DEPARTMENT OF THE AIR FORCE
AIR FORCE CIVIL ENGINEER CENTER

November 5, 2014

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FROM: AFCEC/CIBE – Plattsburgh
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SUBJECT: Final Site Clousre Report for Land use control/institutional control site Area of Interest 72
October 2014
Former Griffiss Air Force Base (AFB) Rome, New York
Contract Number FA8903-10-D-8595 / Delivery Order 0014

Accompanying this letter please find the "Draft Site Clousre Report for Land use control/institutional control site Area of Interest 72" in relation to work conducted at the Former Griffiss AFB in Rome, New York under the referenced Performance Based Remediation (PBR) contract. The Draft Report was submitted on September 11, 2014.

We would appreciate review comments by December 8, 2014 so that project schedules and performance milestones can be maintained in accordance with this PBR Contract.

Should you have any questions or concerns please contact me at 518-563-2871.

David S. Farnsworth
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FINAL

SITE CLOSURE REPORT
LAND USE CONTROL/INSTITUTIONAL CONTROL SITE
AREA OF INTEREST 72

FORMER GRIFFISS AIR FORCE BASE SITE
ROME, NEW YORK

Prepared for:

Air Force Civil Engineer Center
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Contract Number FA8903-10-D-8595/
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LIST OF ACRONYMS

AFB	Air Force Base
AFCEC	Air Force Civil Engineer Center
AOI	Area of Interest
bgs	Below ground surface
CQCR	Chemical Quality Control Report
cy	cubic yards
E&E	Ecology and Environment
FPM	FPM Remediations, Inc.
ft	Feet
LUC/IC	Land-Use Control/Institutional Control
µg/L	Micrograms per Liter
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
OHSWA	Oneida Herkimer Solid Waste Authority
PA/SI	Preliminary Assessment/Site Inspection
PCB	Polychlorinated biphenyl
PID	Photoionization detector
ppm	parts per million
ROD	Records of Decision
SCO	Site Cleanup Objective
SVOC	Semi-volatile organic compound
TCE	Trichloroethylene
TCLP	Toxicity Characteristic Leaching Procedure
UFP QAPP	Uniform Federal Policy Quality Assurance Project Plan
USEPA	United States Environmental Protection Agency
VOC	Volatile organic compound
XRF	X-Ray Fluorescence

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1.0 INTRODUCTION

FPM Remediations, Inc. (FPM), in association with CAPE, Inc., under contract with the Air Force Civil Engineer Center (AFCEC), conducted a site closure investigation in 2013 and a removal action in 2014 at the Land Use Control/Institutional Control (LUC/IC) Site Area of Interest (AOI) 72 at the former Griffiss Air Force Base (AFB) in Rome, New York. The objective of the site closure activities is to achieve unrestricted reuse at the site. Detailed descriptions of the 2013 site investigation are provided in the Final Site Investigation Report for LUC/IC Site AOI 72 (CAPE/FPM, December 2013). This Site Closure Report has been prepared to document the 2014 Removal Action and to recommend unrestricted reuse at the site.

The removal action was conducted on April 16, 2014 in accordance with the Final Site Investigation Report for LUC/IC Site AOI 72, including Attachment 1 – Removal Action Plan for AOI 72 (CAPE/FPM, December 2013). The Updated 2013 Uniform Federal Policy Quality Assurance Project Plan (UFP QAPP) for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM, May 2013) and Final Addenda Health and Safety Plan for Performance Based-Remediation at the Former Griffiss AFB (CAPE/FPM/AECOM, July 2012) were also used.

1.1 Site Background

A 1989 United States Environmental Protection Agency (USEPA) Site Analysis identified the area as a potential drum storage site in 1966. Based on the USEPA Site Analysis the site was identified as an AOI in a 1994 AOI Report (Law, June 1994). Review of historical aerial photographs verified the site was used as a storage area. An aerial photograph from May 1960 shows an open area stripped of vegetation with erosional channels. Aerial photographs from 1967 through 1973 show a storage area with rows of unknown material in the southern and central portion of the site. By 1974, the material had been removed. In photographs from 1975 through 1978, two small areas of storage materials and possible drums were observed. In 1982, the storage of material appeared sporadic (Ecology and Environment [E&E], September 1999).

A Preliminary Assessment/Site Inspection (PA/SI) was conducted for AOI 72 in 1999. During this investigation 30 soil samples were collected from 15 locations. Two samples, a surface (0 to 2 inches below ground surface (bgs)) and a near-surface (2 to 4 feet (ft) bgs) soil sample were collected at each location. Samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), pesticides, and metals. Based on the sampling results and human health risk assessment conducted at the site, no further sampling was recommended (E&E, September 1999). This report is provided in Appendix A. Comparison with the Title 6 - New York Codes, Rules and Regulations (6-NYCRR) Part 375 Residential Use Soil Cleanup Objectives (SCOs) (NYSDEC, December 2006) showed pesticide and metals exceedances.

A Record of Decision (ROD) was not required because the site was part of the AOI group and was closed during the PA/SI investigation period. LUC/ICs for the site, provided in the Parcel F9 deed, include:

"The grantee covenants and agrees to the requirement for additional evaluation of the portion of the property within AOI 72 should the property use change from institutional/educational to residential."

The restricted area is illustrated in Figure 1. The Parcel F9 deed is provided in Appendix A.

2.0 2013 SITE CLOSURE INVESTIGATION

The 2013 site closure investigation included a soil and groundwater investigation to delineate/confirm the presence of residual soil contamination at the site. The soil investigation included soil sampling at seven locations within the AOI 72 boundary and x-ray fluorescence (XRF) screening at six of the seven locations (as illustrated in Figure 1). The groundwater investigation consisted of two samples collected from a perched water table located within AOI 72 (as illustrated in Figure 2). The activities and screening/sampling results are summarized below. Details of these activities are provided in the Final Site Investigation Report for LUC/IC Site AOI 72 (CAPE/FPM, December 2013).

Confirmatory soil sampling was conducted at 28 soil borings (direct push) within the AOI 72 site boundary (Figure 1) on May 8 and 9, 2013. Samples were collected from 0 to 2 ft bgs and 2 to 4 ft bgs from each of the borings. Based on the results from the 1999 PA/SI, samples collected at four boring locations were analyzed for pesticides using USEPA Method SW8081 and the remaining 24 borings were analyzed for metals using USEPA Method SW6010. The results are presented in Table 1 and showed that all pesticide and metals concentrations were below the 6-NYCRR Part 375 Residential use SCOs.

To confirm the location of the elevated metals concentrations, XRF screening was used to determine the extent of the contamination at each of the previously identified sampling locations. Samples were screened from the 0 to 2 ft bgs and 2 to 4 ft bgs intervals at 28 soil borings (four soil borings each for locations 72SCS-2, -3, -4, -5, -6, and -7). XRF screening showed metal concentrations below the 6-NYCRR Part 375 Residential Use SCOs at all borings except for boring 72SCS-2B (see Figure 1). The copper concentrations in the 0 to 2 ft bgs interval at 72SCS-2B ranged from 271 to 400 ppm. The 6-NYCRR Part 375 Residential Use SCO for copper is 270 ppm. Based on the primary screening performed at 72SCS-2B, three additional step-out borings were advanced and screened to better assess the lateral extent of the metal exceedances. Results of the additional step-out screening showed metals concentrations were below 6-NYCRR Part 375 Residential use SCOs. The XRF screening at the primary locations to the west and south of 72SCS-2B also showed copper concentrations were below 6-NYCRR Part 375 Residential use SCOs.

A petroleum odor was observed during field screening at soil boring 72SCS-6D (72SCS-6 location) from the 0 to 2 ft bgs interval (Figure 1). A photoionization detector (PID) reading was collected with a result of 14.1 parts per million (ppm). Petroleum odor was not observed at locations 72SCS-6A, -6B, or -6C. As a result of the reported petroleum odor, additional delineation of the 72SCS-6D location was conducted on May 16, 2013. The delineation included PID reading collection, soil sampling, perched water sampling, and groundwater sampling. The delineation was conducted at nine borings positioned in a 10-ft grid using direct push (4-foot

macro core). The boring locations are illustrated in Figure 2. All borings were advanced until refusal (8 to 10 ft bgs). Groundwater was encountered at 8 ft bgs and a perched water layer was observed at several borings at approximately 4 ft bgs. Soil samples were collected at the intervals which exhibited the highest PID readings. The PID readings ranged from 0 ppm to 90 ppm. Soil samples were collected between 4 to 8 ft bgs if no elevated PID readings were observed in a boring. A water sample was also collected from the perched water layer at 72SCS-9 and a groundwater sample was collected at 72SCS-14. The decision to collect the water samples at these locations was made in the field as they showed the overall highest PID readings for all borings (above 50 ppm). The highest PID reading at 72SCS-9 was 60 ppm and the highest PID reading at 72SCS-14 was 90 ppm. Perched water was not observed at 72SCS-14. All soil and groundwater samples were analyzed for VOCs using USEPA method SW8260.

Soil sampling results showed that all VOC concentrations were below the 6-NYCRR Part 375 Residential Use SCOs (Table 1). Results from 72SCS-9, the perched water table sample, showed two VOCs above their respective NYSDEC Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998). Trichloroethylene (TCE) was detected at 11 micrograms per liter (µg/L) and 1,2,4-trimethylbenzene was detected at 11 µg/L. NYSDEC Ambient Water Quality Standards for these VOCs is 5 µg/L. Results from 72SCS-14 (the groundwater sample) showed that TCE and 1,2,4-trimethylbenzene were detected in this sample, but all VOCs were below NYSDEC Ambient Water Quality Standards and Guidance Values (NYSDEC, June 1998). Sampling results are presented in Table 2.

3.0 2014 REMOVAL ACTION

Based on the 2013 Site Closure Investigation, a removal action was conducted on April 16, 2014 to eliminate VOC impacts from the perched water table.

3.1 TOXICITY CHARACTERISTIC LEACHING PROCEDURE SAMPLING

Prior to soil disposal, one composite sample was collected and analyzed for toxicity characteristic leaching procedure (TCLP) VOCs, TCLP metals, and TCLP SVOCs in December 2013. Results showed that all VOCs, metals, and SVOC concentrations were below the hazardous waste characteristic levels (USEPA, October 2009). A waste profile for disposal was submitted to Oneida Herkimer Solid Waste Authority (OHSWA), which was approved. The sampling results are provided in Table 3. The daily chemical quality control report (CQCR) completed for this sampling event is provided in Appendix B. The raw laboratory data is provided in Appendix C. The approved waste profile form is provided in Appendix D.

3.2 SOIL REMOVAL ACTION

The approximate extent of the excavation was 40 ft by 20 ft by 6 ft bgs as shown in Figure 2. The excavation was conducted using a tracked excavator. During excavation, soils from 0 to 2 ft bgs were stockpiled for backfill. These soils were used as the 2013 Site Investigation and VOC delineation confirmed the absence of contamination in this interval. All soils from 2 to 6 ft bgs were removed and placed into 20-yard dump trucks for disposal. Approximately 180 cubic yards (cy) of contaminated soils were disposed of.

The excavation area is flat, topographically. Therefore, erosion controls were not implemented. In addition, no dewatering was conducted during the excavation. The only observed water (approximately 5 gallons) within the excavation was from surface runoff (snow melt). No water was observed entering the excavation through the excavation walls. The daily field form completed for the excavation is provided in Appendix B. All photos of the excavation are provided in Appendix E.

3.3 SOIL DISPOSAL

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

3.4 SOIL CONFIRMATORY SAMPLING

Two grab confirmatory soil samples were collected from the bottom of the excavation. No sidewall confirmatory soil samples were collected as the excavation was completed to the uncontaminated points identified in the May 2013 delineation. The grab confirmatory soil samples from the bottom of the excavation were analyzed for VOCs using USEPA method SW8260. Results showed no VOC concentrations above 6-NYCRR Part 375 Residential Use or Protection of Groundwater SCOs. The confirmatory soil sampling results are presented in Table 4. The daily CQCR completed during this sampling event is provided in Appendix B. The raw laboratory data and the validated laboratory data are provided in Appendix C and F, respectively.

3.5 SITE RESTORATION

The site was initially restored following excavation on April 16, 2014. The initial restoration included the backfilling using clean sand (approximately 180 cy) to approximately 2 ft bgs. The stockpiled soils were then placed on the top of the sand to approximately 2-inch bgs. Final restoration activities were conducted during the week of May 27, 2014. This included the application of top soil (30 cy) to grade and reseeding with grass. The daily field forms completed for both restoration events are provided in Appendix B. All photos of the restoration and restored site are provided in Appendix E.

Prior to use, the backfill sand and top soil were sampled and analyzed for metals, SVOCs, VOCs, pesticides, and polychlorinated biphenyl (PCBs) to demonstrate that the backfill met applicable standards. The sampling results showed that the backfill material was below all SCOs as presented in Table 5. The raw laboratory data is provided in Appendix C. It should be noted that the same backfill material supply was used for two Griffiss removal actions, AOI 72 and the AOI 474 removal action. Therefore, only one sample was collected and identified as AOI474BF.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Removal of LUC/ICs and site closure is recommended for AOI 72. The 2014 removal action was successful in removing all residual VOC contamination from the perched water table. Soil sampling results from the 1999 PA/SI, 2013 site investigation, and 2014 removal action showed all soil chemical concentrations were below the 6-NYCRR Part 375 Residential Use SCOs.

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5.0 REFERENCES

Air Force, Deed for Parcel F-9, former Griffiss Air Force Base, 2000.

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

CAPE/FPM, Final 2012 Land Use Control/Institutional Control Site Inspection Report at the former Griffiss AFB, New York, March 2013.

CAPE/FPM, Final Site Closure Plan for Land Use Control/Institutional Control Sites at the former Griffiss AFB, New York, March 2013.

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

CAPE/FPM, Final Site Investigation Report for LUC/IC Site AOI 72 (including Attachment 1 – Removal Action Plan for AOI 72) at the former Griffiss AFB, New York, December 2013.

CAPE/FPM, 2014 Updated Final Uniform Federal Policy Quality Assurance Project Plan for Performance Based-Remediation at the former Griffiss AFB, New York, May 2014.

Ecology and Environment, Inc., Draft Report for Parcel F9 Sampling Investigation at the former Griffiss AFB, Rome, New York, September 1999.

Law, Final Identification of Areas of Interest Report at the former Griffiss AFB, Rome, New York, June 1994.

NYSDEC, 6-NYCRR Part 375 Environmental Remediation Programs, December 2006.

NYSDEC, Division of Water Technical and Operational Guidance Series "Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations", June 1998.

USEPA, Hazardous Waste Characteristics, October 2009.

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Tables

Table 1
AOI 72
2013 Soil Sampling Results

Sample Location	NYSDEC	72SCS-1A		72SCS-1B		72SCS-1C		72SCS-1D		72SCS-2A		72SCS-2B		72SCS-2C		72SCS-2D		72SCS-3A		72SCS-3B		72SCS-3C		72SCS-3D	
Sample ID	Residential Use Soil Cleanup Objective	72SCS01A02AA	72SCS01A04AA	72SCS01B02AA	72SCS01B04AA	72SCS01C02AA	72SCS01C04AA	72SCS01D02AA	72SCS01D04AA	72SCS02A02AA	72SCS02A04AA	72SCS02B02AA	72SCS02B04AA	72SCS02C02AA	72SCS02C04AA	72SCS02D02AA	72SCS02D04AA	72SCS03A02AA	72SCS03A04AA	72SCS03B02AA	72SCS03B04AA	72SCS03C02AA	72SCS03C04AA	72SCS03D02AA	72SCS03D04AA
Date of Collection		5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013
Sample Depth (ft bgs)	(µg/Kg)	0 - 2	2 - 4	0 - 2	2 - 4	0 -2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4
VOCs (µg/Kg)																									
1,2,4-trimethylbenzene	47,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-trimethylbenzene	47,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
acetone	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
benzene	2,900	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
ethylbenzene	30,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
isopropylbenzene	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
naphthalene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
n-butylbenzene	12,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
n-propylbenzene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
m,p-xylene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
o-xylene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p-isopropyltoluene	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
sec-butylbenzene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
toluene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trichloroethylene (TCE)	10,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
trichlorofluoromethane	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
vinyl chloride	210	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pesticides (µg/Kg)																									
p,p'-DDD	2,600	U	U	34	U	UJ	UJ	U	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p,p'-DDE	1,800	5.9 J	U	6.3	1 J	5.6	1.7 J ♦	9.4 J	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p,p'-DDT	1,700	11 J	U	24	U	UJ	UJ	13 J	U	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Sample Location	NYSDEC	72SCS-1A		72SCS-1B		72SCS-1C		72SCS-1D		72SCS-2A		72SCS-2B		72SCS-2C		72SCS-2D		72SCS-3A		72SCS-3B		72SCS-3C		72SCS-3D	
Sample ID	Residential Use Soil Cleanup Objective	72SCS01A02AA	72SCS01A04AA	72SCS01B02AA	72SCS01B04AA	72SCS01C02AA	72SCS01C04AA	72SCS01D02AA	72SCS01D04AA	72SCS02A02AA	72SCS02A04AA	72SCS02B02AA	72SCS02B04AA	72SCS02C02AA	72SCS02C04AA	72SCS02D02AA	72SCS02D04AA	72SCS03A02AA	72SCS03A04AA	72SCS03B02AA	72SCS03B04AA	72SCS03C02AA	72SCS03C04AA	72SCS03D02AA	72SCS03D04AA
Date of Collection		5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013
Sample Depth (ft bgs)	(mg/Kg)	0 - 2	2 - 4	0 - 2	2 - 4	0 -2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4
Metals (mg/kg)																									
aluminum	--	NS	NS	NS	NS	NS	NS	NS	NS	3,600	5,400	4,800	6,600	7,000	6400 J	6,300	6,100	5,100	6,600	3,700	7,200	3,700	6,100	3,600	7,900
antimony	--	NS	NS	NS	NS	NS	NS	NS	NS	19	0.62 J	5.7	U	8.1	U	37	U	0.52 J	U	0.82 J	U	1.6 J	U	1 J	U
arsenic	16	NS	NS	NS	NS	NS	NS	NS	NS	2.7	3.6	2.6	3.9	3.4	3.9	4.5	2.7	2.50	5.70	1.5 J	3.10	1.5 J	2.1 J	1.8 J	3.00
barium	350	NS	NS	NS	NS	NS	NS	NS	NS	21	18	23	23	36	21	31	24	30	29	23	28	14	20	21	26
berylium	14	NS	NS	NS	NS	NS	NS	NS	NS	0.12 J	0.24 J	0.2 J	0.29 J	0.29 J	0.28 J	0.28 J	0.29 J	0.21 J	0.29 J	0.17 J	0.26 J	0.14 J	0.25 J	0.17 J	0.31 J
boron - total	--	NS	NS	NS	NS	NS	NS	NS	NS	7 J	2.5 J	5.5 J	2.3 J	4.3 J	2.3 J	4.6 J	2.1 J	5.1 J	2.7 J	5.6 J	1.9 J	7.1 J	2.4 J	5.7 J	2.8 J
cadmium	2.5	NS	NS	NS	NS	NS	NS	NS	NS	0.22 J	0.11 J	0.12 J	0.1 J	0.19 J	0.076 J	0.12 J	0.08 J	0.083 J	0.34 J	0.062 J	0.16 J	0.06 J	0.075 J	0.099 J	0.22 J ♦
calcium	--	NS	NS	NS	NS	NS	NS	NS	NS	240,000	17,000	170,000	14,000	110,000	13000 J	120,000	8,600	130,000	10,000 J ♦	190,000	6,200	240,000	3,500	170,000	30000 J
chromium	22	NS	NS	NS	NS	NS	NS	NS	NS	6.6	6.3	7.4	7.5	8.0	7.6	8.6	6.7	7.7	7.1	6.1	7.6	6.5	6.7	6.1	12
cobalt	--	NS	NS	NS	NS	NS	NS	NS	NS	2.2	4.2	3.4	5.2	4.1	5.1	4.3	4.6	3.6	4.9	2.7	4.7	2.6	4.1	2.5	5.3
copper	270	NS	NS	NS	NS	NS	NS	NS	NS	38	15	72	20	60	21	96	17	26	28	24	20	52	19	18	21 ♦
iron	--	NS	NS	NS	NS	NS	NS	NS	NS	7,200	14,000	9,000	16,000	12,000	15,000 J	13,000	12,000	11,000	15,000	7,600	14,000	6,800	12,000	7,700	16,000
lead	400	NS	NS	NS	NS	NS	NS	NS	NS	8.1	2.7	8	3.5	9.8	4.6	9.5	3.3	7.8	10 J	5.7	6.0	7.9	3.3	6.4	5.7 ♦
magnesium	--	NS	NS	NS	NS	NS	NS	NS	NS	5900	3400	5600	3400	4,700	3,200	5,100	2,700	5,000	2,800	5,200	2,700	10,000	2,600	5,600	3,400
manganese	2,000	NS	NS	NS	NS	NS	NS	NS	NS	270	1300	240	1200	240	500	390	320	280	340	200	500	220	300	190	600 ♦
molybdenum	--	NS	NS	NS	NS	NS	NS	NS	NS	0.63 J	U	0.59 J	U	0.41 J	U	0.62 J	U	0.59 J	0.36 J	0.49 J	U	0.34 J	U	0.54 J	1.4 J
nickel	140	NS	NS	NS	NS	NS	NS	NS	NS	6.8	9.3	10	12	11	12	10	10	13	9.8	11	10	10	10	9.9	12
potassium	--	NS	NS	NS	NS	NS	NS	NS	NS	820	890	960	900	940	920 J	1,000	850	950	960	820	820	940	780	880	900
selenium	36	NS	NS	NS	NS	NS	NS	NS	NS	0.83 J	U	U	U	1 J	U	U	U	U	U	U	U	U	U	U	U
silver	36	NS	NS	NS	NS	NS	NS	NS	NS	U	0.2 J	U	0.16 J	U	U	U	U	U	U	U	U	U	U	U	U
sodium	--	NS	NS	NS	NS	NS	NS	NS	NS	420 J	120 J	260 J	140 J	420 J	260 J	450 J	110 J	380 J	540 J	360 J	180 J	410 J	190 J	390 J	280 J
strontium	--	NS	NS	NS	NS	NS	NS	NS	NS	260	24	230	25	120	32	130	16	240	19 J	310	13	250	9.8	280	36 J
vanadium	--	NS	NS	NS	NS	NS	NS	NS	NS	7.6	9.4	27	11	13	11	12	10	48	13	54	12	35	10	44	15
zinc	2,200	NS	NS	NS	NS	NS	NS	NS	NS	150	27	38	33	55	32	45	29	85	47	29	41	28.0	28	42.0	50 ♦
mercury	0.81	NS	NS	NS	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Table 1
AOI 72
2013 Soil Sampling Results

Sample Location	NYSDEC Residential Use Soil Cleanup Objective (µg/Kg)	72SCS-4A		72SCS-4B		72SCS-4C		72SCS-4D		72SCS-5A		72SCS-5B		72SCS-5C		72SCS-5D		72SCS-6A		72SCS-6B		72SCS-6C		72SCS-6D	
Sample ID		72SCS04A02AA	72SCS04A04AA	72SCS04B02AA	72SCS04B04AA	72SCS04C02AA	72SCS04C04AA	72SCS04D02AA	72SCS04D04AA	72SCS05A02AA	72SCS05A04AA	72SCS05B02AA	72SCS05B04AA	727SCS05C02AA	72SCS05C04AA	72SCS05D02AA	72SCS05D04AA	72SCS06A02AA	72SCS06A04AA	72SCS06B02AA	72SCS06B04AA	72SCS06C02AA	72SCS06C04AA	72SCS06D02AA	72SCS06D04AA
Date of Collection		5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013
Sample Depth (ft bgs)		0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 -2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4
VOCs (µg/Kg)																									
1,2,4-trimethylbenzene	47,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	3300
1,3,5-trimethylbenzene	47,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1300
acetone	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
benzene	2,900	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
ethylbenzene	30,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	150 J
isopropylbenzene	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	220 J
naphthalene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1900
n-butylbenzene	12,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	760
n-propylbenzene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	410
m,p-xylene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	430
o-xylene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	220
p-isopropyltoluene	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
sec-butylbenzene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
toluene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
trichloroethylene (TCE)	10,000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
trichlorofluoromethane	--	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
vinyl chloride	210	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	U
Pesticides (µg/Kg)																									
p,p'-DDD	2,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p,p'-DDE	1,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p,p'-DDT	1,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Sample Location	NYSDEC Residential Use Soil Cleanup Objective (mg/kg)	72SCS-4A		72SCS-4B		72SCS-4C		72SCS-4D		72SCS-5A		72SCS-5B		72SCS-5C		72SCS-5D		72SCS-6A		72SCS-6B		72SCS-6C		72SCS-6D	
Sample ID		72SCS04A02AA	72SCS04A04AA	72SCS04B02AA	72SCS04B04AA	72SCS04C02AA	72SCS04C04AA	72SCS04D02AA	72SCS04D04AA	72SCS05A02AA	72SCS05A04AA	72SCS05B02AA	72SCS05B04AA	727SCS05C02AA	72SCS05C04AA	72SCS05D02AA	72SCS05D04AA	72SCS06A02AA	72SCS06A04AA	72SCS06B02AA	72SCS06B04AA	72SCS06C02AA	72SCS06C04AA	72SCS06D02AA	72SCS06D04AA
Date of Collection		5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/8/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013
Sample Depth (ft bgs)		0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 -2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4
Metals (mg/kg)																									
aluminum	--	5,300	5,900 J	5,500	6,500	3,100	6,700	5,300 ♦	5,800	5,500	6,500	6,700	8,100	5,700	6,100	7,400	5,400	5,900	6,700	5,000	10,000	5,200	9,100	3,200	7,800
antimony	--	U	U	0.52 J	U	0.62 J	U	0.84 J ♦	0.67 J	2	U	0.62 J	U	2	U	0.43 J	U	1.9 J	U	1.6 J	U	2	U	1.7 J	U
arsenic	16	2.40	3.0	2.90	3.10	1.4 J	4.60	3.1 ♦	3.2	3.80	2.60	3.50	3.40	2.80	7.1	3.3	2.6	2.70	4.70	2.80	4.50	2.50	3.50	1.9 J	3.60
barium	350	31	21.0	21	19	28	22	28 J	19.0	29	22	23	38	22	16	25	17	29	25	28	57	33.0	55.0	12.0	50.0
berylium	14	0.21 J	0.25 J	0.21 J	0.25 J	0.14 J	0.32 J	0.22 J ♦	0.23 J	0.2 J	0.28 J	0.25 J	0.38 J	0.21 J	0.26 J	0.28 J	0.27 J	0.26 J	0.3 J	0.22 J	0.38 J	0.24 J	0.26 J	0.14 J	0.31 J
boron - total	--	3.7 J	1.9 J	3.2 J	2.1 J	3.6 J	1.7 J	4.5 J	3.1 J	3.7 J	2.5 J	2.4 J	3 J	3.2 J	2.3 J	2.6 J	2 J	4 J	2.1 J	3.6 J	1.5 J	4.3 J	1.5 J	1.8 J	2.7 J
cadmium	2.5	0.098 J	0.087 J	0.082 J	0.08 J	0.054 J	0.1 J	0.12 J ♦	0.12 J	0.13 J	0.1 J	0.15 J	0.13 J	0.22 J	0.079 J	0.2 J	0.077 J	0.19 J	0.099 J	0.13 J	0.25 J	0.19 J	0.44 J	U	0.61
calcium	--	88,000	2,200	100,000	7,200	110,000	1,400	150000 J	60,000	89,000	20,000	42,000	15,000	70,000	21,000	17,000	11,000	160,000	13,000	120,000	5,300	15,000	2,300	28,000	10,000
chromium	22	7	6.4	6.7	7.2	5.3	7.6	7.7 ♦	7.8	6.9	7.9	7	11	7	7.4	8	7	7.4	7.7	7.4	11.0	9.2	10	4	8.9
cobalt	--	3.5	3.9	3.4	4.6	2.3	4.7	3.6 ♦	4.1	3.3	4.8	3.9	5.4	3.3	4.6	4.2	4.6	4.1	5.4	3.6	5.3	3.6	4.5	2.7	5.1
copper	270	17	15	26	17	23	18	34 J ♦	29.0	69	24.0	38.0	28.0	130	27	33	18	25	19	73	16	48	15	18	33
iron	--	9,800	12,000 J	11,000	13,000	6,400	18,000	11,000 ♦	12,000	10,000	14,000	11,000	17,000	10,000	12,000	12,000	13,000 J	12,000	13,000	10,000	15,000	10,000	14,000	6,200	13,000
lead	400	15	2.6	48	3.1	11.0	3.1	130 J ♦	94.0	61	6.9	33	4.7	45	4.8	28	3	10	3.3	21	6.2	21	5.9	7.7	12.0
magnesium	--	4,300	2,300	3,900	2,800	3,700	2,200	5,100	4,000	3,600	3,900	2,700	3,500	3,500	3,500	2,400	3100 J	4,700	3,600	4,700	1,900	4,900	2,000	2,200	2,600
manganese	2,000	350	450 J	320	420	230	580	330	350.0	290	550	390	560	330	450	370	910	530	510	390	500	550	460	210	620
molybdenum	--	U	U	U	U	0.26 J	U	0.44 J ♦	0.35 J	0.7 J	U	U	U	0.28 J	0.28 J	U	U	0.32 J	U	0.41 J	0.56 J	0.87 J	0.71 J	U	U
nickel	140	8.7	9.4	8.1	11	7.9	9.7	9.7	10.0	7.9	11	8.5	13	8.0	11.0	9.3	11.0	12	12	11	9.2	11	8.5	5.9	10
potassium	--	860	700	750	740	690	670	900 ♦	820	740	880	660	1,100	650	860	740	900 J	960	930	910	600	940	560	520	810
selenium	36	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
silver	36	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
sodium	--	130 J	U	100 J	U	200 J	84 J	130 J	71 J	98 J	110 J	74 J	78 J	93 J	110 J	86 J	240 J	320 J	77 J	140 J	97 J	230 J	97 J	88 J	93 J
strontium	--	140	7.5	100	12	160	9	190 J	66	98	29	50	24	84	32	23	20	250	20	160	11	180	5.4	37	21
vanadium	--	14	9.8	10	11	22	12	19 J	11	10	11	12	14	11	10	12	9.5	31	11	28	18	30	19	7.4	16
zinc	2,200	31	27	33	32	23	33	45 ♦	43.0	39	34	40	50	46	30	37	26	57	32	47	62	71	64	23	120
mercury	0.81	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

Table 1
AOI 72
2013 Soil Sampling Results

Sample Location	NYSDEC Residential Use Soil Cleanup Objective (µg/Kg)	72SCS-7A		72SCS-7B		72SCS-7C		72SCS-7D		72SCS-9	72SCS-10	72SCS-11	72SCS-12	72SCS-13	72SCS-14	72SCS-15	72SCS-16	72SCS-17
Sample ID		72SCS04A02AA	72SCS07A04AA	72SCS07B02AA	72SCS07B04AA	72SCS07C02AA	72SCS07C04AA	72SCS07D02AA	72SCS07D04AA	72SCS0908AA	72SCS1007AA	72SCS1107AA	72SCS1210AA	72SCS1308AA	72SCS1404AA	72SCS1504AA	72SCS1604AA	72SCS1708AA
Date of Collection		5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013	5/14/2013
Sample Depth (ft bgs)		0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	4 - 8		3 - 7	6 - 10	4 - 8	0 - 4	0 - 4	0 - 4	4 - 8
VOCs (µg/Kg)																		
1,2,4-trimethylbenzene	47,000	NS	NS	NS	NS	NS	NS	NS	NS	24	U	U	U	U	U	U	U	U
1,3,5-trimethylbenzene	47,000	NS	NS	NS	NS	NS	NS	NS	NS	9.7	U	U	U	U	U	U	U	U
acetone	100,000	NS	NS	NS	NS	NS	NS	NS	NS	10 J	U	22 J	9.3 J	16 J	41	56	17 J	21 J
benzene	2,900	NS	NS	NS	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U
ethylbenzene	30,000	NS	NS	NS	NS	NS	NS	NS	NS	0.94 J	U	U	U	U	U	U	U	U
isopropylbenzene	--	NS	NS	NS	NS	NS	NS	NS	NS	1.6 J	U	U	U	U	U	U	U	U
naphthalene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	8.8	U	U	U	1.1 J	U	U	4.9 J	0.86 J
n-butylbenzene	12,000	NS	NS	NS	NS	NS	NS	NS	NS	5.4 J	U	U	U	U	U	U	U	U
n-propylbenzene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	3.1 J	U	U	U	U	U	U	U	U
m,p-xylene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	3.4 J	U	U	U	U	U	U	U	U
o-xylene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	1.9 J	U	U	U	U	U	U	U	U
p-isopropyltoluene	--	NS	NS	NS	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U
sec-butylbenzene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	2.8 J	U	U	U	U	U	U	U	U
toluene	100,000	NS	NS	NS	NS	NS	NS	NS	NS	U	U	U	U	1.2 J	1.8 J	1.6 J	1.7 J	U
trichloroethylene (TCE)	10,000	NS	NS	NS	NS	NS	NS	NS	NS	U	U	U	U	U	0.3 J	U	0.29 J	U
trichlorofluoromethane	--	NS	NS	NS	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U
vinyl chloride	210	NS	NS	NS	NS	NS	NS	NS	NS	U	U	U	U	U	U	U	U	U
Pesticides (µg/Kg)																		
p,p'-DDD	2,600	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p,p'-DDE	1,800	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
p,p'-DDT	1,700	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Sample Location	NYSDEC Residential Use Soil Cleanup Objective (mg/Kg)	72SCS-7A		72SCS-7B		72SCS-7C		72SCS-7D	
Sample ID		72SCS04A02AA	72SCS07A04AA	72SCS07B02AA	72SCS07B04AA	72SCS07C02AA	72SCS07C04AA	72SCS07D02AA	72SCS07D04AA
Date of Collection		5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013	5/9/2013
Sample Depth (ft bgs)		0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4	0 - 2	2 - 4
Metals (mg/kg)									
aluminum	--	U	6,700	5,900	11,000	7,000	10,000	6,000	10,000
antimony	--	U	U	U	U	U	U	U	U
arsenic	16	U	3.60	3.00	3.20	3.70	3.90	3.40	6.30
barium	350	U	30	19	59	22	58	21	85
berylium	14	U	0.31 J	0.24 J	0.38 J	0.28 J	0.4 J	0.25 J	0.5 J
boron - total	--	U	2.6 J	2.1 J	1.7 J	1.8 J	1.8 J	1.7 J	2.9 J
cadmium	2.5	U	0.089 J	0.059 J	0.33 J	0.076 J	0.2 J	0.076 J	1.1
calcium	--	U	44,000	16,000	1,600	3,500	4,400	6,700 J ♦	4,400
chromium	22	U	10	7.1	11	8.2	12	7.3	11
cobalt	--	U	5.1	4.8	6.2	5.3	6.2	4.8	4.9
copper	270	24	52	19	14	24	21	22	94
iron	--	5.7 J	16,000	12,000	15,000	14,000	16,000	13,000	17,000
lead	400	U	18	3.1	6.4	3.8	5.9	4.1	36
magnesium	--	U	3,700	3,500	2,300	3,200	2,800	2,800	2,200
manganese	2,000	U	700	560	590	650	560	480	560
molybdenum	--	U	0.64 J	U	U	U	0.54 J	U	0.5 J
nickel	140	U	13	11	12	13	14	11	13
potassium	--	U	860	780	630	840	800	760	890
selenium	36	U	U	U	U	U	U	U	U
silver	36	U	U	U	U	U	U	U	U
sodium	--	U	100 J	75 J	89 J	67 J	80 J	61 J ♦	120 J
strontium	--	U	58	31	5.8	11	9.4	13 ♦	15
vanadium	--	U	12.0	10.0	18.0	11	17	10	24
zinc	2,200	34	44	31	69	33	54.0	34	140
mercury	0.81	U	U	U	U	U	U	U	U

Table 1
Notes and Data Qualifiers

J = The analyte was positively identified above MDL, however the concentration is below the reporting limit (RL).

U = The analyte was analyzed for, but not detected. The associated numerical value is at or below the method detection limit.

NA = Not Available, no NYCRR Part 375 Soil Cleanup Objective.

NS = Not Sampled.

♦ = Duplicate value was used.

= Value exceeded 6-NYCRR Part 375 Residential Use Soil Cleanup Objective.

Table 2
AOI 72 Perched Water and Groundwater Sampling Results

Sample Location	NYS Groundwater Standards	AOI72SCS-9	AOI72SCS-14
Sample ID		72SCS09W04AA	72SCS14W08AA
Date of Collection		5/16/2013	5/16/2013
Sample Depth (ft bgs)		4	8
VOCs (µg/L)			
1,2,4-trimethylbenzene	5*	11	0.48
1,3,5-trimethylbenzene	5*	4.2	0.27
acetone	50	3.7 J	5.7 J
cis-1,2-dichloroethene	5*	0.24 J	U
ethylbenzene	5*	0.55 J	U
isopropylbenzene	5*	0.65 J	U
n-butylbenzene	5*	1.1	U
n-propylbenzene	5*	1.2	0.2 J
m,p,-xylene (sum of isomers)	5*	2.1	U
naphthalene	10	8.2	1.1 J
o-xylene	5*	1	0.19 J
sec-butylbenzene	5*	0.91 J	0.19 J
toluene	5*	0.36 J	0.26 J
trichloroethene (TCE)	5*	11	1.6

Notes:

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

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

- Exceedance of the NYS Groundwater Standards or Guidance Values.

* - The principal organic contaminant standard for groundwater of 5 µg/L applies to this substance.

Table 3
AOI 72 TCLP Soil Sampling Results

Sample Location	**Maximum Concentration of Contaminants for the Toxicity Characteristic**	**Reporting Limit**	**AOI 72**
Sample ID			**AOI72TCLP01AA**
Date of Collection			**12/13/2013**
Sample Depth (ft bgs)			**2-6**
TCLP Analytes (mg/L)			
Mercury	0.2	0.00003	U
Arsenic	5	0.022	0.026 J
Barium	100	0.002	0.51 J
Cadmium	1	0.002	0.0026 J
Chromium	5	0.003	U
Lead	5	0.013	0.019 J
Selenium	1	0.024	U
Silver	5	0.004	U
2-Methylphenol (o-cresol)	200	0.0096	U
3 & 4 Methylphenol	200	0.0025	U
Total Cresols	200	0.0025	U
1,4-Dichlorobenzene	7.5	0.0031	U
2,4-Dinitrotoluene	0.13	0.016	U
Hexachlorobenzene	0.13	0.0065	U
Hexachlorobutadiene	0.5	0.032	U
Hexachloroethane	3	0.021	U
Nitrobenzene	2	0.0079	U
Pentachlorophenol	100	0.2	U
Pyridine	5	0.011	U
2,4,6-Trichlorophenol	400	0.0027	U
2,4,5-Trichlorophenol	2	0.0043	U
Benzene	0.5	0.0016	U
2-Butanone (MEK)	200	0.018	U
Carbon tetrachloride	0.5	0.0019	U
Chlorobenzene	100	0.0017	U
Chloroform	6	0.0016	0.005 J
1,2-Dichloroethane	0.5	0.0013	U
1,1-Dichloroethene	0.7	0.0023	U
Tetrachloroethene	0.7	0.002	U
Trichloroethene	0.5	0.0016	U
Vinyl chloride	0.2	0.001	U

Notes:

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

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

Table 4
AOI 72 2014 Confirmatory Soil Sampling Results

Sample Location	NYSDEC Residential Use Soil Cleanup Objective (µg/Kg)	AOI 72 Excavation	
Sample ID		AOI72BT0106AA	AOI72BT0206AA
Date of Collection		4/16/2014	4/16/2014
Sample Depth (ft bgs)		6	6
VOCs (µg/Kg)			
1,2,4-trimethylbenzene	47,000	U	U
1,3,5-trimethylbenzene	47,000	U	U
acetone	100,000	10 J	U
benzene	2,900	U	U
ethylbenzene	30,000	U	U
isopropylbenzene	--	U	U
naphthalene	100,000	U	U
n-butylbenzene	12,000	U	U
n-propylbenzene	100,000	U	U
m,p-xylene	100,000	U	U
o-xylene	100,000	U	U
p-isopropyltoluene	--	U	U
sec-butylbenzene	100,000	U	U
toluene	100,000	U	U
trichloroethylene (TCE)	10,000	U	U
trichlorofluoromethane	--	U	U
vinyl chloride	210	U	U

Notes:

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

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

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

Table 5

AOI 72 and 474 Backfill Soil Sampling Results

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

Notes:

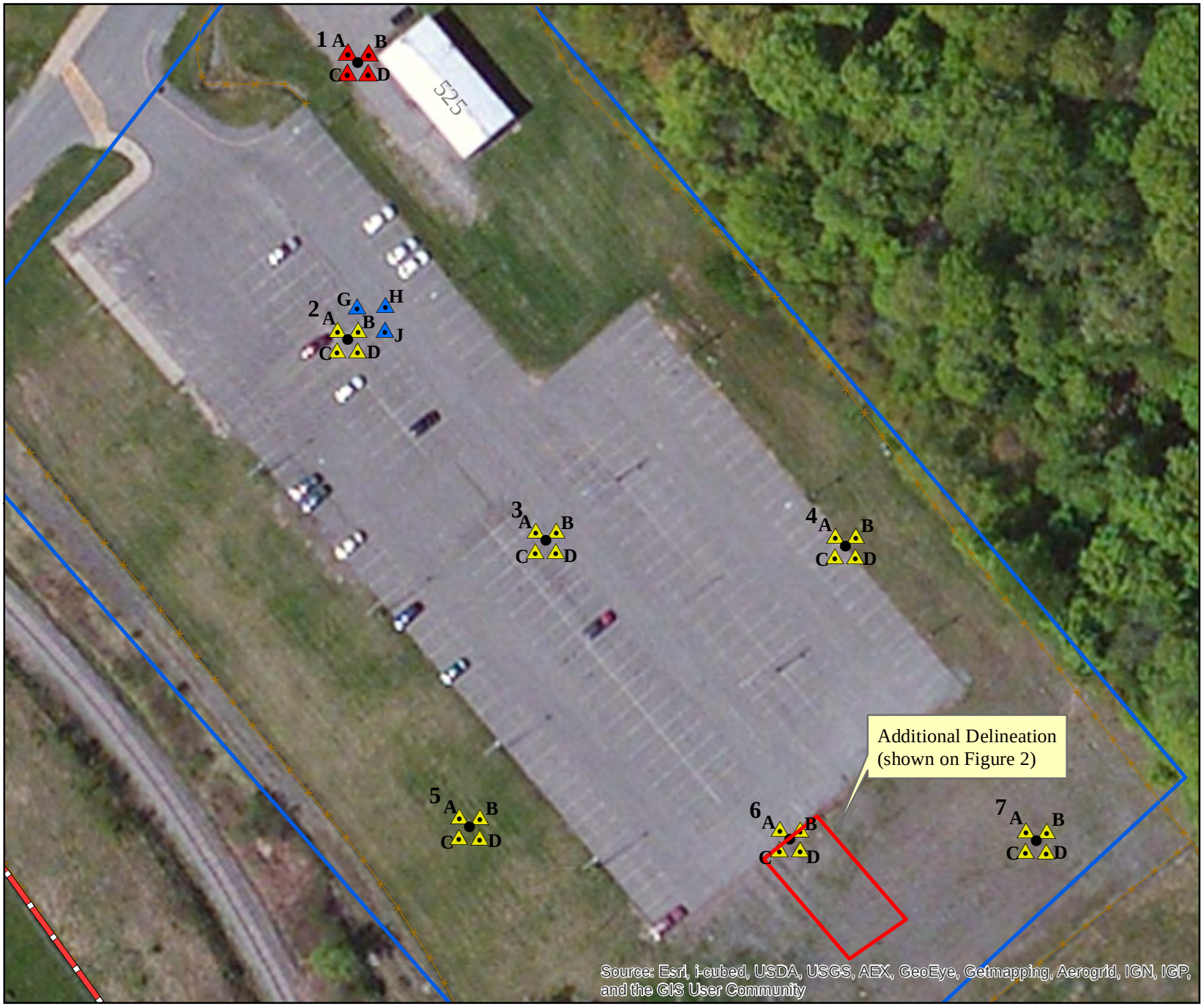
J - The analyte was positively identified, but the quantitation is an estimation.

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

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

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

Figures



N

Site Location

Legend

- Soil Sampling Location (for pesticides)
- XRF Screening/Sampling Location (for metals)
- Secondary Screening Location (for metals)
- Previous Soil Sample Location
- Fence
- Parcel F9 Boundary
- Existing Facility
- AOI 72 Site Restriction
- VOC Delineation

60 30 0 60

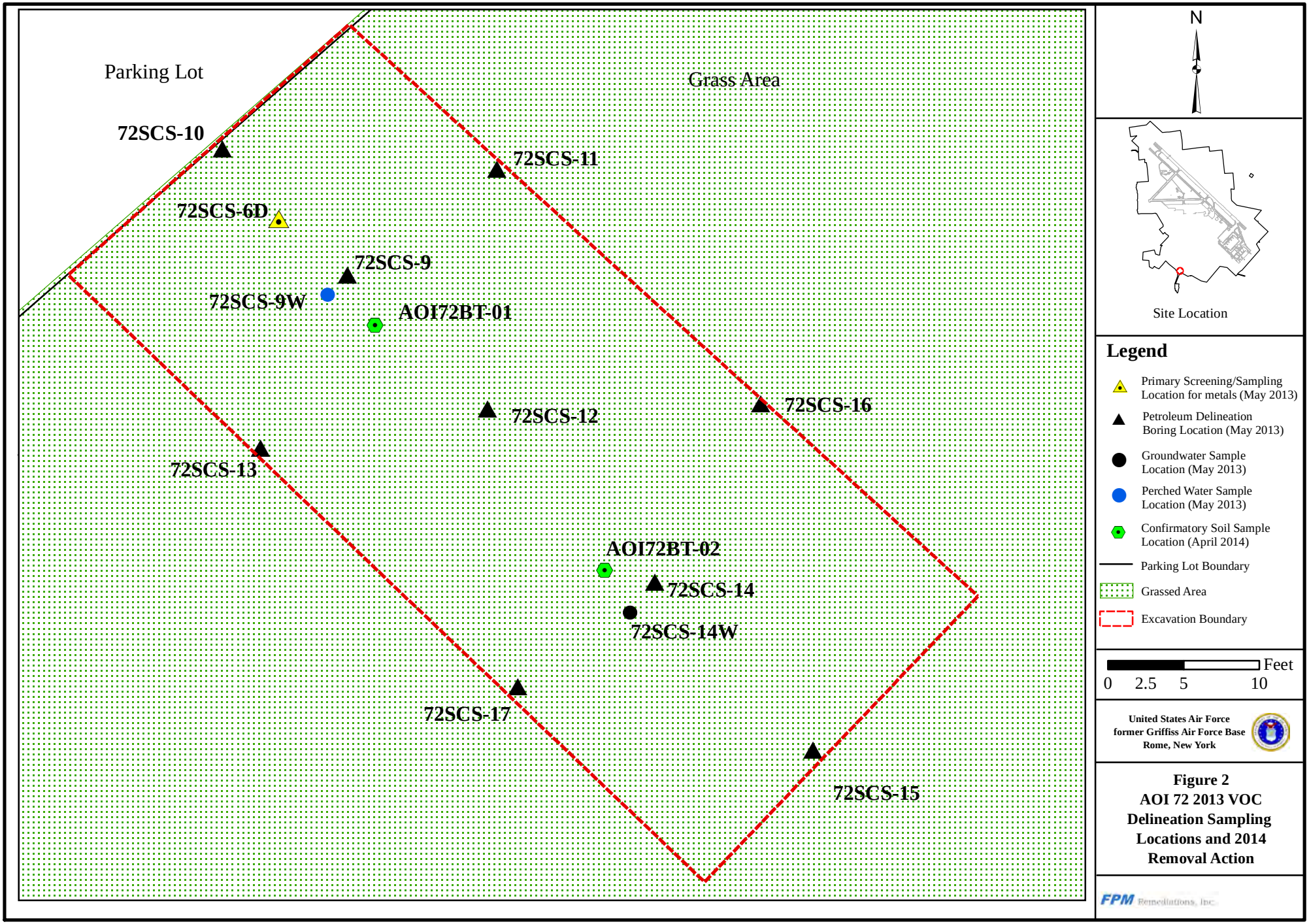
Feet

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

Figure 1
AOI 72
May 2013
Sampling Locations

FPM Remediations, Inc.

Y:\GIS_Projects\Griffiss\Projects\1015-11-01\Mod_2\AOI_72\AOI 72 SC Report - Figure 1db.mxd



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\Mod_2\AOI_72\AOI 72 SC Report - Figure 2.mxd

Appendix A
Parcel F9 (AOI 72) Sampling Investigation Report

GRIFFISS AFB
NEW YORK

ADMINISTRATIVE RECORD
COVER SHEET

AR File Number 2072

QUALITY CONTROL SUMMARY REPORT FOR PARCEL F9 SAMPLING INVESTIGATION AT THE GRIFFISS AIR FORCE BASE

Rome, New York

August 1999

- AOI 53
- AOI 68
- AOI 69/448
- AOI 70
- AOI 71
- AOI 72
- AOI 169
- Railroad Tracks

Prepared For:

U.S. Army Engineer District, Kansas City
601 East 12th Street
Kansas City, MO 64106-2896

001002_UK07_05_01_90-B0213

Quality Control Summary Report for the Parcel F9 Investigation at the Former Griffiss Air Force Base

August 13, 1999

Prepared for:

U.S. ARMY CORPS OF ENGINEERS
Kansas City District
601 East 12th Street
Kansas City, Missouri 64106

Prepared by:

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List of Acronyms

AFB	Air Force Base
AFBCA	Air Force Base Conversion Agency
AFCEE	Air Force Center for Environmental Excellence
AOI	Area of Interest
ASC	Analytical Services Center
CQAB	Chemical Quality Assurance Branch
D	duplicate
E & E	Ecology and Environment, Inc.
EPA	Environmental Protection Agency
ERPMIS	Environmental Resource Program Information Management System
ESI	Expanded Site Investigation
FOST	Findings of Suitability for Transfer
FPTA	Fire Protection Training Area
FSP	Field Sampling Plan
HASP	Health and Safety Plan
IDW	investigation derived waste
IRPIMS	Installation Restoration Program Information Management System
Law	Law Environmental, Inc.
LCS	laboratory control sample
LDI	Location Definition Information
LIMS	Laboratory Information Management System
LRS	Laboratory Results System
LTD	Lithologic Description Information
MRD	Missouri River Division

List of Acronyms (Cont.)

MS/MSD	matrix spike/matrix spike duplicate
NFS	no further study
ND	non detect
NS	near surface soil
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PAH	Polynuclear Aromatic Hydrocarbons
PCBs	Polychlorinated biphenyls
QAPjP	Quality Assurance Project Plan
QA/QC	quality assurance/quality control
QCSR	quality control summary report
RES	Test Results Information
RI	remedial investigation
RPD	relative percent difference
S	split
SI	supplemental investigation
SLI	Site and Location Cross-Reference Information
SOP	Standard Operating Procedure
STS	Sample Tracking System
SW	surface water
TEST	Analytical Test Information
TIC	Tentatively Identified Compound
µg/kg	Micrograms per kilogram
USACE	

Purpose of Document

The purpose of the Parcel F9 investigation is to delineate and evaluate contamination in the surface soil and near surface soil from material storage areas, coal storage areas, and railroad tracks. The results of this investigation are being evaluated in a risk assessment to either confirm the no further study (NFS) recommendation or determine the potential risk to human health under future land use scenarios for Parcel F9. These additional investigations at Parcel F9 were completed in response to a request by the New York State Department of Environmental Conservation (NYSDEC), the New York State Department of Health (NYSDOH), and the United States Environmental Protection Agency (EPA) under a Findings of Suitability for Transfer (FOST) for future land development.

This quality control summary report (QCSR) presents the results of the analytical program and provides an opportunity to review the completeness and quality of the data collected. The purpose of this QCSR is to:

- Summarize sample collection, handling, and analytical procedures for the sampling event conducted for the Parcel F9 investigation;
- Identify any deviations from the proposed sampling and analysis procedures documented in Ecology and Environment, Inc's. (E & E's) addendum to the expanded site investigation (ESI) field sampling plan (FSP), health and safety plan (HASP), and quality assurance project plan (QAPjP) (E & E 1999);
- Present the analytical results for the field samples collected at seven areas of interest (AOIs); and Railroad Tracks; and
- Discuss the results of the data quality evaluation associated with the sampling event.

Evaluation of any contaminants detected from this sampling event will be provided in a separate report for the Parcel F9 investigation.

1 Introduction

Under contract to the United States Army Corps of Engineers (USACE), Kansas City District, E & E conducted a sampling investigation at seven AOIs and along a railroad track within Parcel F9 at the former Griffiss Air Force Base (Griffiss AFB) in Rome, New York). Parcel F9 is presently under a FOST for future land development.

Parcel F9 sampling was performed at the Group III AOIs listed below:

- Building 511 – Former Coal Storage Area (AOI 53);
- Ellsworth Road – Former Drum Storage Area (AOI 68);
- Woodhaven Housing – Former Drum Storage Area/Open Storage and Drainage Ditch (AOI 69/448);
- Current Trailer Park – Former Coal Storage Area (AOI 70);
- Trailer Park – Former Drum Storage Area-Tuscarora Drive (AOI 71);
- Mobile Avenue – Former Drum Storage Area (AOI 72);
- Building 5591 – Railroad Load/Unload Area (AOI 169).

Parcel F9 sampling was also performed along the Railroad Tracks crossing F9.

2 Data Collection, Data Management, and Quality Control Procedures

2.1 Sample Collection Procedures

The Parcel F9 field investigation consisted of the collection of near-surface soil (NS) and sediment (SD) samples in accordance with the July 1999 *Addendum to the ESI Field Sampling Plan (FSP), Health and Safety Plan, and Quality Assurance Project Plan for the Parcel F9 Investigation at Former Griffiss Air Force Base, Rome, New York* (E & E 1999) (see Appendix A). No variance in field methodologies occurred during the investigation. Daily Activity Summary reports were prepared by E & E and submitted to USACE and Air Force Base Conversion Agency (AFBCA) (see Appendix B). All field activities were carried out in accordance with the approved Quality Control Plan. An E & E QC inspector was present on site during the second day of the three-day field investigation.

Methodologies used for field notebooks; sample labeling, packaging, and custody; equipment decontamination; disposal of investigation-derived waste (IDW); and site survey were performed in accordance with the FSP. The collection of NS and SD samples were also conducted in accordance with the methodologies presented in the FSP.

2.2 Field QA/QC Sample Requirements

Quality assurance/quality control (QA/QC) samples were collected on a site-wide basis according to the criteria established in Section 10 of Law's Quality Assurance Project Plan (QAPP) (Law 1993), except as modified in E & E's QAPjP from the FSP (E & E 1999).

In summary, these field QA/QC sample requirements are as follows:

- Field QC duplicates would be collected at a frequency of 10 % of the number of field samples collected;

- Field QA split samples would be collected from the same sample points as the QC duplicate samples, at a frequency of 10% of the number of field samples collected;
- Rinsates would be collected at a frequency of 10% of the number of field samples collected if nondedicated equipment was used;
- Matrix spike/matrix spike duplicates (MS/MSDs) for laboratory QC would be collected at a frequency of 20% of the samples collected;
- No ambient condition blanks would be collected; and
- No field blanks would be collected.

2.3 Contracted Analytical Laboratories

All laboratory analyses were provided by E & E's Analytical Services Center (ASC) in Lancaster, New York. QA split samples were sent to the USACE Chemical Quality Assurance Branch (CQAB) in Omaha, Nebraska, for analysis.

2.4 Sample Handling and Custody Procedures

Field samples were collected, preserved, and transported to the appropriate laboratory according to the procedures described in FSP. Deviations from these sample handling and custody procedures are reported under the appropriate sampling area in Section 3 of this document.

All chain-of-custody documentation associated with the collection of samples for the F9 Parcel is included in Appendix C.

2.5 Equipment Calibration and Maintenance

Calibration procedures for the field and laboratory instruments are presented in Sections 8.1 and 8.2 of Law's QAPP (Law 1993), except as modified by E & E's FSP and QAPjP. Deviations from these calibration and maintenance procedures are reported under the appropriate sampling area in Section 3 of this document.

2.6 Quality Assurance Objectives

Data uses and QA objectives were determined by E & E and are included in E & E's FSP (E & E 1999).

2.7 Procedures for Data Quality Evaluation

Data quality evaluations focus on deviations from expected QC activities, problems encountered, and the acceptability of the methodologies used. Sample integrity is based on information provided on the cooler receipt form, the chain-of-custody documents, statements in the laboratory case narratives, and field notebooks. The evaluation of the analytical data with respect to project- and method-specific quality objectives was performed using the results of laboratory method blank analyses, laboratory control samples (LCS), matrix spike/matrix spike duplicate (MS/MSD) analyses, and surrogate recoveries, where applicable. Field duplicate data were used to evaluate the accuracy and precision of the analytical results and field sample collection methods.

The ASC prepares one data package per laboratory work order. One data validation memorandum is generated for each laboratory work order and describes the data qualifications in detail. These memoranda contain all the details of the data quality review. Copies of all data validation memoranda are provided in Appendix D. The key factors in the data quality review and validation procedures are highlighted for each sampling area in Section 3.

The sections that follow present the evaluation procedures used for laboratory and field QC samples.

2.7.1 Laboratory Data Quality Evaluation

The procedures used by E & E to evaluate and validate analytical data are described in Section 9.2.1 of Law's QAPP (Law 1993), except as modified by E & E's QAPjP in the FSP. Data validation requirements associated with this project are also presented in E & E's QAPjP. All data quality evaluation and qualification of the data summary tables were performed by a senior chemist. A project-specific data validation checklist was followed which ensured consistency and completeness of the data validation procedures. The data review was performed by reference to the following documents:

- USEPA Contract Laboratory Program *National Functional Guidelines for Organic Data Review* (EPA 1994); and
- USEPA Contract Laboratory Program *National Functional Guidelines for Inorganic Data Review* (EPA 1994).

Based on the guidance provided in these documents, professional judgment, and the QC limits presented in Law's QAPP (Law 1993) and E & E's QAPjP in the FSP (E & E 1999), data that meet acceptance limits for all laboratory and field QC were not qualified and should be considered usable as reported. Data with slight QC problems should be considered usable for this project, with qualifications.

The ASC also provided data on tentatively identified compounds (TICs) for Method 8270C in both the hard copy and electronic reports. The TICs were evaluated to determine potential background contamination and laboratory artifacts. Early eluting ketone-type compounds are typically associated as an aldol condensation product. Early eluting solvents are due to laboratory background. Acidic hydrocarbons such as hexadionic and pentadionic acids are background from the laboratory detergents used in glassware cleaning. Siloxane compounds typically arise from glassware leaching. Based on professional judgement and laboratory "B" flags, these compounds were flagged as non-reportable in the database. The remaining compounds were evaluated based on chemical structure, the quality of the library match, and the presence of the compounds relative to the known contamination in the sample. Only compounds with a greater than 90 percent match were reported. The remaining compounds were classified into analyte groups based on chemical structure (e.g., saturated hydrocarbons or oxygenated hydrocarbons). The TICs are then summarized in tables based on analyte group. The reported values represent the sum of all concentrations reported for that analyte group. The frequency of compounds is listed in parentheses.

2.7.2 Field Data Quality Evaluation

QA and QC samples were collected to assess the quality of the field sampling activities. These QA/QC field samples include duplicates, splits, and rinsate blanks. The evaluation of these samples was based on completeness of data, results of rinsate blank analysis, and relative percent differences (RPDs) of field duplicate results. The evaluation criteria (RPD categories) used for field duplicates can be found in Section 4.3.1 of Law's QAPP (Law 1993).

To facilitate the comparison of the original field, QC duplicate, and QA split sample data, all samples from a common sample point were assigned the same client ID number. The QC duplicate samples were assigned a suffix of "D," and QA split samples were assigned a suffix of "S."

Quality Control Sample Collection

The QC samples (duplicates and rinsate blanks) were collected with the field samples, placed in the same type of containers, treated in the same manner as the field samples, and analyzed by the ASC with the field samples. Although QC samples were not collected at separate field locations, they were considered separate field samples for analytical purposes.

Rinsate blanks were collected on a 10% basis during collection of samples with nondedicated equipment to determine whether cross-contamination from the sampling equipment occurred.

Quality Assurance Sample Collection

The QA split samples were collected with the corresponding QC duplicate and original field samples to assess the accuracy of the sampling method and the laboratory analyses. The QA samples were sent to the CQAB Laboratory in Omaha, Nebraska, for analysis.

2.8 Data Management

ASC laboratory data collection, data reduction, and data handling procedures are presented in the ASC's standard operating procedures (SOPs) and Laboratory QA Manual (E & E 1998).

Analytical results are stored by the ASC laboratory in both electronic and hard copy formats. Hard copy data packs for each laboratory work order are validated, and qualifiers are recorded on the data pack. Validation memoranda documenting the analytical procedures and results of the data evaluation are created for each laboratory work order. Validation memoranda and data packages associated with this investigation were sent to the USACE chemist one week after each data package was completed.

All analytical results are managed electronically using E & E's Laboratory Information Management System (LIMS). Analytical results are read directly off of the instruments, as applicable. The data is transmitted electronically and checked as part of the data validation process. Validation qualifiers are added to the appropriate samples in the database. Analytical results are electronically transferred to a final database used to generate data summary reports.

Results for surrogate parameters are reported with the standard analytical results on the "Complete Analytical Data" tables. Other laboratory QC results, including MS/MSDs and laboratory method blanks, are reported on separate tables.

Analytical data associated with the Parcel F9 investigation will be provided electronically to the Air Force Center for Environmental Excellence (AFCEE) in the required format for inclusion in the Environmental Resources Program Information Management System (ERPIMS). ERPTools/Lab will be used by the ASC and ERPTools/PC will be used by E & E to provide data to AFCEE in compliance with ERPIMS 1998 Data Loading Handbook, Version 4.0, October 1997. ERPTools/PC incorporates a number of automatic error checking routines to identify duplicate record sets; incorrect date/time/number formats; invalid codes; failure to complete key required data fields essential for file integrity; and field, record, and submission level validation.

2.9 Location of Data

A complete set of the analytical results are contained in summary tables presented in Section 3 of this report. The original data packages and a copy of this QCSR were forwarded to Mr. Frank McStay of the U.S. Army Corps of Engineers, Kansas City District. Duplicate data packages are kept in the ASC. An electronic copy of the data is kept in the ERPIMS database at Brooks AFB, Texas and in a project-specific database maintained by E & E.

3 AOC-Specific Sampling, Analysis, and Quality Control Results

This section describes the proposed sampling at each area within Parcel F9, any deviations from the work plan or the QAPjP, and includes a description of the data quality review on a sampling area-specific basis. Tabulations of the quality controlled analytical results are also included in this section. The appendices report supportive information, such as maps and tables describing the proposed work and AOI background information (Appendix A), daily activity reports forms (Appendix B), chain-of-custody (COC) documentation (Appendix C), validation memoranda (Appendix D), lab case narratives (Appendix E), and Systems Audit documentation (Appendix F). The data in the appendices are sorted in chronological order of the sampling events.

3.6 Mobile Avenue – Former Drum Storage Area (AOI 72)

3.6.1 Proposed Sample Collection and Analytical Requirements

According to the FSP, soil sampling at Mobile Avenue – Former Drum Storage Area (AOI 72) included:

- Thirty soil samples were collected at fifteen locations (see Figure 3-6 of the FSP). Two samples, a surface soil (0 to 2 inches) and a near-surface soil (2 to 4 feet), were collected at each location and analyzed for TCL SVOCs using Method 8270C, TCL Pesticides using Method 8081A, TCL PCBs using Method 8082, and TAL Metals using Methods 6010B/7471A.

3.6.2 Sampling and Analysis Performed

Soil samples (G072-NS01-Z1 through G072-NS15-Z1 and G072-NS01-Z2 through G072-NS15-Z2) were sampled on July 6 and 7, 1999. Near surface soil (0 to 2 inches) samples were collected with a dedicated stainless-steel spoon and near-surface soil (2 to 4 feet) samples were collected with a split spoon sampler. Duplicate and split samples were collected from G072-NS06-Z2 and G072-NS011-Z2. Extra volume was obtained from G072-NS10-Z2 for MS/MSD analysis. One field rinsate was obtained from the split spoon sampling equipment analyzed for site-specific methods.

Table 3.6-1 lists the proposed samples, as well as the sampling dates, sample depths, and analyses associated with the samples. (This table is a post-sampling update of the FSP table presented in Appendix A.)

There were no changes to the proposed sample analyses required for the samples collected at Mobile Avenue – Former Drum Storage Area (AOI 72) except that the rinsate sample was not originally included in the FSP (see Appendix A). This sample has been were added to this AOI as noted on Table 3.6-1. In addition, sample G072-NS11-Z1 was not included on the FSP, but was collected in the field.

3.6.3 Deviations From Sample Handling and Custody Procedures

No deviations occurred to the proposed sample handling and sample custody procedures at Mobile Avenue – Former Drum Storage Area (AOI 72).

3.6.4 Data Quality Evaluation

The data quality was evaluated based on sample integrity, holding times, method blank results, LCS results, MS/MSD recoveries, surrogate recoveries and duplicate precision as outlined in Section 2.7 of this document. The correlation between original samples collected at Mobile Avenue – Former Drum Storage Area (AOI 72) and the associated field and laboratory QA/QC samples used to confirm and qualify the original samples are reported in Table 3.6-2.

All of the data collected from Mobile Avenue – Former Drum Storage Area (AOI 72) are reported in two E & E ASC laboratory work orders 9907027 and 9907040. Detailed descriptions of the data quality review are reported by lab work order in the Data Validation Memorandum provided in Appendix D.

Based on QC criteria, all data collected and analyzed from Mobile Avenue – Former Drum Storage Area (AOI 72) are usable. Data qualification for the samples from Mobile Avenue – Former Drum Storage Area (AOI 72) is discussed by method in the following sections.

3.6.4.1 Soil Samples from AOI 72

Method 8270C

Internal standard recoveries were within QC limits except for the samples listed below. The samples were re-analyzed and gave similar results indicating a potential matrix effect. Any positive results associated with low or high internal standard recoveries outside the QC limits are qualified "J" as estimated. Any PQLs associated with internal standard recoveries below the QC criteria are qualified "UJ" as estimated. Since the estimated values are a result of matrix effects there is no impact on data usability.

Client Sample ID	No. of Parameters	Dilution Factor	Validation Flags
G072-NS01-Z1	2	1	UJ
G072-NS01-Z2	2	1	UJ
G072-NS02-Z1	5	1	UJ
G072-NS03-Z1	1	1	UJ
G072-NS05-Z1	5	1	UJ
G072-NS06-Z1	6	1	UJ
G072-NS12-Z1	4	10	UJ
G072-NS13-Z1	4	1	UJ
G072-NS13-Z1	5	1	J

The sample G072-NS14-Z2 was originally extracted for BNAs and gave low surrogate recoveries outside control limits in the range 10-25%. The sample was re-extracted and gave surrogate recoveries within control limits in the range of 50-80%. Both sets of results gave no positive hits. The data indicates an extraction efficiency problem with the first analysis. The re-extraction was done three days past NYSDEC holding times, but well within the EPA and USACE holding times. Of the related data, the Z1 interval of the sample had low level PAH hits and a small hydrocarbon envelope. The nearby boring at location NS12 was highly contaminated with hydrocarbons at the Z1 interval and showed low level hits at the Z2 interval.

Overall, the data are considered usable for the purposes of the F9 program. Based on any set of data validation rules the re-extraction data are acceptable. The original re-extraction was poor, but did not give recoveries below 10% thereby supporting the conclusion that the sample did not contain high levels of contaminants. In addition, the re-extraction notes indicate that the sample was clay material, which also may support the lack of contamination based on site geology. The related data clearly indicates a potential hydrocarbon problem at the site. Therefore any potential concerns from the regulators on this particular sample result would not change the overall conclusions from the site data.

Method 8081A/Method 8082

The MS/MSD results indicated potential matrix effects in the analysis. Samples were analyzed at a dilution, but interference affected recoveries of the MS compounds. The following samples and parameters were detected above the laboratory PQL and were flagged "J" as estimated. Since the estimated values are a result of matrix effects there is no impact on data usability.

Client Sample ID	Parameter	Result
G072-NS05-Z1	Heptachlor epoxide	4.88
G072-NS07-Z1	Heptachlor epoxide	9.03
G072-NS08-Z1	alpha-BHC	10.1

Several low-level pesticides were detected just below the PQL in the rinsate FIELDQC RB72. The rinsate sample was collected from the split spoon samples and is applicable only to the Z2 interval. No corrective action is required in the Law QAPP. However, the soil samples did contain many low-level hits of these compounds. The following samples are present at concentrations less than five times the blank levels in the rinsate. The blank level is corrected for a soil concentration. All soil results less than the

blank level are flagged "U" as non-detect. If the PQL is less than the five times blank level, than the PQL is elevated to that value.

The blank levels listed below were compared to risk-based screening criteria. All blank levels were at least 10 times below the risk-based criteria and therefore, data usability will not be impacted. The rinsate blank levels may have resulted from dirty glassware in the laboratory or from transferred of soil to the water. Overall, the blank levels used to flag data are very conservative. None of the other rinsate samples were contaminated and there does not appear to be any systematic QC problems in the field.

Client Sample ID	Analyte	Result (µg/Kg)	5X Level (µg/Kg)	Qualifier
G072-NS02-Z2	4,4´-DDD	6.13	8	U
G072-NS02-Z2	4,4´-DDE	4.71	6.67	U
G072-NS03-Z2	4,4´-DDE	0.86	6.67	UJ
G072-NS04-Z2	4,4´-DDD	3.13	8	U
G072-NS04-Z2	4,4´-DDE	1.5	6.67	UJ
G072-NS06-Z2	4,4´-DDD	4.3	8	UJ
G072-NS06-Z2	4,4´-DDE	3.5	6.67	UJ
G072-NS06-Z2/D	4,4´-DDD	3.4	8	UJ
G072-NS06-Z2/D	4,4´-DDE	2.3	6.67	UJ
G072-NS09-Z2	4,4´-DDD	0.38	8	UJ
G072-NS09-Z2	4,4´-DDE	0.79	6.67	UJ
G072-NS10-Z2	4,4´-DDD	0.61	8	UJ
G072-NS10-Z2	4,4´-DDE	1	6.67	UJ

Method 6010B/7471A

The MS/MSD results indicated potential matrix effects in the analysis. All LCS recoveries were acceptable. Samples were analyzed as a post-digestion spike to confirm the matrix effects. Metal results detected above the laboratory PQL were flagged "J" as estimated as indicated below. Also as indicated below, non-detected results were flagged "UJ" as estimated if the MS recoveries were low. Since the estimated values are a result of matrix effects there is no impact on data usability.

Client Sample ID	Analyte	Result	Validation Flag
G072-NS01-Z1	Manganese	436	J
G072-NS01-Z2	Manganese	290	J
G072-NS02-Z1	Manganese	124	J
G072-NS02-Z2	Manganese	454	J
G072-NS03-Z1	Manganese	228	J
G072-NS03-Z2	Manganese	319	J
G072-NS04-Z1	Manganese	643	J

Client Sample ID	Analyte	Result	Validation Flag
G072-NS04-Z2	Manganese	305	J
G072-NS05-Z1	Manganese	216	J
G072-NS05-Z2	Manganese	228	J
G072-NS06-Z1	Manganese	277	J
G072-NS06-Z2	Manganese	371	J
G072-NS06-Z2/D	Manganese	301	J
G072-NS07-Z1	Manganese	70.1	J
G072-NS07-Z2	Manganese	304	J
G072-NS08-Z1	Manganese	84.4	J
G072-NS08-Z2	Manganese	499	J
G072-NS09-Z1	Copper	377000	J
G072-NS09-Z1	Manganese	225	J
G072-NS09-Z1	Zinc	741	J
G072-NS09-Z2	Manganese	437	J
G072-NS10-Z1	Manganese	109	J
G072-NS10-Z2	Manganese	792	J
G072-NS11-Z1	Manganese	68.6	J
G072-NS11-Z2	Manganese	421	J
G072-NS11-Z2/D	Manganese	455	J
G072-NS12-Z1	Manganese	304	J
G072-NS12-Z2	Manganese	572	J
G072-NS13-Z1	Manganese	132	J
G072-NS13-Z2	Manganese	368	J
G072-NS14-Z1	Manganese	90.3	J
G072-NS14-Z2	Manganese	707	J
G072-NS15-Z1	Manganese	180	J
G072-NS15-Z2	Manganese	329	J

Low levels of metals were detected in the method blanks below the PQL. Metals in the rinsate and low levels of cobalt and beryllium in 12 samples were flagged "U" as non-detect due to the method blanks. There is no impact on data usability because the laboratory was in compliance and the PQLs are well below any risk-based criteria.

3.6.5 Analytical Results Tables

Table 3.6-3 summarizes the complete analytical results for the soil samples collected at the Mobile Avenue – Former Drum Storage Area (AOI 72) location. Table 3.6-4 summarizes the positive results for soil samples. Table 3.6-5 (A and B) present the field duplicate results and Table 3.6-6 reports the TICs detected in the soil samples. No TICs were detected above laboratory background in the rinsate blank. Tables 3.6-7 to 3.6-9 present the results for the associated QA/QC samples.

3.6.7 Data Completeness and Representativeness

3.6.7.1 Analytical Method Problems

For part of the samples analyzed under laboratory work order 9907027, the laboratory performed analysis for Method 6010B using a solid LCS and the manufacturer limits were used for QC criteria. This practice is consistent with the original requirements in the Law QAPP, but not the current USACE requirements as reflected in the E & E QAPjP in the FSP (E & E 1999). There is no difference in the analytical results for the soil samples whether a solid or water LCS is used. The data are directly comparable. The supporting MS/MSD analysis minimizes any differences in how the QC batches are evaluated. The MS/MSD results were generally within limits and any results outside limits were confirmed as matrix effect using a post-digestion spike. All future analysis should be performed using a water LCS, consistent with the current USACE requirements.

3.6.7.2 Needed QA/QC Change

No QA/QC changes were noted for the analytical methods used for samples collected at Mobile Avenue – Former Drum Storage Area (AOI 72).

3.6.8 Summary and Conclusions

No data points were rejected for the soil samples collected at the Mobile Avenue – Former Drum Storage Area (AOI 72) location; therefore, a completeness goal of 100% was achieved for analytical level III data. The analytical data meet specified QC criteria, with any exceptions or qualifications noted above. The data points that were qualified as estimated should be considered useable for the purposes of this project. A total of 4098 data points are associated with the Mobile Avenue – Former Drum Storage Area (AOI 72) location.

TABLE 3.6-1
PARCEL F9 SAMPLING INVESTIGATION
SAMPLE LISTING FOR
MOBILE AVENUE/FORMER DRUM STORAGE AREA (AOI 72)
FORMER GRIFFISS AIR FORCE BASE

							ANALYTES			
Location	Date	Sample Number	Lab	Matrix	Type	Depth	TCL SVOCs	TCL Pest/PCBs	TAL Metals	% Solids
AOI 72	7/6/99	G072-NS01-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS01-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS02-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS02-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS03-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS03-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS04-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS04-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS05-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS05-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS06-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS06-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS06-Z2/D	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS06-Z2/S	ERDC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS07-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS07-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS08-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS08-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS09-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS09-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS10-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/6/99	G072-NS10-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	G072-NS10-Z2 (MS/MSD)	ASC	Soil/QC Matrix	NS	2'-4'	X	X	X	X
	7/7/99	G072-NS11-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/7/99	G072-NS11-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/7/99	G072-NS011-Z2/D	ASC	Soil	NS	2'-4'	X	X	X	X
	7/7/99	G072-NS011-Z2/S	ERDC	Soil	NS	2'-4'	X	X	X	X
	7/7/99	G072-NS12-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/7/99	G072-NS12-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/7/99	G072-NS13-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/7/99	G072-NS13-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/7/99	G072-NS14-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/7/99	G072-NS14-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/7/99	G072-NS15-Z1	ASC	Soil	NS	0"-2"	X	X	X	X
	7/7/99	G072-NS15-Z2	ASC	Soil	NS	2'-4'	X	X	X	X
	7/6/99	FIELDQC RB72	ASC	Eqpt. Washwater	EB	-	X	X	X	

Key:

AOI = Area of Interest
ASC = E & E's Analytical Services Center
/D = duplicate
EB = equipment rinsate
Eqpt. = equipment
ERDC = U.S. Army Engineer Research and Development Center Quality Assurance Laboratory
MS/MSD = matrix spike/matrix spike duplicate
NS= surface or near surface soil
PCB = polychlorinated biphenyls
Pest = pesticides
QC = quality control sample
RB = rinsate blank
/S = split
SVOC = semivolatile organic compounds
TAL = Target Analyte List
TCL = Target Compound List
Z1 = near surface soil depth 0"-2"
Z2 = surface soil depth 2'-4'

Table 3.6-2
ASSOCIATION BETWEEN PARCEL F9 INVESTIGATION FIELD AND QA/QC SAMPLES
AOI 72 - MOBILE AVENUE/FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Sample Date	Samples Collected	Associated Field QC Samples			Associated Field QA Samples
		Rinsate Blanks	Field Duplicates	MS/MSD	Field Splits
7/6/99	G072-NS01-Z1	-	-	-	-
	G072-NS02-Z1	-	-	-	-
	G072-NS03-Z1	-	-	-	-
	G072-NS04-Z1	-	-	-	-
	G072-NS05-Z1	-	-	-	-
	G072-NS06-Z1	-	-	-	-
	G072-NS07-Z1	-	-	-	-
	G072-NS08-Z1	-	-	-	-
	G072-NS09-Z1	-	-	-	-
	G072-NS10-Z1	-	-	-	-
7/7/99	G072-NS11-Z1	-	-	-	-
	G072-NS12-Z1	-	-	-	-
	G072-NS13-Z1	-	-	-	-
	G072-NS14-Z1	-	-	-	-
	G072-NS15-Z1	-	-	-	-
7/6/99	G072-NS01-Z2	FIELDQC RB72	-	-	-
	G072-NS02-Z2		-	-	-
	G072-NS04-Z2		-	-	-
	G072-NS03-Z2		-	-	-
	G072-NS05-Z2		-	-	-
	G072-NS06-Z2		G072-NS06-Z2/D	-	G072-NS06-Z2/S
	G072-NS07-Z2		-	-	-
	G072-NS08-Z2		-	-	-
	G072-NS09-Z2		-	-	-
	G072-NS10-Z2		-	G072-NS10-Z2 (MS/MSD)	-
7/7/99	G072-NS11-Z2		G072-NS11-Z2/D	-	G072-NS11-Z2/S
	G072-NS12-Z2		-	-	-
	G072-NS13-Z2		-	-	-
	G072-NS14-Z2		-	-	-
	G072-NS15-Z2		-	-	-

Table 3.6-2
ASSOCIATION BETWEEN PARCEL F9 INVESTIGATION FIELD AND QA/QC SAMPLES
AOI 72 - MOBILE AVENUE/FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Key:

AOI	=	Area of Interest
/D	=	duplicate sample
MS/MSD	=	matrix spike/matrix spike duplicate
NS	=	near surface/surface soil sample
/S	=	split sample
QA	=	quality assurance
QC	=	quality control
RB	=	rinsate blank
Z1	=	near surface soil sample (shallow sample of two collected)
Z2	=	surface soil sample (deeper sample of two collected)

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Test : PCBs - SW 8082	**Units: µg/kg**						
Aroclor 1016		22.8 U	138 U	20.3 U	22.8 U	19.9 U	22.7 U
Aroclor 1221		45.6 U	277 U	40.6 U	45.6 U	39.9 U	45.5 U
Aroclor 1232		22.8 U	138 U	20.3 U	22.8 U	19.9 U	22.7 U
Aroclor 1242		22.8 U	138 U	20.3 U	22.8 U	19.9 U	22.7 U
Aroclor 1248		22.8 U	138 U	20.3 U	22.8 U	19.9 U	22.7 U
Aroclor 1254		22.8 U	138 U	20.3 U	22.8 U	19.9 U	22.7 U
Aroclor 1260		8.7 J	138 U	7.5 J	22.8 U	13 J	22.7 U
Test : PCBs - SW 8082 - Surrogates	**Units: %**						
Decachlorobiphenyl-s		63.8	105.6	84.6	77.7	83	78.2
Tetrachloro-m-xylene-s		79.8	75.3	94	92.2	89.8	89.2
Test : Percent Moisture - D2216	**Units: %**						
Percent Moisture		19.6 %	30.3 %	7.76 %	15.8 %	3.91 %	16 %
Test : Pesticides - SW 8081A	**Units: µg/kg**						
4,4'-DDD		11.4 U	230 J	40.6 U	6.13 U	3.99 U	2.2 U
4,4'-DDE		6.4 J	692 U	14 J	4.71 U	8.06	0.86 UJ
4,4'-DDT		8.1 J	2020	6.6 J	2.28 U	3.6 J	11.3
Aldrin		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
alpha-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
alpha-Chlordane		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
beta-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
delta-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
Dieldrin		2.1 J	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endosulfan I		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endosulfan II		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endosulfan sulfate		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endrin		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endrin aldehyde		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endrin ketone		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
gamma-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
gamma-Chlordane		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
Heptachlor		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Heptachlor epoxide		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Methoxychlor		57 U	3460 U	203 U	11.4 U	5.4 J	11 U
Toxaphene		285 U	17300 U	1020 U	57 U	99.7 U	55.1 U
Test : Pesticides - SW 8081A - Surrogates				**Units: %**			
Decachlorobiphenyl-s		72.5	0	0	86.3	69.5	84.3
Tetrachloro-m-xylene-s		96.1	0	0	97.5	116	89.7

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Test : Semivolatiles - SW 8270C	**Units: µg/kg**						
1,2,4-Trichlorobenzene		392 U	455 U	343 U	370 U	319 U	371 U
1,2-Dichlorobenzene		392 U	455 U	343 U	370 U	319 U	371 U
1,3-Dichlorobenzene		392 U	455 U	343 U	370 U	319 U	371 U
1,4-Dichlorobenzene		392 U	455 U	343 U	370 U	319 U	371 U
2,4,5-Trichlorophenol		986 U	1140 U	862 U	930 U	803 U	934 U
2,4,6-Trichlorophenol		392 U	455 U	343 U	370 U	319 U	371 U
2,4-Dichlorophenol		392 U	455 U	343 U	370 U	319 U	371 U
2,4-Dimethylphenol		392 U	455 U	343 U	370 U	319 U	371 U
2,4-Dinitrophenol		392 U	455 U	343 U	370 U	319 U	371 U
2,4-Dinitrotoluene		392 U	455 U	343 U	370 U	319 U	371 U
2,6-Dinitrotoluene		392 U	455 U	343 U	370 U	319 U	371 U
2-Chloronaphthalene		392 U	455 U	343 U	370 U	319 U	371 U
2-Chlorophenol		392 U	455 U	343 U	370 U	319 U	371 U
2-Methylnaphthalene		392 U	455 U	343 U	370 U	319 U	371 U
2-Methylphenol		392 U	455 U	343 U	370 U	319 U	371 U
2-Nitroaniline		986 U	1140 U	862 U	930 U	803 U	934 U
2-Nitrophenol		392 U	455 U	343 U	370 U	319 U	371 U
3,3'-Dichlorobenzidine		784 U	909 U	685 U	739 U	638 U	742 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
3-Nitroaniline		986 U	1140 U	862 U	930 U	803 U	934 U
4,6-Dinitro-2-methylphenol		986 U	1140 U	862 U	930 U	803 U	934 U
4-Bromophenyl phenyl ether		392 U	455 U	343 U	370 U	319 U	371 U
4-Chloro-3-methylphenol		392 U	455 U	343 U	370 U	319 U	371 U
4-Chloroaniline		392 U	455 U	343 U	370 U	319 U	371 U
4-Chlorophenyl phenyl ether		392 U	455 U	343 U	370 U	319 U	371 U
4-Nitroaniline		986 U	1140 U	862 U	930 U	803 U	934 U
4-Nitrophenol		986 U	1140 U	862 U	930 U	803 U	934 U
Acenaphthene		392 U	455 U	343 U	370 U	319 U	371 U
Acenaphthylene		392 U	455 U	343 U	370 U	38 J	371 U
Anthracene		392 U	455 U	343 U	370 U	49 J	371 U
Benz(a)anthracene		91 J	120 J	343 U	370 U	190 J	371 U
Benzo(a)pyrene		99 J	140 J	343 UJ	370 U	140 J	371 U
Benzo(b)fluoranthene		140 J	180 J	343 UJ	370 U	170 J	371 U
Benzo(g,h,i)perylene		392 UJ	455 UJ	343 UJ	370 U	319 UJ	371 U
Benzo(k)fluoranthene		120 J	160 J	343 UJ	370 U	210 J	371 U
Benzoic acid		986 U	1140 U	862 U	930 U	803 U	934 U
Benzyl alcohol		392 U	455 U	343 U	370 U	319 U	371 U
Bis(2-chloroethoxy)methane		392 U	455 U	343 U	370 U	319 U	371 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Bis(2-chloroethyl)ether		392 U	455 U	343 U	370 U	319 U	371 U
Bis(2-chloroisopropyl)ether		392 U	455 U	343 U	370 U	319 U	371 U
Bis(2-ethylhexyl)phthalate		664	230 J	343 U	250 J	66 J	476
Butyl benzyl phthalate		170 J	455 U	160 J	370 U	319 U	371 U
Carbazole		392 U	455 U	343 U	370 U	319 U	371 U
Chrysene		120 J	190 J	50 J	370 U	240 J	371 U
Di-n-butyl phthalate		392 U	455 U	343 U	370 U	319 U	371 U
Di-n-octyl phthalate		392 U	455 U	343 U	370 U	319 U	371 U
Dibenz(a,h)anthracene		392 UJ	455 UJ	343 UJ	370 U	319 U	371 U
Dibenzofuran		392 U	455 U	343 U	370 U	319 U	371 U
Diethyl phthalate		392 U	455 U	343 U	370 U	319 U	371 U
Dimethyl phthalate		392 U	455 U	343 U	370 U	319 U	371 U
Fluoranthene		200 J	260 J	62 J	370 U	407	371 U
Fluorene		392 U	455 U	343 U	370 U	319 U	371 U
Hexachlorobenzene		392 U	455 U	343 U	370 U	319 U	371 U
Hexachlorobutadiene		392 U	455 U	343 U	370 U	319 U	371 U
Hexachlorocyclopentadiene		986 U	1140 U	862 U	930 U	803 U	934 U
Hexachloroethane		392 U	455 U	343 U	370 U	319 U	371 U
Indeno(1,2,3-cd)pyrene		392 U	455 U	343 U	370 U	319 U	371 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Isophorone		392 U	455 U	343 U	370 U	319 U	371 U
N-Nitrosodi-n-propylamine		392 U	455 U	343 U	370 U	319 U	371 U
N-Nitrosodimethylamine		392 U	455 U	343 U	370 U	319 U	371 U
N-Nitrosodiphenylamine		392 U	455 U	343 U	370 U	319 U	371 U
Naphthalene		392 U	455 U	343 U	370 U	319 U	371 U
Nitrobenzene		392 U	455 U	343 U	370 U	319 U	371 U
Pentachlorophenol		986 U	1140 U	862 U	930 U	803 U	934 U
Phenanthrene		130 J	180 J	343 U	370 U	290 J	371 U
Phenol		392 U	455 U	343 U	370 U	319 U	371 U
Pyrene		260 J	370 J	73 J	370 U	455	371 U
Test : Semivolatiles - SW 8270C - Surrogates			**Units: %**				
2,4,6-Tribromophenol-s		77.5	79.9	84.8	73.2	102.1	74
2-Fluorobiphenyl-s		63	71.3	72	55.7	92.5	61.5
2-Fluorophenol-s		93.9	100.7	86.9	58.9	140.1	92.2
Nitrobenzene-d5-s		55.9	67.2	67.7	49	86.8	58.4
Phenol-d5-s		94.2	86.6	77.3	60.5	127.3	81.8
Terphenyl-d14-s		96.3	93	83.1	65	102.3	60.8
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**				
Aluminum		6910	8420	1070	7770	1120	4420

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Antimony		316	21.4	152	4.76	74.8	3.06
Arsenic		5.76	7.06	3.03	3.82	2.68	2.26
Barium		48.7	41.4	23.7	30.5	20.4	14.2
Beryllium		0.33 J	0.45 J	0.542 U	0.35	0.033 J	0.15 J
Cadmium		1.53	0.945	0.719	0.4 J	0.317	0.21 J
Calcium		35100	7460	273000	7110	251000	28400
Chromium		12.1	8.55	3.92	8.02	3.73	5.41
Cobalt		3.78	4.7	0.75 J	2.43	0.91 J	2.15
Copper		68.3 J	36.4 J	168 J	25.6 J	363 J	22.9 J
Iron		14400	12600	3530	14300	3380	9420
Lead		30	16.3	13.8	7.22	16.3	2.58
Magnesium		3960	2770	9440	2020	4570	3160
Manganese		436 J	290 J	124 J	454 J	228 J	319 J
Mercury		0.041 U	0.0473 U	0.0358 U	0.0392 U	0.0343 U	0.0393 U
Nickel		15.6	10.8	5.13	9.89	4.46	7.68
Potassium		850	531	360	560	251	529
Selenium		2.53	1.68	1.94	2.16	1.01	1.32
Silver		0.824 U	1.05 U	1.08 U	0.873 U	0.566 U	0.902 U
Sodium		82.4 U	105 U	108 U	38 J	56.6 U	90.2 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Thallium		1.03	1.05 U	1.08 U	0.76 J	0.599	0.88 J
Vanadium		18.3	15.3	4.53	17.7	4.22	8.74
Zinc		415 J	104 J	71.2 J	48.5 J	62.4 J	28.2 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Test : PCBs - SW 8082	**Units: µg/kg**						
Aroclor 1016		22.8 U	22.2 U	21 U	20.5 U	19.9 U	23.9 U
Aroclor 1221		45.7 U	44.4 U	42.1 U	41 U	39.9 U	47.7 U
Aroclor 1232		22.8 U	22.2 U	21 U	20.5 U	19.9 U	23.9 U
Aroclor 1242		22.8 U	22.2 U	21 U	20.5 U	19.9 U	23.9 U
Aroclor 1248		22.8 U	22.2 U	21 U	20.5 U	19.9 U	23.9 U
Aroclor 1254		22.8 U	22.2 U	21 U	20.5 U	19.9 U	23.9 U
Aroclor 1260		22.8 U	19 J	5.9 J	20.5 U	21.1	6.7 J
Test : PCBs - SW 8082 - Surrogates	**Units: %**						
Decachlorobiphenyl-s		82.5	87.5	81.6	77.9	78.4	92.4
Tetrachloro-m-xylene-s		94.6	85.1	93.9	89.3	84.3	92.8
Test : Percent Moisture - D2216	**Units: %**						
Percent Moisture		17.2 %	17.5 %	8.9 %	12.2 %	8.34 %	20 %
Test : Pesticides - SW 8081A	**Units: µg/kg**						
4,4´-DDD		2.28 U	3.13 U	2.1 U	2.05 U	2.9 J	4.3 UJ
4,4´-DDE		0.88 J	1.5 UJ	1.9 J	2.05 U	29.1	3.5 UJ
4,4´-DDT		0.49 J	2.22 U	1.1 J	2.05 U	56.5	11.9 U
Aldrin		1.14 U	1.11 U	0.4 UJ	1.02	1.7 J	5.97 U
alpha-BHC		1.14 U	1.11 U	1.05 U	1.02 U	1.99 U	5.97 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Test : Semivolatiles - SW 8270C			**Units: µg/kg**				
1,2,4-Trichlorobenzene		380 U	397 U	335 U	351 U	350 U	404 U
1,2-Dichlorobenzene		380 U	397 U	335 U	351 U	350 U	404 U
1,3-Dichlorobenzene		380 U	397 U	335 U	351 U	350 U	404 U
1,4-Dichlorobenzene		380 U	397 U	335 U	351 U	350 U	404 U
2,4,5-Trichlorophenol		957 U	998 U	843 U	882 U	879 U	1020 U
2,4,6-Trichlorophenol		380 U	397 U	335 U	351 U	350 U	404 U
2,4-Dichlorophenol		380 U	397 U	335 U	351 U	350 U	404 U
2,4-Dimethylphenol		380 U	397 U	335 U	351 U	350 U	404 U
2,4-Dinitrophenol		380 U	397 U	335 U	351 U	350 U	404 U
2,4-Dinitrotoluene		380 U	397 U	335 U	351 U	350 U	404 U
2,6-Dinitrotoluene		380 U	397 U	335 U	351 U	350 U	404 U
2-Chloronaphthalene		380 U	397 U	335 U	351 U	350 U	404 U
2-Chlorophenol		380 U	397 U	335 U	351 U	350 U	404 U
2-Methylnaphthalene		380 U	397 U	335 U	351 U	350 U	404 U
2-Methylphenol		380 U	397 U	335 U	351 U	350 U	404 U
2-Nitroaniline		957 U	998 U	843 U	882 U	879 U	1020 U
2-Nitrophenol		380 U	397 U	335 U	351 U	350 U	404 U
3,3'-Dichlorobenzidine		761 U	794 U	671 U	701 U	699 UJ	808 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
3-Nitroaniline		957 U	998 U	843 U	882 U	879 U	1020 U
4,6-Dinitro-2-methylphenol		957 U	998 U	843 U	882 U	879 U	1020 U
4-Bromophenyl phenyl ether		380 U	397 U	335 U	351 U	350 U	404 U
4-Chloro-3-methylphenol		380 U	397 U	335 U	351 U	350 U	404 U
4-Chloroaniline		380 U	397 U	335 U	351 U	350 U	404 U
4-Chlorophenyl phenyl ether		380 U	397 U	335 U	351 U	350 U	404 U
4-Nitroaniline		957 U	998 U	843 U	882 U	879 U	1020 U
4-Nitrophenol		957 U	998 U	843 U	882 U	879 U	1020 U
Acenaphthene		380 U	397 U	335 U	351 U	350 U	404 U
Acenaphthylene		380 U	397 U	335 U	351 U	350 U	404 U
Anthracene		380 U	397 U	335 U	351 U	350 U	404 U
Benz(a)anthracene		380 U	397 U	335 U	351 U	49 J	404 U
Benzo(a)pyrene		380 U	397 U	335 UJ	351 U	54 J	404 U
Benzo(b)fluoranthene		380 U	397 U	335 UJ	351 U	78 J	404 U
Benzo(g,h,i)perylene		380 U	397 U	335 UJ	351 U	350 UJ	404 U
Benzo(k)fluoranthene		380 U	397 U	335 UJ	351 U	86 J	404 U
Benzoic acid		957 U	998 U	843 U	882 U	879 U	1020 U
Benzyl alcohol		380 U	397 U	335 U	351 U	350 U	404 U
Bis(2-chloroethoxy)methane		380 U	397 U	335 U	351 U	350 U	404 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: G072-NS04-Z1 Sample Date: 7/6/99 Depth (ft): 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Bis(2-chloroethyl)ether	380 U	397 U	335 U	351 U	350 U	404 U
Bis(2-chloroisopropyl)ether	380 U	397 U	335 U	351 U	350 U	404 U
Bis(2-ethylhexyl)phthalate	380 U	130 J	335 U	130 J	110 J	150 J
Butyl benzyl phthalate	380 U	397 U	335 U	351 U	350 UJ	404 U
Carbazole	380 U	397 U	335 U	351 U	350 U	404 U
Chrysene	380 U	397 U	46 J	351 U	78 J	404 U
Di-n-butyl phthalate	380 U	397 U	335 U	351 U	350 U	404 U
Di-n-octyl phthalate	380 U	397 U	335 U	351 U	350 UJ	404 U
Dibenz(a,h)anthracene	380 U	397 U	335 UJ	351 U	350 UJ	404 U
Dibenzofuran	380 U	397 U	335 U	351 U	350 U	404 U
Diethyl phthalate	380 U	397 U	335 U	351 U	350 U	404 U
Dimethyl phthalate	380 U	397 U	335 U	351 U	350 U	404 U
Fluoranthene	42 J	397 U	66 J	351 U	95 J	404 U
Fluorene	380 U	397 U	335 U	351 U	350 U	404 U
Hexachlorobenzene	380 U	397 U	335 U	351 U	350 U	404 U
Hexachlorobutadiene	380 U	397 U	335 U	351 U	350 U	404 U
Hexachlorocyclopentadiene	957 U	998 U	843 U	882 U	879 U	1020 U
Hexachloroethane	380 U	397 U	335 U	351 U	350 U	404 U
Indeno(1,2,3-cd)pyrene	380 U	397 U	335 U	351 U	350 UJ	404 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Isophorone		380 U	397 U	335 U	351 U	350 U	404 U
N-Nitrosodi-n-propylamine		380 U	397 U	335 U	351 U	350 U	404 U
N-Nitrosodimethylamine		380 U	397 U	335 U	351 U	350 U	404 U
N-Nitrosodiphenylamine		380 U	397 U	335 U	351 U	350 U	404 U
Naphthalene		380 U	397 U	335 U	351 U	350 U	404 U
Nitrobenzene		380 U	397 U	335 U	351 U	350 U	404 U
Pentachlorophenol		957 U	998 U	843 U	882 U	879 U	1020 U
Phenanthrene		380 U	397 U	34 J	351 U	58 J	404 U
Phenol		380 U	397 U	335 U	351 U	350 U	404 U
Pyrene		39 J	397 U	77 J	351 U	150 J	404 U
Test : Semivolatiles - SW 8270C - Surrogates		**Units: %**					
2,4,6-Tribromophenol-s		89.7	79.1	90.1	99.8	79.2	113.4
2-Fluorobiphenyl-s		75.2	68.6	73.8	66.6	70.5	62
2-Fluorophenol-s		110.4	83.9	100.9	119.7	85.3	125
Nitrobenzene-d5-s		72.8	65.1	76.1	74.2	63	77.2
Phenol-d5-s		97.6	77.1	89.4	117.6	78.3	132.9
Terphenyl-d14-s		61.6	67.8	92.8	61.8	112.3	59.4
Test : TAL Metals - SW6010B/7471A/7470A		**Units: mg/kg**					
Aluminum		8480	7430	3610	5750	2350	7200

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA,
PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Antimony		1.28	1	5.53	0.885	20.5	1.1
Arsenic		5.35	2.38	2.99	2.32	4.27	4.14
Barium		63.2	35.2	31.2	28.8	29.2	26.5
Beryllium		0.5	0.31	0.14	0.26	0.042 U	0.28
Cadmium		0.729	0.415	0.675	0.29 J	2.27	0.393
Calcium		5590	527	166000	925	177000	8350
Chromium		14.3	7.43	5.27	6.64	7.7	7.97
Cobalt		5.98	3.53	1.4	2.5	1.58 U	3.77
Copper		57.9 J	17.5 J	115 J	14.2 J	570 J	25.1 J
Iron		21300	12900	7980	12000	31600	12800
Lead		13	4.24	9.96	3.43	1200	5.55
Magnesium		4720	2410	5510	2040	5960	2610
Manganese		643 J	305 J	216 J	228 J	277 J	371 J
Mercury		0.0399 U	0.04 U	0.0362 U	0.0376 U	0.036 U	0.0412 U
Nickel		22.3	10.1	6.66	7.92	12.7	10.8
Potassium		737	436	524	631	486	566
Selenium		3.64	1.26	2.25	1.89	5.32	1.56
Silver		0.863 U	0.618 U	0.79 U	0.825 U	0.791 U	0.744 U
Sodium		45 J	35 J	57 J	56 J	78 J	36 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Thallium		1.07	0.618 U	0.6 J	0.825 U	0.56 J	0.744 U
Vanadium		19.5	13.7	8.2	11.4	15	14.4
Zinc		81.9 J	45.1 J	61.9 J	33.2 J	214 J	52.9 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Test : PCBs - SW 8082	**Units: µg/kg**						
Aroclor 1016		22.4 U	19.7 U	22.6 U	20.9 U	23.6 U	18.9 U
Aroclor 1221		44.9 U	39.4 U	45.1 U	41.8 U	47.1 U	37.7 U
Aroclor 1232		22.4 U	19.7 U	22.6 U	20.9 U	23.6 U	18.9 U
Aroclor 1242		22.4 U	19.7 U	22.6 U	20.9 U	23.6 U	18.9 U
Aroclor 1248		22.4 U	19.7 U	22.6 U	20.9 U	23.6 U	18.9 U
Aroclor 1254		22.4 U	19.7 U	22.6 U	20.9 U	23.6 U	18.9 U
Aroclor 1260		6.6 J	23.4	22.6 U	9.4 J	23.6 U	22.6
Test : PCBs - SW 8082 - Surrogates	**Units: %**						
Decachlorobiphenyl-s		88.7	96.7	83.7	84.3	78.6	93.5
Tetrachloro-m-xylene-s		90.2	90.8	89.7	95.4	82.1	90.8
Test : Percent Moisture - D2216	**Units: %**						
Percent Moisture		13.8 %	6.68 %	13.4 %	11.8 %	18.4 %	6.83 %
Test : Pesticides - SW 8081A	**Units: µg/kg**						
4,4'-DDD		3.4 UJ	1.97 U	2.26 U	1.8 J	2.36 U	3.77 U
4,4'-DDE		2.3 UJ	6.39	2.26 U	9.97	2.36 U	2.1 J
4,4'-DDT		4.49 U	4.28	2.26 U	4.18 U	2.36 U	1.7 J
Aldrin		2.24 U	0.89 J	1.13 U	1.3 J	1.18 U	1.89 U
alpha-BHC		2.24 U	0.986 U	1.13 U	10.1 J	1.18 U	1.89 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
alpha-Chlordane		2.24 U	0.986 U	1.13 U	2.09 U	1.18 U	1.89 U
beta-BHC		2.24 U	0.986 U	1.13 U	2.09 U	1.18 U	1.89 U
delta-BHC		2.24 U	0.986 U	1.13 U	1.6 J	1.18 U	1.89 U
Dieldrin		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endosulfan I		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endosulfan II		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endosulfan sulfate		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endrin		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endrin aldehyde		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endrin ketone		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
gamma-BHC		2.24 U	0.986 U	1.13 U	2.31	1.18 U	1.89 U
gamma-Chlordane		2.24 U	0.986 U	1.13 U	2.09 U	1.18 U	1.89 U
Heptachlor		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Heptachlor epoxide		4.49 U	9.03 J	2.26 U	0.98 J	2.36 U	3.77 U
Methoxychlor		22.4 U	9.86 U	11.3 U	20.9 U	11.8 U	18.9 U
Toxaphene		112 U	49.3 U	56.4 U	104 U	58.9 U	94.4 U
Test : Pesticides - SW 8081A - Surrogates			**Units: %**				
Decachlorobiphenyl-s		75.4	75.7	85.6	74.1	73	75.3
Tetrachloro-m-xylene-s		107.3	99.3	103.7	104.3	96.7	100.7

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Test : Semivolatiles - SW 8270C			**Units: µg/kg**				
1,2,4-Trichlorobenzene		350 U	349 U	358 U	373 U	373 U	331 U
1,2-Dichlorobenzene		350 U	349 U	358 U	373 U	373 U	331 U
1,3-Dichlorobenzene		350 U	349 U	358 U	373 U	373 U	331 U
1,4-Dichlorobenzene		350 U	349 U	358 U	373 U	373 U	331 U
2,4,5-Trichlorophenol		881 U	877 U	901 U	939 U	937 U	831 U
2,4,6-Trichlorophenol		350 U	349 U	358 U	373 U	373 U	331 U
2,4-Dichlorophenol		350 U	349 U	358 U	373 U	373 U	331 U
2,4-Dimethylphenol		350 U	349 U	358 U	373 U	373 U	331 U
2,4-Dinitrophenol		350 U	349 U	358 U	373 U	373 U	331 U
2,4-Dinitrotoluene		350 U	349 U	358 U	373 U	373 U	331 U
2,6-Dinitrotoluene		350 U	349 U	358 U	373 U	373 U	331 U
2-Chloronaphthalene		350 U	349 U	358 U	373 U	373 U	331 U
2-Chlorophenol		350 U	349 U	358 U	373 U	373 U	331 U
2-Methylnaphthalene		350 U	349 U	358 U	373 U	373 U	331 U
2-Methylphenol		350 U	349 U	358 U	373 U	373 U	331 U
2-Nitroaniline		881 U	877 U	901 U	939 U	937 U	831 U
2-Nitrophenol		350 U	349 U	358 U	373 U	373 U	331 U
3,3'-Dichlorobenzidine		701 U	697 U	717 U	746 U	745 U	661 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA,
PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Bis(2-chloroethyl)ether	350 U	349 U	358 U	373 U	373 U	331 U
Bis(2-chloroisopropyl)ether	350 U	349 U	358 U	373 U	373 U	331 U
Bis(2-ethylhexyl)phthalate	120 J	349 U	358 U	373 U	130 J	100 J
Butyl benzyl phthalate	350 U	349 U	358 U	373 U	180 J	331 U
Carbazole	350 U	349 U	358 U	373 U	373 U	331 U
Chrysene	350 U	57 J	358 U	320 J	373 U	63 J
Di-n-butyl phthalate	350 U	349 U	358 U	373 U	373 U	331 U
Di-n-octyl phthalate	350 U	349 U	358 U	373 U	373 U	331 U
Dibenz(a,h)anthracene	350 U	349 U	358 U	373 U	373 U	331 U
Dibenzofuran	350 U	349 U	358 U	373 U	373 U	331 U
Diethyl phthalate	350 U	349 U	358 U	373 U	373 U	331 U
Dimethyl phthalate	350 U	349 U	358 U	373 U	373 U	331 U
Fluoranthene	350 U	67 J	358 U	553	373 U	96 J
Fluorene	350 U	349 U	358 U	373 U	373 U	331 U
Hexachlorobenzene	350 U	349 U	358 U	373 U	373 U	331 U
Hexachlorobutadiene	350 U	349 U	358 U	373 U	373 U	331 U
Hexachlorocyclopentadiene	881 U	877 U	901 U	939 U	937 U	831 U
Hexachloroethane	350 U	349 U	358 U	373 U	373 U	331 U
Indeno(1,2,3-cd)pyrene	350 U	349 U	358 U	373 U	373 U	331 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Isophorone		350 U	349 U	358 U	373 U	373 U	331 U
N-Nitrosodi-n-propylamine		350 U	349 U	358 U	373 U	373 U	331 U
N-Nitrosodimethylamine		350 U	349 U	358 U	373 U	373 U	331 U
N-Nitrosodiphenylamine		350 U	349 U	358 U	373 U	373 U	331 U
Naphthalene		350 U	349 U	358 U	373 U	373 U	331 U
Nitrobenzene		350 U	349 U	358 U	373 U	373 U	331 U
Pentachlorophenol		881 U	877 U	901 U	939 U	937 U	831 U
Phenanthrene		350 U	349 U	358 U	463	373 U	40 J
Phenol		350 U	349 U	358 U	373 U	373 U	331 U
Pyrene		350 U	69 J	358 U	664	373 U	100 J
Test : Semivolatiles - SW 8270C - Surrogates			**Units: %**				
2,4,6-Tribromophenol-s		93.6	88.2	85.8	61.4	73.2	91.4
2-Fluorobiphenyl-s		62.2	71.6	70.8	65.8	61.3	67.9
2-Fluorophenol-s		84.7	82.1	107	84.5	78.4	72.9
Nitrobenzene-d5-s		61.1	66.8	70.1	63.5	61.3	56.9
Phenol-d5-s		77.7	75.4	94.5	79.6	70.4	67.8
Terphenyl-d14-s		60.6	77.5	68.8	77.5	69.4	89.6
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**				
Aluminum		6420	902	5940	816	8770	1380

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID:	G072-NS06-Z2/D	G072-NS07-Z1	G072-NS07-Z2	G072-NS08-Z1	G072-NS08-Z2	G072-NS09-Z1
	Sample Date:	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99
	Depth (ft):	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166
Antimony		0.7 J	4.58	0.931	6.93	1.21	59.3 U
Arsenic		3.81	2.14	3.59	3.32	4.49	29.6 U
Barium		25.3	6.3	19.9	9.25	52.5	16 J
Beryllium		0.27	0.043 U	0.24	0.042 U	0.456	29.6 U
Cadmium		0.385	0.379	0.28 J	0.876	0.36 J	29.6 U
Calcium		4940	231000	3000	274000	3270	98100
Chromium		6.89	3.59	6.84	3.54	9.96	59.3 U
Cobalt		3.18	0.4 U	3.15	0.49 U	4.13	5.9 J
Copper		20.8 J	82.1 J	32.1 J	417 J	23.1 J	377000 J
Iron		10500	3780	12400	3380	17200	3200
Lead		6.29	546	3.91	190	4.26	83.4
Magnesium		2080	7850	2630	6780	3310	2690
Manganese		301 J	70.1 J	304 J	84.4 J	499 J	225 J
Mercury		0.0383 U	0.0354 U	0.0381 U	0.0374 U	0.0404 U	0.0354 U
Nickel		9.57	4.75	10.4	5.61	26.6	7.5 J
Potassium		489	329	521	277	857	255
Selenium		1.15	1.86	1.32	1.79	1.65	59.3 U
Silver		0.763 U	0.595 U	0.628 U	0.603 U	0.776 U	8 J
Sodium		34 J	92.9	46 J	101	67 J	119 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Thallium		0.763 U	0.595 U	0.628 U	0.603 U	0.776 U	59.3 U
Vanadium		11.7	7.06	11.7	4.96	16.6	119 U
Zinc		52.4 J	86.6 J	34.6 J	188 J	41.4 J	741 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Test : PCBs - SW 8082	**Units: µg/kg**						
Aroclor 1016		22.6 U	22.1 U	24 U	21.6 U	22.7 U	22.2 U
Aroclor 1221		45.2 U	44.2 U	48 U	43.3 U	45.3 U	44.4 U
Aroclor 1232		22.6 U	22.1 U	24 U	21.6 U	22.7 U	22.2 U
Aroclor 1242		22.6 U	22.1 U	24 U	21.6 U	22.7 U	22.2 U
Aroclor 1248		22.6 U	22.1 U	24 U	21.6 U	22.7 U	22.2 U
Aroclor 1254		22.6 U	22.1 U	24 U	11 J	22.7 U	22.2 U
Aroclor 1260		22.6 U	11 J	24 U	16 J	22.7 U	22.2 U
Test : PCBs - SW 8082 - Surrogates	**Units: %**						
Decachlorobiphenyl-s		83.7	83.2	87.6	88	84.3	80.2
Tetrachloro-m-xylene-s		80.6	86.4	89.2	93.3	94.1	89.5
Test : Percent Moisture - D2216	**Units: %**						
Percent Moisture		13.7 %	11.9 %	19.8 %	8.08 %	12.8 %	13.1 %
Test : Pesticides - SW 8081A	**Units: µg/kg**						
4,4'-DDD		0.38 UJ	2.9 J	0.61 UJ	4.33 U	2.27 U	2.22 U
4,4'-DDE		0.79 UJ	5.8	1 UJ	4.46	2.27 U	2.22 U
4,4'-DDT		2.26 U	19.5	2.4 U	6.61	2.27 U	2.22 U
Aldrin		1.13 U	2.21 U	1.2 U	1.4 J	1.13 U	1.11 U
alpha-BHC		1.13 U	2.21 U	1.2 U	2.16 U	1.13 U	1.11 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID / Sample Date / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
alpha-Chlordane	1.13 U	2.37	1.2 U	2.16 U	1.13 U	1.11 U
beta-BHC	1.13 U	2.21 U	1.2 U	0.86 J	1.13 U	1.11 U
delta-BHC	1.13 U	2.21 U	1.2 U	2.16 U	1.13 U	1.11 U
Dieldrin	2.26 U	4.42 U	2.4 U	4.33 U	2.27 U	2.22 U
Endosulfan I	2.26 U	4.42 U	2.4 U	1.7 J	2.27 U	2.22 U
Endosulfan II	2.26 U	4.42 U	2.4 U	4.33 U	2.27 U	2.22 U
Endosulfan sulfate	2.26 U	4.42 U	2.4 U	4.33 U	2.27 U	2.22 U
Endrin	2.26 U	4.42 U	2.4 U	4.33 U	2.27 U	2.22 U
Endrin aldehyde	2.26 U	4.42 U	2.4 U	1.6 J	2.27 U	2.22 U
Endrin ketone	2.26 U	4.42 U	2.4 U	4.82	2.27 U	2.22 U
gamma-BHC	1.13 U	2.21 U	1.2 U	2.16 U	1.13 U	1.11 U
gamma-Chlordane	1.13 U	5.39	1.2 U	1.8 J	1.13 U	1.11 U
Heptachlor	2.26 U	4.42 U	2.4 U	4.33 U	2.27 U	2.22 U
Heptachlor epoxide	2.26 U	4.42 U	2.4 U	11.1	2.27 U	2.22 U
Methoxychlor	11.3 U	22.1 U	12 U	12 J	11.3 U	11.1 U
Toxaphene	56.6 U	110 U	59.9 U	108 U	56.7 U	55.4 U
Test : Pesticides - SW 8081A - Surrogates			**Units: %**			
Decachlorobiphenyl-s	76.8	65.2	80.4	397.8	88.3	86.7
Tetrachloro-m-xylene-s	97.2	108.2	105.6	86.6	88	88.7

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Test : Semivolatiles - SW 8270C	**Units: µg/kg**						
1,2,4-Trichlorobenzene		361 U	354 U	398 U	350 U	371 U	375 U
1,2-Dichlorobenzene		361 U	354 U	398 U	350 U	371 U	375 U
1,3-Dichlorobenzene		361 U	354 U	398 U	350 U	371 U	375 U
1,4-Dichlorobenzene		361 U	354 U	398 U	350 U	371 U	375 U
2,4,5-Trichlorophenol		907 U	891 U	1000 U	880 U	933 U	942 U
2,4,6-Trichlorophenol		361 U	354 U	398 U	350 U	371 U	375 U
2,4-Dichlorophenol		361 U	354 U	398 U	350 U	371 U	375 U
2,4-Dimethylphenol		361 U	354 U	398 U	350 U	371 U	375 U
2,4-Dinitrophenol		361 U	354 U	398 U	350 U	371 U	375 U
2,4-Dinitrotoluene		361 U	354 U	398 U	350 U	371 U	375 U
2,6-Dinitrotoluene		361 U	354 U	398 U	350 U	371 U	375 U
2-Chloronaphthalene		361 U	354 U	398 U	350 U	371 U	375 U
2-Chlorophenol		361 U	354 U	398 U	350 U	371 U	375 U
2-Methylnaphthalene		361 U	354 U	398 U	350 U	371 U	375 U
2-Methylphenol		361 U	354 U	398 U	350 U	371 U	375 U
2-Nitroaniline		907 U	891 U	1000 U	880 U	933 U	942 U
2-Nitrophenol		361 U	354 U	398 U	350 U	371 U	375 U
3,3'-Dichlorobenzidine		721 U	708 U	796 U	700 U	742 U	749 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
3-Nitroaniline	907 U	891 U	1000 U	880 U	933 U	942 U
4,6-Dinitro-2-methylphenol	907 U	891 U	1000 U	880 U	933 U	942 U
4-Bromophenyl phenyl ether	361 U	354 U	398 U	350 U	371 U	375 U
4-Chloro-3-methylphenol	361 U	354 U	398 U	350 U	371 U	375 U
4-Chloroaniline	361 U	354 U	398 U	350 U	371 U	375 U
4-Chlorophenyl phenyl ether	361 U	354 U	398 U	350 U	371 U	375 U
4-Nitroaniline	907 U	891 U	1000 U	880 U	933 U	942 U
4-Nitrophenol	907 U	891 U	1000 U	880 U	933 U	942 U
Acenaphthene	361 U	354 U	398 U	350 U	371 U	375 U
Acenaphthylene	361 U	354 U	398 U	79 J	371 U	375 U
Anthracene	361 U	354 U	398 U	98 J	371 U	375 U
Benz(a)anthracene	361 U	354 U	398 U	330 J	371 U	375 U
Benzo(a)pyrene	361 U	96 J	398 U	310 J	371 U	375 U
Benzo(b)fluoranthene	361 U	140 J	398 U	419	371 U	375 U
Benzo(g,h,i)perylene	361 U	354 U	398 U	110 J	371 U	375 U
Benzo(k)fluoranthene	361 U	130 J	398 U	462	371 U	375 U
Benzoic acid	907 U	891 U	1000 U	880 U	933 U	942 U
Benzyl alcohol	361 U	354 U	398 U	350 U	371 U	375 U
Bis(2-chloroethoxy)methane	361 U	354 U	398 U	350 U	371 U	375 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Bis(2-chloroethyl)ether		361 U	354 U	398 U	350 U	371 U	375 U
Bis(2-chloroisopropyl)ether		361 U	354 U	398 U	350 U	371 U	375 U
Bis(2-ethylhexyl)phthalate		688	86 J	140 J	350 U	140 J	375 U
Butyl benzyl phthalate		361 U	354 U	398 U	350 U	371 U	375 U
Carbazole		361 U	354 U	398 U	61 J	371 U	375 U
Chrysene		361 U	150 J	398 U	451	371 U	375 U
Di-n-butyl phthalate		361 U	354 U	398 U	350 U	371 U	375 U
Di-n-octyl phthalate		361 U	354 U	398 U	350 U	371 U	375 U
Dibenz(a,h)anthracene		361 U	354 U	398 U	70 J	371 U	375 U
Dibenzofuran		361 U	354 U	398 U	350 U	371 U	375 U
Diethyl phthalate		361 U	354 U	398 U	350 U	371 U	375 U
Dimethyl phthalate		361 U	354 U	398 U	350 U	371 U	375 U
Fluoranthene		361 U	210 J	398 U	545	371 U	375 U
Fluorene		361 U	354 U	398 U	350 U	371 U	375 U
Hexachlorobenzene		361 U	354 U	398 U	350 U	371 U	375 U
Hexachlorobutadiene		361 U	354 U	398 U	350 U	371 U	375 U
Hexachlorocyclopentadiene		907 U	891 U	1000 U	880 U	933 U	942 U
Hexachloroethane		361 U	354 U	398 U	350 U	371 U	375 U
Indeno(1,2,3-cd)pyrene		361 U	354 U	398 U	97 J	371 U	375 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Isophorone	361 U	354 U	398 U	350 U	371 U	375 U
N-Nitrosodi-n-propylamine	361 U	354 U	398 U	350 U	371 U	375 U
N-Nitrosodimethylamine	361 U	354 U	398 U	350 U	371 U	375 U
N-Nitrosodiphenylamine	361 U	354 U	398 U	350 U	371 U	375 U
Naphthalene	361 U	354 U	398 U	350 U	371 U	375 U
Nitrobenzene	361 U	354 U	398 U	350 U	371 U	375 U
Pentachlorophenol	907 U	891 U	1000 U	880 U	933 U	942 U
Phenanthrene	361 U	65 J	398 U	230 J	371 U	375 U
Phenol	361 U	354 U	398 U	350 U	371 U	375 U
Pyrene	361 U	210 J	398 U	684	371 U	375 U
Test : Semivolatiles - SW 8270C - Surrogates		**Units: %**				
2,4,6-Tribromophenol-s	76.6	79	78.4	57	63.3	63.7
2-Fluorobiphenyl-s	60.4	70.9	70.7	58.4	63	53.6
2-Fluorophenol-s	72.1	87.9	88.9	69.5	72.5	65
Nitrobenzene-d5-s	56.3	69	69.5	61.8	68.7	54.5
Phenol-d5-s	64.9	79.4	78.2	71.1	72.4	69.3
Terphenyl-d14-s	68.1	76.9	66.9	64.6	56	54.8
Test : TAL Metals - SW6010B/7471A/7470A		**Units: mg/kg**				
Aluminum	6690	955	8560	1120	10000	9110

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Antimony		1.45	2.17	1.25 U	3.68	1.42	0.857
Arsenic		3.49	2.96	5.07	2.52	5.1	2.62
Barium		35.9	9.81	59.6	7.75	50.7	51.7
Beryllium		0.28	0.035 U	0.41	0.075 UJ	0.547	0.392
Cadmium		0.525	0.365	0.59 J	0.596	0.38 J	0.24 UJ
Calcium		7890	260000	11600	293000	1440	1920
Chromium		8.32	6.46	9.57	4.31	11.3	10.5
Cobalt		3.07	0.54 U	3.44	0.43 J	3.98	3.22
Copper		27.2 J	356 J	45.3 J	503 J	24.2 J	15.5 J
Iron		13900	3810	16300	2920	19800	13100
Lead		5.01	30.9	8.18	321	3.54	3
Magnesium		2760	7300	3140	6440	3130	2740
Manganese		437 J	109 J	792 J	68.6 J	421 J	455 J
Mercury		0.0382 U	0.0375 U	0.0411 U	0.0359 U	0.0378 U	0.038 U
Nickel		9.37	5.71	16.8	4.66	13.8	12.7
Potassium		453	244	728	526	1170	618
Selenium		1.55	2.19	4.13	2.6	2.78	1.15
Silver		0.594 U	0.653	1.25 U	0.601 U	0.802 U	0.738 U
Sodium		47 J	93	186	87.9	44 J	42 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Thallium		0.44 J	0.634 U	0.83 J	0.601 U	0.802 U	0.738 U
Vanadium		13.1	5.44	15.8	5.77	20.9	14.4
Zinc		54.6 J	84 J	482 J	63.8 J	38.8 J	34 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/7/99 0 - 0.166	G072-NS12-Z2 7/7/99 2 - 4	G072-NS13-Z1 7/7/99 0 - 0.166	G072-NS13-Z2 7/7/99 2 - 4	G072-NS14-Z1 7/7/99 0 - 0.166	G072-NS14-Z2 7/7/99 2 - 4
Test : PCBs - SW 8082	**Units: µg/kg**						
Aroclor 1016		48.7 U	21.3 U	21.7 U	20.3 U	21.6 U	20.6 U
Aroclor 1221		97.4 U	42.7 U	43.3 U	40.5 U	43.1 U	41.2 U
Aroclor 1232		48.7 U	21.3 U	21.7 U	20.3 U	21.6 U	20.6 U
Aroclor 1242		48.7 U	21.3 U	21.7 U	20.3 U	21.6 U	20.6 U
Aroclor 1248		48.7 U	21.3 U	21.7 U	20.3 U	21.6 U	20.6 U
Aroclor 1254		48.7 U	21.3 U	21.7 U	20.3 U	21.6 U	20.6 U
Aroclor 1260		10 J	21.3 U	47.1	20.3 U	21.6 U	20.6 U
Test : PCBs - SW 8082 - Surrogates	**Units: %**						
Decachlorobiphenyl-s		90.7	85.6	84	86.6	94.3	66.6
Tetrachloro-m-xylene-s		95.7	90.7	94.4	96.1	98.7	90.6
Test : Percent Moisture - D2216	**Units: %**						
Percent Moisture		25 %	11.1 %	17.8 %	12 %	13.8 %	13.5 %
Test : Pesticides - SW 8081A	**Units: µg/kg**						
4,4'-DDD		243 U	6.5 UJ	21.7 U	2.03 U	9.96	2.06 U
4,4'-DDE		243 U	4.1 UJ	21.7 U	2.03 U	1.8 J	2.06 U
4,4'-DDT		243 U	10.7 U	5.2 J	2.03 U	4.3 J	2.06 U
Aldrin		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
alpha-BHC		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
alpha-Chlordane		629	5.33 U	10.8 U	1.01 U	5.82	1.03 U
beta-BHC		122 U	5.33 U	10.8 U	1.01 U	6.11	1.03 U
delta-BHC		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
Dieldrin		243 U	10.7 U	14 J	2.03 U	4.31 U	2.06 U
Endosulfan I		243 U	10.7 U	21.7 U	2.03 U	4.31 U	2.06 U
Endosulfan II		243 U	10.7 U	21.7 U	2.03 U	12	2.06 U
Endosulfan sulfate		243 U	10.7 U	21.7 U	2.03 U	4.31 U	2.06 U
Endrin		243 U	10.7 U	21.7 U	2.03 U	4.31 U	2.06 U
Endrin aldehyde		243 U	10.7 U	21.7 U	2.03 U	4.31 U	2.06 U
Endrin ketone		230 J	4 J	21.7 U	2.03 U	4.31 U	2.06 U
gamma-BHC		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
gamma-Chlordane		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
Heptachlor		243 U	10.7 U	21.7 U	2.03 U	4.31 U	2.06 U
Heptachlor epoxide		230 J	4.6 J	8.5 J	2.03 U	12.8	2.06 U
Methoxychlor		590 J	9.6 J	108 U	10.1 U	5.6 J	10.3 U
Toxaphene		6080 U	267 U	542 U	50.6 U	108 U	51.5 U
Test : Pesticides - SW 8081A - Surrogates				**Units: %**			
Decachlorobiphenyl-s		2184.4	269	91.6	74.6	96.4	89.1
Tetrachloro-m-xylene-s		66.5	89	106.5	92.9	89.4	93.8

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/7/99 0 - 0.166	G072-NS12-Z2 7/7/99 2 - 4	G072-NS13-Z1 7/7/99 0 - 0.166	G072-NS13-Z2 7/7/99 2 - 4	G072-NS14-Z1 7/7/99 0 - 0.166	G072-NS14-Z2 7/7/99 2 - 4
Test : Semivolatiles - SW 8270C			**Units: µg/kg**				
1,2,4-Trichlorobenzene		4320 U	366 U	397 U	363 U	374 U	351 U
1,2-Dichlorobenzene		4320 U	366 U	397 U	363 U	374 U	351 U
1,3-Dichlorobenzene		4320 U	366 U	397 U	363 U	374 U	351 U
1,4-Dichlorobenzene		4320 U	366 U	397 U	363 U	374 U	351 U
2,4,5-Trichlorophenol		10900 U	920 U	998 U	914 U	941 U	882 U
2,4,6-Trichlorophenol		4320 U	366 U	397 U	363 U	374 U	351 U
2,4-Dichlorophenol		4320 U	366 U	397 U	363 U	374 U	351 U
2,4-Dimethylphenol		4320 U	366 U	397 U	363 U	374 U	351 U
2,4-Dinitrophenol		4320 U	366 U	397 U	363 U	374 U	351 U
2,4-Dinitrotoluene		4320 U	366 U	397 U	363 U	374 U	351 U
2,6-Dinitrotoluene		4320 U	366 U	397 U	363 U	374 U	351 U
2-Chloronaphthalene		4320 U	366 U	397 U	363 U	374 U	351 U
2-Chlorophenol		4320 U	366 U	397 U	363 U	374 U	351 U
2-Methylnaphthalene		830 J	366 U	397 U	363 U	374 U	351 U
2-Methylphenol		4320 U	366 U	397 U	363 U	374 U	351 U
2-Nitroaniline		10900 U	920 U	998 U	914 U	941 U	882 U
2-Nitrophenol		4320 U	366 U	397 U	363 U	374 U	351 U
3,3'-Dichlorobenzidine		8640 UJ	732 U	793 UJ	727 U	748 U	701 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
3-Nitroaniline		10900 U	920 U	998 U	914 U	941 U	882 U
4,6-Dinitro-2-methylphenol		10900 U	920 U	998 U	914 U	941 U	882 U
4-Bromophenyl phenyl ether		4320 U	366 U	397 U	363 U	374 U	351 U
4-Chloro-3-methylphenol		4320 U	366 U	397 U	363 U	374 U	351 U
4-Chloroaniline		4320 U	366 U	397 U	363 U	374 U	351 U
4-Chlorophenyl phenyl ether		4320 U	366 U	397 U	363 U	374 U	351 U
4-Nitroaniline		10900 U	920 U	998 U	914 U	941 U	882 U
4-Nitrophenol		10900 U	920 U	998 U	914 U	941 U	882 U
Acenaphthene		4320 U	366 U	397 U	363 U	374 U	351 U
Acenaphthylene		18000	260 J	220 J	363 U	100 J	351 U
Anthracene		13000 J	160 J	130 J	363 U	48 J	351 U
Benz(a)anthracene		48400	655	560 J	363 U	210 J	351 U
Benzo(a)pyrene		39800	547	536 J	363 U	200 J	351 U
Benzo(b)fluoranthene		49000	565	657 J	363 U	250 J	351 U
Benzo(g,h,i)perylene		8400 J	170 J	170 J	363 U	62 J	351 U
Benzo(k)fluoranthene		47000	633	752 J	363 U	320 J	351 U
Benzoic acid		10900 U	920 U	998 U	914 U	941 U	882 U
Benzyl alcohol		4320 U	366 U	397 U	363 U	374 U	351 U
Bis(2-chloroethoxy)methane		4320 U	366 U	397 U	363 U	374 U	351 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
Bis(2-chloroethyl)ether		4320 U	366 U	397 U	363 U	374 U	351 U
Bis(2-chloroisopropyl)ether		4320 U	366 U	397 U	363 U	374 U	351 U
Bis(2-ethylhexyl)phthalate		4320 UJ	467	397 UJ	942	65 J	351 U
Butyl benzyl phthalate		4320 UJ	366 U	397 UJ	363 U	374 U	351 U
Carbazole		2300 J	366 U	397 U	363 U	374 U	351 U
Chrysene		45000	625	579 J	363 U	280 J	351 U
Di-n-butyl phthalate		4320 U	366 U	397 U	363 U	374 U	351 U
Di-n-octyl phthalate		4320 UJ	366 U	397 UJ	363 U	374 U	351 U
Dibenz(a,h)anthracene		6500 J	110 J	99 J	363 U	374 U	351 U
Dibenzofuran		1500 J	366 U	397 U	363 U	374 U	351 U
Diethyl phthalate		4320 U	366 U	397 U	363 U	374 U	351 U
Dimethyl phthalate		4320 U	366 U	397 U	363 U	374 U	351 U
Fluoranthene		48900	1010	722	363 U	414	351 U
Fluorene		4200 J	41 J	46 J	363 U	374 U	351 U
Hexachlorobenzene		4320 U	366 U	397 U	363 U	374 U	351 U
Hexachlorobutadiene		4320 U	366 U	397 U	363 U	374 U	351 U
Hexachlorocyclopentadiene		10900 U	920 U	998 U	914 U	941 U	882 U
Hexachloroethane		4320 U	366 U	397 U	363 U	374 U	351 U
Indeno(1,2,3-cd)pyrene		8400 J	200 J	62 J	363 U	374 U	351 U

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
Isophorone		4320 U	366 U	397 U	363 U	374 U	351 U
N-Nitrosodi-n-propylamine		4320 U	366 U	397 U	363 U	374 U	351 U
N-Nitrosodimethylamine		4320 U	366 U	397 U	363 U	374 U	351 U
N-Nitrosodiphenylamine		4320 U	366 U	397 U	363 U	374 U	351 U
Naphthalene		1100 J	366 U	397 U	363 U	374 U	351 U
Nitrobenzene		4320 U	366 U	397 U	363 U	374 U	351 U
Pentachlorophenol		10900 U	920 U	998 U	914 U	941 U	882 U
Phenanthrene		29700	414	380 J	363 U	140 J	351 U
Phenol		4320 U	366 U	397 U	363 U	374 U	351 U
Pyrene		69100	1030	1510	363 U	480	351 U
Test : Semivolatiles - SW 8270C - Surrogates		**Units: %**					
2,4,6-Tribromophenol-s		89.4	57.1	72.7	70.2	62.4	73.7
2-Fluorobiphenyl-s		90.5	59.8	65.7	54.8	59.6	58.6
2-Fluorophenol-s		73.6	69.6	74.3	61.1	65.3	70
Nitrobenzene-d5-s		75.6	60.8	77.8	55.3	60.3	76
Phenol-d5-s		83.8	73.7	84.6	63.7	69.2	77.2
Terphenyl-d14-s		238.2	61.4	115.3	62	64.6	51.5
Test : TAL Metals - SW6010B/7471A/7470A		**Units: mg/kg**					
Aluminum		4070	5960	2370	5590	1200	8940

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
Antimony		5.7	1.59	0.57 J	0.66	1.99	1.16
Arsenic		7.14	3.36	3.01	3.37	3.07	5.43
Barium		51.5	19.3	26	16	11.1	46.4
Beryllium		0.21 J	0.24 J	0.095 UJ	0.2 J	0.057 UJ	0.478
Cadmium		1.14	0.349	0.469	0.381	0.513	0.42
Calcium		108000	26200	208000	60300	287000	2110
Chromium		11.9	7.55	6.42	7.27	4.5	10.7
Cobalt		1.5 J	2.38	0.86 J	2.2	0.39 J	4.56
Copper		309 J	44.4 J	304 J	18.9 J	960 J	23.5 J
Iron		13800	12400	5530	10100	3650	18200
Lead		94.5	6.86	31.8	4.04	41.2	3.98
Magnesium		4580	3510	6610	3720	7880	3030
Manganese		304 J	572 J	132 J	368 J	90.3 J	707 J
Mercury		0.0723	0.0371 U	0.0401 U	0.0375 U	0.0383 U	0.0382 U
Nickel		15.2	9.88	7.75	8.33	5.29	13.9
Potassium		663	732	626	698	464	986
Selenium		3.7	2.52	2.53	2.19	2.52	1.8
Silver		0.839 U	0.625 U	0.8 U	0.614 U	0.648 U	0.718 U
Sodium		83.9 U	24 J	71 J	32 J	119	49 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
Thallium		0.56 J	0.47 J	0.52 J	0.614 U	0.648 U	0.62 J
Tin		NA	0 U	NA	NA	NA	NA
Titanium		NA	0 U	NA	NA	NA	NA
Vanadium		16.8	12.2	7.89	11.2	5.58	19.3
Zinc		126 J	44.3 J	63.5 J	33.9 J	156 J	42.9 J

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Test : PCBs - SW 8082			**Units: µg/kg**				
Aroclor 1016		23.6 U	23.3 U				
Aroclor 1221		47.2 U	46.5 U				
Aroclor 1232		23.6 U	23.3 U				
Aroclor 1242		23.6 U	23.3 U				
Aroclor 1248		23.6 U	23.3 U				
Aroclor 1254		23.6 U	23.3 U				
Aroclor 1260		48	23.3 U				
Test : PCBs - SW 8082 - Surrogates			**Units: %**				
Decachlorobiphenyl-s		100.5	71.4				
Tetrachloro-m-xylene-s		78.4	87.1				
Test : Percent Moisture - D2216			**Units: %**				
Percent Moisture		16.5 %	18.4 %				
Test : Pesticides - SW 8081A			**Units: µg/kg**				
4,4´-DDD		47.2 U	0.47 UJ				
4,4´-DDE		47.2 U	2.33 U				
4,4´-DDT		47.2 U	2.33 U				
Aldrin		23.6 U	1.16 U				
alpha-BHC		23.6 U	1.16 U				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: G072-NS15-Z1 Sample Date: 7/7/99 Depth (ft): 0 - 0.166	Sample ID: G072-NS15-Z2 Sample Date: 7/7/99 Depth (ft): 2 - 4				
alpha-Chlordane	23.6 U	1.16 U				
beta-BHC	23.6 U	1.16 U				
delta-BHC	23.6 U	1.16 U				
Dieldrin	59.7	2.33 U				
Endosulfan I	47.2 U	2.33 U				
Endosulfan II	47.2 U	2.33 U				
Endosulfan sulfate	47.2 U	2.33 U				
Endrin	47.2 U	2.33 U				
Endrin aldehyde	47.2 U	2.33 U				
Endrin ketone	22 J	2.33 U				
gamma-BHC	23.6 U	1.16 U				
gamma-Chlordane	23.6 U	1.16 U				
Heptachlor	47.2 U	2.33 U				
Heptachlor epoxide	21 J	2.33 U				
Methoxychlor	57 J	11.6 U				
Toxaphene	1180 U	58.2 U				
Test : Pesticides - SW 8081A - Surrogates		**Units: %**				
Decachlorobiphenyl-s	969.2	76.8				
Tetrachloro-m-xylene-s	91.6	88.6				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Test : Semivolatiles - SW 8270C			**Units: µg/kg**				
1,2,4-Trichlorobenzene		1150 U	392 U				
1,2-Dichlorobenzene		1150 U	392 U				
1,3-Dichlorobenzene		1150 U	392 U				
1,4-Dichlorobenzene		1150 U	392 U				
2,4,5-Trichlorophenol		2900 U	985 U				
2,4,6-Trichlorophenol		1150 U	392 U				
2,4-Dichlorophenol		1150 U	392 U				
2,4-Dimethylphenol		1150 U	392 U				
2,4-Dinitrophenol		1150 U	392 U				
2,4-Dinitrotoluene		1150 U	392 U				
2,6-Dinitrotoluene		1150 U	392 U				
2-Chloronaphthalene		1150 U	392 U				
2-Chlorophenol		1150 U	392 U				
2-Methylnaphthalene		1150 U	392 U				
2-Methylphenol		1150 U	392 U				
2-Nitroaniline		2900 U	985 U				
2-Nitrophenol		1150 U	392 U				
3,3'-Dichlorobenzidine		2300 U	783 U				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: G072-NS15-Z1 Sample Date: 7/7/99 Depth (ft): 0 - 0.166	Sample ID: G072-NS15-Z2 Sample Date: 7/7/99 Depth (ft): 2 - 4				
3-Nitroaniline	2900 U	985 U				
4,6-Dinitro-2-methylphenol	2900 U	985 U				
4-Bromophenyl phenyl ether	1150 U	392 U				
4-Chloro-3-methylphenol	1150 U	392 U				
4-Chloroaniline	1150 U	392 U				
4-Chlorophenyl phenyl ether	1150 U	392 U				
4-Nitroaniline	2900 U	985 U				
4-Nitrophenol	2900 U	985 U				
Acenaphthene	1150 U	392 U				
Acenaphthylene	840 J	392 U				
Anthracene	520 J	392 U				
Benz(a)anthracene	2040	392 U				
Benzo(a)pyrene	1740	392 U				
Benzo(b)fluoranthene	2010	392 U				
Benzo(g,h,i)perylene	350 J	392 U				
Benzo(k)fluoranthene	2520	392 U				
Benzoic acid	2900 U	985 U				
Benzyl alcohol	1150 U	392 U				
Bis(2-chloroethoxy)methane	1150 U	392 U				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: G072-NS15-Z1 Sample Date: 7/7/99 Depth (ft): 0 - 0.166	Sample ID: G072-NS15-Z2 Sample Date: 7/7/99 Depth (ft): 2 - 4				
Bis(2-chloroethyl)ether	1150 U	392 U				
Bis(2-chloroisopropyl)ether	1150 U	392 U				
Bis(2-ethylhexyl)phthalate	1150 U	190 J				
Butyl benzyl phthalate	1150 U	392 U				
Carbazole	1150 U	392 U				
Chrysene	2000	392 U				
Di-n-butyl phthalate	1150 U	392 U				
Di-n-octyl phthalate	1150 U	392 U				
Dibenz(a,h)anthracene	250 J	392 U				
Dibenzofuran	1150 U	392 U				
Diethyl phthalate	1150 U	392 U				
Dimethyl phthalate	1150 U	392 U				
Fluoranthene	3000	392 U				
Fluorene	140 J	392 U				
Hexachlorobenzene	1150 U	392 U				
Hexachlorobutadiene	1150 U	392 U				
Hexachlorocyclopentadiene	2900 U	985 U				
Hexachloroethane	1150 U	392 U				
Indeno(1,2,3-cd)pyrene	230 J	392 U				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Isophorone		1150 U	392 U				
N-Nitrosodi-n-propylamine		1150 U	392 U				
N-Nitrosodimethylamine		1150 U	392 U				
N-Nitrosodiphenylamine		1150 U	392 U				
Naphthalene		1150 U	392 U				
Nitrobenzene		1150 U	392 U				
Pentachlorophenol		2900 U	985 U				
Phenanthrene		1400	392 U				
Phenol		1150 U	392 U				
Pyrene		3720	392 U				
Test : Semivolatiles - SW 8270C - Surrogates			**Units: %**				
2,4,6-Tribromophenol-s		94	62.4				
2-Fluorobiphenyl-s		89.2	54				
2-Fluorophenol-s		70.2	62				
Nitrobenzene-d5-s		70	52.7				
Phenol-d5-s		87.8	67.5				
Terphenyl-d14-s		133.4	54.5				
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**				
Aluminum		2990	9450				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Antimony		0.52 J	1.1 J				
Arsenic		2.54	5.41				
Barium		16.3	36.1				
Beryllium		0.087 UJ	0.39 J				
Cadmium		0.436	0.45 J				
Calcium		204000	10900				
Chromium		7.2	10.3				
Cobalt		0.9 J	5.1				
Copper		216 J	26.1 J				
Iron		5040	15900				
Lead		24.1	7.49				
Magnesium		5290	3050				
Manganese		180 J	329 J				
Mercury		0.0395 U	0.0404 U				
Nickel		9.68	11.3				
Potassium		504	992				
Selenium		2.27	2.92				
Silver		0.721 U	1.23 U				
Sodium		73.8	123 U				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA,
PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Thallium		0.721 U	1.23 U				
Vanadium		7.7	18.6				
Zinc		74.2 J	59.4 J				

Source: Ecology and Environment, Inc., August, 1999

Table 3.6-3
COMPLETE ANALYTICAL DATA SUMMARY FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Key:

Qualifiers:

J	Estimated
U	Not detected
UJ	Not detected; estimated detection limit reported

Surrogate Limits:

Analysis	Media	Surrogates	Recovery Range
PCBs by Method 8082	soil	Decachlorobiphenyl-s	39 - 135%
		Tetrachloro-m-xylene-s	47 - 140%
Pesticides by Method 8081A		Decachlorobiphenyl-s	39 - 135%
		Tetrachloro-m-xylene-s	47 - 140%
Semivolatile Organics by Method 8270C		2,4,6-Tribromophenol-s	32 - 130%
		2-Fluorobiphenyl-s	27 -123%
		2-Fluorophenol-s	36 - 135%
		Nitrobenzene-d5-s	25 - 122%
		Phenol-d5-s	36 - 128%
		Terphenyl-d14-s	51 - 116%

Units:

mg/L = milligrams per liter
mg/kg = milligrams per kilogram
µg/L = micrograms per liter
µg/kg = micrograms per kilogram

Test and Sample Information:

PAH = Polyaromatic hydrocarbons
PCBs = Polychlorinated biphenyls
TAL = Target analyte list
/D = Duplicate sample

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Test : PCBs - SW 8082				**Units: µg/kg**			
Aroclor 1254		22.8 U	138 U	20.3 U	22.8 U	19.9 U	22.7 U
Aroclor 1260		8.7 J	138 U	7.5 J	22.8 U	13 J	22.7 U
Test : Pesticides - SW 8081A				**Units: µg/kg**			
4,4'-DDD		11.4 U	230 J	40.6 U	6.13 U	3.99 U	2.2 U
4,4'-DDE		6.4 J	692 U	14 J	4.71 U	8.06	0.86 UJ
4,4'-DDT		8.1 J	2020	6.6 J	2.28 U	3.6 J	11.3
Aldrin		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
alpha-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
alpha-Chlordane		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
beta-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
delta-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
Dieldrin		2.1 J	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endosulfan I		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endosulfan II		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endrin aldehyde		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Endrin ketone		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
gamma-BHC		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U
gamma-Chlordane		5.7 U	346 U	20.3 U	1.14 U	1.99 U	1.1 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Heptachlor epoxide		11.4 U	692 U	40.6 U	2.28 U	3.99 U	2.2 U
Methoxychlor		57 U	3460 U	203 U	11.4 U	5.4 J	11 U
Test : Semivolatiles - SW 8270C				**Units: µg/kg**			
2-Methylnaphthalene		392 U	455 U	343 U	370 U	319 U	371 U
Acenaphthylene		392 U	455 U	343 U	370 U	38 J	371 U
Anthracene		392 U	455 U	343 U	370 U	49 J	371 U
Benz(a)anthracene		91 J	120 J	343 U	370 U	190 J	371 U
Benzo(a)pyrene		99 J	140 J	343 UJ	370 U	140 J	371 U
Benzo(b)fluoranthene		140 J	180 J	343 UJ	370 U	170 J	371 U
Benzo(g,h,i)perylene		392 UJ	455 UJ	343 UJ	370 U	319 UJ	371 U
Benzo(k)fluoranthene		120 J	160 J	343 UJ	370 U	210 J	371 U
Bis(2-ethylhexyl)phthalate		664	230 J	343 U	250 J	66 J	476
Butyl benzyl phthalate		170 J	455 U	160 J	370 U	319 U	371 U
Carbazole		392 U	455 U	343 U	370 U	319 U	371 U
Chrysene		120 J	190 J	50 J	370 U	240 J	371 U
Dibenz(a,h)anthracene		392 UJ	455 UJ	343 UJ	370 U	319 U	371 U
Dibenzofuran		392 U	455 U	343 U	370 U	319 U	371 U
Fluoranthene		200 J	260 J	62 J	370 U	407	371 U
Fluorene		392 U	455 U	343 U	370 U	319 U	371 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Indeno(1,2,3-cd)pyrene	392 U	455 U	343 U	370 U	319 U	371 U
Naphthalene	392 U	455 U	343 U	370 U	319 U	371 U
Phenanthrene	130 J	180 J	343 U	370 U	290 J	371 U
Pyrene	260 J	370 J	73 J	370 U	455	371 U
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**			
Aluminum	6910	8420	1070	7770	1120	4420
Antimony	316	21.4	152	4.76	74.8	3.06
Arsenic	5.76	7.06	3.03	3.82	2.68	2.26
Barium	48.7	41.4	23.7	30.5	20.4	14.2
Beryllium	0.33 J	0.45 J	0.542 U	0.35	0.033 J	0.15 J
Cadmium	1.53	0.945	0.719	0.4 J	0.317	0.21 J
Calcium	35100	7460	273000	7110	251000	28400
Chromium	12.1	8.55	3.92	8.02	3.73	5.41
Cobalt	3.78	4.7	0.75 J	2.43	0.91 J	2.15
Copper	68.3 J	36.4 J	168 J	25.6 J	363 J	22.9 J
Iron	14400	12600	3530	14300	3380	9420
Lead	30	16.3	13.8	7.22	16.3	2.58
Magnesium	3960	2770	9440	2020	4570	3160
Manganese	436 J	290 J	124 J	454 J	228 J	319 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS01-Z1 7/6/99 0 - 0.166	G072-NS01-Z2 7/6/99 2 - 4	G072-NS02-Z1 7/6/99 0 - 0.166	G072-NS02-Z2 7/6/99 2 - 4	G072-NS03-Z1 7/6/99 0 - 0.166	G072-NS03-Z2 7/6/99 2 - 4
Mercury		0.041 U	0.0473 U	0.0358 U	0.0392 U	0.0343 U	0.0393 U
Nickel		15.6	10.8	5.13	9.89	4.46	7.68
Potassium		850	531	360	560	251	529
Selenium		2.53	1.68	1.94	2.16	1.01	1.32
Silver		0.824 U	1.05 U	1.08 U	0.873 U	0.566 U	0.902 U
Sodium		82.4 U	105 U	108 U	38 J	56.6 U	90.2 U
Thallium		1.03	1.05 U	1.08 U	0.76 J	0.599	0.88 J
Vanadium		18.3	15.3	4.53	17.7	4.22	8.74
Zinc		415 J	104 J	71.2 J	48.5 J	62.4 J	28.2 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Test : PCBs - SW 8082				**Units: µg/kg**			
Aroclor 1254		22.8 U	22.2 U	21 U	20.5 U	19.9 U	23.9 U
Aroclor 1260		22.8 U	19 J	5.9 J	20.5 U	21.1	6.7 J
Test : Pesticides - SW 8081A				**Units: µg/kg**			
4,4'-DDD		2.28 U	3.13 U	2.1 U	2.05 U	2.9 J	4.3 UJ
4,4'-DDE		0.88 J	1.5 UJ	1.9 J	2.05 U	29.1	3.5 UJ
4,4'-DDT		0.49 J	2.22 U	1.1 J	2.05 U	56.5	11.9 U
Aldrin		1.14 U	1.11 U	0.4 UJ	1.02	1.7 J	5.97 U
alpha-BHC		1.14 U	1.11 U	1.05 U	1.02 U	1.99 U	5.97 U
alpha-Chlordane		1.14 U	1.11 U	1.05 U	1.02 U	1.99 U	5.97 U
beta-BHC		1.14 U	1.11 U	1.05 U	1.02 U	1.99 U	5.97 U
delta-BHC		1.14 U	1.11 U	1.05 U	1.02 U	1.99 U	5.97 U
Dieldrin		2.28 U	2.22 U	2.1 U	2.05 U	3.99 U	11.9 U
Endosulfan I		2.28 U	2.22 U	2.1 U	2.05 U	3.99 U	11.9 U
Endosulfan II		2.28 U	2.22 U	2.1 U	2.05 U	3.99 U	11.9 U
Endrin aldehyde		2.28 U	2.22 U	2.1 U	2.05 U	3.99 U	11.9 U
Endrin ketone		2.28 U	2.22 U	2.1 U	2.05 U	3.99 U	11.9 U
gamma-BHC		1.14 U	1.11 U	1.05 U	1.02 U	1.99 U	5.97 U
gamma-Chlordane		1.14 U	1.11 U	1.05 U	1.02 U	1.99 U	5.97 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Heptachlor epoxide		2.28 U	2.22 U	4.88 J	2.05 U	1.3 J	11.9 U
Methoxychlor		11.4 U	11.1 U	10.5 U	10.2 U	19.9 U	59.7 U
Test :	**Semivolatiles - SW 8270C**			**Units:**	**µg/kg**		
2-Methylnaphthalene		380 U	397 U	335 U	351 U	350 U	404 U
Acenaphthylene		380 U	397 U	335 U	351 U	350 U	404 U
Anthracene		380 U	397 U	335 U	351 U	350 U	404 U
Benz(a)anthracene		380 U	397 U	335 U	351 U	49 J	404 U
Benzo(a)pyrene		380 U	397 U	335 UJ	351 U	54 J	404 U
Benzo(b)fluoranthene		380 U	397 U	335 UJ	351 U	78 J	404 U
Benzo(g,h,i)perylene		380 U	397 U	335 UJ	351 U	350 UJ	404 U
Benzo(k)fluoranthene		380 U	397 U	335 UJ	351 U	86 J	404 U
Bis(2-ethylhexyl)phthalate		380 U	130 J	335 U	130 J	110 J	150 J
Butyl benzyl phthalate		380 U	397 U	335 U	351 U	350 UJ	404 U
Carbazole		380 U	397 U	335 U	351 U	350 U	404 U
Chrysene		380 U	397 U	46 J	351 U	78 J	404 U
Dibenz(a,h)anthracene		380 U	397 U	335 UJ	351 U	350 UJ	404 U
Dibenzofuran		380 U	397 U	335 U	351 U	350 U	404 U
Fluoranthene		42 J	397 U	66 J	351 U	95 J	404 U
Fluorene		380 U	397 U	335 U	351 U	350 U	404 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Indeno(1,2,3-cd)pyrene	380 U	397 U	335 U	351 U	350 UJ	404 U
Naphthalene	380 U	397 U	335 U	351 U	350 U	404 U
Phenanthrene	380 U	397 U	34 J	351 U	58 J	404 U
Pyrene	39 J	397 U	77 J	351 U	150 J	404 U
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**			
Aluminum	8480	7430	3610	5750	2350	7200
Antimony	1.28	1	5.53	0.885	20.5	1.1
Arsenic	5.35	2.38	2.99	2.32	4.27	4.14
Barium	63.2	35.2	31.2	28.8	29.2	26.5
Beryllium	0.5	0.31	0.14	0.26	0.042 U	0.28
Cadmium	0.729	0.415	0.675	0.29 J	2.27	0.393
Calcium	5590	527	166000	925	177000	8350
Chromium	14.3	7.43	5.27	6.64	7.7	7.97
Cobalt	5.98	3.53	1.4	2.5	1.58 U	3.77
Copper	57.9 J	17.5 J	115 J	14.2 J	570 J	25.1 J
Iron	21300	12900	7980	12000	31600	12800
Lead	13	4.24	9.96	3.43	1200	5.55
Magnesium	4720	2410	5510	2040	5960	2610
Manganese	643 J	305 J	216 J	228 J	277 J	371 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS04-Z1 7/6/99 0 - 0.166	G072-NS04-Z2 7/6/99 2 - 4	G072-NS05-Z1 7/6/99 0 - 0.166	G072-NS05-Z2 7/6/99 2 - 4	G072-NS06-Z1 7/6/99 0 - 0.166	G072-NS06-Z2 7/6/99 2 - 4
Mercury		0.0399 U	0.04 U	0.0362 U	0.0376 U	0.036 U	0.0412 U
Nickel		22.3	10.1	6.66	7.92	12.7	10.8
Potassium		737	436	524	631	486	566
Selenium		3.64	1.26	2.25	1.89	5.32	1.56
Silver		0.863 U	0.618 U	0.79 U	0.825 U	0.791 U	0.744 U
Sodium		45 J	35 J	57 J	56 J	78 J	36 J
Thallium		1.07	0.618 U	0.6 J	0.825 U	0.56 J	0.744 U
Vanadium		19.5	13.7	8.2	11.4	15	14.4
Zinc		81.9 J	45.1 J	61.9 J	33.2 J	214 J	52.9 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Test : PCBs - SW 8082				**Units: µg/kg**			
Aroclor 1254		22.4 U	19.7 U	22.6 U	20.9 U	23.6 U	18.9 U
Aroclor 1260		6.6 J	23.4	22.6 U	9.4 J	23.6 U	22.6
Test : Pesticides - SW 8081A				**Units: µg/kg**			
4,4'-DDD		3.4 UJ	1.97 U	2.26 U	1.8 J	2.36 U	3.77 U
4,4'-DDE		2.3 UJ	6.39	2.26 U	9.97	2.36 U	2.1 J
4,4'-DDT		4.49 U	4.28	2.26 U	4.18 U	2.36 U	1.7 J
Aldrin		2.24 U	0.89 J	1.13 U	1.3 J	1.18 U	1.89 U
alpha-BHC		2.24 U	0.986 U	1.13 U	10.1 J	1.18 U	1.89 U
alpha-Chlordane		2.24 U	0.986 U	1.13 U	2.09 U	1.18 U	1.89 U
beta-BHC		2.24 U	0.986 U	1.13 U	2.09 U	1.18 U	1.89 U
delta-BHC		2.24 U	0.986 U	1.13 U	1.6 J	1.18 U	1.89 U
Dieldrin		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endosulfan I		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endosulfan II		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endrin aldehyde		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
Endrin ketone		4.49 U	1.97 U	2.26 U	4.18 U	2.36 U	3.77 U
gamma-BHC		2.24 U	0.986 U	1.13 U	2.31	1.18 U	1.89 U
gamma-Chlordane		2.24 U	0.986 U	1.13 U	2.09 U	1.18 U	1.89 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Heptachlor epoxide	4.49 U	9.03 J	2.26 U	0.98 J	2.36 U	3.77 U
Methoxychlor	22.4 U	9.86 U	11.3 U	20.9 U	11.8 U	18.9 U
Test : Semivolatiles - SW 8270C			**Units: µg/kg**			
2-Methylnaphthalene	350 U	349 U	358 U	373 U	373 U	331 U
Acenaphthylene	350 U	349 U	358 U	55 J	373 U	331 U
Anthracene	350 U	349 U	358 U	56 J	373 U	331 U
Benz(a)anthracene	350 U	349 U	358 U	220 J	373 U	331 U
Benzo(a)pyrene	350 U	349 U	358 U	170 J	373 U	45 J
Benzo(b)fluoranthene	350 U	349 U	358 U	240 J	373 U	54 J
Benzo(g,h,i)perylene	350 U	349 U	358 U	64 J	373 U	331 U
Benzo(k)fluoranthene	350 U	349 U	358 U	230 J	373 U	62 J
Bis(2-ethylhexyl)phthalate	120 J	349 U	358 U	373 U	130 J	100 J
Butyl benzyl phthalate	350 U	349 U	358 U	373 U	180 J	331 U
Carbazole	350 U	349 U	358 U	373 U	373 U	331 U
Chrysene	350 U	57 J	358 U	320 J	373 U	63 J
Dibenz(a,h)anthracene	350 U	349 U	358 U	373 U	373 U	331 U
Dibenzofuran	350 U	349 U	358 U	373 U	373 U	331 U
Fluoranthene	350 U	67 J	358 U	553	373 U	96 J
Fluorene	350 U	349 U	358 U	373 U	373 U	331 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Indeno(1,2,3-cd)pyrene	350 U	349 U	358 U	373 U	373 U	331 U
Naphthalene	350 U	349 U	358 U	373 U	373 U	331 U
Phenanthrene	350 U	349 U	358 U	463	373 U	40 J
Pyrene	350 U	69 J	358 U	664	373 U	100 J
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**			
Aluminum	6420	902	5940	816	8770	1380
Antimony	0.7 J	4.58	0.931	6.93	1.21	59.3 U
Arsenic	3.81	2.14	3.59	3.32	4.49	29.6 U
Barium	25.3	6.3	19.9	9.25	52.5	16 J
Beryllium	0.27	0.043 U	0.24	0.042 U	0.456	29.6 U
Cadmium	0.385	0.379	0.28 J	0.876	0.36 J	29.6 U
Calcium	4940	231000	3000	274000	3270	98100
Chromium	6.89	3.59	6.84	3.54	9.96	59.3 U
Cobalt	3.18	0.4 U	3.15	0.49 U	4.13	5.9 J
Copper	20.8 J	82.1 J	32.1 J	417 J	23.1 J	377000 J
Iron	10500	3780	12400	3380	17200	3200
Lead	6.29	546	3.91	190	4.26	83.4
Magnesium	2080	7850	2630	6780	3310	2690
Manganese	301 J	70.1 J	304 J	84.4 J	499 J	225 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS06-Z2/D 7/6/99 2 - 4	G072-NS07-Z1 7/6/99 0 - 0.166	G072-NS07-Z2 7/6/99 2 - 4	G072-NS08-Z1 7/6/99 0 - 0.166	G072-NS08-Z2 7/6/99 2 - 4	G072-NS09-Z1 7/6/99 0 - 0.166
Mercury	0.0383 U	0.0354 U	0.0381 U	0.0374 U	0.0404 U	0.0354 U
Nickel	9.57	4.75	10.4	5.61	26.6	7.5 J
Potassium	489	329	521	277	857	255
Selenium	1.15	1.86	1.32	1.79	1.65	59.3 U
Silver	0.763 U	0.595 U	0.628 U	0.603 U	0.776 U	8 J
Sodium	34 J	92.9	46 J	101	67 J	119 U
Thallium	0.763 U	0.595 U	0.628 U	0.603 U	0.776 U	59.3 U
Vanadium	11.7	7.06	11.7	4.96	16.6	119 U
Zinc	52.4 J	86.6 J	34.6 J	188 J	41.4 J	741 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Test : PCBs - SW 8082				**Units: µg/kg**			
Aroclor 1254		22.6 U	22.1 U	24 U	11 J	22.7 U	22.2 U
Aroclor 1260		22.6 U	11 J	24 U	16 J	22.7 U	22.2 U
Test : Pesticides - SW 8081A				**Units: µg/kg**			
4,4´-DDD		0.38 UJ	2.9 J	0.61 UJ	4.33 U	2.27 U	2.22 U
4,4´-DDE		0.79 UJ	5.8	1 UJ	4.46	2.27 U	2.22 U
4,4´-DDT		2.26 U	19.5	2.4 U	6.61	2.27 U	2.22 U
Aldrin		1.13 U	2.21 U	1.2 U	1.4 J	1.13 U	1.11 U
alpha-BHC		1.13 U	2.21 U	1.2 U	2.16 U	1.13 U	1.11 U
alpha-Chlordane		1.13 U	2.37	1.2 U	2.16 U	1.13 U	1.11 U
beta-BHC		1.13 U	2.21 U	1.2 U	0.86 J	1.13 U	1.11 U
delta-BHC		1.13 U	2.21 U	1.2 U	2.16 U	1.13 U	1.11 U
Dieldrin		2.26 U	4.42 U	2.4 U	4.33 U	2.27 U	2.22 U
Endosulfan I		2.26 U	4.42 U	2.4 U	1.7 J	2.27 U	2.22 U
Endosulfan II		2.26 U	4.42 U	2.4 U	4.33 U	2.27 U	2.22 U
Endrin aldehyde		2.26 U	4.42 U	2.4 U	1.6 J	2.27 U	2.22 U
Endrin ketone		2.26 U	4.42 U	2.4 U	4.82	2.27 U	2.22 U
gamma-BHC		1.13 U	2.21 U	1.2 U	2.16 U	1.13 U	1.11 U
gamma-Chlordane		1.13 U	5.39	1.2 U	1.8 J	1.13 U	1.11 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Heptachlor epoxide		2.26 U	4.42 U	2.4 U	11.1	2.27 U	2.22 U
Methoxychlor		11.3 U	22.1 U	12 U	12 J	11.3 U	11.1 U
Test : Semivolatiles - SW 8270C				**Units: µg/kg**			
2-Methylnaphthalene		361 U	354 U	398 U	350 U	371 U	375 U
Acenaphthylene		361 U	354 U	398 U	79 J	371 U	375 U
Anthracene		361 U	354 U	398 U	98 J	371 U	375 U
Benz(a)anthracene		361 U	354 U	398 U	330 J	371 U	375 U
Benzo(a)pyrene		361 U	96 J	398 U	310 J	371 U	375 U
Benzo(b)fluoranthene		361 U	140 J	398 U	419	371 U	375 U
Benzo(g,h,i)perylene		361 U	354 U	398 U	110 J	371 U	375 U
Benzo(k)fluoranthene		361 U	130 J	398 U	462	371 U	375 U
Bis(2-ethylhexyl)phthalate		688	86 J	140 J	350 U	140 J	375 U
Butyl benzyl phthalate		361 U	354 U	398 U	350 U	371 U	375 U
Carbazole		361 U	354 U	398 U	61 J	371 U	375 U
Chrysene		361 U	150 J	398 U	451	371 U	375 U
Dibenz(a,h)anthracene		361 U	354 U	398 U	70 J	371 U	375 U
Dibenzofuran		361 U	354 U	398 U	350 U	371 U	375 U
Fluoranthene		361 U	210 J	398 U	545	371 U	375 U
Fluorene		361 U	354 U	398 U	350 U	371 U	375 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID / Sample Date / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Indeno(1,2,3-cd)pyrene	361 U	354 U	398 U	97 J	371 U	375 U
Naphthalene	361 U	354 U	398 U	350 U	371 U	375 U
Phenanthrene	361 U	65 J	398 U	230 J	371 U	375 U
Pyrene	361 U	210 J	398 U	684	371 U	375 U
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**			
Aluminum	6690	955	8560	1120	10000	9110
Antimony	1.45	2.17	1.25 U	3.68	1.42	0.857
Arsenic	3.49	2.96	5.07	2.52	5.1	2.62
Barium	35.9	9.81	59.6	7.75	50.7	51.7
Beryllium	0.28	0.035 U	0.41	0.075 UJ	0.547	0.392
Cadmium	0.525	0.365	0.59 J	0.596	0.38 J	0.24 UJ
Calcium	7890	260000	11600	293000	1440	1920
Chromium	8.32	6.46	9.57	4.31	11.3	10.5
Cobalt	3.07	0.54 U	3.44	0.43 J	3.98	3.22
Copper	27.2 J	356 J	45.3 J	503 J	24.2 J	15.5 J
Iron	13900	3810	16300	2920	19800	13100
Lead	5.01	30.9	8.18	321	3.54	3
Magnesium	2760	7300	3140	6440	3130	2740
Manganese	437 J	109 J	792 J	68.6 J	421 J	455 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS09-Z2 7/6/99 2 - 4	G072-NS10-Z1 7/6/99 0 - 0.166	G072-NS10-Z2 7/6/99 2 - 4	G072-NS11-Z1 7/7/99 0 - 0.166	G072-NS11-Z2 7/7/99 2 - 4	G072-NS11-Z2/D 7/7/99 2 - 4
Mercury	0.0382 U	0.0375 U	0.0411 U	0.0359 U	0.0378 U	0.038 U
Nickel	9.37	5.71	16.8	4.66	13.8	12.7
Potassium	453	244	728	526	1170	618
Selenium	1.55	2.19	4.13	2.6	2.78	1.15
Silver	0.594 U	0.653	1.25 U	0.601 U	0.802 U	0.738 U
Sodium	47 J	93	186	87.9	44 J	42 J
Thallium	0.44 J	0.634 U	0.83 J	0.601 U	0.802 U	0.738 U
Vanadium	13.1	5.44	15.8	5.77	20.9	14.4
Zinc	54.6 J	84 J	482 J	63.8 J	38.8 J	34 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
Test : PCBs - SW 8082				**Units: µg/kg**			
Aroclor 1254		48.7 U	21.3 U	21.7 U	20.3 U	21.6 U	20.6 U
Aroclor 1260		10 J	21.3 U	47.1	20.3 U	21.6 U	20.6 U
Test : Pesticides - SW 8081A				**Units: µg/kg**			
4,4'-DDD		243 U	6.5 UJ	21.7 U	2.03 U	9.96	2.06 U
4,4'-DDE		243 U	4.1 UJ	21.7 U	2.03 U	1.8 J	2.06 U
4,4'-DDT		243 U	10.7 U	5.2 J	2.03 U	4.3 J	2.06 U
Aldrin		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
alpha-BHC		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
alpha-Chlordane		629	5.33 U	10.8 U	1.01 U	5.82	1.03 U
beta-BHC		122 U	5.33 U	10.8 U	1.01 U	6.11	1.03 U
delta-BHC		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
Dieldrin		243 U	10.7 U	14 J	2.03 U	4.31 U	2.06 U
Endosulfan I		243 U	10.7 U	21.7 U	2.03 U	4.31 U	2.06 U
Endosulfan II		243 U	10.7 U	21.7 U	2.03 U	12	2.06 U
Endrin aldehyde		243 U	10.7 U	21.7 U	2.03 U	4.31 U	2.06 U
Endrin ketone		230 J	4 J	21.7 U	2.03 U	4.31 U	2.06 U
gamma-BHC		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U
gamma-Chlordane		122 U	5.33 U	10.8 U	1.01 U	2.16 U	1.03 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID / Sample Date / Depth (ft)	G072-NS12-Z1 7/7/99 0 - 0.166	G072-NS12-Z2 7/7/99 2 - 4	G072-NS13-Z1 7/7/99 0 - 0.166	G072-NS13-Z2 7/7/99 2 - 4	G072-NS14-Z1 7/7/99 0 - 0.166	G072-NS14-Z2 7/7/99 2 - 4
Heptachlor epoxide	230 J	4.6 J	8.5 J	2.03 U	12.8	2.06 U
Methoxychlor	590 J	9.6 J	108 U	10.1 U	5.6 J	10.3 U
Test : Semivolatiles - SW 8270C			**Units: µg/kg**			
2-Methylnaphthalene	830 J	366 U	397 U	363 U	374 U	351 U
Acenaphthylene	18000	260 J	220 J	363 U	100 J	351 U
Anthracene	13000 J	160 J	130 J	363 U	48 J	351 U
Benz(a)anthracene	48400	655	560 J	363 U	210 J	351 U
Benzo(a)pyrene	39800	547	536 J	363 U	200 J	351 U
Benzo(b)fluoranthene	49000	565	657 J	363 U	250 J	351 U
Benzo(g,h,i)perylene	8400 J	170 J	170 J	363 U	62 J	351 U
Benzo(k)fluoranthene	47000	633	752 J	363 U	320 J	351 U
Bis(2-ethylhexyl)phthalate	4320 UJ	467	397 UJ	942	65 J	351 U
Butyl benzyl phthalate	4320 UJ	366 U	397 UJ	363 U	374 U	351 U
Carbazole	2300 J	366 U	397 U	363 U	374 U	351 U
Chrysene	45000	625	579 J	363 U	280 J	351 U
Dibenz(a,h)anthracene	6500 J	110 J	99 J	363 U	374 U	351 U
Dibenzofuran	1500 J	366 U	397 U	363 U	374 U	351 U
Fluoranthene	48900	1010	722	363 U	414	351 U
Fluorene	4200 J	41 J	46 J	363 U	374 U	351 U

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID / Sample Date / Depth (ft):	G072-NS12-Z1 7/7/99 0 - 0.166	G072-NS12-Z2 7/7/99 2 - 4	G072-NS13-Z1 7/7/99 0 - 0.166	G072-NS13-Z2 7/7/99 2 - 4	G072-NS14-Z1 7/7/99 0 - 0.166	G072-NS14-Z2 7/7/99 2 - 4
Indeno(1,2,3-cd)pyrene	8400 J	200 J	62 J	363 U	374 U	351 U
Naphthalene	1100 J	366 U	397 U	363 U	374 U	351 U
Phenanthrene	29700	414	380 J	363 U	140 J	351 U
Pyrene	69100	1030	1510	363 U	480	351 U
Test : TAL Metals - SW6010B/7471A/7470A			**Units: mg/kg**			
Aluminum	4070	5960	2370	5590	1200	8940
Antimony	5.7	1.59	0.57 J	0.66	1.99	1.16
Arsenic	7.14	3.36	3.01	3.37	3.07	5.43
Barium	51.5	19.3	26	16	11.1	46.4
Beryllium	0.21 J	0.24 J	0.095 UJ	0.2 J	0.057 UJ	0.478
Cadmium	1.14	0.349	0.469	0.381	0.513	0.42
Calcium	108000	26200	208000	60300	287000	2110
Chromium	11.9	7.55	6.42	7.27	4.5	10.7
Cobalt	1.5 J	2.38	0.86 J	2.2	0.39 J	4.56
Copper	309 J	44.4 J	304 J	18.9 J	960 J	23.5 J
Iron	13800	12400	5530	10100	3650	18200
Lead	94.5	6.86	31.8	4.04	41.2	3.98
Magnesium	4580	3510	6610	3720	7880	3030
Manganese	304 J	572 J	132 J	368 J	90.3 J	707 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS12-Z1 7/1/99 0 - 0.166	G072-NS12-Z2 7/1/99 2 - 4	G072-NS13-Z1 7/1/99 0 - 0.166	G072-NS13-Z2 7/1/99 2 - 4	G072-NS14-Z1 7/1/99 0 - 0.166	G072-NS14-Z2 7/1/99 2 - 4
Mercury	0.0723	0.0371 U	0.0401 U	0.0375 U	0.0383 U	0.0382 U
Nickel	15.2	9.88	7.75	8.33	5.29	13.9
Potassium	663	732	626	698	464	986
Selenium	3.7	2.52	2.53	2.19	2.52	1.8
Silver	0.839 U	0.625 U	0.8 U	0.614 U	0.648 U	0.718 U
Sodium	83.9 U	24 J	71 J	32 J	119	49 J
Thallium	0.56 J	0.47 J	0.52 J	0.614 U	0.648 U	0.62 J
Vanadium	16.8	12.2	7.89	11.2	5.58	19.3
Zinc	126 J	44.3 J	63.5 J	33.9 J	156 J	42.9 J

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Test : PCBs - SW 8082				**Units: µg/kg**			
Aroclor 1254		23.6 U	23.3 U				
Aroclor 1260		48	23.3 U				
Test : Pesticides - SW 8081A				**Units: µg/kg**			
4,4'-DDD		47.2 U	0.47 UJ				
4,4'-DDE		47.2 U	2.33 U				
4,4'-DDT		47.2 U	2.33 U				
Aldrin		23.6 U	1.16 U				
alpha-BHC		23.6 U	1.16 U				
alpha-Chlordane		23.6 U	1.16 U				
beta-BHC		23.6 U	1.16 U				
delta-BHC		23.6 U	1.16 U				
Dieldrin		59.7	2.33 U				
Endosulfan I		47.2 U	2.33 U				
Endosulfan II		47.2 U	2.33 U				
Endrin aldehyde		47.2 U	2.33 U				
Endrin ketone		22 J	2.33 U				
gamma-BHC		23.6 U	1.16 U				
gamma-Chlordane		23.6 U	1.16 U				

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER / Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Heptachlor epoxide	21 J	2.33 U				
Methoxychlor	57 J	11.6 U				
Test : Semivolatiles - SW 8270C			**Units: µg/kg**			
2-Methylnaphthalene	1150 U	392 U				
Acenaphthylene	840 J	392 U				
Anthracene	520 J	392 U				
Benz(a)anthracene	2040	392 U				
Benzo(a)pyrene	1740	392 U				
Benzo(b)fluoranthene	2010	392 U				
Benzo(g,h,i)perylene	350 J	392 U				
Benzo(k)fluoranthene	2520	392 U				
Bis(2-ethylhexyl)phthalate	1150 U	190 J				
Butyl benzyl phthalate	1150 U	392 U				
Carbazole	1150 U	392 U				
Chrysene	2000	392 U				
Dibenz(a,h)anthracene	250 J	392 U				
Dibenzofuran	1150 U	392 U				
Fluoranthene	3000	392 U				
Fluorene	140 J	392 U				

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/1/99 0 - 0.166	G072-NS15-Z2 7/1/99 2 - 4				
Indeno(1,2,3-cd)pyrene		230 J	392 U				
Naphthalene		1150 U	392 U				
Phenanthrene		1400	392 U				
Pyrene		3720	392 U				
Test : TAL Metals - SW6010B/7471A/7470A				**Units: mg/kg**			
Aluminum		2990	9450				
Antimony		0.52 J	1.1 J				
Arsenic		2.54	5.41				
Barium		16.3	36.1				
Beryllium		0.087 UJ	0.39 J				
Cadmium		0.436	0.45 J				
Calcium		204000	10900				
Chromium		7.2	10.3				
Cobalt		0.9 J	5.1				
Copper		216 J	26.1 J				
Iron		5040	15900				
Lead		24.1	7.49				
Magnesium		5290	3050				
Manganese		180 J	329 J				

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

PARAMETER	Sample ID: / Sample Date: / Depth (ft):	G072-NS15-Z1 7/7/99 0 - 0.166	G072-NS15-Z2 7/7/99 2 - 4				
Mercury		0.0395 U	0.0404 U				
Nickel		9.68	11.3				
Potassium		504	992				
Selenium		2.27	2.92				
Silver		0.721 U	1.23 U				
Sodium		73.8	123 U				
Thallium		0.721 U	1.23 U				
Vanadium		7.7	18.6				
Zinc		74.2 J	59.4 J				

Source: Ecology and Environment, Inc., August 1999

Table 3.6-4
ANALYTICAL DATA SUMMARY OF POSITIVE HITS FOR THE SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA, PARCEL F9 INVESTIGATION, FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Key:

Qualifiers:

J	Estimated
U	Not detected
UJ	Not detected; estimated detection limit reported

Units:

mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram

Test and Sample Information:

PAH = Polyaromatic hydrocarbons
PCBs = Polychlorinated biphenyls
TAL = Target analyte list
/D = Duplicate sample

Source: Ecology and Environment, Inc., August 1999

Table 3.6-5
Field Duplicate Results for Parcel F9 Sampling Investigation
Area of Interest (AOI) 72

Test Method	Analyte	Unit	PQL	G072-NS11-Z2	G072-NS11 Z2/D	RPD	RPD Rating
ASTM_D2216	Percent Moisture	wt%	0.1	12.8	13.1	1.5%	Good
SW6010B	Aluminum	mg/Kg	8.02	10000	9110	6.3%	Good
SW6010B	Antimony	mg/Kg	0.8	1.42	0.857	35.9%	Good
SW6010B	Arsenic	mg/Kg	0.4	5.1	2.62	48.0%	Good
SW6010B	Barium	mg/Kg	1.6	50.7	51.7	1.3%	Good
SW6010B	Beryllium	mg/Kg	0.4	0.547	0.392	23.3%	Good
SW6010B	Cadmium	mg/Kg	0.4	0.38	0.24	32.6%	Good
SW6010B	Calcium	mg/Kg	40.1	1440	1920	18.2%	Good
SW6010B	Chromium	mg/Kg	0.8	11.3	10.5	5.0%	Good
SW6010B	Cobalt	mg/Kg	1.6	3.98	3.22	14.6%	Good
SW6010B	Copper	mg/Kg	1.6	24.2	15.5	31.5%	Good
SW6010B	Iron	mg/Kg	4.01	19800	13100	29.1%	Good
SW6010B	Lead	mg/Kg	0.4	3.54	3	11.3%	Good
SW6010B	Magnesium	mg/Kg	40.1	3130	2740	9.1%	Good
SW6010B	Manganese	mg/Kg	0.8	421	455	5.1%	Good
SW6010B	Nickel	mg/Kg	1.6	13.8	12.7	5.6%	Good
SW6010B	Potassium	mg/Kg	80.2	1170	618	45.9%	Good
SW6010B	Selenium	mg/Kg	0.8	2.78	1.15	64.2%	Good
SW6010B	Sodium	mg/Kg	80.2	44	42	3.1%	Good
SW6010B	Vanadium	mg/Kg	1.6	20.9	14.4	26.2%	Good
SW6010B	Zinc	mg/Kg	0.8	38.8	34	9.0%	Good
SW8270C	Bis(2-ethylhexyl)phthalate	µg/Kg	371	140	ND	NA	

Table 3.6-5
Field Duplicate Results for Parcel F9 Sampling Investigation
Area of Interest (AOI) 72

Test Method	Analyte	Unit	PQL	G072-NS06-Z2	G072-NS06 Z2/D	RPD	RPD Rating
ASTM_D2216	Percent Moisture	wt%	0.1	20	13.8	26.1%	Good
SW6010B	Aluminum	mg/Kg	7.63	7200	6420	7.8%	Good
SW6010B	Antimony	mg/Kg	0.76	1.1	0.7	32.0%	Good
SW6010B	Arsenic	mg/Kg	0.38	4.14	3.81	5.6%	Good
SW6010B	Barium	mg/Kg	1.53	26.5	25.3	3.1%	Good
SW6010B	Beryllium	mg/Kg	0.38	0.28	0.27	2.4%	Good
SW6010B	Cadmium	mg/Kg	0.38	0.393	0.385	1.4%	Good
SW6010B	Calcium	mg/Kg	38.2	8350	4940	37.4%	Good
SW6010B	Chromium	mg/Kg	0.76	7.97	6.89	9.9%	Good
SW6010B	Cobalt	mg/Kg	1.53	3.77	3.18	11.6%	Good
SW6010B	Copper	mg/Kg	1.53	25.1	20.8	12.9%	Good
SW6010B	Iron	mg/Kg	3.82	12800	10500	13.6%	Good
SW6010B	Lead	mg/Kg	0.38	5.55	6.29	8.2%	Good
SW6010B	Magnesium	mg/Kg	38.2	2610	2080	15.7%	Good
SW6010B	Manganese	mg/Kg	0.76	371	301	14.4%	Good
SW6010B	Nickel	mg/Kg	1.53	10.8	9.57	8.2%	Good
SW6010B	Potassium	mg/Kg	76.3	566	489	10.0%	Good
SW6010B	Selenium	mg/Kg	0.76	1.56	1.15	21.2%	Good
SW6010B	Sodium	mg/Kg	76.3	36	34	3.8%	Good
SW6010B	Vanadium	mg/Kg	1.53	14.4	11.7	14.3%	Good
SW6010B	Zinc	mg/Kg	0.76	52.9	52.4	0.6%	Good
SW8081A	4,4´-DDD	µg/Kg	11.9	4.3	3.4	16.2%	Good
SW8081A	4,4´-DDE	µg/Kg	11.9	3.5	2.3	29.6%	Good
SW8082	Aroclor 1260	µg/Kg	23.9	6.7	6.6	1.0%	Good
SW8270C	Bis(2-ethylhexyl)phthalate	µg/Kg	404	150	120	15.4%	Good

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Parameter / Sample ID:	G072-NS01-Z1	G072-NS01-Z2	G072-NS02-Z1	G072-NS02-Z2	G072-NS03-Z1	G072-NS03-Z2	G072-NS04-Z1	G072-NS04-Z2	G072-NS05-Z1
Sample Date:	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99
Depth (ft):	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166
Test: Semivolatile SW 8270C - Units: µg/Kg									
Anthracene, 1-methyl-	ND	ND	ND	ND	1626 (1)	ND	ND	ND	ND
Anthracene, 2-methyl-	ND	ND	ND	ND	159 (1)	ND	ND	ND	ND
Benz(a)anthracene, 1-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene, 10-methyl-	ND	ND	ND	ND	145 (1)	ND	ND	ND	ND
Benz(a)anthracene, 12-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene, 7-ethyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(e)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 1-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 2-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 3-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 6-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclic octaatomic sulfur	ND	ND	ND	ND	ND	ND	ND	ND	ND
Docosanolide	452 (1)	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene, 2-methyl-	ND	ND	ND	ND	156 (1)	ND	ND	ND	ND
PCB Isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 2,5-dimethyl-	ND	ND	ND	ND	138 (1)	ND	ND	ND	ND
Phenanthrene, 2-phenyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 3-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 9-methyl-	ND	ND	ND	ND	96.5 (1)	ND	ND	ND	ND
Prometon	ND	ND	2978 (1)	ND	111 (1)	ND	ND	ND	299 (1)
Pyrene, 1,3-dimethyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND

Source: Ecology and Environment, Inc. August 1999

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Parameter	Sample ID:	G072-NS01-Z1	G072-NS01-Z2	G072-NS02-Z1	G072-NS02-Z2	G072-NS03-Z1	G072-NS03-Z2	G072-NS04-Z1	G072-NS04-Z2	G072-NS05-Z1
	Sample Date:	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99
	Depth (ft):	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166
Test: Semivolatile SW 8270C Units: µg/Kg										
Pyrene, 1-methyl-		ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene, 2-methyl-		ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene, 4-methyl-		ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown		366 (6)	658 (13)	145 (2)	1925 (3)	87.2 (4)	ND	76.5 (6)	260 (1)	91.8 (2)
Unknown (7)		ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Acidic Hydrocarbon		1715 (10)	8201 (3)	467 (4)	822 (1)	1699 (5)	422 (1)	715.4 (2)	137 (3)	274 (8)
Unknown Alcohol Compouna		5395 (1)	ND	924 (1)	235 (1)	ND	ND	ND	1249 (1)	1212.1 (1)
Unknown Hydrocarbon		ND	1515 (1)	ND	189 (1)	ND	ND	ND	ND	ND
Unknown Oxygenated Compouna		246 (2)	424 (2)	82.9 (7)	144 (3)	1171 (3)	269 (1)	ND	321 (3)	138 (2)
Unknown PAH		535 (2)	1607 (2)	ND	1107 (2)	330.1 (6)	ND	ND	454 (1)	216.9 (1)
Unknown Saturated Cyclic Hydrocarbon		ND	ND	ND	ND	ND	ND	344.5 (1)	177 (2)	303 (2)
Unknown Saturated Hydrocarbon		ND	1395 (3)	1104.1 (12)	321 (6)	1489 (1)	ND	160 (2)	449 (2)	637 (8)
Unknown Unsaturated Cyclic Hydrocarbon		ND	1108 (1)	ND	ND	153 (1)	ND	ND	ND	ND
Unknown Unsaturated Hydrocarbon		ND	817 (3)	ND	ND	971 (1)	ND	ND	479 (1)	ND

Key:

µg/Kg = Micrograms per kilogram

ND = No TICs Detected

PAH = Polynuclear Aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

Note:

(1) This table lists all TIC concentrations not present in the blank or common laboratory artifacts

(2) All TIC concentrations are estimated and appear as "Sum of Concentration (Frequency of Detection)"

Source: Ecology and Environment, Inc. August 1999

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Sample ID:	G072-NS05-Z2	G072-NS06-Z1	G072-NS06-Z2	G072-NS06-Z2/D	G072-NS07-Z1	G072-NS07-Z2	G072-NS08-Z1	G072-NS08-Z2	G072-NS09-Z1
Sample Date:	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99
Parameter Depth (ft):	2 - 4	0 - 0.166	2 - 4	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166
Test: Semivolatile SW 8270C Units: µg/Kg									
Anthracene, 1-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene, 2-methyl-	ND	ND	ND	ND	ND	ND	75.1 (2)	ND	ND
Benz(a)anthracene, 1-methyl-	ND	ND	ND	ND	ND	ND	465 (1)	ND	ND
Benz(a)anthracene, 10-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene, 12-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene, 7-ethyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(e)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzofuran	ND	ND	ND	ND	ND	ND	153 (1)	ND	ND
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 1-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 2-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 3-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chrysene, 6-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cyclic octaatomic sulfur	ND	ND	ND	ND	ND	ND	ND	ND	ND
Docosanolide	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene, 2-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
PCB Isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 2,5-dimethyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 2-phenyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 3-methyl-	ND	ND	ND	ND	ND	ND	733 (1)	ND	ND
Phenanthrene, 9-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Prometon	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene, 1,3-dimethyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND

Source: Ecology and Environment, Inc. August 1999

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Parameter / Sample ID:	G072-NS05-Z2	G072-NS06-Z1	G072-NS06-Z2	G072-NS06-Z2/D	G072-NS07-Z1	G072-NS07-Z2	G072-NS08-Z1	G072-NS08-Z2	G072-NS09-Z1
Sample Date:	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99	7/6/99
Depth (ft):	2 - 4	0 - 0.166	2 - 4	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	0 - 0.166
Test: Semivolatile SW 8270C Units: µg/Kg									
Pyrene, 1-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene, 2-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene, 4-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown	ND	98 (13)	ND	854.3 (1)	297 (4)	664 (2)	185 (2)	3508 (2)	1288 (7)
Unknown (7)	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Acidic Hydrocarbon	1127.6 (1)	19336 (1)	969 (2)	ND	1216 (3)	282 (4)	677 (4)	491 (5)	629 (4)
Unknown Alcohol Compouna	78 (1)	129 (2)	336 (1)	71.3 (1)	426 (3)	701.9 (1)	1036 (1)	583 (1)	485 (1)
Unknown Hydrocarbon	ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Oxygenated Compouna	131 (1)	1187 (1)	97.9 (1)	ND	ND	ND	780 (1)	ND	487 (1)
Unknown PAH	ND	97.6 (1)	342 (1)	169 (1)	836 (1)	ND	490 (2)	ND	613 (2)
Unknown Saturated Cyclic Hydrocarbon	ND	976 (1)	ND	ND	ND	96.3 (1)	ND	ND	ND
Unknown Saturated Hydrocarbon	ND	2090 (9)	168 (3)	97.3 (2)	149 (4)	ND	555 (3)	293 (6)	917 (2)
Unknown Unsaturated Cyclic Hydrocarbon	ND	194541.8 (3)	ND	ND	ND	ND	ND	ND	ND
Unknown Unsaturated Hydrocarbon	ND	3086 (1)	378.7 (4)	245.2 (2)	ND	ND	ND	1108 (1)	ND

Key:

µg/Kg = Micrograms per kilogram

ND = No TICs Detected

PAH = Polynuclear Aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

Source: Ecology and Environment, Inc. August 1999

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Sample ID:	G072-NS09-Z2	G072-NS10-Z1	G072-NS10-Z2	G072-NS11-Z1	G072-NS11-Z2	G072-NS11-Z2/D	G072-NS12-Z1	G072-NS12-Z2	G072-NS13-Z1
Sample Date:	7/6/99	7/6/99	7/6/99	7/7/99	7/7/99	7/7/99	7/7/99	7/7/99	7/7/99
Parameter Depth (ft):	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	2 - 4	0 - 0.166	2 - 4	0 - 0.166
Test: Semivolatile SW 8270C Units: µg/Kg									
Anthracene, 1-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anthracene, 2-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene, 1-methyl-	ND	ND	ND	ND	ND	ND	84.6 (1)	ND	ND
Benz(a)anthracene, 10-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene, 12-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benz(a)anthracene, 7-ethyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo(e)pyrene	ND	ND	ND	ND	ND	ND	14000 (1)	ND	ND
Benzo(j)fluoranthene	ND	ND	ND	ND	ND	ND	3710 (1)	ND	ND
Benzofuran	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	4358 (1)	ND	ND	ND
Chrysene, 1-methyl-	ND	ND	ND	628 (1)	ND	ND	ND	ND	ND
Chrysene, 2-methyl-	ND	ND	ND	ND	ND	ND	16000 (1)	ND	ND
Chrysene, 3-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	261 (1)
Chrysene, 6-methyl-	ND	ND	ND	ND	ND	ND	4850 (1)	ND	ND
Cyclic octaatomic sulfur	ND	ND	ND	ND	ND	ND	ND	ND	ND
Docosanolide	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene, 2-methyl-	ND	ND	ND	ND	ND	ND	3960 (1)	ND	ND
PCB Isomer	ND	ND	ND	ND	ND	ND	ND	ND	ND
Perylene	ND	ND	ND	632 (2)	ND	ND	11600 (1)	6630 (1)	3200 (1)
Phenanthrene, 2,5-dimethyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 2-phenyl-	ND	ND	ND	ND	ND	ND	20000 (1)	ND	ND
Phenanthrene, 3-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene, 9-methyl-	ND	ND	ND	ND	ND	ND	ND	ND	ND
Prometon	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene, 1,3-dimethyl-	ND	ND	ND	ND	ND	ND	4580 (1)	ND	ND

Source: Ecology and Environment, Inc. August 1999

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Parameter	Sample ID:	G072-NS09-Z2	G072-NS10-Z1	G072-NS10-Z2	G072-NS11-Z1	G072-NS11-Z2	G072-NS11-Z2/D	G072-NS12-Z1	G072-NS12-Z2	G072-NS13-Z1
	Sample Date:	7/6/99	7/6/99	7/6/99	7/7/99	7/7/99	7/7/99	7/7/99	7/7/99	7/7/99
	Depth (ft):	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4	2 - 4	0 - 0.166	2 - 4	0 - 0.166
Test: Semivolatile SW 8270C Units: µg/Kg										
Pyrene, 1-methyl-		ND	ND	ND	716 (1)	ND	ND	5750 (3)	ND	ND
Pyrene, 2-methyl-		ND	ND	ND	275 (1)	ND	ND	19400 (1)	ND	967 (1)
Pyrene, 4-methyl-		ND	ND	ND	ND	ND	ND	5860 (1)	319 (1)	ND
Unknown		248 (2)	1315.8 (2)	284 (2)	152 (3)	208(1)	ND	5040 (6)	ND	268 (7)
Unknown (7)		ND	ND	ND	ND	ND	176 (1)	ND	ND	ND
Unknown Acidic Hydrocarbon		323 (2)	530 (4)	ND	ND	ND	240 (1)	44190 (1)	ND	10138 (5)
Unknown Alcohol Compouna		490 (2)	629 (2)	291 (2)	ND	ND	ND	2770 (1)	ND	ND
Unknown Hydrocarbon		ND	ND	ND	ND	ND	ND	ND	ND	ND
Unknown Oxygenated Compouna		574 (1)	ND	579 (1)	1181 (1)	73.5(1)	2580 (1)	3390 (7)	74.6 (5)	5410 (4)
Unknown PAH		ND	1050 (1)	485 (2)	255 (2)	ND	ND	38040 (11)	649.1 (4)	3806 (5)
Unknown Saturated Cyclic Hydrocarbon		162 (1)	ND	619 (2)	ND	ND	ND	ND	616.1 (2)	ND
Unknown Saturated Hydrocarbon		130 (7)	392 (3)	318 (4)	991 (8)	ND	ND	95510 (4)	230.4 (1)	2993 (5)
Unknown Unsaturated Cyclic Hydrocarbon		ND	909 (2)	ND	ND	ND	ND	28120 (4)	229 (2)	9961 (3)
Unknown Unsaturated Hydrocarbon		ND	ND	839.9 (2)	ND	323(2)	ND	420060 (1)	ND	5999 (1)

Key:

µg/Kg = Micrograms per kilogram

ND = No TICs Detected

PAH = Polynuclear Aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

Source: Ecology and Environment, Inc. August 1999

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Sample ID:	G072-NS13-Z2	G072-NS14-Z1	G072-NS14-Z2	G072-NS15-Z1	G072-NS15-Z2
Sample Date:	7/7/99	7/7/99	7/7/99	7/7/99	7/7/99
Parameter Depth (ft):	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4
Test: Semivolatile SW 8270C Units: µg/Kg					
Anthracene, 1-methyl-	ND	ND	ND	ND	ND
Anthracene, 2-methyl-	ND	ND	ND	ND	ND
Benz(a)anthracene, 1-methyl-	ND	ND	ND	118 (1)	ND
Benz(a)anthracene, 10-methyl-	ND	ND	ND	ND	ND
Benz(a)anthracene, 12-methyl-	ND	ND	ND	3740 (1)	ND
Benz(a)anthracene, 7-ethyl-	ND	ND	ND	607 (1)	ND
Benzo(e)pyrene	ND	ND	ND	767 (1)	ND
Benzo(j)fluoranthene	ND	ND	ND	ND	ND
Benzofuran	ND	ND	ND	ND	ND
Bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND
Chrysene, 1-methyl-	ND	ND	ND	ND	ND
Chrysene, 2-methyl-	ND	ND	ND	ND	ND
Chrysene, 3-methyl-	ND	823 (1)	ND	ND	ND
Chrysene, 6-methyl-	ND	ND	ND	ND	ND
Cyclic octaatomic sulfur	346 (1)	ND	ND	ND	1770 (1)
Docosanolide	ND	ND	ND	ND	ND
Fluoranthene, 2-methyl-	ND	ND	ND	988 (1)	ND
PCB Isomer	1010 (1)	ND	ND	ND	ND
Perylene	ND	ND	ND	490 (1)	ND
Phenanthrene, 2,5-dimethyl-	ND	ND	ND	ND	ND
Phenanthrene, 2-phenyl-	ND	ND	ND	ND	ND
Phenanthrene, 3-methyl-	ND	ND	ND	ND	ND
Phenanthrene, 9-methyl-	ND	ND	ND	ND	ND
Prometon	ND	ND	ND	ND	ND
Pyrene, 1,3-dimethyl-	ND	ND	ND	ND	ND

Source: Ecology and Environment, Inc. August 1999

Table 3.6-6
TENTATIVELY IDENTIFED COMPOUND (TIC) DATA SUMMARY
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Parameter / Sample ID:	G072-NS13-Z2	G072-NS14-Z1	G072-NS14-Z2	G072-NS15-Z1	G072-NS15-Z2
Sample Date:	7/7/99	7/7/99	7/7/99	7/7/99	7/7/99
Depth (ft):	2 - 4	0 - 0.166	2 - 4	0 - 0.166	2 - 4
Test: Semivolatile SW 8270C Units: µg/Kg					
Pyrene, 1-methyl-	ND	419 (1)	ND	1260 (1)	ND
Pyrene, 2-methyl-	ND	115 (1)	ND	ND	ND
Pyrene, 4-methyl-	ND	ND	ND	ND	ND
Unknown	274 (3)	148 (1)	573 (1)	1360 (5)	8000 (2)
Unknown (7)	ND	ND	ND	ND	ND
Unknown Acidic Hydrocarbon	1736 (1)	ND	114 (1)	5806 (1)	650 (2)
Unknown Alcohol Compouna	309 (2)	ND	2360 (1)	737 (2)	967 (1)
Unknown Hydrocarbon	ND	ND	ND	ND	ND
Unknown Oxygenated Compouna	ND	349 (1)	86.4 (1)	1477 (1)	187 (5)
Unknown PAH	1859 (1)	162 (1)	84.1 (1)	743 (4)	959.1 (1)
Unknown Saturated Cyclic Hydrocarbon	230 (1)	ND	ND	3780 (1)	ND
Unknown Saturated Hydrocarbon	210 (2)	282 (9)	ND	566 (6)	145 (7)
Unknown Unsaturated Cyclic Hydrocarbon	ND	4089 (2)	ND	10475 (4)	ND
Unknown Unsaturated Hydrocarbon	566 (3)	ND	ND	3731 (1)	ND

Key:

µg/Kg = Micrograms per kilogram

ND = No TICs Detected

PAH = Polynuclear Aromatic hydrocarbons

PCBs = Polychlorinated biphenyls

Source: Ecology and Environment, Inc. August 1999

Table 3.6-7
MATRIX SPIKE/MARIX SPIKE DUPLICATE RESULTS FOR SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA FORMER GRIFFISS AIR FORCE NASE, ROME, NEW YORK

Client Sample ID:	G072-NS10-Z2	Lab ID:	9907027-25A		Matrix:	Soil		Collection Date:	7/6/99		
Test Name, Method, and Unit	Parameter	QC Type	Original Value	Spike Amount	Result	Recovery %	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Semivolatile Organics by Method 8270C (µg/Kg)	1,2,4-Trichlorobenzene	MS	<408	2063	1429	69.3	39	110			
Semivolatile Organics by Method 8270C (µg/Kg)	1,4-Dichlorobenzene	MS	<408	2063	1297	62.9	33	108			
Semivolatile Organics by Method 8270C (µg/Kg)	2,4-Dinitrotoluene	MS	<408	2063	1512	73.3	46	111			
Semivolatile Organics by Method 8270C (µg/Kg)	2-Chlorophenol	MS	<408	2475	1784	72.1	48	121			
Semivolatile Organics by Method 8270C (µg/Kg)	4-Chloro-3-methylphenol	MS	<408	2475	1893	76.5	52	118			
Semivolatile Organics by Method 8270C (µg/Kg)	4-Nitrophenol	MS	<1030	2475	2042	82.5	54	124			
Semivolatile Organics by Method 8270C (µg/Kg)	Acenaphthene	MS	<408	2063	1389	67.3	39	111			
Semivolatile Organics by Method 8270C (µg/Kg)	N-Nitrosodi-n-propylamine	MS	<408	2063	1266	61.4	34	107			
Semivolatile Organics by Method 8270C (µg/Kg)	Pentachlorophenol	MS	<1030	2475	2045	82.6	52	116			
Semivolatile Organics by Method 8270C (µg/Kg)	Phenol	MS	<408	2475	1758	71	43	125			
Semivolatile Organics by Method 8270C (µg/Kg)	Pyrene	MS	<408	2063	1559	75.6	26	96			
Semivolatile Organics by Method 8270C (µg/Kg)	1,2,4-Trichlorobenzene	MSD	<378	1912	1226	64.1	39	110	7.67	35	
Semivolatile Organics by Method 8270C (µg/Kg)	1,4-Dichlorobenzene	MSD	<378	1912	1111	58.1	33	108	7.88	35	
Semivolatile Organics by Method 8270C (µg/Kg)	2,4-Dinitrotoluene	MSD	<378	1912	1347	70.5	46	111	3.98	35	
Semivolatile Organics by Method 8270C (µg/Kg)	2-Chlorophenol	MSD	<378	2293	1541	67.2	48	121	7.04	35	
Semivolatile Organics by Method 8270C (µg/Kg)	4-Chloro-3-methylphenol	MSD	<378	2293	1654	72.1	52	118	5.86	35	
Semivolatile Organics by Method 8270C (µg/Kg)	4-Nitrophenol	MSD	<952	2293	1827	79.7	54	124	3.5	35	
Semivolatile Organics by Method 8270C (µg/Kg)	Acenaphthene	MSD	<378	1912	1216	63.6	39	111	5.73	35	
Semivolatile Organics by Method 8270C (µg/Kg)	N-Nitrosodi-n-propylamine	MSD	<378	1912	1094	57.3	34	107	6.95	35	
Semivolatile Organics by Method 8270C (µg/Kg)	Pentachlorophenol	MSD	<952	2293	1528	66.6	52	116	21.4	35	
Semivolatile Organics by Method 8270C (µg/Kg)	Phenol	MSD	<378	2293	1509	65.8	43	125	7.67	35	
Semivolatile Organics by Method 8270C (µg/Kg)	Pyrene	MSD	<378	1912	1493	78.1	26	96	3.31	35	
Pesticides by Method 8081A (µg/Kg)	4,4'-DDD	MS	0.6099	3.845	4.379	98	73	119			
Pesticides by Method 8081A (µg/Kg)	4,4'-DDE	MS	1.017	3.845	4.541	91.7	74	124			
Pesticides by Method 8081A (µg/Kg)	4,4'-DDT	MS	<2.31	7.689	6.119	79.6	67	140			
Pesticides by Method 8081A (µg/Kg)	Aldrin	MS	<1.15	3.845	4.305	112	67	152			
Pesticides by Method 8081A (µg/Kg)	alpha-BHC	MS	<1.15	3.845	7.581	197	65	134			*
Pesticides by Method 8081A (µg/Kg)	alpha-Chlordane	MS	<1.15	3.845	3.838	99.8	63	136			
Pesticides by Method 8081A (µg/Kg)	beta-BHC	MS	<1.15	3.845	4.294	112	48	135			
Pesticides by Method 8081A (µg/Kg)	delta-BHC	MS	<1.15	3.845	5.381	140	44	144			
Pesticides by Method 8081A (µg/Kg)	Dieldrin	MS	<2.31	3.845	4.219	110	63	149			
Pesticides by Method 8081A (µg/Kg)	Endosulfan I	MS	<2.31	3.845	4.124	107	65	127			
Pesticides by Method 8081A (µg/Kg)	Endosulfan II	MS	<2.31	3.845	3.577	93	54	132			
Pesticides by Method 8081A (µg/Kg)	Endosulfan sulfate	MS	<2.31	7.689	6.138	79.8	69	130			
Pesticides by Method 8081A (µg/Kg)	Endrin	MS	<2.31	3.845	4.292	112	67	142			
Pesticides by Method 8081A (µg/Kg)	Endrin aldehyde	MS	<2.31	3.845	3.927	102	15	142			
Pesticides by Method 8081A (µg/Kg)	Endrin ketone	MS	<2.31	3.845	3.488	90.7	50	139			
Pesticides by Method 8081A (µg/Kg)	gamma-BHC	MS	<1.15	3.845	4.272	111	71	135			

Source: Ecology and Environment, Inc. August 1999

Table 3.6-7

MATRIX SPIKE/MARIX SPIKE DUPLICATE RESULTS FOR SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA FORMER GRIFFISS AIR FORCE NASE, ROME, NEW YORK

Client Sample ID:	G072-NS10-Z2	Lab ID:	9907027-25A		Matrix:	Soil		Collection Date:	7/6/99		
Test Name, Method, and Unit	Parameter	QC Type	Original Value	Spike Amount	Result	Recovery %	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Pesticides by Method 8081A (µg/Kg)	gamma-Chlordane	MS	<1.15	3.845	4.337	113	67	139			
Pesticides by Method 8081A (µg/Kg)	Heptachlor	MS	<2.31	3.845	4.728	123	75	143			
Pesticides by Method 8081A (µg/Kg)	Heptachlor epoxide	MS	<2.31	3.845	305.6	7950	54	132			*
Pesticides by Method 8081A (µg/Kg)	Methoxychlor	MS	<11.5	38.48	33.87	88	74	147			
Pesticides by Method 8081A (µg/Kg)	4,4´-DDD	MSD	0.6099	3.985	8.389	195	73	119	66.3	35	*R
Pesticides by Method 8081A (µg/Kg)	4,4´-DDE	MSD	1.017	3.985	5.406	110	74	124	18.3	35	
Pesticides by Method 8081A (µg/Kg)	4,4´-DDT	MSD	<2.39	7.97	6.701	84.1	67	140	5.5	35	
Pesticides by Method 8081A (µg/Kg)	Aldrin	MSD	<1.2	3.985	4.574	115	67	152	2.48	35	
Pesticides by Method 8081A (µg/Kg)	alpha-BHC	MSD	<1.2	3.985	10.5	263	65	134	28.8	35	*
Pesticides by Method 8081A (µg/Kg)	alpha-Chlordane	MSD	<1.2	3.985	4.248	107	63	136	6.57	35	
Pesticides by Method 8081A (µg/Kg)	beta-BHC	MSD	<1.2	3.985	4.501	113	48	135	1.11	35	
Pesticides by Method 8081A (µg/Kg)	delta-BHC	MSD	<1.2	3.985	4.544	114	44	144	20.4	35	
Pesticides by Method 8081A (µg/Kg)	Dieldrin	MSD	<2.39	3.985	4.51	113	63	149	3.11	35	
Pesticides by Method 8081A (µg/Kg)	Endosulfan I	MSD	<2.39	3.985	4.205	106	65	127	1.66	35	
Pesticides by Method 8081A (µg/Kg)	Endosulfan II	MSD	<2.39	3.985	3.777	94.8	54	132	1.85	35	
Pesticides by Method 8081A (µg/Kg)	Endosulfan sulfate	MSD	<2.39	7.97	6.719	84.3	69	130	5.46	35	
Pesticides by Method 8081A (µg/Kg)	Endrin	MSD	<2.39	3.985	4.53	114	67	142	1.8	35	
Pesticides by Method 8081A (µg/Kg)	Endrin aldehyde	MSD	<2.39	3.985	4.116	103	15	142	1.14	35	
Pesticides by Method 8081A (µg/Kg)	Endrin ketone	MSD	<2.39	3.985	3.879	97.3	50	139	7.04	35	
Pesticides by Method 8081A (µg/Kg)	gamma-BHC	MSD	<1.2	3.985	4.575	115	71	135	3.27	35	
Pesticides by Method 8081A (µg/Kg)	gamma-Chlordane	MSD	<1.2	3.985	4.807	121	67	139	6.7	35	
Pesticides by Method 8081A (µg/Kg)	Heptachlor	MSD	<2.39	3.985	5.084	128	75	143	3.68	35	
Pesticides by Method 8081A (µg/Kg)	Heptachlor epoxide	MSD	<2.39	3.985	222.9	5590	54	132	34.8	35	*
Pesticides by Method 8081A (µg/Kg)	Methoxychlor	MSD	<12	39.88	35.95	90.1	74	147	2.4	35	
PCBs by Method 8082 (µg/Kg)	Aroclor 1016	MS	<23.1	192.8	152.9	79.3	50	150			
PCBs by Method 8082 (µg/Kg)	Aroclor 1260	MS	<23.1	192.8	145.6	75.5	50	150			
PCBs by Method 8082 (µg/Kg)	Aroclor 1016	MSD	<23.9	199.8	167.6	83.9	50	150	5.61	35	
PCBs by Method 8082 (µg/Kg)	Aroclor 1260	MSD	<23.9	199.8	160.3	80.2	50	150	6.02	35	
Metals by ICP Method 6010B (mg/Kg)	Aluminum	MS	8563	249.4	10320	704	75	125			B*
Metals by ICP Method 6010B (mg/Kg)	Antimony	MS	<1.25	62.34	52.38	84	75	125			
Metals by ICP Method 6010B (mg/Kg)	Arsenic	MS	5.069	249.4	213.5	83.6	75	125			
Metals by ICP Method 6010B (mg/Kg)	Barium	MS	59.62	249.4	263.7	81.8	75	125			
Metals by ICP Method 6010B (mg/Kg)	Beryllium	MS	0.4109	6.234	5.729	85.3	75	125			B
Metals by ICP Method 6010B (mg/Kg)	Cadmium	MS	0.5903	6.234	6.05	87.6	75	125			
Metals by ICP Method 6010B (mg/Kg)	Chromium	MS	9.565	24.94	32	90	75	125			
Metals by ICP Method 6010B (mg/Kg)	Cobalt	MS	3.444	62.34	56.05	84.4	75	125			B
Metals by ICP Method 6010B (mg/Kg)	Copper	MS	45.25	31.17	61.7	52.8	75	125			B*
Metals by ICP Method 6010B (mg/Kg)	Iron	MS	16310	124.7	16270	-30	75	125			*

Source: Ecology and Environment, Inc. August 1999

Table 3.6-7
MATRIX SPIKE/MARIX SPIKE DUPLICATE RESULTS FOR SOIL SAMPLES FROM AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA FORMER GRIFFISS AIR FORCE NASE, ROME, NEW YORK

Client Sample ID:	G072-NS10-Z2	Lab ID:	9907027-25A		Matrix:	Soil		Collection Date:	7/6/99		
Test Name, Method, and Unit	Parameter	QC Type	Original Value	Spike Amount	Result	Recovery %	Low Limit	High Limit	RPD	RPD Limit	Qualifier
Metals by ICP Method 6010B (mg/Kg)	Lead	MS	8.175	62.34	61.12	84.9	75	125			
Metals by ICP Method 6010B (mg/Kg)	Manganese	MS	792.4	62.34	1135	549	75	125			*
Metals by ICP Method 6010B (mg/Kg)	Nickel	MS	16.8	62.34	64.62	76.7	75	125			
Metals by ICP Method 6010B (mg/Kg)	Selenium	MS	4.133	249.4	227.9	89.7	75	125			
Metals by ICP Method 6010B (mg/Kg)	Silver	MS	<1.25	6.234	5.034	80.7	75	125			
Metals by ICP Method 6010B (mg/Kg)	Thallium	MS	0.8287	249.4	216.8	86.6	75	125			
Metals by ICP Method 6010B (mg/Kg)	Vanadium	MS	15.81	62.34	71.82	89.8	75	125			
Metals by ICP Method 6010B (mg/Kg)	Zinc	MS	482.1	62.34	122.6	-577	75	125			B*
Metals by ICP Method 6010B (mg/Kg)	Aluminum	MSD	8563	249.4	12960	1760	75	125	86	35	B*R
Metals by ICP Method 6010B (mg/Kg)	Antimony	MSD	<1.25	62.34	53.3	85.5	75	125	1.75	35	
Metals by ICP Method 6010B (mg/Kg)	Arsenic	MSD	5.069	249.4	226.2	88.7	75	125	5.91	35	
Metals by ICP Method 6010B (mg/Kg)	Barium	MSD	59.62	249.4	281.4	88.9	75	125	8.3	35	
Metals by ICP Method 6010B (mg/Kg)	Beryllium	MSD	0.4109	6.234	6.242	93.5	75	125	9.19	35	B
Metals by ICP Method 6010B (mg/Kg)	Cadmium	MSD	0.5903	6.234	6.425	93.6	75	125	6.63	35	
Metals by ICP Method 6010B (mg/Kg)	Chromium	MSD	9.565	24.94	37.89	114	75	125	23.2	35	
Metals by ICP Method 6010B (mg/Kg)	Cobalt	MSD	3.444	62.34	61.63	93.3	75	125	10.1	35	B
Metals by ICP Method 6010B (mg/Kg)	Copper	MSD	45.25	31.17	73.78	91.5	75	125	53.7	35	BR
Metals by ICP Method 6010B (mg/Kg)	Iron	MSD	16310	124.7	25840	7640	75	125	202	20	*R
Metals by ICP Method 6010B (mg/Kg)	Lead	MSD	8.175	62.34	68.54	96.8	75	125	13.1	35	
Metals by ICP Method 6010B (mg/Kg)	Manganese	MSD	792.4	62.34	924.2	211	75	125	88.8	35	*R
Metals by ICP Method 6010B (mg/Kg)	Nickel	MSD	16.8	62.34	77.71	97.7	75	125	24.1	35	
Metals by ICP Method 6010B (mg/Kg)	Selenium	MSD	4.133	249.4	240.6	94.8	75	125	5.49	35	
Metals by ICP Method 6010B (mg/Kg)	Silver	MSD	<1.25	6.234	4.851	77.8	75	125	3.7	35	
Metals by ICP Method 6010B (mg/Kg)	Thallium	MSD	0.8287	249.4	230.2	92	75	125	5.99	35	
Metals by ICP Method 6010B (mg/Kg)	Vanadium	MSD	15.81	62.34	81.15	105	75	125	15.4	35	
Metals by ICP Method 6010B (mg/Kg)	Zinc	MSD	482.1	62.34	141.5	-546	75	125	5.41	35	B*
Mercury in Soil by Method 7471A (mg/Kg)	Mercury	MS	<0.0411	0.4152	0.4701	113	75	125			
Mercury in Soil by Method 7471A (mg/Kg)	Mercury	MS	<0.0411	0.4152	0.4701	113	75	125			
Mercury in Soil by Method 7471A (mg/Kg)	Mercury	MSD	<0.0411	0.4152	0.5246	126	75	125	11	35	*
Mercury in Soil by Method 7471A (mg/Kg)	Mercury	MSD	<0.0411	0.4152	0.5246	126	75	125	11	35	*

Key:

PAH = Polynuclear Aromatic Hydrocarbons

RPD = Relative Percent Difference

MS = Matrix Spike

MSD = Matrix Spike Duplicate

DUP = Sample Duplicate

Qualifiers

* = Spike recovery outside limits

R = RPD outside QC limits

B = Compound also found in the method blank

J = Estimated value below the practical quantitation limit

Source: Ecology and Environment, Inc. August 1999

Table 3.6-8
POSITIVE RESULTS FOR RINSATE BLANKS ASSOCIATED WITH AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Client Sample ID	Collection Date	Method	Analyte	Result	Lab Flag	Validation Flag	PQL	Units
FIELD QC RB72	06-Jul-99	SW8081A	4,4'-DDD	0.048	J	J	0.0538	µg/L
FIELD QC RB72	06-Jul-99	SW8081A	4,4'-DDE	0.04	J	J	0.0538	µg/L
FIELD QC RB72	06-Jul-99	SW8081A	Aldrin	0.012	J	J	0.0269	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Iron	62	J	J	100	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Aluminum	74	BJ	U	100	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Barium	0.64	J	J	20	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Beryllium	0.11	BJ	U	5	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Chromium	1.6	BJ	U	10	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Copper	7.8	BJ	U	20	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Manganese	1.8	J	J	10	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Nickel	1.6	J	J	20	µg/L
FIELD QC RB72	06-Jul-99	SW6010B	Zinc	28.7	B		10	µg/L

Note:

(1) This table lists all positive results for rinsate samples at the AOI.

(2) Concentrations above the PQL are shaded, all other results are flagged "U" as non-detected from method blanks.

Key:

µg/L = Micrograms per liter

PQL = Practical Quantitation Limit

Source: Ecology and Environment, Inc. August 1999

Table 3.6-9
POSITIVE RESULTS FOR METHOD BLANKS ASSOCIATED WITH
AOI 72 MOBILE AVENUE - FORMER DRUM STORAGE AREA
FORMER GRIFFISS AIR FORCE BASE, ROME, NEW YORK

Method Blank ID	Test Name	Matrix	Analyte	Result	Blank Flag	PQL	Associated Samples	Sample Flag
MB-199900279	Metals by ICP Method 6010B (µg/L)	Water	Aluminum	28.9	J	100	FIELD QC RB72	U
MB-199900279	Metals by ICP Method 6010B (µg/L)	Water	Beryllium	0.1619	J	5	FIELD QC RB72	U
MB-199900279	Metals by ICP Method 6010B (µg/L)	Water	Copper	6.855	J	20	FIELD QC RB72	U
MB-199900279	Metals by ICP Method 6010B (µg/L)	Water	Chromium	1.509	J	10	FIELD QC RB72	U
MB-199900248	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.02538	J	0.5	G072-NS06-Z1	U
MB-199900248	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.02538	J	0.5	G072-NS07-Z1	U
MB-199900248	Metals by ICP Method 6010B (mg/Kg)	Soil	Cobalt	0.1299	J	2	G072-NS07-Z1	U
MB-199900248	Metals by ICP Method 6010B (mg/Kg)	Soil	Cobalt	0.1299	J	2	G072-NS08-Z1	U
MB-199900248	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.02538	J	0.5	G072-NS08-Z1	U
MB-199900248	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.02538	J	0.5	G072-NS10-Z1	U
MB-199900248	Metals by ICP Method 6010B (mg/Kg)	Soil	Cobalt	0.1299	J	2	G072-NS10-Z1	U
MB-199900261	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.01949	J	0.5	G072-NS11-Z1	UJ
MB-199900261	Metals by ICP Method 6010B (mg/Kg)	Soil	Cadmium	0.05069	J	0.5	G072-NS11-Z2/D	UJ
MB-199900261	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.01949	J	0.5	G072-NS13-Z1	UJ
MB-199900261	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.01949	J	0.5	G072-NS14-Z1	UJ
MB-199900261	Metals by ICP Method 6010B (mg/Kg)	Soil	Beryllium	0.01949	J	0.5	G072-NS15-Z1	UJ

Note:

(1) This table lists all positive results for method blanks that resulted in qualification of samples at the AOI.

(2) Concentrations in associated samples are flagged "U" as non-detected from method blanks.

(3) All other positive method blank results were below the PQL and did not impact sample results.

Key:

µg/L = Micrograms per liter

mg/Kg = Milligrams per kilogram

PQL = Practical Quantitation Limit

Source: Ecology and Environment, Inc. August 1999

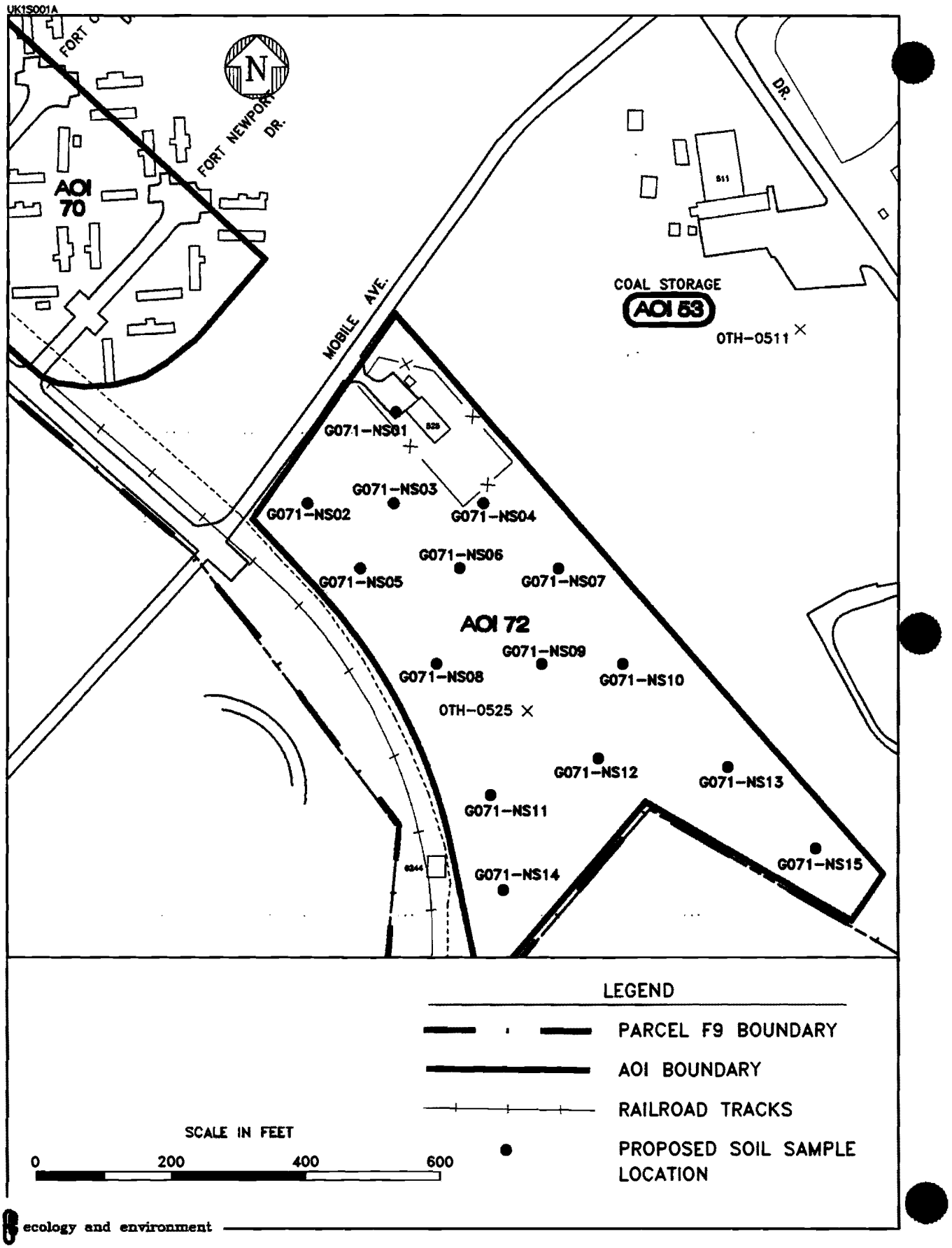


Figure 3-6
PROPOSED PARCEL F9 SAMPLE LOCATIONS
FOR THE MOBILE AVENUE -
FORMER DRUM STORAGE AREA (AOI 72)

BUFF Plotted :06/21/99 MEH

Appendix B
Daily Chemical Quality Control Reports

Daily Chemical Quality Control Report

Project/Delivery Order Number: 1015-11-01 Date: 12/13/13

Project Name/Site Number: AOI 72

Weather conditions: Temperature: 24 F Barometric reading: 30.07
Wind speed and direction: 19 mph W
Significant wind changes: gusts to 25 mph

General description of tasks completed: TCLP Soil Samples at four locations within the previously investigated AOC from 2'-6'bgs. 2 oz jars collected with sample ID AOI72TCLP01AA.

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

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

Corrective actions taken or instructions obtained from AFCEC personnel: No corrective actions necessary.
None

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

DCQCR Prepared by: Josh Wenzel Date: 12/13/13

CQCC Signature: Concordia Winthrop Date: 12/13/13

ATTACHMENTS:

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

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JW

Site and Site Code (SITEID): AOI 72

Sampling Location ID. (LOCID): 72SB-1

Date (LOGDATE): 12/13/13 Time: 0930

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2'	Brown course sand/silt. Course gravel from 0-1'
2-4'	Gray to brown course silty sand
4-6'	Wet course sand ~~brown~~ dark brown.

Comments/Observations:

Sample Time: 1145 Sample ID: AOI 72 TCLP 01 AA

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JW

Site and Site Code (SITEID): AOI72

Sampling Location ID. (LOCID): 72SC5-2

Date (LOGDATE): 11/13/13 Time: 1025

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2'	Brown coarse sand, some gravel
2-4'	Gray/brown coarse sand, silty
4-6'	Wet coarse sand, dark brown.

Comments/Observations:

Sample Time: 1145 Sample ID: AOI72TCLP01AA

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JW

Site and Site Code (SITEID): AOC 72

Sampling Location ID. (LOCID): 72SS-3

Date (LOGDATE): 12/13/13 Time: 1105

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2'	Course gravel, Brown course sand, +
2-4'	Gray/brown. course silty sand
4'-5	black course sands, Dark brown

Comments/Observations:

Sample Time: 1145 Sample ID: AOC72TCLP01AA

SOIL / SEDIMENT SAMPLING FORM

Project: 1605-1-01 Sampled by: JU

Site and Site Code (SITEID): AOI 72

Sampling Location ID. (LOCID): 72SS-4

Date (LOGDATE): 12/13/13 Time: 1135

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
0-2'	Course gravel, Brown course sand
2-4'	Gray/brown course silty sand. Moist
4'-6'	Wet Course sand. Gray/dark brown

Comments/Observations:

Sample Time: 1145 Sample ID: AOI72TCLP01AA

CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _ 294 _ (Open/Closed) Cooler ID#: _A_

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

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	TCLP VOCs, SVOCs, 8 oz glass jar	TCLP Metals 8 oz glass jar	Comments
AOI72TCLP01AA	AOI72TCLP	12/13	1145	SO	G	N	0/0	2	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List:

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 12/16/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time:	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date:	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name:	Time:	Company Name:	Time:

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

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

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

Daily Health and Safety Meeting Form

Date: 12/13/13 *Time Start:* 0800

Time End: 1700

Location: FPM Remediations office

Weather Conditions: Heavy Snow, W winds at 15-20 mph, upper teens

Meeting Type:

Personnel Present: Josh Wenzel, Jerry Coe, John Warner

Visitors Present: NONE

Visitor Training: NONE

PPE Required: Hardhat D, Steel toe boots, winter insulated clothing, ear plugs, safety glasses

Possible risks, injuries, concerns: Slip/trip/fall, icy roads, hypothermia

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

NONE

Daily Health and Safety Meeting Form (Page 2)

Property Damage: _____

NONE

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

NONE

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

NONE

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety & Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 12/13/13

SITE: Act- [redacted]72

Weather	AM	PM
Temperature (F)	25°	18°
Wind Direction/Speed	W/17	NW/14
Precipitation	~1" Snow	~1" [illegible]
Conditions (i.e. sun, clouds)	Heavy Snow	Heavy Snow

FPM Personnel on-site:

Josh Wenzel

Visitors:

Organization	Names
SJB	Jerry Coe, John Warner

Equipment on Site
SJB drilling / pickup truck

Deliveries	Quantity
NONE	

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

DATE: 12/13/13

SITE: AOI 72

FPM

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

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

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil	4 (2 8oz jars)	Composite	TCLP VOCs/SVOCs/Metals
Surface water			
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

TCLP Soil Sampling at AOI-72. Collected soil samples using drilling from 2'-6' bgs at previously investigated site of AOI-72. SSB drilling used auger to remove soils from 0'-2' bgs and then collected soil samples in 2' increments from 2'-6' bgs. Soil was composited from the 4 boring locations and placed in 2 8oz jars for TCLP VOCs, SVOCs and Metals analysis.

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 12/13/13

SITE: AOI 72

WORK ACTIVITIES CONDUCTED:

WORK ACTIVITIES COMPLETED TODAY:

* Borings (soil) at 4 locations from 2'-6' bgs at AOI 72.
* Soil samples (2 8oz jars) collected for TCLP VOCs/SVOCs/Metals analysis.

COMMENTS/QUESTIONS:

NONE

SAFETY ISSUES:

NONE

Report Completed by: Josh Wynze

Daily Chemical Quality Control Report

Project/Delivery Order Number: FA8903-10-D-8595-0014 Date: 4/16/2014

Project Name/Site Number: Removal action and confirmatory soil sampling at AOI 72.

Weather conditions: Average temperature: 37 Average barometric reading: 30.62
Wind direction and speed: WNW 5 mph
Significant wind changes: 14 mph.

General description of tasks completed: Soil sampling at AOI 72.

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

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

Corrective actions taken or instructions obtained from AFCEE personnel: No corrective actions necessary.

Sampling shipment completed: √ Yes □ No FEDEX.

DCQCR Prepared by: Daniel Baldyga, FPM, PM Date: April 21, 2014

CQCC Signature: Concordia Lindfors Date: 4/26/14

ATTACHMENTS:

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

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: J. Pruett

Site and Site Code (**SITEID**): AOI 72

Sampling Location ID. (**LOCID**): Half 2 (South) Bottom of Excavation

Date (**LOGDATE**): 4/6/14 Time: 0810

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
6'	Brown / Med. Sand 0.0 PID

Comments/Observations:

Sample Time: 0810 Sample ID: AOI72BT0206AA

SOIL / SEDIMENT SAMPLING FORM

Project: 1015-11-01 Sampled by: JP

Site and Site Code (**SITEID**): AOI 72

Sampling Location ID. (**LOCID**): Half 1 (North) Bottom of Excavation

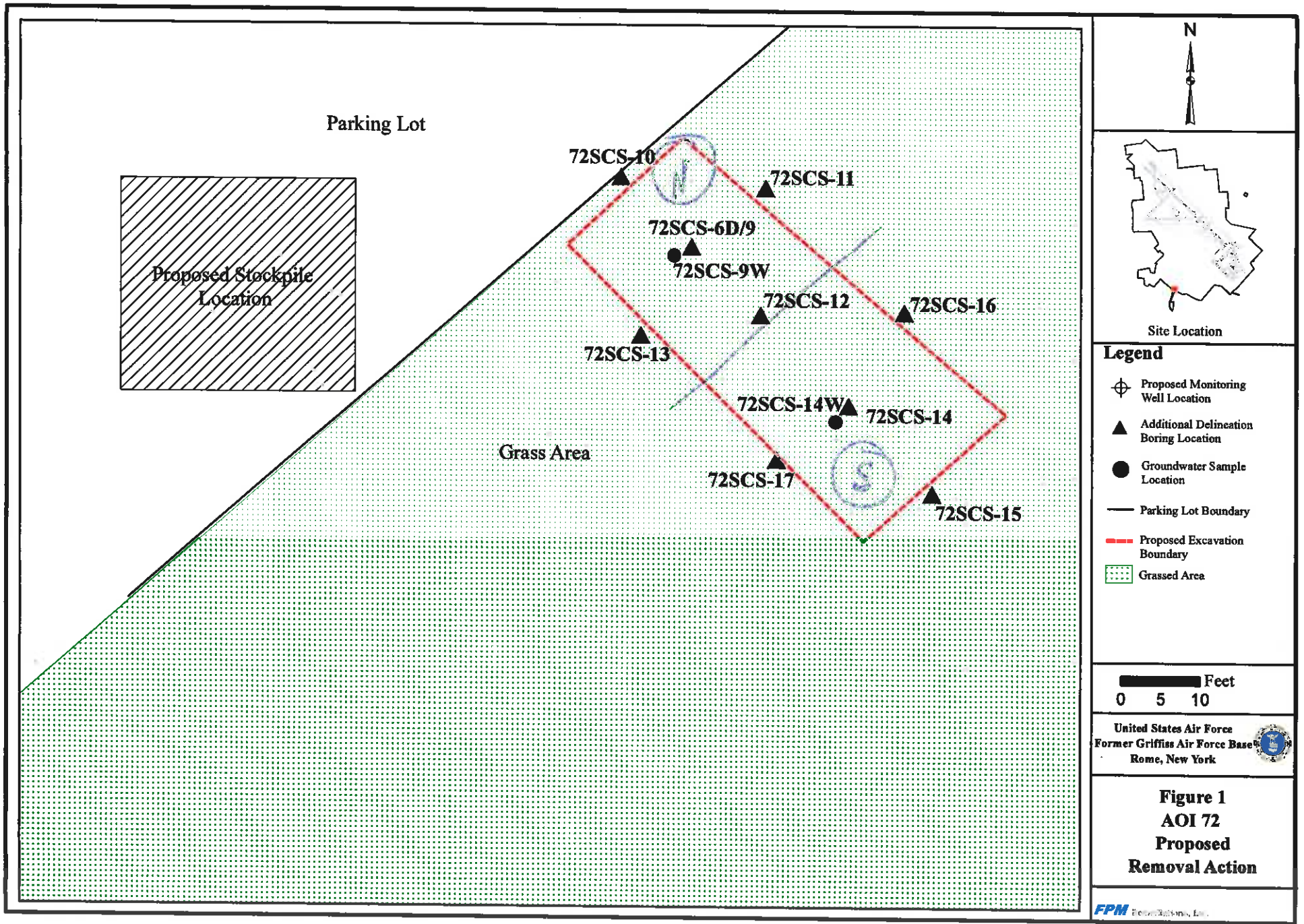
Date (**LOGDATE**): 4.16.14 Time: 0945

FIELD OBSERVATIONS:

Sample Depth or Interval	Material Description/ Color
6'	moist sand, Brown, medium

Comments/Observations:

Sample Time: 09-15 Sample ID: A0172BTC106AA



Y:\GIS_Projects\Griffiss\Projects\1015-11-01\Mod_2\AOI_72\AOI 72 Proposed RA.mxd

280-54473 Chain of Custody

CHAIN OF CUSTODY RECORD

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

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB AOI 72 Sampler Name: Daniel Baldyga	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441 Phone: (315) 336-7721 Ext. 207
Carrier: Test America courier.	Sampler Signature:	

Analyses requested

Field Sample ID	LocID	Date 2014	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs: note 3, 4 oz. jar	VOCs note 3 40mL vials (HCl)	Comments
AOI72BT0106AA	Half 1 (North) Bottom of Excavation	4/16	0945	SO	G	N	0/0	1	1		
AOI72BT0206AA	Half 2 (South) Bottom of Excavation	4/16	0810	SO	G	N	0/0	1	1		
041614AE	FIELDQC	4/16	0655	WQ	G	EB	0/0	3		3	
041614AF	FIELDQC	4/16	0950	WQ	G	AB	0/0	3		3	
041614AR	FIELDQC	4/16	0645	WQ	G	TB	0/0	2		2	

Sample Condition Upon Receipt at Laboratory: Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: Total SVOCs: method SW8270D

Note 2: Total Pesticides: SW8081B

Note 3: Total VOCs: SW8260B

Note 4: Total Metals: SW6010C

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 4/17/14	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1700	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date: 4/15/14	#2 Received by: (Sig)	Date: 4-18-14	#3 Received by: (Sig)	Date:
Company Name: FPM	Time: 1000Am	Company Name:	Time: 1000	Company Name:	Time:

0.5 IR57.2

MS 4-18-14

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

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

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

Daily Health and Safety Meeting Form

Date: 4-16-14 *Time :* 0635

Location: FPM office (sample room)

Weather Conditions: 25° / Sun

Meeting Type: Daily Health and Safety

Personnel Present:

J. Pratt, P. Mount

Visitors Present: N/A

Visitor Training: N/A

PPE Required: Modified D

Possible risks, injuries, concerns:

Excavation edge, Heavy Equip., Dump Trucks, cold

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

NONE

Property Damage:

NONE

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

—

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

Report made by (Name): Jake Pratt

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 4.16.14

SITE: AOI 72

Weather	AM	PM
Temperature (F)	30	
Wind Direction/Speed	10	
Precipitation	N/A	
Conditions (i.e. sun, clouds)	Sun	

FPM Personnel on-site:

J. Pratt, P. Mouch

Visitors:

Organization	Names
	NONE

Equipment on Site
Excavator
Dump Truck (20-ton)

Deliveries	Quantity
Sand	9 loads
	backfill

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

DATE: 4.16.14

SITE: AOI 72

FPM

Materials Shipped	Volume (Current Day)	Volume (total to date)	Disposal Facility/ Location
Soil (tons)	275	275	AVA - OHSWA
C&D (tons)	None		Landfill
PPE/Waste (drum)	None		

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

Samples Collected for Analysis:

Media	Number of Locations	Sampling Method	Analysis
Soil	2	Grab	VOC
Surface water			
Groundwater			

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

SEE NEXT PAGE

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 4.16.14

SITE: AOI 72

WORK ACTIVITIES CONDUCTED:

excavate ~ 180 cu/yd
backfill excavation
soil sample

WORK ACTIVITIES COMPLETED TODAY:

See above

COMMENTS/QUESTIONS:

SAFETY ISSUES:

none

Report Completed by: Jake Pratt

Daily Health and Safety Meeting Form

Date: 5/30/14 *Time :* 0830

Location: FPM office (sample room)

Weather Conditions: 62°F, Partly Cloudy, WNW 6 mph

Meeting Type: Daily Health and Safety

Personnel Present:

John Twomey, Josh Wenzel

Visitors Present: NONE

Visitor Training: NONE

PPE Required: Modified D, reflective vests, safety glasses, hardhat, steeltoe boots

Possible risks, injuries, concerns:

slip/trip/fall, biological (ticks), parking lot traffic, hazards associated with heavy equipment operation

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

NONE

Property Damage:

NONE

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

N/A

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

N/A

Report made by (Name): Josh Wenzel

SSHP Organization Title: Site Safety and Health Officer

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

DATE: 5/30/14

SITE: AOC 72

FPM

Weather	AM	PM
Temperature (F)	62°F	73°F
Wind Direction/Speed	WNW/6 mph	NW/15 mph
Precipitation	—	—
Conditions (i.e. sun, clouds)	Partly Cloudy	Partly Cloudy

FPM Personnel on-site:

John Twomey, Josh Wenzel

Visitors:

Organization	Names
— NONE —	

Equipment on Site
Tracked skidsteer
York Rake

Deliveries	Quantity
Top Soil (Burrows Trucking)	30 yards

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 5/30/14

SITE: AOI 72

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

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

Samples Collected for Analysis:

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

* Sampling tracking details presented on chain of custody

WORK ACTIVITIES CONDUCTED:

Site Restoration at AOI 72. 30 yards of top soil delivered to AOI 72. John Twomey spreads top soil at site of excavation and evens out w/ York Rake. "Rome Seed Mix" then spread over topsoil and hard raked into the ground. Single net straw blanket then rolled onto soil and held in place with biodegradable stakes.

[redacted]

DAILY FIELD REPORT
FORMER GRIFFISS AFB, ROME, NEW YORK

FPM

DATE: 5/30/14

SITE: AOI 72

WORK ACTIVITIES CONDUCTED:

WORK ACTIVITIES COMPLETED TODAY:

Site Restoration at AOI 72. Top soil applied ontop of excavation area. "Rome seed mix" grass seed spread over top soil and straw mat placed on top of topsoil/seed mix. [redacted]

[redacted]

COMMENTS/QUESTIONS:

NONE

SAFETY ISSUES:

NONE

Report Completed by: Josh Wenzel

Appendix C
Raw Laboratory Results

ANALYTICAL REPORT

Job Number: 280-50385-1

SDG Number: 294

Job Description: Griffiss AFB Unknown #2

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

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
1/2/2014 4:51 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
01/02/2014

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

The Lab Certification ID# is E87667.

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

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Unknown #2
Report Number: 280-50385-1

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

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

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

RECEIPT

One sample was received on 12/17/2013; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 2.3ºC.

TCLP VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AOI72TCLP01AA (280-50385-1) was analyzed for TCLP volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8260B. The sample was leached on 12/20/2013 and analyzed on 12/24/2013.

No difficulties were encountered during the TCLP volatiles analysis.

All quality control parameters were within the acceptance limits.

TCLP SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AOI72TCLP01AA (280-50385-1) was analyzed for TCLP semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 1311/8270C. The sample was leached on 12/20/2013, prepared on 12/23/2013 and analyzed on 12/27/2013.

Pyridine exceeded the RPD limit for the matrix spike duplicate (MSD) of sample AOI72TCLP01AA (280-50385-1) in batch 280-206732. The matrix spike/matrix spike duplicate (MS/MSD) and associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the TCLP semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TCLP METALS

Sample AOI72TCLP01AA (280-50385-1) was analyzed for TCLP metals in accordance with EPA SW-846 Methods 1311/ 6010B. The sample was leached on 12/20/2013, prepared on 12/26/2013 and analyzed on 01/02/2014.

Barium was detected in method blank LB 280-206192/1-E at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

No other difficulties were encountered during the TCLP metals analysis.

All other quality control parameters were within the acceptance limits.

TCLP MERCURY

Sample AOI72TCLP01AA (280-50385-1) was analyzed for TCLP mercury in accordance with EPA SW-846 Methods 1311/7470A. The sample was leached on 12/20/2013, and prepared and analyzed on 12/30/2013.

No difficulties were encountered during the TCLP mercury analysis.

All quality control parameters were within the acceptance limits.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Analysis Batch Number: 204240

Lab Sample ID: IC 280-204240/17 Client Sample ID:

Date Analyzed: 12/06/13 20:58 Lab File ID: C12133.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.78	Assign Peak	contreras e	12/10/13 22:17

Lab Sample ID: IC 280-204240/18 Client Sample ID:

Date Analyzed: 12/06/13 21:18 Lab File ID: C12134.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.77	Assign Peak	contreras e	12/10/13 22:17

Lab Sample ID: ICIS 280-204240/19 Client Sample ID:

Date Analyzed: 12/06/13 21:38 Lab File ID: C12135.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
TBA-d9 (IS)	6.04	Wrong peak	contreras e	12/12/13 14:17

Lab Sample ID: IC 280-204240/20 Client Sample ID:

Date Analyzed: 12/06/13 21:58 Lab File ID: C12136.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.79	Assign Peak	contreras e	12/10/13 22:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Analysis Batch Number: 204240

Lab Sample ID: IC 280-204240/21 Client Sample ID:

Date Analyzed: 12/06/13 22:18 Lab File ID: C12137.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.78	Assign Peak	contreras e	12/10/13 22:16
TBA-d9 (IS)	6.04	Wrong peak	contreras e	12/12/13 14:17

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Analysis Batch Number: 206019

Lab Sample ID: IC 280-206019/16 Client Sample ID:

Date Analyzed: 12/20/13 00:57 Lab File ID: C12354.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	5.66	Split Peak	contreras e	12/20/13 17:27
Acetone	5.76	Assign Peak	contreras e	12/20/13 16:00
1,1-Dichloroethene	5.79	Split Peak	contreras e	12/20/13 16:00
2-Butanone (MEK)	7.08	Split Peak	contreras e	12/20/13 16:26

Lab Sample ID: IC 280-206019/21 Client Sample ID:

Date Analyzed: 12/20/13 02:36 Lab File ID: C12359.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
TBA-d9 (IS)	6.04	Wrong peak	contreras e	12/20/13 16:00

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: SMS_D Analysis Batch Number: 206625

Lab Sample ID: IC 280-206625/2 Client Sample ID:

Date Analyzed: 12/26/13 08:32 Lab File ID: D3014.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.81	Split Peak	hoffmanm	12/26/13 09:31

Lab Sample ID: IC 280-206625/3 Client Sample ID:

Date Analyzed: 12/26/13 08:59 Lab File ID: D3015.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.80	Split Peak	hoffmanm	12/26/13 09:32

Lab Sample ID: IC 280-206625/4 Client Sample ID:

Date Analyzed: 12/26/13 09:27 Lab File ID: D3016.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.79	Split Peak	hoffmanm	12/26/13 11:26

Lab Sample ID: ICIS 280-206625/5 Client Sample ID:

Date Analyzed: 12/26/13 09:54 Lab File ID: D3017.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.79	Split Peak	hoffmanm	12/26/13 11:27

Lab Sample ID: IC 280-206625/6 Client Sample ID:

Date Analyzed: 12/26/13 10:22 Lab File ID: D3018.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.78	Split Peak	hoffmanm	12/26/13 11:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: SMS_D Analysis Batch Number: 206625

Lab Sample ID: IC 280-206625/8 Client Sample ID:

Date Analyzed: 12/26/13 11:16 Lab File ID: D3020.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	19.49	Shouldering	hoffmanm	12/26/13 11:48

Lab Sample ID: IC 280-206625/9 Client Sample ID:

Date Analyzed: 12/26/13 11:44 Lab File ID: D3021.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	19.50	Shouldering	hoffmanm	12/26/13 12:12

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Analysis Batch Number: 204240

Lab Sample ID: IC 280-204240/17 Client Sample ID:

Date Analyzed: 12/06/13 20:58 Lab File ID: C12133.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.78	Assign Peak	contreras e	12/10/13 22:17

Lab Sample ID: IC 280-204240/18 Client Sample ID:

Date Analyzed: 12/06/13 21:18 Lab File ID: C12134.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.77	Assign Peak	contreras e	12/10/13 22:17

Lab Sample ID: ICIS 280-204240/19 Client Sample ID:

Date Analyzed: 12/06/13 21:38 Lab File ID: C12135.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
TBA-d9 (IS)	6.04	Wrong peak	contreras e	12/12/13 14:17

Lab Sample ID: IC 280-204240/20 Client Sample ID:

Date Analyzed: 12/06/13 21:58 Lab File ID: C12136.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.79	Assign Peak	contreras e	12/10/13 22:17

8260B

GM 12/31/13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Analysis Batch Number: 204240

Lab Sample ID: IC 280-204240/21 Client Sample ID:

Date Analyzed: 12/06/13 22:18 Lab File ID: C12137.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Propanol	5.78	Assign Peak	contreras e	12/10/13 22:16
TBA-d9 (IS)	6.04	Wrong peak	contreras e	12/12/13 14:17

12/31/13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Analysis Batch Number: 206019

Lab Sample ID: IC 280-206019/16 Client Sample ID:

Date Analyzed: 12/20/13 00:57 Lab File ID: C12354.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Acrolein	5.66	Split Peak	contreras e	12/20/13 17:27
Acetone	5.76	Assign Peak	contreras e	12/20/13 16:00
1,1-Dichloroethene	5.79	Split Peak	contreras e	12/20/13 16:00
2-Butanone (MEK)	7.08	Split Peak	contreras e	12/20/13 16:26

Lab Sample ID: IC 280-206019/21 Client Sample ID:

Date Analyzed: 12/20/13 02:36 Lab File ID: C12359.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
TBA-d9 (IS)	6.04	Wrong peak	contreras e	12/20/13 16:00

12/31/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: SMS_D Analysis Batch Number: 206625

Lab Sample ID: IC 280-206625/2 Client Sample ID:

Date Analyzed: 12/26/13 08:32 Lab File ID: D3014.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.81	Split Peak	hoffmanm	12/26/13 09:31

Lab Sample ID: IC 280-206625/3 Client Sample ID:

Date Analyzed: 12/26/13 08:59 Lab File ID: D3015.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.80	Split Peak	hoffmanm	12/26/13 09:32

Lab Sample ID: IC 280-206625/4 Client Sample ID:

Date Analyzed: 12/26/13 09:27 Lab File ID: D3016.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.79	Split Peak	hoffmanm	12/26/13 11:26

Lab Sample ID: ICIS 280-206625/5 Client Sample ID:

Date Analyzed: 12/26/13 09:54 Lab File ID: D3017.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.79	Split Peak	hoffmanm	12/26/13 11:27

Lab Sample ID: IC 280-206625/6 Client Sample ID:

Date Analyzed: 12/26/13 10:22 Lab File ID: D3018.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Caprolactam	5.78	Split Peak	hoffmanm	12/26/13 11:28

8270C

gms 12/31/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: SMS_D Analysis Batch Number: 206625

Lab Sample ID: IC 280-206625/8 Client Sample ID:

Date Analyzed: 12/26/13 11:16 Lab File ID: D3020.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	19.49	Shouldering	hoffmanm	12/26/13 11:48

Lab Sample ID: IC 280-206625/9 Client Sample ID:

Date Analyzed: 12/26/13 11:44 Lab File ID: D3021.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	19.50	Shouldering	hoffmanm	12/26/13 12:12

GMS 12/31/13

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-50385-1	AOI72TCLP01AA	Solid	12/13/2013 1145	12/17/2013 0945

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-50385-1	**AOI72TCLP01AA**					
TCLP						
Chloroform		5.0	J	10	ug/L	8260B
Arsenic		0.026	J	0.50	mg/L	6010B
Barium		0.51	J	1.0	mg/L	6010B
Cadmium		0.0026	J	0.10	mg/L	6010B
Lead		0.019	J	0.50	mg/L	6010B

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B	
TCLP Extraction	TAL DEN		SW846 1311
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270C	
TCLP Extraction	TAL DEN		SW846 1311
Liquid-Liquid Extraction (Separatory Funnel)	TAL DEN		SW846 3510C
Metals (ICP)	TAL DEN	SW846 6010B	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Total Metals	TAL DEN		SW846 3010A
Mercury (CVAA)	TAL DEN	SW846 7470A	
TCLP Extraction	TAL DEN		SW846 1311
Preparation, Mercury	TAL DEN		SW846 7470A

Lab References:

TAL DEN = TestAmerica Denver

Method References:

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

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Method	Analyst	Analyst ID
SW846 8260B	Wickham, Tom A	TAW
SW846 8270C	Hoffman, Michael G	MGH
SW846 6010B	Trudell, Lynn-Anne M	LMT
SW846 7470A	Rhoades, Chris R	CRR

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Client Sample ID: **AOI72TCLP01AA**

Lab Sample ID: 280-50385-1
Client Matrix: Solid

Date Sampled: 12/13/2013 1145
Date Received: 12/17/2013 0945

8260B Volatile Organic Compounds (GC/MS)-TCLP

Analysis Method:	8260B	Analysis Batch:	280-206457	Instrument ID:	VMS_C
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	C12508.D
Dilution:	1.0	Leach Batch:	280-206207	Initial Weight/Volume:	2 mL
Analysis Date:	12/24/2013 1530			Final Weight/Volume:	20 mL
Prep Date:	12/24/2013 1530				
Leach Date:	12/20/2013 1715				

Analyte	DryWt Corrected: N	Result (ug/L)	Qualifier	DL	LOQ
Benzene		2.0	U	1.6	10
2-Butanone (MEK)		32	U	18	100
Carbon tetrachloride		4.0	U	1.9	10
Chlorobenzene		2.0	U	1.7	10
Chloroform		5.0	J	1.6	10
1,2-Dichloroethane		4.0	U	1.3	10
1,1-Dichloroethene		4.0	U	2.3	10
Tetrachloroethene		4.0	U	2.0	10
Trichloroethene		2.0	U	1.6	10
Vinyl chloride		8.0	U	1.0	10

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		64 - 129
Toluene-d8 (Surr)	83		78 - 120
4-Bromofluorobenzene (Surr)	80		78 - 121
Dibromofluoromethane (Surr)	97		79 - 119

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Client Sample ID: **AOI72TCLP01AA**

Lab Sample ID: 280-50385-1
Client Matrix: Solid

Date Sampled: 12/13/2013 1145
Date Received: 12/17/2013 0945

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

Analysis Method:	8270C	Analysis Batch:	280-206732	Instrument ID:	SMS_D
Prep Method:	3510C	Prep Batch:	280-206455	Lab File ID:	D3082.D
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	200 mL
Analysis Date:	12/27/2013 1755			Final Weight/Volume:	1000 uL
Prep Date:	12/23/2013 2142			Injection Volume:	0.5 uL
Leach Date:	12/20/2013 1715				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
2-Methylphenol		0.020	U	0.0049	0.050
3 & 4 Methylphenol		0.0050	U	0.0013	0.050
Total Cresols		0.020	U	0.0013	0.050
1,4-Dichlorobenzene		0.0050	U	0.0016	0.020
2,4-Dinitrotoluene		0.020	U	0.0083	0.050
Hexachlorobenzene		0.0050	U	0.0033	0.050
Hexachlorobutadiene		0.050	U	0.017	0.050
Hexachloroethane		0.020	U	0.011	0.050
Nitrobenzene		0.010	U	0.0041	0.050
Pentachlorophenol		0.20	U	0.10	0.25
Pyridine		0.010	U J	0.0057	0.10
2,4,6-Trichlorophenol		0.0050	U	0.0014	0.025
2,4,5-Trichlorophenol		0.0050	U	0.0022	0.050

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	86		49 - 120
2-Fluorophenol	85		50 - 120
Phenol-d5	78		47 - 120
2,4,6-Tribromophenol	97		51 - 120
Terphenyl-d14	103		56 - 120
Nitrobenzene-d5	88		51 - 120

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Client Sample ID: **AOI72TCLP01AA**

Lab Sample ID: 280-50385-1
Client Matrix: Solid

Date Sampled: 12/13/2013 1145
Date Received: 12/17/2013 0945

6010B Metals (ICP)-TCLP

Analysis Method:	6010B	Analysis Batch:	280-207248	Instrument ID:	MT_025
Prep Method:	3010A	Prep Batch:	280-206491	Lab File ID:	25a010214.asc
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	10 mL
Analysis Date:	01/02/2014 1321			Final Weight/Volume:	50 mL
Prep Date:	12/26/2013 1215				
Leach Date:	12/20/2013 1715				

Analyte	DryWt Corrected: N	Result (mg/L)	Qualifier	DL	LOQ
Arsenic		0.026	J	0.022	0.50
Barium		0.51	J	0.0020	1.0
Cadmium		0.0026	J	0.0020	0.10
Chromium		0.0045	U	0.0030	0.50
Lead		0.019	J	0.013	0.50
Selenium		0.075	U	0.024	0.10
Silver		0.015	U	0.0040	0.50

7470A Mercury (CVAA)-TCLP

Analysis Method:	7470A	Analysis Batch:	280-207048	Instrument ID:	MT_033
Prep Method:	7470A	Prep Batch:	280-206671	Lab File ID:	131230aa.txt
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	30 mL
Analysis Date:	12/30/2013 1806			Final Weight/Volume:	30 mL
Prep Date:	12/30/2013 0945				
Leach Date:	12/20/2013 1715				

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

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Surrogate Recovery Report

8260B Volatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-50385-1	AOI72TCLP01AA	97	97	83	80
LB 280-206207/1-A		104	106	95	93
LCS 280-206207/2-A		106	105	100	99

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	79-119
DCA = 1,2-Dichloroethane-d4 (Surr)	64-129
TOL = Toluene-d8 (Surr)	78-120
BFB = 4-Bromofluorobenzene (Surr)	78-121

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Surrogate Recovery Report

8270C Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid TCLP

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-50385-1	AOI72TCLP01AA	85	78	88	86	97	103
LB 280-206192/1-D		71	64	78	79	92	104
LCS 280-206192/2-D		86	79	92	93	99	104
280-50385-1 MS	AOI72TCLP01AA MS	82	75	87	87	99	100
280-50385-1 MSD	AOI72TCLP01AA MSD	81	75	86	86	97	101

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

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

TCLP SPLPE Leachate Blank - Batch: 280-206305

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID:	LB 280-206207/1-A	Analysis Batch:	280-206305	Instrument ID:	VMS_C
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	C12459.D
Dilution:	1.0	Leach Batch:	280-206207	Initial Weight/Volume:	2 mL
Analysis Date:	12/23/2013 1104	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	12/23/2013 1104				
Leach Date:	12/20/2013 1715				

Analyte	Result	Qual	DL	LOQ
Benzene	2.0	U	1.6	10
2-Butanone (MEK)	32	U	18	100
Carbon tetrachloride	4.0	U	1.9	10
Chlorobenzene	2.0	U	1.7	10
Chloroform	2.0	U	1.6	10
1,2-Dichloroethane	4.0	U	1.3	10
1,1-Dichloroethene	4.0	U	2.3	10
Tetrachloroethene	4.0	U	2.0	10
Trichloroethene	2.0	U	1.6	10
Vinyl chloride	8.0	U	1.0	10

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	106	64 - 129
Toluene-d8 (Surr)	95	78 - 120
4-Bromofluorobenzene (Surr)	93	78 - 121
Dibromofluoromethane (Surr)	104	79 - 119

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Lab Control Sample - Batch: 280-206305

Method: 8260B
Preparation: 5030B
TCLP

Lab Sample ID:	LCS 280-206207/2-A	Analysis Batch:	280-206305	Instrument ID:	VMS_C
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	C12458.D
Dilution:	1.0	Leach Batch:	280-206207	Initial Weight/Volume:	2 mL
Analysis Date:	12/23/2013 1044	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	12/23/2013 1044				
Leach Date:	12/20/2013 1715				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	56.9	114	74 - 135	
2-Butanone (MEK)	200	199	99	44 - 150	
Carbon tetrachloride	50.0	60.7	121	67 - 135	
Chlorobenzene	50.0	55.0	110	76 - 135	
Chloroform	50.0	59.3	119	76 - 120	
1,2-Dichloroethane	50.0	59.2	118	70 - 135	
1,1-Dichloroethene	50.0	58.5	117	71 - 136	
Tetrachloroethene	50.0	53.2	106	70 - 135	
Trichloroethene	50.0	56.6	113	73 - 135	
Vinyl chloride	50.0	43.0	86	40 - 144	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	64 - 129
Toluene-d8 (Surr)	100	78 - 120
4-Bromofluorobenzene (Surr)	99	78 - 121
Dibromofluoromethane (Surr)	106	79 - 119

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

TCLP SPLPE Leachate Blank - Batch: 280-206455

Method: 8270C
Preparation: 3510C
TCLP

Lab Sample ID:	LB 280-206192/1-D	Analysis Batch:	280-206732	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-206455	Lab File ID:	D3064.D
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	200 mL
Analysis Date:	12/27/2013 0938	Units:	mg/L	Final Weight/Volume:	1000 uL
Prep Date:	12/23/2013 2142			Injection Volume:	0.5 uL
Leach Date:	12/20/2013 1715				

Analyte	Result	Qual	DL	LOQ
2-Methylphenol	0.020	U	0.0049	0.050
3 & 4 Methylphenol	0.0050	U	0.0013	0.050
Total Cresols	0.020	U	0.0013	0.050
1,4-Dichlorobenzene	0.0050	U	0.0016	0.020
2,4-Dinitrotoluene	0.020	U	0.0083	0.050
Hexachlorobenzene	0.0050	U	0.0033	0.050
Hexachlorobutadiene	0.050	U	0.017	0.050
Hexachloroethane	0.020	U	0.011	0.050
Nitrobenzene	0.010	U	0.0041	0.050
Pentachlorophenol	0.20	U	0.10	0.25
Pyridine	0.010	U	0.0057	0.10
2,4,6-Trichlorophenol	0.0050	U	0.0014	0.025
2,4,5-Trichlorophenol	0.0050	U	0.0022	0.050

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	79	49 - 120
2-Fluorophenol	71	50 - 120
Phenol-d5	64	47 - 120
2,4,6-Tribromophenol	92	51 - 120
Terphenyl-d14	104	56 - 120
Nitrobenzene-d5	78	51 - 120

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Lab Control Sample - Batch: 280-206455

Method: 8270C
Preparation: 3510C
TCLP

Lab Sample ID:	LCS 280-206192/2-D	Analysis Batch:	280-206732	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-206455	Lab File ID:	D3065.D
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	200 mL
Analysis Date:	12/27/2013 1005	Units:	mg/L	Final Weight/Volume:	1000 uL
Prep Date:	12/23/2013 2142			Injection Volume:	0.5 uL
Leach Date:	12/20/2013 1715				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
2-Methylphenol	0.250	0.231	92	45 - 120	
3 & 4 Methylphenol	0.500	0.469	94	44 - 120	
1,4-Dichlorobenzene	0.250	0.214	86	36 - 120	
2,4-Dinitrotoluene	0.100	0.0757	76	36 - 120	
Hexachlorobenzene	0.100	0.0990	99	52 - 120	
Hexachlorobutadiene	0.250	0.210	84	35 - 120	
Hexachloroethane	0.250	0.206	82	35 - 120	
Nitrobenzene	0.250	0.239	96	50 - 120	
Pentachlorophenol	0.500	0.523	105	39 - 120	
Pyridine	0.250	0.169	68	10 - 121	
2,4,6-Trichlorophenol	0.250	0.245	98	43 - 120	
2,4,5-Trichlorophenol	0.250	0.254	101	46 - 120	

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	93	49 - 120
2-Fluorophenol	86	50 - 120
Phenol-d5	79	47 - 120
2,4,6-Tribromophenol	99	51 - 120
Terphenyl-d14	104	56 - 120
Nitrobenzene-d5	92	51 - 120

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-206455

Method: 8270C
Preparation: 3510C
TCLP

MS Lab Sample ID:	280-50385-1	Analysis Batch:	280-206732	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-206455	Lab File ID:	D3083.D
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	200 mL
Analysis Date:	12/27/2013 1823			Final Weight/Volume:	1000 uL
Prep Date:	12/23/2013 2142			Injection Volume:	0.5 uL
Leach Date:	12/20/2013 1715				

MSD Lab Sample ID:	280-50385-1	Analysis Batch:	280-206732	Instrument ID:	SMS_D
Client Matrix:	Solid	Prep Batch:	280-206455	Lab File ID:	D3084.D
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	200 mL
Analysis Date:	12/27/2013 1850			Final Weight/Volume:	1000 uL
Prep Date:	12/23/2013 2142			Injection Volume:	0.5 uL
Leach Date:	12/20/2013 1715				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
2-Methylphenol	90	88	45 - 120	2	30		
3 & 4 Methylphenol	93	92	44 - 120	1	30		
1,4-Dichlorobenzene	75	78	36 - 120	5	30		
2,4-Dinitrotoluene	83	82	36 - 120	2	30		
Hexachlorobenzene	98	97	52 - 120	1	30		
Hexachlorobutadiene	70	76	35 - 120	9	30		
Hexachloroethane	61	66	35 - 120	9	30		
Nitrobenzene	91	90	50 - 120	0	30		
Pentachlorophenol	89	91	39 - 120	1	30		
Pyridine	42	75	10 - 121	58	30		J
2,4,6-Trichlorophenol	98	96	43 - 120	1	30		
2,4,5-Trichlorophenol	100	99	46 - 120	1	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	87	86	49 - 120
2-Fluorophenol	82	81	50 - 120
Phenol-d5	75	75	47 - 120
2,4,6-Tribromophenol	99	97	51 - 120
Terphenyl-d14	100	101	56 - 120
Nitrobenzene-d5	87	86	51 - 120

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-206455

Method: 8270C
Preparation: 3510C
TCLP

MS Lab Sample ID:	280-50385-1	Units:	mg/L	MSD Lab Sample ID:	280-50385-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	12/27/2013 1823			Analysis Date:	12/27/2013 1850
Prep Date:	12/23/2013 2142			Prep Date:	12/23/2013 2142
Leach Date:	12/20/2013 1715			Leach Date:	12/20/2013 1715

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
2-Methylphenol	0.020	U	0.250	0.250	0.225	0.220	
3 & 4 Methylphenol	0.0050	U	0.500	0.500	0.466	0.461	
1,4-Dichlorobenzene	0.0050	U	0.250	0.250	0.186	0.196	
2,4-Dinitrotoluene	0.020	U	0.100	0.100	0.0828	0.0816	
Hexachlorobenzene	0.0050	U	0.100	0.100	0.0979	0.0974	
Hexachlorobutadiene	0.050	U	0.250	0.250	0.174	0.190	
Hexachloroethane	0.020	U	0.250	0.250	0.152	0.166	
Nitrobenzene	0.010	U	0.250	0.250	0.227	0.226	
Pentachlorophenol	0.20	U	0.500	0.500	0.447	0.453	
Pyridine	0.010	U	0.250	0.250	0.104	0.188	J
2,4,6-Trichlorophenol	0.0050	U	0.250	0.250	0.244	0.241	
2,4,5-Trichlorophenol	0.0050	U	0.250	0.250	0.251	0.248	

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

TCLP SPLPE Leachate Blank - Batch: 280-206491

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LB 280-206192/1-E	Analysis Batch:	280-207248	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-206491	Lab File ID:	25a010214.asc
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	10 mL
Analysis Date:	01/02/2014 1316	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/26/2013 1215				
Leach Date:	12/20/2013 1715				

Analyte	Result	Qual	DL	LOQ
Arsenic	0.065	U	0.022	0.50
Barium	0.0317	J	0.0020	1.0
Cadmium	0.0070	U	0.0020	0.10
Chromium	0.0045	U	0.0030	0.50
Lead	0.035	U	0.013	0.50
Selenium	0.075	U	0.024	0.10
Silver	0.015	U	0.0040	0.50

Lab Control Sample - Batch: 280-206491

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	LCS 280-206192/2-E	Analysis Batch:	280-207248	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-206491	Lab File ID:	25a010214.asc
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	10 mL
Analysis Date:	01/02/2014 1318	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/26/2013 1215				
Leach Date:	12/20/2013 1715				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	4.00	4.59	115	80 - 120	
Barium	12.0	13.1	109	80 - 120	
Cadmium	1.10	1.19	108	80 - 120	
Chromium	5.20	5.79	111	80 - 120	
Lead	5.50	5.75	105	80 - 120	
Selenium	3.00	3.22	107	80 - 120	
Silver	1.05	1.21	115	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Post Digestion Spike - Batch: 280-206491

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	280-50385-1	Analysis Batch:	280-207248	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-206491	Lab File ID:	25a010214.asc
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	10 mL
Analysis Date:	01/02/2014 1330	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/26/2013 1215				
Leach Date:	12/20/2013 1715				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	0.026	J	0.980	1.21	121	75 - 125	
Barium	0.51	J	0.490	1.03	104	75 - 125	
Cadmium	0.0026	J	0.245	0.281	114	75 - 125	
Chromium	0.0045	U	0.245	0.289	118	75 - 125	J
Lead	0.019	J	0.490	0.546	108	75 - 125	
Selenium	0.075	U	0.980	1.09	111	75 - 125	
Silver	0.015	U	0.245	0.291	119	75 - 125	J

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-206491

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-50385-1	Analysis Batch:	280-207248	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-206491	Lab File ID:	25a010214.asc
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	10 mL
Analysis Date:	01/02/2014 1325			Final Weight/Volume:	50 mL
Prep Date:	12/26/2013 1215				
Leach Date:	12/20/2013 1715				

MSD Lab Sample ID:	280-50385-1	Analysis Batch:	280-207248	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-206491	Lab File ID:	25a010214.asc
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	10 mL
Analysis Date:	01/02/2014 1328			Final Weight/Volume:	50 mL
Prep Date:	12/26/2013 1215				
Leach Date:	12/20/2013 1715				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	112	115	80 - 120	3	20		
Barium	107	108	80 - 120	1	20		
Cadmium	105	108	80 - 120	3	20		
Chromium	108	111	80 - 120	3	20		
Lead	102	104	80 - 120	2	20		
Selenium	104	108	80 - 120	3	20		
Silver	114	115	80 - 120	1	20		

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-206491

Method: 6010B
Preparation: 3010A
TCLP

MS Lab Sample ID:	280-50385-1	Units:	mg/L	MSD Lab Sample ID:	280-50385-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	01/02/2014 1325			Analysis Date:	01/02/2014 1328
Prep Date:	12/26/2013 1215			Prep Date:	12/26/2013 1215
Leach Date:	12/20/2013 1715			Leach Date:	12/20/2013 1715

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.026	J	4.00	4.00	4.51	4.64
Barium	0.51	J	12.0	12.0	13.4	13.5
Cadmium	0.0026	J	1.10	1.10	1.16	1.19
Chromium	0.0045	U	5.20	5.20	5.63	5.79
Lead	0.019	J	5.50	5.50	5.61	5.75
Selenium	0.075	U	3.00	3.00	3.13	3.24
Silver	0.015	U	1.05	1.05	1.19	1.21

Serial Dilution - Batch: 280-206491

Method: 6010B
Preparation: 3010A
TCLP

Lab Sample ID:	280-50385-1	Analysis Batch:	280-207248	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-206491	Lab File ID:	25a010214.asc
Dilution:	5.0	Leach Batch:	280-206192	Initial Weight/Volume:	10 mL
Analysis Date:	01/02/2014 1323	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	12/26/2013 1215				
Leach Date:	12/20/2013 1715				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Arsenic	0.026	J	0.33	NC	10	U
Barium	0.51	J	0.533	3.6	10	J D
Cadmium	0.0026	J	0.035	NC	10	U
Chromium	0.0045	U	0.023	NC	10	U
Lead	0.019	J	0.18	NC	10	U
Selenium	0.075	U	0.38	NC	10	U
Silver	0.015	U	0.075	NC	10	U

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

TCLP SPLPE Leachate Blank - Batch: 280-206671

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LB 280-206192/1-F	Analysis Batch:	280-207048	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-206671	Lab File ID:	131230aa.txt
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	30 mL
Analysis Date:	12/30/2013 1801	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	12/30/2013 0945				
Leach Date:	12/20/2013 1715				

Analyte	Result	Qual	DL	LOQ
Mercury	0.000080	U	0.000030	0.0020

Lab Control Sample - Batch: 280-206671

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	LCS 280-206192/2-F	Analysis Batch:	280-207048	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-206671	Lab File ID:	131230aa.txt
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	30 mL
Analysis Date:	12/30/2013 1803	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	12/30/2013 0945				
Leach Date:	12/20/2013 1715				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00500	0.00524	105	90 - 116	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-206671

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-50385-1	Analysis Batch:	280-207048	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-206671	Lab File ID:	131230aa.txt
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	30 mL
Analysis Date:	12/30/2013 1810			Final Weight/Volume:	30 mL
Prep Date:	12/30/2013 0945				
Leach Date:	12/20/2013 1715				

MSD Lab Sample ID:	280-50385-1	Analysis Batch:	280-207048	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-206671	Lab File ID:	131230aa.txt
Dilution:	1.0	Leach Batch:	280-206192	Initial Weight/Volume:	30 mL
Analysis Date:	12/30/2013 1813			Final Weight/Volume:	30 mL
Prep Date:	12/30/2013 0945				
Leach Date:	12/20/2013 1715				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	103	104	90 - 116	1	10		

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-206671

Method: 7470A
Preparation: 7470A
TCLP

MS Lab Sample ID:	280-50385-1	Units: mg/L	MSD Lab Sample ID:	280-50385-1
Client Matrix:	Solid		Client Matrix:	Solid
Dilution:	1.0		Dilution:	1.0
Analysis Date:	12/30/2013 1810		Analysis Date:	12/30/2013 1813
Prep Date:	12/30/2013 0945		Prep Date:	12/30/2013 0945
Leach Date:	12/20/2013 1715		Leach Date:	12/20/2013 1715

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.000080	U	0.00500	0.00500	0.00514	0.00520

Serial Dilution - Batch: 280-206671

Method: 7470A
Preparation: 7470A
TCLP

Lab Sample ID:	280-50385-1	Analysis Batch:	280-207048	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-206671	Lab File ID:	131230aa.txt
Dilution:	5.0	Leach Batch:	280-206192	Initial Weight/Volume:	30 mL
Analysis Date:	12/30/2013 1808	Units:	mg/L	Final Weight/Volume:	30 mL
Prep Date:	12/30/2013 0945				
Leach Date:	12/20/2013 1715				

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

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

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

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-206207					
LCS 280-206207/2-A	Lab Control Sample	P	Solid	1311	
LB 280-206207/1-A	TCLP SPLPE Leachate Blank	P	Solid	1311	
280-50385-1	AOI72TCLP01AA	P	Solid	1311	
Analysis Batch:280-206305					
LCS 280-206207/2-A	Lab Control Sample	P	Solid	8260B	
LB 280-206207/1-A	TCLP SPLPE Leachate Blank	P	Solid	8260B	
Analysis Batch:280-206457					
280-50385-1	AOI72TCLP01AA	P	Solid	8260B	

Report Basis
P = TCLP

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-206192					
LCS 280-206192/2-D	Lab Control Sample	P	Solid	1311	
LB 280-206192/1-D	TCLP SPLPE Leachate Blank	P	Solid	1311	
280-50385-1	AOI72TCLP01AA	P	Solid	1311	
280-50385-1MS	Matrix Spike	P	Solid	1311	
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 280-206455					
LCS 280-206192/2-D	Lab Control Sample	P	Solid	3510C	280-206192
LB 280-206192/1-D	TCLP SPLPE Leachate Blank	P	Solid	3510C	280-206192
280-50385-1	AOI72TCLP01AA	P	Solid	3510C	280-206192
280-50385-1MS	Matrix Spike	P	Solid	3510C	280-206192
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	3510C	280-206192
Analysis Batch:280-206732					
LCS 280-206192/2-D	Lab Control Sample	P	Solid	8270C	280-206455
LB 280-206192/1-D	TCLP SPLPE Leachate Blank	P	Solid	8270C	280-206455
280-50385-1	AOI72TCLP01AA	P	Solid	8270C	280-206455
280-50385-1MS	Matrix Spike	P	Solid	8270C	280-206455
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	8270C	280-206455

Report Basis
P = TCLP

Client: FPM Remediations Inc

Job Number: 280-50385-1
Sdg Number: 294

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-206192					
LCS 280-206192/2-E	Lab Control Sample	P	Solid	1311	
LCS 280-206192/2-F	Lab Control Sample	P	Solid	1311	
LB 280-206192/1-E	TCLP SPLPE Leachate Blank	P	Solid	1311	
LB 280-206192/1-F	TCLP SPLPE Leachate Blank	P	Solid	1311	
280-50385-1	AOI72TCLP01AA	P	Solid	1311	
280-50385-1MS	Matrix Spike	P	Solid	1311	
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	1311	
Prep Batch: 280-206491					
LCS 280-206192/2-E	Lab Control Sample	P	Solid	3010A	280-206192
LB 280-206192/1-E	TCLP SPLPE Leachate Blank	P	Solid	3010A	280-206192
280-50385-1	AOI72TCLP01AA	P	Solid	3010A	280-206192
280-50385-1MS	Matrix Spike	P	Solid	3010A	280-206192
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	3010A	280-206192
Prep Batch: 280-206671					
LCS 280-206192/2-F	Lab Control Sample	P	Solid	7470A	280-206192
LB 280-206192/1-F	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-206192
280-50385-1	AOI72TCLP01AA	P	Solid	7470A	280-206192
280-50385-1MS	Matrix Spike	P	Solid	7470A	280-206192
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	7470A	280-206192
Analysis Batch:280-207048					
LCS 280-206192/2-F	Lab Control Sample	P	Solid	7470A	280-206671
LB 280-206192/1-F	TCLP SPLPE Leachate Blank	P	Solid	7470A	280-206671
280-50385-1	AOI72TCLP01AA	P	Solid	7470A	280-206671
280-50385-1MS	Matrix Spike	P	Solid	7470A	280-206671
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	7470A	280-206671
Analysis Batch:280-207248					
LCS 280-206192/2-E	Lab Control Sample	P	Solid	6010B	280-206491
LB 280-206192/1-E	TCLP SPLPE Leachate Blank	P	Solid	6010B	280-206491
280-50385-1	AOI72TCLP01AA	P	Solid	6010B	280-206491
280-50385-1MS	Matrix Spike	P	Solid	6010B	280-206491
280-50385-1MSD	Matrix Spike Duplicate	P	Solid	6010B	280-206491

Report Basis
P = TCLP

Client: FPM Remediations Inc

Job Number: 280-50385-1
SDG: 294

Laboratory Chronicle

Lab ID: 280-50385-1 **Client ID:** AOI72TCLP01AA

Sample Date/Time: 12/13/2013 11:45 Received Date/Time: 12/17/2013 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-50385-A-1-B		280-206457		12/24/2013 15:30	1	TAL DEN	TAW
A:8260B	280-50385-A-1-B		280-206457		12/24/2013 15:30	1	TAL DEN	TAW
P:3510C	280-50385-A-1-C		280-206732	280-206455	12/23/2013 21:42	1	TAL DEN	RJM
A:8270C	280-50385-A-1-C		280-206732	280-206455	12/27/2013 17:55	1	TAL DEN	MGH
P:3010A	280-50385-A-1-F		280-207248	280-206491	12/26/2013 12:15	1	TAL DEN	LLB
A:6010B	280-50385-A-1-F		280-207248	280-206491	01/02/2014 13:21	1	TAL DEN	LMT
P:7470A	280-50385-A-1-I		280-207048	280-206671	12/30/2013 09:45	1	TAL DEN	CRR
A:7470A	280-50385-A-1-I		280-207048	280-206671	12/30/2013 18:06	1	TAL DEN	CRR

Lab ID: 280-50385-1 MS **Client ID:** AOI72TCLP01AA

Sample Date/Time: 12/13/2013 11:45 Received Date/Time: 12/17/2013 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	280-50385-A-1-D MS		280-206732	280-206455	12/23/2013 21:42	1	TAL DEN	RJM
A:8270C	280-50385-A-1-D MS		280-206732	280-206455	12/27/2013 18:23	1	TAL DEN	MGH
P:3010A	280-50385-A-1-G MS		280-207248	280-206491	12/26/2013 12:15	1	TAL DEN	LLB
A:6010B	280-50385-A-1-G MS		280-207248	280-206491	01/02/2014 13:25	1	TAL DEN	LMT
P:7470A	280-50385-A-1-J MS		280-207048	280-206671	12/30/2013 09:45	1	TAL DEN	CRR
A:7470A	280-50385-A-1-J MS		280-207048	280-206671	12/30/2013 18:10	1	TAL DEN	CRR

Lab ID: 280-50385-1 MSD **Client ID:** AOI72TCLP01AA

Sample Date/Time: 12/13/2013 11:45 Received Date/Time: 12/17/2013 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3510C	280-50385-A-1-E MSD		280-206732	280-206455	12/23/2013 21:42	1	TAL DEN	RJM
A:8270C	280-50385-A-1-E MSD		280-206732	280-206455	12/27/2013 18:50	1	TAL DEN	MGH
P:3010A	280-50385-A-1-H MSD		280-207248	280-206491	12/26/2013 12:15	1	TAL DEN	LLB
A:6010B	280-50385-A-1-H MSD		280-207248	280-206491	01/02/2014 13:28	1	TAL DEN	LMT
P:7470A	280-50385-A-1-K MSD		280-207048	280-206671	12/30/2013 09:45	1	TAL DEN	CRR
A:7470A	280-50385-A-1-K MSD		280-207048	280-206671	12/30/2013 18:13	1	TAL DEN	CRR

Client: FPM Remediations Inc

Job Number: 280-50385-1
SDG: 294

Laboratory Chronicle

Lab ID: 280-50385-1 SD **Client ID:** AOI72TCLP01AA

Sample Date/Time: 12/13/2013 11:45 Received Date/Time: 12/17/2013 09:45

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:3010A	280-50385-A-1-F SD ^5		280-207248	280-206491	12/26/2013 12:15	5	TAL DEN	LLB
A:6010B	280-50385-A-1-F SD ^5		280-207248	280-206491	01/02/2014 13:23	5	TAL DEN	LMT
P:3010A	280-50385-A-1-F PDS		280-207248	280-206491	12/26/2013 12:15	1	TAL DEN	LLB
A:6010B	280-50385-A-1-F PDS		280-207248	280-206491	01/02/2014 13:30	1	TAL DEN	LMT
P:7470A	280-50385-A-1-I SD ^5		280-207048	280-206671	12/30/2013 09:45	5	TAL DEN	CRR
A:7470A	280-50385-A-1-I SD ^5		280-207048	280-206671	12/30/2013 18:08	5	TAL DEN	CRR

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LB 280-206207/1-A		280-206305		12/23/2013 11:04	1	TAL DEN	TAW
A:8260B	LB 280-206207/1-A		280-206305		12/23/2013 11:04	1	TAL DEN	TAW
P:3510C	LB 280-206192/1-D		280-206732	280-206455	12/23/2013 21:42	1	TAL DEN	RJM
A:8270C	LB 280-206192/1-D		280-206732	280-206455	12/27/2013 09:38	1	TAL DEN	MGH
P:3010A	LB 280-206192/1-E		280-207248	280-206491	12/26/2013 12:15	1	TAL DEN	LLB
A:6010B	LB 280-206192/1-E		280-207248	280-206491	01/02/2014 13:16	1	TAL DEN	LMT
P:7470A	LB 280-206192/1-F		280-207048	280-206671	12/30/2013 09:45	1	TAL DEN	CRR
A:7470A	LB 280-206192/1-F		280-207048	280-206671	12/30/2013 18:01	1	TAL DEN	CRR

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-206207/2-A		280-206305		12/23/2013 10:44	1	TAL DEN	TAW
A:8260B	LCS 280-206207/2-A		280-206305		12/23/2013 10:44	1	TAL DEN	TAW
P:3510C	LCS 280-206192/2-D		280-206732	280-206455	12/23/2013 21:42	1	TAL DEN	RJM
A:8270C	LCS 280-206192/2-D		280-206732	280-206455	12/27/2013 10:05	1	TAL DEN	MGH
P:3010A	LCS 280-206192/2-E		280-207248	280-206491	12/26/2013 12:15	1	TAL DEN	LLB
A:6010B	LCS 280-206192/2-E		280-207248	280-206491	01/02/2014 13:18	1	TAL DEN	LMT
P:7470A	LCS 280-206192/2-F		280-207048	280-206671	12/30/2013 09:45	1	TAL DEN	CRR
A:7470A	LCS 280-206192/2-F		280-207048	280-206671	12/30/2013 18:03	1	TAL DEN	CRR

Lab References:
TAL DEN = TestAmerica Denver

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270Surrogate_00065	11/15/14	11/15/13	ACETONE, Lot Acetone_00077	2000 mL	8270SurStkHL_00030	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00031	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00032	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00033	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00034	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00035	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00036	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
					8270SurStkHL_00037	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol	100 ug/mL
							Nitrobenzene-d5	100 ug/mL
							Phenol-d5	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14	100 ug/mL
.8270SurStkHL_00030	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00031	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00032	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00033	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00034	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00035	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00036	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SurStkHL_00037	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
8270TCLPSpike_00033	09/03/14	09/03/13	P&T Methanol, Lot MethanolP&T_00068	100 mL	8270 TCLP Stk_00034	10 mL	1,4-Dichlorobenzene	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2-Methylphenol	50 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Methylphenol	100 ug/mL
							4-Methylphenol	100 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Pyridine	50 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8270 TCLP Stk_00034	04/17/15	Supelco, Lot LC00302			(Purchased Reagent)		1,4-Dichlorobenzene	500 ug/mL
							2,4,5-Trichlorophenol	500 ug/mL
							2,4,6-Trichlorophenol	500 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2-Methylphenol	500 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	500 ug/mL
							Hexachloroethane	500 ug/mL
							Nitrobenzene	500 ug/mL
							Pentachlorophenol	1000 ug/mL
							Pyridine	500 ug/mL
Freon_A_00002	04/30/14	10/31/13	P&T Methanol, Lot 38701	10 mL	MV-568037_00010	400 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	40 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	40 ug/mL
							2-Chloro-1,1,1-Trifluoroethane	40 ug/mL
							Chlorotrifluoroethene	40 ug/mL
.MV-568037_00010	04/30/16	Restek, Lot A094928			(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	1000 ug/mL
							1,2-Dichloro-1,1,2,2-tetrafluoroethane	1000 ug/mL
							1,2-Dichloro-1,1,2-trifluoroethane	1000 ug/mL
							2-Chloro-1,1,1-Trifluoroethane	1000 ug/mL
							Chlorotrifluoroethene	1000 ug/mL
Hg Daily Spk_00973	12/31/13	12/30/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00062	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00062	01/30/14	12/30/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg H20 ICV_00644	12/31/13	12/30/13	1% HNO3, Lot K23022	100 mL	Hg Biwk ICV_00124	1 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00124	01/13/14	12/30/13	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00005	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00005	03/27/14	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
Hg H2O CCV_00630	12/31/13	12/30/13	1% HNO3, Lot K23022	100 mL	Hg Daily Spk_00973	5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00973	12/31/13	12/30/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00062	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00062	01/30/14	12/30/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
ICP alt RL_00019	01/03/14	01/02/14	5:HNO3/5%HCl, Lot see reagent log	100 mL	1 ppm As_00002	1.5 mL	Arsenic	0.015 mg/L
					ICP RL STD3A_00005	0.1 mL	Barium	0.005 mg/L
.1 ppm As_00002	03/01/14	03/05/13	1% HNO3, Lot 0000025627	50 mL	1000 As_00009	0.05 mL	Arsenic	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Barium	5 mg/L

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
ICP CCVL_00360	03/01/14	12/17/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00340	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Selenium	1 mg/L
							Barium	0.5 mg/L
							Cadmium	0.5 mg/L
							Chromium	0.5 mg/L
							Silver	0.5 mg/L
.ICP ICAL1A_00340	03/01/14	12/17/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					Icp cal std 3_00007	5 mL	Barium	1 mg/L
							Cadmium	1 mg/L
							Chromium	1 mg/L
							Silver	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Barium	100 mg/L
							Cadmium	100 mg/L
							Chromium	100 mg/L
							Silver	100 mg/L
ICP ICSA_00081	02/01/14	12/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	200 mg/L
							Mg	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
ICP ICSAB_00075	12/30/13	12/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	10000 Si_00008	0.25 mL	Si	10 mg/L
					ANALYTES B_00006	2.5 mL	Barium	0.5 mg/L
							Be	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Co	0.5 mg/L
							Cu	0.5 mg/L
							Lead	1 mg/L
							Mn	0.5 mg/L
							Ni	1 mg/L
							Silver	1 mg/L
							V	0.5 mg/L
							Zn	1 mg/L
					ICP ISAB 1B_00005	2.5 mL	Tl	10 mg/L
					ICP ISAB STD1_00005	2.5 mL	Arsenic	2 mg/L

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							B	2 mg/L
							K	50 mg/L
							Li	1 mg/L
							Mo	1 mg/L
							Na	50 mg/L
							P	2 mg/L
							Sb	1 mg/L
							Selenium	5 mg/L
							Sr	1 mg/L
					ICP ISAB STD2_00005	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00008	25 mL	Al	500 mg/L
							Ca	500 mg/L
							Fe	200 mg/L
							Mg	500 mg/L
.10000 Si_00008	04/01/14	Inorganic ventures, Lot F2-SI03018			(Purchased Reagent)		Si	10000 mg/L
.ANALYTES B_00006	12/30/13	SPEX, Lot 7-166YPY			(Purchased Reagent)		Barium	50 mg/L
							Be	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Co	50 mg/L
							Cu	50 mg/L
							Lead	100 mg/L
							Mn	50 mg/L
							Ni	100 mg/L
							Silver	100 mg/L
							V	50 mg/L
							Zn	100 mg/L
.ICP ISAB 1B_00005	04/11/14	High Purity, Lot 1309814			(Purchased Reagent)		Tl	1000 mg/L
.ICP ISAB STD1_00005	04/11/14	High Purity, Lot 1309813			(Purchased Reagent)		Arsenic	200 mg/L
							B	200 mg/L
							K	5000 mg/L
							Li	100 mg/L
							Mo	100 mg/L
							Na	5000 mg/L
							P	200 mg/L
							Sb	100 mg/L
							Selenium	500 mg/L
							Sr	100 mg/L
.ICP ISAB STD2_00005	04/11/14	High Purity, Lot 1309815			(Purchased Reagent)		Sn	1000 mg/L
							Ti	100 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Al	5000 mg/L
							Ca	5000 mg/L
							Fe	2000 mg/L
							Mg	5000 mg/L
ICP ICVL_00111	03/07/14	12/17/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00005	2 mL	Arsenic	0.25 mg/L
							Barium	0.25 mg/L

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	0.25 mg/L
							Chromium	0.25 mg/L
							Lead	0.25 mg/L
							Selenium	0.5 mg/L
					Icp ICVL B_00005	2 mL	Silver	0.25 mg/L
.Icp ICVL A_00005	03/07/14	High Purity, Lot 1306335			(Purchased Reagent)		Arsenic	25 mg/L
							Barium	25 mg/L
							Cadmium	25 mg/L
							Chromium	25 mg/L
							Lead	25 mg/L
							Selenium	50 mg/L
.Icp ICVL B_00005	03/07/14	HIGH PURITY, Lot 1306324			(Purchased Reagent)		Silver	25 mg/L
ICP PDS 1_00006	07/01/14	Inorganic Ventures, Lot G2-MEB476098			(Purchased Reagent)		Arsenic	20 mg/L
							Barium	10 mg/L
							Cadmium	5 mg/L
							Chromium	5 mg/L
							Lead	10 mg/L
							Selenium	20 mg/L
							Silver	5 mg/L
ICP RL STD_01076	01/03/14	01/02/14	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD3A_00005	0.1 mL	Cadmium	0.005 mg/L
							Chromium	0.01 mg/L
							Silver	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Lead	0.003 mg/L
							Selenium	0.01 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Cadmium	5 mg/L
							Chromium	10 mg/L
							Silver	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Lead	3 mg/L
							Selenium	10 mg/L
ICP SPK 2A_00068	11/01/14	Inorganic Ventures, Lot G2-MEB491083			(Purchased Reagent)		B	100 mg/L
							Mo	100 mg/L
							Sb	50 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00071	12/01/14	Inorganic Ventures, Lot G2-MEB491084			(Purchased Reagent)		Al	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Be	5 mg/L
							Bi	200 mg/L
							Ca	5000 mg/L
							Cadmium	10 mg/L
							Chromium	20 mg/L
							Co	50 mg/L

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cu	25 mg/L
							Fe	100 mg/L
							K	5000 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Mg	5000 mg/L
							Mn	50 mg/L
							Na	5000 mg/L
							Ni	50 mg/L
							P	1000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sr	100 mg/L
							Th	100 mg/L
							Tl	200 mg/L
							U	200 mg/L
							V	50 mg/L
							Zn	50 mg/L
MS-HSLA004_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	10 uL	2,4,6 - Tribromophenol	4 ug/mL
							2,4,6-Tribromophenol	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol	4 ug/mL
							Nitrobenzene-d5	4 ug/mL
							Phenol-d5	4 ug/mL
							Terphenyl-d14	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4.0439 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,3-Dinitrobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Hexadecane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							n-Decane	4 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Atrazine	4 ug/mL
							Benzidine	4 ug/mL
							Caprolactam	4 ug/mL
							Benzoic acid	8 ug/mL
							Indene	4 ug/mL
							Famphur	4 ug/mL
							2,3-Dichlorobenzenamine	4 ug/mL
							3,5-Dimethylphenol	4 ug/mL
							Alachlor	4 ug/mL
							Alpha Methyl Styrene	4 ug/mL
							Benzo[e]pyrene	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00005	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00002	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00005	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

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SDG No.: 294

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA010_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	25 uL	2,4,6 - Tribromophenol	10 ug/mL
							2,4,6-Tribromophenol	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol	10 ug/mL
							Nitrobenzene-d5	10 ug/mL
							Phenol-d5	10 ug/mL
							Terphenyl-d14	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10.1097 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Hexadecane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							Caprolactam	10 ug/mL
							Benzoic acid	20 ug/mL
							Indene	10 ug/mL
							Famphur	10 ug/mL
							2,3-Dichlorobenzenamine	10 ug/mL
							3,5-Dimethylphenol	10 ug/mL
							Alachlor	10 ug/mL
							Alpha Methyl Styrene	10 ug/mL
							Benzo[e]pyrene	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL

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SDG No.: 294

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00005	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00002	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00005	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA020_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	50 uL	2,4,6 - Tribromophenol	20 ug/mL
							2,4,6-Tribromophenol	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol	20 ug/mL
							Nitrobenzene-d5	20 ug/mL
							Phenol-d5	20 ug/mL
							Terphenyl-d14	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20.2195 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	20 ug/mL
							3,3'-Dichlorobenzidine	20 ug/mL
							Atrazine	20 ug/mL
							Benzidine	20 ug/mL
							Caprolactam	20 ug/mL
							Benzoic acid	40 ug/mL
							Indene	20 ug/mL
							Famphur	20 ug/mL
							2,3-Dichlorobenzenamine	20 ug/mL
							3,5-Dimethylphenol	20 ug/mL
							Alachlor	20 ug/mL
							Alpha Methyl Styrene	20 ug/mL
							Benzo[e]pyrene	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00005	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00002	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00005	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA050_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	125 uL	2,4,6 - Tribromophenol	50 ug/mL
							2,4,6-Tribromophenol	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol	50 ug/mL
							Nitrobenzene-d5	50 ug/mL
							Phenol-d5	50 ug/mL
							Terphenyl-d14	50 ug/mL
							1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50.5487 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Hexadecane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							n-Decane	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Atrazine	50 ug/mL
							Benzidine	50 ug/mL
							Caprolactam	50 ug/mL
							Benzoic acid	100 ug/mL
							Indene	50 ug/mL
							Famphur	50 ug/mL
							2,3-Dichlorobenzenamine	50 ug/mL
							3,5-Dimethylphenol	50 ug/mL
							Alachlor	50 ug/mL
							Alpha Methyl Styrene	50 ug/mL
							Benzo[e]pyrene	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Aniline	200 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	200 ug/mL
							Azobenzene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL

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SDG No.: 294

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

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

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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA080_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	200 uL	2,4,6 - Tribromophenol	80 ug/mL
							2,4,6-Tribromophenol	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Phenol-d5	80 ug/mL
							Terphenyl-d14	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							Indene	80 ug/mL
							Famphur	80 ug/mL
							2,3-Dichlorobenzenamine	80 ug/mL
							3,5-Dimethylphenol	80 ug/mL
							Alachlor	80 ug/mL
							Alpha Methyl Styrene	80 ug/mL
							Benzo[e]pyrene	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00005	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00002	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00005	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA120_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	300 uL	2,4,6 - Tribromophenol	120 ug/mL
							2,4,6-Tribromophenol	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol	120 ug/mL
							Nitrobenzene-d5	120 ug/mL
							Phenol-d5	120 ug/mL
							Terphenyl-d14	120 ug/mL
							1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	121.317 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,3-Dinitrobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Hexadecane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							n-Decane	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	120 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Atrazine	120 ug/mL
							Benzidine	120 ug/mL
							Caprolactam	120 ug/mL
							Benzoic acid	240 ug/mL
							Indene	120 ug/mL
							Famphur	120 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,3-Dichlorobenzenamine	120 ug/mL
							3,5-Dimethylphenol	120 ug/mL
							Alachlor	120 ug/mL
							Alpha Methyl Styrene	120 ug/mL
							Benzo[e]pyrene	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL

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SDG No.: 294

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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL

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SDG No.: 294

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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00005	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00002	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00005	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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

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

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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA160_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	400 uL	2,4,6 - Tribromophenol	160 ug/mL
							2,4,6-Tribromophenol	160 ug/mL
							2-Fluorobiphenyl	160 ug/mL
							2-Fluorophenol	160 ug/mL
							Nitrobenzene-d5	160 ug/mL
							Phenol-d5	160 ug/mL
							Terphenyl-d14	160 ug/mL
							1,1'-Biphenyl	160 ug/mL
							1,2,4,5-Tetrachlorobenzene	160 ug/mL
							1,2,4-Trichlorobenzene	160 ug/mL
							1,2-Dichlorobenzene	160 ug/mL
							1,2-Diphenylhydrazine	161.756 ug/mL
							1,3-Dichlorobenzene	160 ug/mL
							1,3-Dinitrobenzene	160 ug/mL
							1,4-Dichlorobenzene	160 ug/mL
							1,4-Dioxane	160 ug/mL
							1-Methylnaphthalene	160 ug/mL
							2,2'-oxybis[1-chloropropane]	160 ug/mL
							2,3,4,6-Tetrachlorophenol	160 ug/mL
							2,4,5-Trichlorophenol	160 ug/mL
							2,4,6-Trichlorophenol	160 ug/mL
							2,4-Dichlorophenol	160 ug/mL
							2,4-Dimethylphenol	160 ug/mL
							2,4-Dinitrophenol	320 ug/mL
							2,4-Dinitrotoluene	160 ug/mL
							2,6-Dinitrotoluene	160 ug/mL
							2-Chloronaphthalene	160 ug/mL
							2-Chlorophenol	160 ug/mL
							2-Methylnaphthalene	160 ug/mL
							2-Methylphenol	160 ug/mL
							2-Nitroaniline	160 ug/mL
							2-Nitrophenol	160 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3-Methylphenol	160 ug/mL
							3-Nitroaniline	160 ug/mL
							4,6-Dinitro-2-methylphenol	320 ug/mL
							4-Bromophenyl phenyl ether	160 ug/mL
							4-Chloro-3-methylphenol	160 ug/mL
							4-Chloroaniline	160 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	160 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	160 ug/mL
							4-Nitrophenol	320 ug/mL
							Acenaphthene	160 ug/mL
							Acenaphthylene	160 ug/mL
							Acetophenone	160 ug/mL
							Aniline	160 ug/mL
							Anthracene	160 ug/mL
							Azobenzene	160 ug/mL
							Benzo[a]anthracene	160 ug/mL
							Benzo[a]pyrene	160 ug/mL
							Benzo[b]fluoranthene	160 ug/mL
							Benzo[g,h,i]perylene	160 ug/mL
							Benzo[k]fluoranthene	160 ug/mL
							Benzyl alcohol	160 ug/mL
							Bis(2-chloroethoxy)methane	160 ug/mL
							Bis(2-chloroethyl)ether	160 ug/mL
							Bis(2-ethylhexyl) phthalate	160 ug/mL
							Butyl benzyl phthalate	160 ug/mL
							Carbazole	160 ug/mL
							Chrysene	160 ug/mL
							Di-n-butyl phthalate	160 ug/mL
							Di-n-octyl phthalate	160 ug/mL
							Dibenz(a,h)anthracene	160 ug/mL
							Dibenzofuran	160 ug/mL
							Diethyl phthalate	160 ug/mL
							Dimethyl phthalate	160 ug/mL
							Fluoranthene	160 ug/mL
							Fluorene	160 ug/mL
							Hexachlorobenzene	160 ug/mL
							Hexachlorobutadiene	160 ug/mL
							Hexachlorocyclopentadiene	160 ug/mL
							Hexachloroethane	160 ug/mL
							Hexadecane	160 ug/mL
							Indeno[1,2,3-cd]pyrene	160 ug/mL
							Isophorone	160 ug/mL
							n-Decane	160 ug/mL
							N-Nitrosodi-n-propylamine	160 ug/mL
							N-Nitrosodimethylamine	160 ug/mL
							Naphthalene	160 ug/mL
							Nitrobenzene	160 ug/mL
							Pentachlorophenol	320 ug/mL
							Phenanthrene	160 ug/mL
							Phenol	160 ug/mL
							Pyrene	160 ug/mL
							Pyridine	160 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	160 ug/mL
							Benzidine	160 ug/mL
							Caprolactam	160 ug/mL
							Benzoic acid	320 ug/mL
							Indene	160 ug/mL
							Famphur	160 ug/mL
							2,3-Dichlorobenzenamine	160 ug/mL
							3,5-Dimethylphenol	160 ug/mL
							Alachlor	160 ug/mL
							Alpha Methyl Styrene	160 ug/mL
							Benzo[e]pyrene	160 ug/mL
							N-Nitrosodiphenylamine	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL

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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL

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

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00005	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00002	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00005	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA200_00003	04/04/14	11/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	500 uL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
							1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
							3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
							Benzoic acid	400 ug/mL
							Indene	200 ug/mL
							Famphur	200 ug/mL
							2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
							N-Nitrosodiphenylamine	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6 - Tribromophenol	200 ug/mL
							2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Hexadecane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							n-Decane	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
							Pyridine	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00012	2 mL	Benzoic acid	400 ug/mL
					MS-567675_00002	1 mL	Indene	200 ug/mL
					MS-568023_00005	1 mL	Famphur	200 ug/mL
					MS-568033_00002	0.5 mL	2,3-Dichlorobenzenamine	200 ug/mL
							3,5-Dimethylphenol	200 ug/mL
							Alachlor	200 ug/mL
							Alpha Methyl Styrene	200 ug/mL
							Benzo[e]pyrene	200 ug/mL
					MS-568038_00005	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00012	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567675_00002	08/31/14		Restek, Lot A093730		(Purchased Reagent)		Indene	2000 ug/mL
..MS-568023_00005	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00002	10/31/14		Restek, Lot A094882		(Purchased Reagent)		2,3-Dichlorobenzenamine	4000 ug/mL
							3,5-Dimethylphenol	4000 ug/mL
							Alachlor	4000 ug/mL
							Alpha Methyl Styrene	4000 ug/mL
							Benzo[e]pyrene	4000 ug/mL
..MS-568038_00005	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

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

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SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLACCV080_00008	04/04/14	12/23/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00003	200 uL	2,4,6-Tribromophenol	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol	80 ug/mL
							Nitrobenzene-d5	80 ug/mL
							Phenol-d5	80 ug/mL
							Terphenyl-d14	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2-Methylphenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Pyridine	80 ug/mL
.MS-HSLA_STK_00003	05/21/14	11/21/13	Methylene Chloride, Lot 42358	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol	200 ug/mL
							Nitrobenzene-d5	200 ug/mL
							Phenol-d5	200 ug/mL
							Terphenyl-d14	200 ug/mL
					MS-567672_00024	2 mL	1,4-Dichlorobenzene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2-Methylphenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Pyridine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol	5000 ug/mL
							Nitrobenzene-d5	5000 ug/mL
							Phenol-d5	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
..MS-567672_00024	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	1000 ug/mL
MS-HSLB1B3SSV_00006	04/04/14	12/26/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLB1_STK_00002	250 uL	1,4-Dichlorobenzene	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2-Methylphenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Pyridine	100 ug/mL
.MS-HSLB1_STK_00002	08/31/14	09/03/13	Methylene Chloride, Lot 42358	10 mL	MS-567672SEC_00001	2 mL	1,4-Dichlorobenzene	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2-Methylphenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Pyridine	200 ug/mL
..MS-567672SEC_00001	08/31/14		Restek, Lot A094002		(Purchased Reagent)		1,4-Dichlorobenzene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	1000 ug/mL
MV-2 Cleve_00016	04/15/14	10/15/13	P&T Methanol, Lot 49909	25 mL	MV-861206_00021	500 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-861206_00021	05/31/14		Supelco, Lot LB85080		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-567649-D_00001	02/28/18		RESTEK, Lot A093504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
MV-ARCH SS A_00012	03/26/14	09/26/13	P&T Methanol, Lot 49909	100 mL	MV-567650_00013	10 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MV-567650_00013	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MV-ARCH SS A_00016	06/17/14	12/17/13	P&T Methanol, Lot 49909	125 mL	MV-567650_00016	12.5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MV-567650_00016	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MV-Gas/Ket A_00018	01/31/14	12/11/13	P&T Methanol, Lot 49909	10 mL	MV-567642_00014	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567644_00022	400 uL	Acrolein	400 ug/mL
					MV-567644_00023	400 uL	Acrolein	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					MV-567645_00014	200 uL	Bromomethane	40 ug/mL
							Butadiene	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-567648_00019	800 uL	Cyclohexanone	1600 ug/mL
.MV-567642_00014	02/29/16		RESTEK, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567644_00022	01/31/14		RESTEK, Lot A098249		(Purchased Reagent)		Acrolein	5000 ug/mL
.MV-567644_00023	01/31/14		RESTEK, Lot A098249		(Purchased Reagent)		Acrolein	5000 ug/mL
.MV-567645_00014	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Butadiene	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-567648_00019	02/29/16		RESTEK, Lot A093361		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
MV-Gas/Ket B_00009	02/28/14	12/06/13	P&T Methanol, Lot 49909	10 mL	MV-567642.sec_00010	160 uL	2-Butanone (MEK)	160 ug/mL
					MV-567645.sec_00012	200 uL	Vinyl chloride	40 ug/mL
.MV-567642.sec_00010	02/28/16		RESTEK, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
.MV-567645.sec_00012	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Vinyl chloride	2000 ug/mL
MV-Main A_00012	02/28/14	10/24/13	P&T Methanol, Lot 49909	25 mL	MV-567641_00011	500 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							2-Methyl-2-propanol	400 ug/mL
							3-Chloro-1-propene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Acrylonitrile	400 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexane	40 ug/mL
							Iodomethane	40 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							n-Heptane	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Tetrahydrofuran	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-567646.sec_00010	500 uL	Vinyl acetate	80 ug/mL
					MV-568034_00004	1000 uL	1-Chlorohexane	40 ug/mL
							2-Pentanone	160 ug/mL
							sec-Butyl Alcohol	1200 ug/mL
.MV-567641_00011	12/31/15	RESTEK, Lot A092262			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							n-Heptane	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-567646.sec_00010	02/28/14		RESTEK, Lot A096669		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
.MV-568034_00004	05/14/14		RESTEK, Lot A094874		(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
							2-Pentanone	4000 ug/mL
							sec-Butyl Alcohol	30000 ug/mL
MV-Main B_00004	12/31/13	11/26/13	P&T Methanol, Lot 49909	20 mL	MV-567641.sec_00004	400 uL	1,1-Dichloroethene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							Benzene	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chloroform	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Trichloroethene	40 ug/mL
.MV-567641.sec_00004	02/29/16		RESTEK, Lot A093733		(Purchased Reagent)		1,1-Dichloroethene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chloroform	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Trichloroethene	2000 ug/mL
MV-Supp A_00005	03/21/14	09/21/13	P&T Methanol, Lot 49909	10 mL	MV-567647_00011	200 uL	1,2,3-Trimethylbenzene	40 ug/mL
							1,3,5-Trichlorobenzene	40 ug/mL
							2-Chloro-1,3-butadiene	40 ug/mL
							2-Nitropropane	80 ug/mL
							Acetonitrile	400 ug/mL
							Benzyl chloride	40 ug/mL
							Ethanol	2000 ug/mL
							Ethyl acetate	80 ug/mL
							Ethyl acrylate	40 ug/mL
							Isopropyl alcohol	400 ug/mL
							Isopropyl ether	40 ug/mL
							Methacrylonitrile	400 ug/mL
							Methyl methacrylate	80 ug/mL
							n-Butanol	1000 ug/mL
							n-Butyl acetate	40 ug/mL
							Propionitrile	400 ug/mL
							Tert-amyl methyl ether	40 ug/mL
							Tert-butyl ethyl ether	40 ug/mL
					MV-568035_00005	400 uL	Ethylene oxide	8000 ug/mL
							Propene oxide	2000 ug/mL
					MV-568035_00006	400 uL	Ethylene oxide	8000 ug/mL
							Propene oxide	2000 ug/mL
					MV-568036_00006	400 uL	cis-1,4-Dichloro-2-butene	40 ug/mL
							Tetrahydrothiophene	40 ug/mL
.MV-567647_00011	08/30/14		RESTEK, Lot A093634		(Purchased Reagent)		1,2,3-Trimethylbenzene	2000 ug/mL
							1,3,5-Trichlorobenzene	2000 ug/mL
							2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Benzyl chloride	2000 ug/mL
							Ethanol	100000 ug/mL
							Ethyl acetate	4000 ug/mL
							Ethyl acrylate	2000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							n-Butanol	50000 ug/mL
							n-Butyl acetate	2000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tert-butyl ethyl ether	2000 ug/mL
.MV-568035_00005	04/30/14	RESTEK, Lot A094880			(Purchased Reagent)		Ethylene oxide	100000 ug/mL
							Propene oxide	25000 ug/mL
.MV-568035_00006	04/30/14	RESTEK, Lot A094880			(Purchased Reagent)		Ethylene oxide	100000 ug/mL
							Propene oxide	25000 ug/mL
.MV-568036_00006	10/31/14	RESTEk, Lot A094886			(Purchased Reagent)		cis-1,4-Dichloro-2-butene	1000 ug/mL
							Tetrahydrothiophene	1000 ug/mL
TCLP Spike_00009	06/01/14	Inorganic Ventures, Lot G2-MEB477032			(Purchased Reagent)		Arsenic	300 mg/L
							Barium	1000 mg/L
							Cadmium	100 mg/L
							Chromium	500 mg/L
							Cu	200 mg/L
							Lead	500 mg/L
							Selenium	100 mg/L
							Silver	100 mg/L
							Zn	200 mg/L

Certification Summary

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

TestAmerica Job ID: 280-50385-1
SDG: 294

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

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

Method 8260B

Volatile Organic Compounds (GC/MS) by Method 8260B

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Matrix: Solid (TCLP) Level: Low

GC Column (1): DB-624 (60.2 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
AOI72TCLP01AA	280-50385-1	97	97	83	80
	LB 280-206207/1-A	104	106	95	93
	LCS 280-206207/2-A	106	105	100	99

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	79-119
DCA = 1,2-Dichloroethane-d4 (Surr)	64-129
TOL = Toluene-d8 (Surr)	78-120
BFB = 4-Bromofluorobenzene (Surr)	78-121

Column to be used to flag recovery values

FORM II 8260B

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Matrix: Solid (TCLP) Level: Low Lab File ID: C12458.D

Lab ID: LCS 280-206207/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Benzene	50.0	56.9	114	74-135	
2-Butanone (MEK)	200	199	99	44-150	
Carbon tetrachloride	50.0	60.7	121	67-135	
Chlorobenzene	50.0	55.0	110	76-135	
Chloroform	50.0	59.3	119	76-120	
1,2-Dichloroethane	50.0	59.2	118	70-135	
1,1-Dichloroethene	50.0	58.5	117	71-136	
Tetrachloroethene	50.0	53.2	106	70-135	
Trichloroethene	50.0	56.6	113	73-135	
Vinyl chloride	50.0	43.0	86	40-144	

Column to be used to flag recovery and RPD values

FORM III 8260B

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab File ID: C12119.D BFB Injection Date: 12/06/2013

Instrument ID: VMS_C BFB Injection Time: 16:08

Analysis Batch No.: 204240

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.3	
75	30.0 - 60.0 % of mass 95	48.8	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	76.9	
175	5.0 - 9.0 % of mass 174	5.1	(6.6)1
176	95.0 - 101.0 % of mass 174	75.4	(98.0)1
177	5.0 - 9.0 % of mass 176	5.3	(7.0)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-204240/16	C12132.D	12/06/2013	20:38
	IC 280-204240/17	C12133.D	12/06/2013	20:58
	IC 280-204240/18	C12134.D	12/06/2013	21:18
	ICIS 280-204240/19	C12135.D	12/06/2013	21:38
	IC 280-204240/20	C12136.D	12/06/2013	21:58
	IC 280-204240/21	C12137.D	12/06/2013	22:18
	ICV 280-204240/22	C12139.D	12/06/2013	22:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab File ID: C12338.D BFB Injection Date: 12/19/2013

Instrument ID: VMS_C BFB Injection Time: 19:35

Analysis Batch No.: 206019

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	21.5	
75	30.0 - 60.0 % of mass 95	51.4	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	75.8	
175	5.0 - 9.0 % of mass 174	6.4	(8.5)1
176	95.0 - 101.0 % of mass 174	74.4	(98.1)1
177	5.0 - 9.0 % of mass 176	4.8	(6.4)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-206019/8	C12344.D	12/19/2013	21:39
	IC 280-206019/9	C12345.D	12/19/2013	21:58
	IC 280-206019/10	C12346.D	12/19/2013	22:18
	IC 280-206019/11	C12347.D	12/19/2013	22:38
	IC 280-206019/12	C12348.D	12/19/2013	22:58
	IC 280-206019/13	C12349.D	12/19/2013	23:18
	ICV 280-206019/14	C12351.D	12/19/2013	23:57
	IC 280-206019/15	C12353.D	12/20/2013	00:37
	IC 280-206019/16	C12354.D	12/20/2013	00:57
	IC 280-206019/17	C12355.D	12/20/2013	01:17
	IC 280-206019/18	C12356.D	12/20/2013	01:36
	IC 280-206019/19	C12357.D	12/20/2013	01:56
	IC 280-206019/20	C12358.D	12/20/2013	02:16
	IC 280-206019/21	C12359.D	12/20/2013	02:36
	ICV 280-206019/22	C12361.D	12/20/2013	03:15

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab File ID: C12450.D BFB Injection Date: 12/23/2013

Instrument ID: VMS_C BFB Injection Time: 08:01

Analysis Batch No.: 206305

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.9	
75	30.0 - 60.0 % of mass 95	52.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.0	
173	Less than 2.0 % of mass 174	0.3	(0.4)1
174	50.0 - 120.00 % of mass 95	75.3	
175	5.0 - 9.0 % of mass 174	6.2	(8.2)1
176	95.0 - 101.0 % of mass 174	75.3	(100.0)1
177	5.0 - 9.0 % of mass 176	5.5	(7.3)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-206305/2	C12452.D	12/23/2013	08:45
	CCV 280-206305/3	C12453.D	12/23/2013	09:05
	CCV 280-206305/9	C12454.D	12/23/2013	09:25
	CCV 280-206305/10	C12455.D	12/23/2013	09:45
	LCS 280-206207/2-A	C12458.D	12/23/2013	10:44
	LB 280-206207/1-A	C12459.D	12/23/2013	11:04

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab File ID: C12483.D BFB Injection Date: 12/24/2013

Instrument ID: VMS_C BFB Injection Time: 06:55

Analysis Batch No.: 206457

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	51.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.5	(0.6)1
174	50.0 - 120.00 % of mass 95	78.2	
175	5.0 - 9.0 % of mass 174	6.2	(7.9)1
176	95.0 - 101.0 % of mass 174	75.3	(96.3)1
177	5.0 - 9.0 % of mass 176	5.5	(7.3)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-206457/2	C12485.D	12/24/2013	07:39
	CCV 280-206457/3	C12486.D	12/24/2013	07:59
AOI72TCLP01AA	280-50385-1	C12508.D	12/24/2013	15:30

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Sample No.: ICIS 280-204240/19 Date Analyzed: 12/06/2013 21:38

Instrument ID: VMS_C GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): C12135.D Heated Purge: (Y/N) N

Calibration ID: 16466

		TBA		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		127173	6.04	1042478	8.03	229090	10.28
UPPER LIMIT		254346	6.54	2084956	8.53	458180	10.78
LOWER LIMIT		63587	5.54	521239	7.53	114545	9.78
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-204240/22		117787	6.04	988036	8.02	211670	10.28
CCV 280-206305/2		175651	6.05	1083922	8.03	318198	10.28
CCV 280-206305/3		169617	6.04	1043779	8.02	300067	10.28
CCV 280-206305/9		176115	6.04	1118686	8.03	326702	10.28
CCV 280-206305/10		151696	6.04	962717	8.02	289574	10.28
LCS 280-206207/2-A		146181	6.03	870432	8.02	266976	10.28
LB 280-206207/1-A		162563	6.04	925485	8.03	278962	10.28
CCV 280-206457/2		168780	6.04	977919	8.02	285858	10.28
CCV 280-206457/3		156399	6.04	896457	8.03	267016	10.28
280-50385-1	AOI72TCLP01AA	152655	6.04	935753	8.02	294170	10.28

TBA = TBA-d9 (IS)
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

Column used to flag values outside QC limits

FORM VIII 8260B

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Sample No.: ICIS 280-204240/19 Date Analyzed: 12/06/2013 21:38

Instrument ID: VMS_C GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): C12135.D Heated Purge: (Y/N) N

Calibration ID: 16466

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		336437	12.16				
UPPER LIMIT		672874	12.66				
LOWER LIMIT		168219	11.66				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-204240/22		303095	12.17				
CCV 280-206305/2		520401	12.17				
CCV 280-206305/3		459397	12.17				
CCV 280-206305/9		489577	12.17				
CCV 280-206305/10		430465	12.16				
LCS 280-206207/2-A		417417	12.17				
LB 280-206207/1-A		435333	12.17				
CCV 280-206457/2		488203	12.17				
CCV 280-206457/3		456139	12.17				
280-50385-1	AOI72TCLP01AA	461774	12.16				

DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: AOI72TCLP01AA | Lab Sample ID: 280-50385-1

Matrix: Solid (TCLP) | Lab File ID: C12508.D

Analysis Method: 8260B | Date Collected: 12/13/2013 11:45

Sample wt/vol: 2(mL) | Date Analyzed: 12/24/2013 15:30

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 206457 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	2.0	U	10	2.0	1.6
78-93-3	2-Butanone (MEK)	32	U	100	32	18
56-23-5	Carbon tetrachloride	4.0	U	10	4.0	1.9
108-90-7	Chlorobenzene	2.0	U	10	2.0	1.7
67-66-3	Chloroform	5.0	J	10	2.0	1.6
107-06-2	1,2-Dichloroethane	4.0	U	10	4.0	1.3
75-35-4	1,1-Dichloroethene	4.0	U	10	4.0	2.3
127-18-4	Tetrachloroethene	4.0	U	10	4.0	2.0
79-01-6	Trichloroethene	2.0	U	10	2.0	1.6
75-01-4	Vinyl chloride	8.0	U	10	8.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	97		64-129
2037-26-5	Toluene-d8 (Surr)	83		78-120
460-00-4	4-Bromofluorobenzene (Surr)	80		78-121
1868-53-7	Dibromofluoromethane (Surr)	97		79-119

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12508.D
Lims ID: 280-50385-A-1-B Lab Sample ID: 280-50385-1
Client ID: AOI72TCLP01AA
Sample Type: Client
Inject. Date: 24-Dec-2013 15:30:30 ALS Bottle#: 34 Worklist Smp#: 27
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: 280-50385-a-1-b 2ml
Operator ID: wickhamt Instrument ID: VMS_C

Method: \\Denchrom\ChromData\VMS_C\20131224-18567.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 26-Dec-2013 07:34:13 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK052

First Level Reviewer: wickhamt Date: 26-Dec-2013 07:33:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	152655	250.0	
* 1 Fluorobenzene	96	8.021	8.027	-0.006	98	935753	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	88	294170	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.169	-0.006	97	461774	12.5	
* 149 1,4-Dioxane-d8	96		0.0					
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.469	0.005	70	290457	12.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.768	7.769	-0.001	0	253756	12.2	
$ 7 Toluene-d8 (Surr)	98	9.184	9.185	-0.001	95	1305279	10.3	
$ 8 4-Bromofluorobenzene (Surr)	95	11.164	11.170	-0.006	85	417638	10.0	
27 Vinyl chloride	62		4.631					
43 1,1-Dichloroethene	96		5.788					
61 2-Butanone (MEK)	43		7.075					
68 Chloroform	83	7.339	7.339	0.0	75	28253	0.4999	
74 Carbon tetrachloride	117		7.704					
75 1,2-Dichloroethane	62		7.833					
77 Benzene	78		7.850					
79 Trichloroethene	95		8.303					
97 Tetrachloroethene	164		9.654					
102 Chlorobenzene	112		10.306					

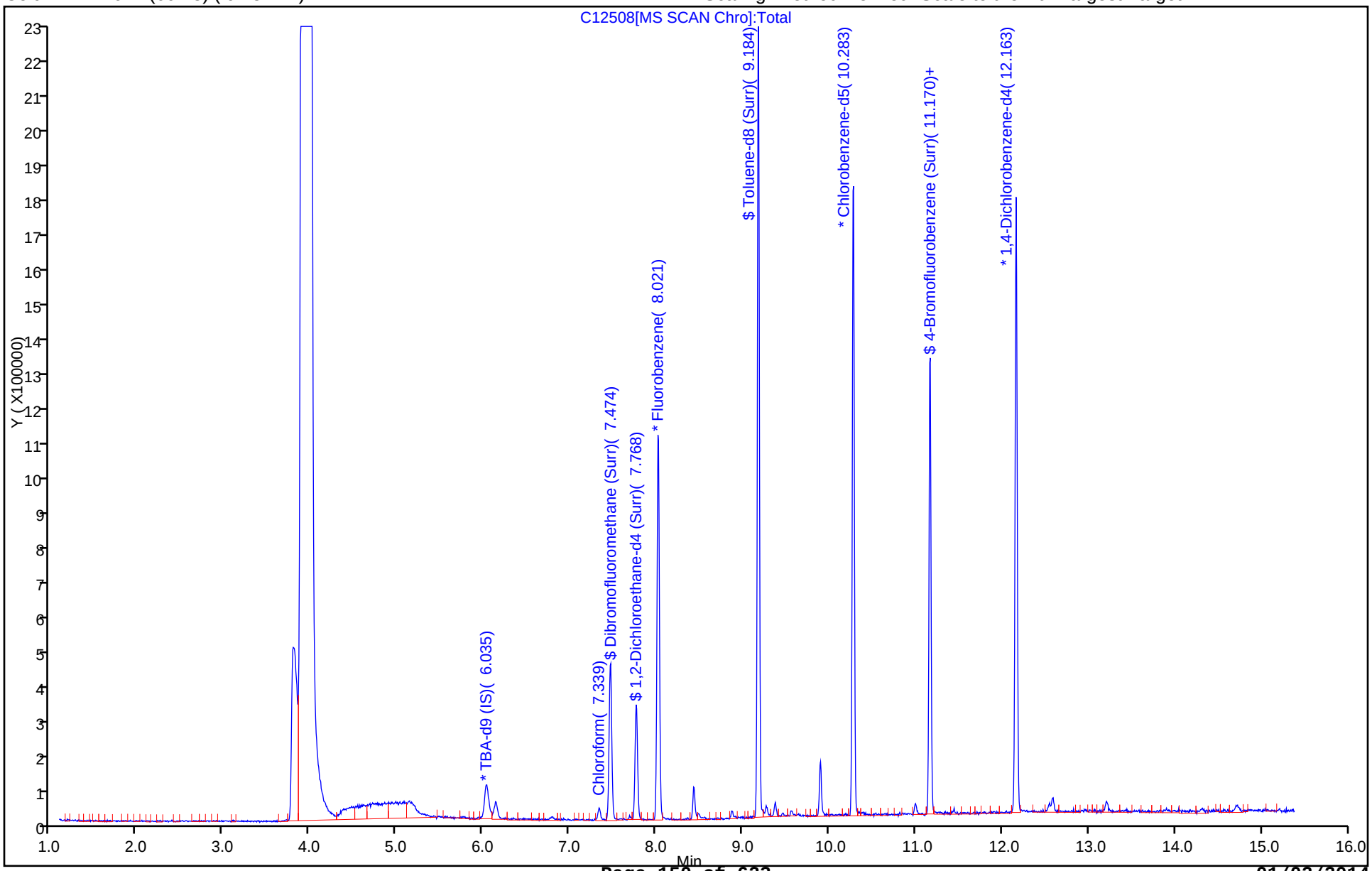
Report Date: 26-Dec-2013 07:35:14 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12508.D

Injection Date:	24-Dec-2013 15:30:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	280-50385-A-1-B	Lab Sample ID:	280-50385-1	Worklist Smp#:	27
Client ID:	AOI72TCLP01AA				
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	34
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



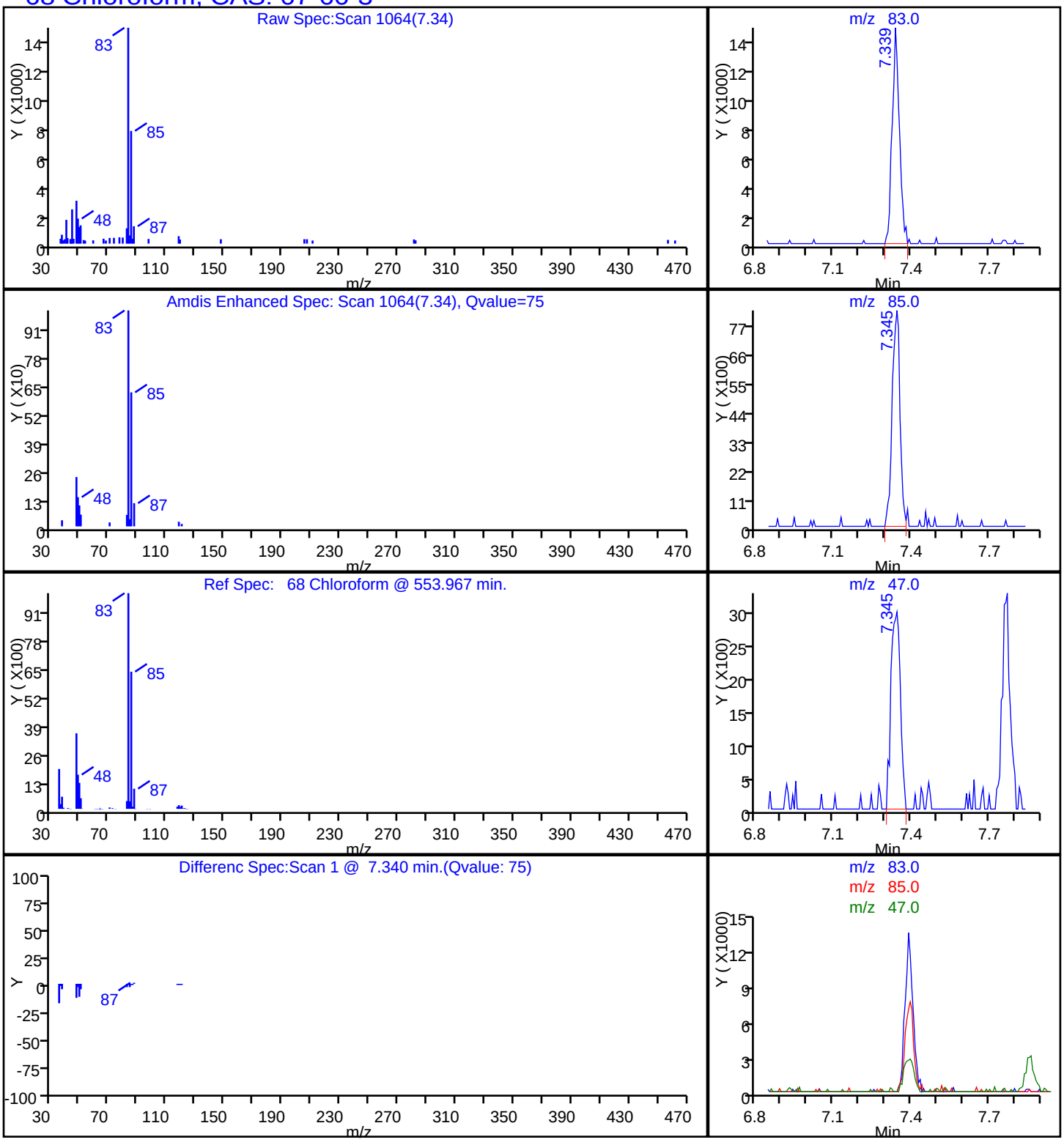
Report Date: 26-Dec-2013 07:35:14 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12508.D

Injection Date:	24-Dec-2013 15:30:30	Instrument ID:	VMS_C		
Lims ID:	280-50385-A-1-B	Lab Sample ID:	280-50385-1		
Client ID:	AOI72TCLP01AA				
Operator ID:	wickhamt	ALS Bottle#:	34	Worklist Smp#:	27
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

68 Chloroform, CAS: 67-66-3



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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 204240

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2013 20:38 Calibration End Date: 12/06/2013 22:18 Calibration ID: 16466

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-204240/16	C12132.D
Level 2	IC 280-204240/17	C12133.D
Level 3	IC 280-204240/18	C12134.D
Level 4	ICIS 280-204240/19	C12135.D
Level 5	IC 280-204240/20	C12136.D
Level 6	IC 280-204240/21	C12137.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Chlorotrifluoroethene	0.1154 0.1744	0.1674	0.1648	0.1615	0.1958	Lin2	-0.061	0.1819							0.9930		0.9900
1,2-Dichloro-1,1,2,2-tetrafluoroethane	0.3692 0.2579	0.3221	0.2921	0.2685	0.2996	Ave		0.3016				13.0		15.0			
2-Chloro-1,1,1-Trifluoroethane	0.3836 0.2544	0.3192	0.2913	0.2748	0.2916	Ave		0.3025				15.0		15.0			
Ethylene oxide	+++++ 0.0031	0.0040	0.0035	0.0034	0.0039	Ave		0.0036				11.0		15.0			
Ethanol	0.2260 0.1602	0.2365	0.1552	0.1525	0.1821	Lin	4.6780	0.1621							0.9950		0.9900
1,2-Dichloro-1,1,2-trifluoroethane	0.4169 0.3105	0.3983	0.3422	0.3251	0.3583	Ave		0.3585				12.0		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.7800 0.5542	0.6864	0.6022	0.5702	0.6317	Ave		0.6374				13.0		15.0			
Propene oxide	+++++ 0.0182	0.0241	0.0206	0.0196	0.0211	Ave		0.0207				11.0		15.0			
2-Propanol	+++++ 0.8531	1.0998	0.6814	0.9276	0.9156	Lin1	1.7299	0.8661							0.9940		0.9900
Acetonitrile	0.0232 0.0105	0.0155	0.0118	0.0109	0.0115	Lin2	0.1267	0.0100							0.9920		0.9900
Isopropyl ether	48.317 32.090	41.042	32.492	31.922	34.804	Lin2	16.669	31.638							0.9950		0.9900
Chloroprene	0.7572 0.5500	0.6727	0.5578	0.5548	0.6397	Ave		0.6220				13.0		15.0			
Tert-butyl ethyl ether	0.9012 0.5964	0.7807	0.6612	0.6259	0.6847	Lin2	0.2855	0.6203							0.9960		0.9900
Ethyl acetate	0.0808 0.0464	0.0606	0.0533	0.0493	0.0524	Lin2	0.0644	0.0472							0.9960		0.9900
Propionitrile	0.0167 0.0104	0.0136	0.0114	0.0108	0.0116	Lin2	0.0609	0.0105							0.9970		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 204240

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2013 20:38 Calibration End Date: 12/06/2013 22:18 Calibration ID: 16466

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methacrylonitrile	0.0824 0.0539	0.0721	0.0606	0.0581	0.0627	Lin2	0.2619	0.0569							0.9960		0.9900
Tert-amyl methyl ether	0.6671 0.4439	0.5671	0.4802	0.4598	0.4958	Lin2	0.2140	0.4530							0.9970		0.9900
n-Butanol	0.9544 0.3847	0.7616	0.5063	0.3911	0.4061	Lin1	15.649	0.3744							0.9970		0.9900
Ethyl acrylate	0.7422 0.5241	0.6460	0.5632	0.5426	0.5921	Ave		0.6017				13.0		15.0			
Methyl methacrylate	0.0334 0.0232	0.0284	0.0238	0.0226	0.0246	Lin2	0.0210	0.0227							0.9970		0.9900
2-Nitropropane	0.0314 0.0200	0.0278	0.0197	0.0190	0.0215	Lin1	0.0212	0.0200							0.9960		0.9900
n-Butyl acetate	0.7484 0.4544	0.5740	0.4901	0.4516	0.5093	Lin2	0.2844	0.4503							0.9940		0.9900
Tetrahydrothiophene	0.1821 0.2630	0.1827	0.1753	0.1907	0.2738	Lin1	-0.165	0.2622							0.9900		0.9900
cis-1,4-Dichloro-2-butene	0.1820 +++++	0.1377	0.1003	0.0916	0.1117	Lin	-0.013	0.1103							0.9930		0.9900
1,2,3-Trimethylbenzene	5.0292 3.3090	3.8895	3.2595	3.3633	3.7578	Lin2	1.6030	3.2738							0.9900		0.9900
Benzyl chloride	0.2811 0.1725	0.2220	0.1733	0.1762	0.1959	Lin1	0.0879	0.1764							0.9950		0.9900
1,3,5-Trichlorobenzene	1.8863 1.3317	1.4927	1.2250	1.3336	1.5210	Lin1	0.3063	1.3706							0.9940		0.9900
Dibromofluoromethane (Surr)	0.2918 0.2204	0.2844	0.2471	0.2281	0.2460	Ave		0.2530				12.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2701 0.1889	0.2613	0.2160	0.2005	0.2162	Ave		0.2255				15.0		15.0			
Toluene-d8 (Surr)	6.1752 4.7391	5.9557	5.1414	5.0001	5.4826	Ave		5.4157				10.0		15.0			
4-Bromofluorobenzene (Surr)	1.4807 1.0789	1.3093	1.1156	1.1085	1.2027	Ave		1.2160				13.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 204240

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2013 20:38 Calibration End Date: 12/06/2013 22:18 Calibration ID: 16466

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-204240/16	C12132.D
Level 2	IC 280-204240/17	C12133.D
Level 3	IC 280-204240/18	C12134.D
Level 4	ICIS 280-204240/19	C12135.D
Level 5	IC 280-204240/20	C12136.D
Level 6	IC 280-204240/21	C12137.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Chlorotrifluoroethene	FB	Lin2	8576 898685	25780	66004	134681	449261	1.00 60.0	2.00	5.00	10.0	30.0
1,2-Dichloro-1,1,2,2-tetrafluoroeth ane	FB	Ave	27431 1328710	49603	117011	223943	687488	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloro-1,1,1-Trifluoroethane	FB	Ave	28507 1310637	49155	116707	229212	669233	1.00 60.0	2.00	5.00	10.0	30.0
Ethylene oxide	FB	Ave	+++++ 3156359	122760	280713	562932	1783960	+++++ 12000	400	1000	2000	6000
Ethanol	TBA	Lin	5022 241998	10683	19214	38786	127634	50.0 3000	100	250	500	1500
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	30982 1599575	61329	137073	271098	822277	1.00 60.0	2.00	5.00	10.0	30.0
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	57963 2855444	105696	241206	475549	1449589	1.00 60.0	2.00	5.00	10.0	30.0
Propene oxide	FB	Ave	+++++ 4679023	185423	412618	817617	2419563	+++++ 3000	100	250	500	1500
2-Propanol	TBA	Lin1	+++++ 257756	9937	16873	47186	128362	+++++ 600	20.0	50.0	100	300
Acetonitrile	FB	Lin2	17228 539676	23915	47320	90705	263178	10.0 600	20.0	50.0	100	300
Isopropyl ether	TBA	Lin2	21474 969557	37082	80461	162387	487953	1.00 60.0	2.00	5.00	10.0	30.0
Chloroprene	FB	Ave	56264 2833676	103588	223431	462681	1468031	1.00 60.0	2.00	5.00	10.0	30.0
Tert-butyl ethyl ether	FB	Lin2	66966 3072973	120218	264869	522004	1571365	1.00 60.0	2.00	5.00	10.0	30.0
Ethyl acetate	FB	Lin2	12009 477699	18669	42734	82298	240460	2.00 120	4.00	10.0	20.0	60.0
Propionitrile	FB	Lin2	12390 534292	20878	45641	89750	265093	10.0 600	20.0	50.0	100	300
Methacrylonitrile	FB	Lin2	61205 2779185	111002	242672	484578	1439087	10.0 600	20.0	50.0	100	300

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 204240

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/06/2013 20:38 Calibration End Date: 12/06/2013 22:18 Calibration ID: 16466

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Lin2	49567 2287290	87320	192366	383435	1137725	1.00 60.0	2.00	5.00	10.0	30.0
n-Butanol	TBA	Lin1	10604 290583	17202	31341	49741	142353	25.0 1500	50.0	125	250	750
Ethyl acrylate	CBZ	Ave	12365 594783	21914	49770	99442	281762	1.00 60.0	2.00	5.00	10.0	30.0
Methyl methacrylate	FB	Lin2	4960 239301	8733	19041	37667	113105	2.00 120	4.00	10.0	20.0	60.0
2-Nitropropane	FB	Lin1	4668 205933	8552	15759	31668	98539	2.00 120	4.00	10.0	20.0	60.0
n-Butyl acetate	CBZ	Lin2	12468 515678	19470	43306	82769	242359	1.00 60.0	2.00	5.00	10.0	30.0
Tetrahydrothiophene	CBZ	Lin1	3034 298462	6196	15490	34941	130301	1.00 60.0	2.00	5.00	10.0	30.0
cis-1,4-Dichloro-2-butene	DCB	Lin	4149 +++++	6492	12512	24661	75806	1.00 +++++	2.00	5.00	10.0	30.0
1,2,3-Trimethylbenzene	DCB	Lin2	114674 5464416	183389	406567	905223	2549636	1.00 60.0	2.00	5.00	10.0	30.0
Benzyl chloride	CBZ	Lin1	4683 195710	7531	15315	32289	93239	1.00 60.0	2.00	5.00	10.0	30.0
1,3,5-Trichlorobenzene	DCB	Lin1	43010 2199192	70382	152798	358945	1031971	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	21683 1135640	43792	98985	190214	564467	1.00 60.0	2.00	5.00	10.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	20068 973240	40233	86511	167255	496227	1.00 60.0	2.00	5.00	10.0	30.0
Toluene-d8 (Surr)	CBZ	Ave	102875 5378175	202032	454317	916386	2609144	1.00 60.0	2.00	5.00	10.0	30.0
4-Bromofluorobenzene (Surr)	DCB	Ave	33762 1781715	61735	139157	298353	816017	1.00 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12132.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 06-Dec-2013 20:38:30 ALS Bottle#: 22 Worklist Smp#: 16
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub85

Method: \\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 13-Dec-2013 20:33:19 Calib Date: 06-Dec-2013 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK011

First Level Reviewer: contrerase Date: 10-Dec-2013 22:18:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.042	6.041	0.001	0	111110	250.0	
* 1 Fluorobenzene	96	8.022	8.027	-0.005	98	928846	12.5	
* 2 Chlorobenzene-d5	119	10.284	10.283	0.001	87	208243	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.170	12.169	0.001	97	285019	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.476	7.474	0.002	72	21683	1.15	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.776	7.774	0.002	0	20068	1.20	
$ 7 Toluene-d8 (Surr)	98	9.186	9.184	0.002	93	102875	1.14	
$ 8 4-Bromofluorobenzene (Surr)	95	11.172	11.170	0.002	83	33762	1.22	
22 Chlorotrifluoroethene	116	4.186	4.190	-0.004	85	8576	0.9676	
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.409	4.407	0.002	91	27431	1.22	
23 2-Chloro-1,1,1-Trifluoroethane	118	4.679	4.677	0.002	1	28507	1.27	
28 Ethylene oxide	43	4.944	4.948	-0.004	100	78266	295.6	
34 Ethanol	45	5.343	5.359	-0.016	66	5022	40.8	
35 1,2-Dichloro-1,1,2-trifluoroetha	117	5.490	5.488	0.002	76	30982	1.16	
37 1,1,1-Trifluoro-2,2-dichloroetha	83	5.525	5.535	-0.010	90	57963	1.22	
38 Propene oxide	58	5.613	5.612	0.001	96	106164	69.0	
41 Isopropyl alcohol	45		5.782					M
44 Acetonitrile	41	6.001	6.005	-0.004	99	17228	10.5	
56 Isopropyl ether	87	6.642	6.640	0.002	95	21474	1.00	
58 2-Chloro-1,3-butadiene	53	6.765	6.769	-0.004	88	56264	1.22	
59 Tert-butyl ethyl ether	59	6.930	6.928	0.002	99	66966	0.99	
60 Ethyl acetate	43	7.065	7.063	0.002	95	12009	2.06	
63 Propionitrile	54	7.147	7.139	0.008	89	12390	10.1	
66 Methacrylonitrile	41	7.270	7.268	0.002	95	61205	9.88	
76 Tert-amyl methyl ether	73	7.829	7.833	-0.005	97	49567	1.00	
78 n-Butanol	56	8.034	8.038	-0.004	67	10604	21.9	
148 Ethyl acrylate	55	8.246	8.244	0.002	76	12365	1.23	
81 Methyl methacrylate	100	8.428	8.426	0.002	88	4960	2.01	
87 2-Nitropropane	41	8.786	8.790	-0.004	80	4668	2.09	
144 n-Butyl acetate	43	9.644	9.642	0.002	90	12468	1.03	
99 Tetrahydrothiophene	60	9.879	9.883	-0.004	56	3034	1.32	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
110 cis-1,4-Dichloro-2-butene	53	11.042	11.035	0.007	74	4149	1.77	
125 1,2,3-Trimethylbenzene	105	12.194	12.186	0.008	95	114674	1.05	
146 Benzyl chloride	126	12.288	12.286	0.002	94	4683	1.10	
21 1,3,5-Trichlorobenzene	180	13.581	13.573	0.008	94	43010	1.15	

QC Flag Legend

Review Flags
M - Manually Integrated

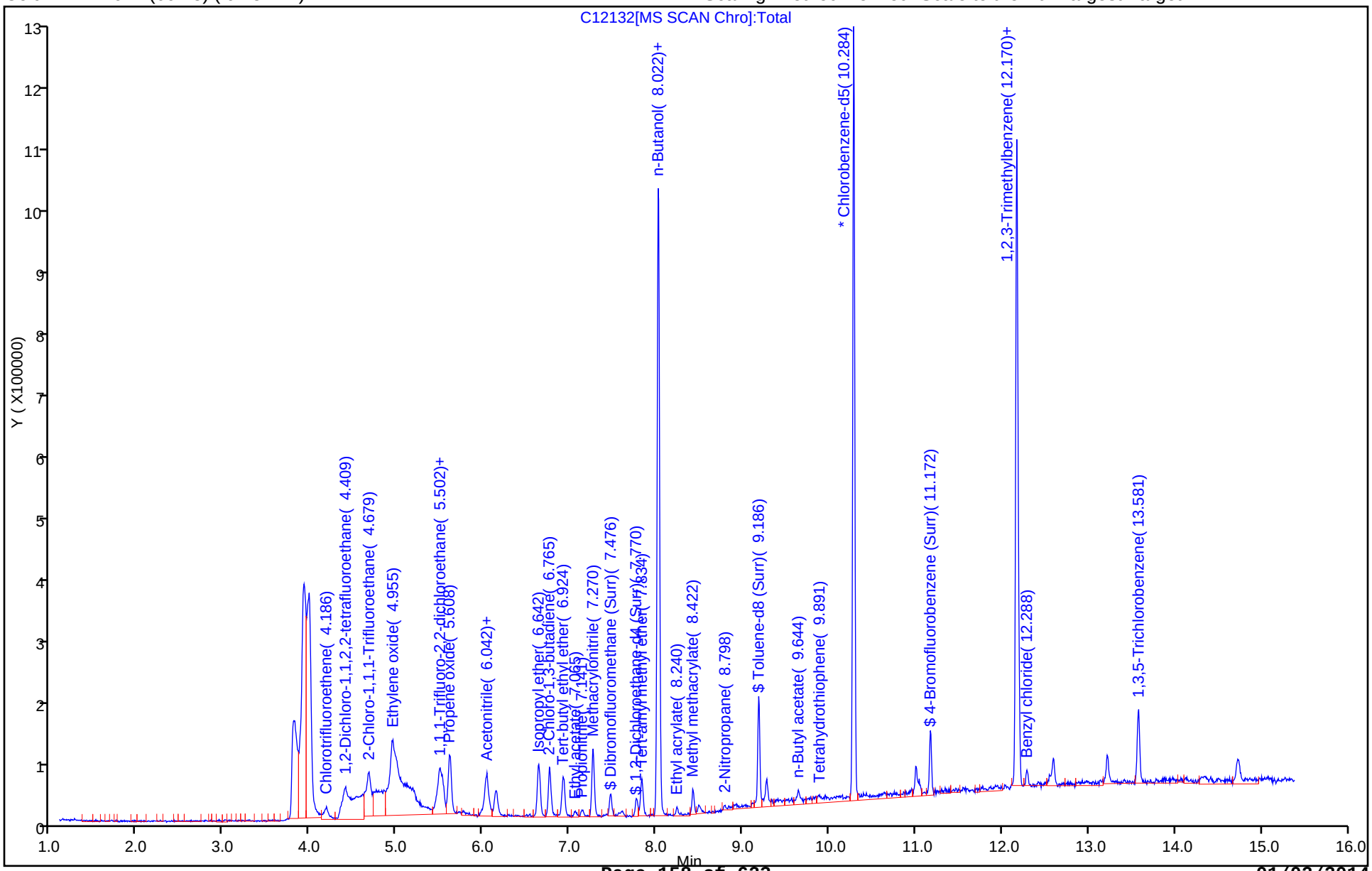
Report Date: 13-Dec-2013 20:33:19 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12132.D

Injection Date:	06-Dec-2013 20:38:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	16
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12133.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 06-Dec-2013 20:58:30 ALS Bottle#: 23 Worklist Smp#: 17
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub85

Method: \\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 13-Dec-2013 20:33:20 Calib Date: 06-Dec-2013 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK011

First Level Reviewer: contrerase Date: 10-Dec-2013 22:14:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.035	6.041	-0.006	0	112938	250.0	
* 1 Fluorobenzene	96	8.027	8.027	0.0	98	962382	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	88	212015	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.169	-0.006	97	294684	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.475	7.474	0.001	75	43792	2.25	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.774	7.774	0.0	0	40233	2.32	
$ 7 Toluene-d8 (Surr)	98	9.184	9.184	0.0	94	202032	2.20	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	86	61735	2.15	
22 Chlorotrifluoroethene	116	4.190	4.190	0.0	87	25780	2.17	
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.396	4.407	-0.011	92	49603	2.14	
23 2-Chloro-1,1,1-Trifluoroethane	118	4.678	4.677	0.001	22	49155	2.11	
28 Ethylene oxide	43	4.948	4.948	0.0	100	122760	447.5	
34 Ethanol	45	5.354	5.359	-0.005	87	10683	117.0	
35 1,2-Dichloro-1,1,2-trifluoroetha	117	5.489	5.488	0.001	75	61329	2.22	
37 1,1,1-Trifluoro-2,2-dichloroetha	83	5.530	5.535	-0.005	81	105696	2.15	
38 Propene oxide	58	5.618	5.612	0.006	95	185423	116.3	
41 Isopropyl alcohol	45	5.783	5.782	0.001	90	9937	23.4	M
44 Acetonitrile	41	6.000	6.005	-0.005	94	23915	18.4	
56 Isopropyl ether	87	6.640	6.640	0.0	95	37082	2.07	
58 2-Chloro-1,3-butadiene	53	6.770	6.769	0.001	90	103588	2.16	
59 Tert-butyl ethyl ether	59	6.922	6.928	-0.006	99	120218	2.06	
60 Ethyl acetate	43	7.063	7.063	0.0	97	18669	3.77	
63 Propionitrile	54	7.146	7.139	0.007	98	20878	20.0	
66 Methacrylonitrile	41	7.269	7.268	0.001	95	111002	20.7	
76 Tert-amyl methyl ether	73	7.833	7.833	0.0	95	87320	2.03	
78 n-Butanol	56	8.039	8.038	0.001	24	17202	59.9	
148 Ethyl acrylate	55	8.238	8.244	-0.006	98	21914	2.15	
81 Methyl methacrylate	100	8.426	8.426	0.0	91	8733	4.06	
87 2-Nitropropane	41	8.791	8.790	0.001	93	8552	4.51	
144 n-Butyl acetate	43	9.643	9.642	0.001	95	19470	1.92	
99 Tetrahydrothiophene	60	9.878	9.883	-0.005	80	6196	2.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
110 cis-1,4-Dichloro-2-butene	53	11.035	11.035	0.0	80	6492	2.62	
125 1,2,3-Trimethylbenzene	105	12.187	12.186	0.001	98	183389	1.89	
146 Benzyl chloride	126	12.281	12.286	-0.005	97	7531	2.02	
21 1,3,5-Trichlorobenzene	180	13.573	13.573	0.0	96	70382	1.95	

QC Flag Legend

Review Flags
M - Manually Integrated

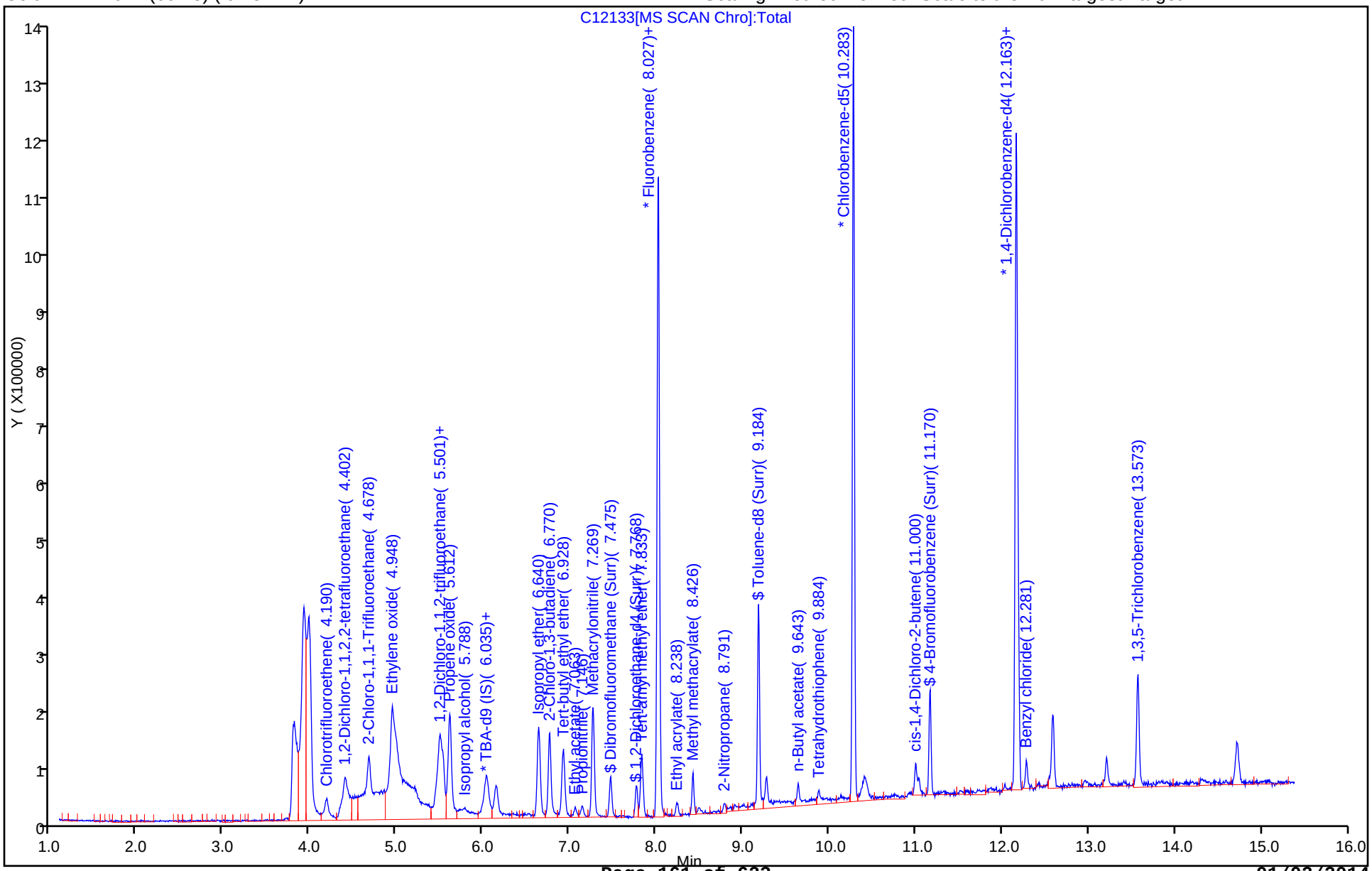
Report Date: 13-Dec-2013 20:33:21 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12133.D

Injection Date:	06-Dec-2013 20:58:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	17
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

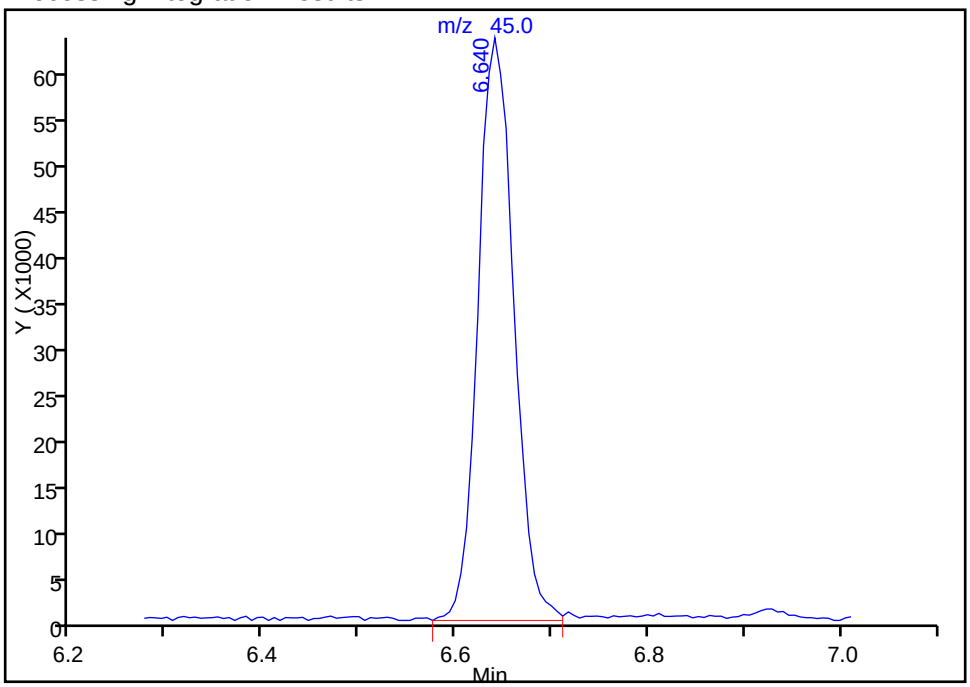
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_C\20131206-18141.b\C12133.D				
Injection Date:	06-Dec-2013 20:58:30	Instrument ID:	VMS_C		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	23	Worklist Smp#:	17
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

41 Isopropyl alcohol, CAS: 67-63-0

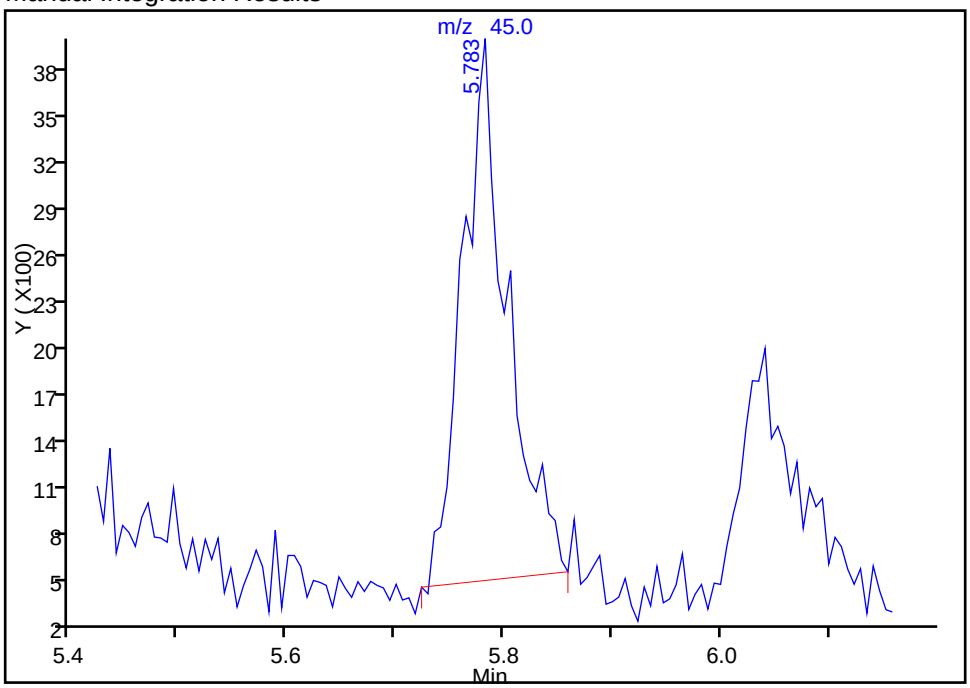
Processing Integration Results

RT: 6.64
Response: 164449
Amount: -167.932862



Manual Integration Results

RT: 5.78
Response: 9937
Amount: 23.400260



Reviewer: contrerase, 10-Dec-2013 22:17:12
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12134.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 06-Dec-2013 21:18:30 ALS Bottle#: 24 Worklist Smp#: 18
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub85

Method: \\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 13-Dec-2013 20:33:22 Calib Date: 06-Dec-2013 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK011

First Level Reviewer: contrerase Date: 10-Dec-2013 20:33:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	123816	250.0	
* 1 Fluorobenzene	96	8.021	8.027	-0.006	98	1001433	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	87	220910	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.169	-0.006	98	311834	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.469	7.474	-0.006	73	98985	4.88	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.768	7.774	-0.006	0	86511	4.79	
$ 7 Toluene-d8 (Surr)	98	9.184	9.184	0.0	94	454317	4.75	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	85	139157	4.59	
22 Chlorotrifluoroethene	116	4.184	4.190	-0.006	88	66004	4.86	
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.402	4.407	-0.005	93	117011	4.84	
23 2-Chloro-1,1,1-Trifluoroethane	118	4.678	4.677	0.001	25	116707	4.82	
28 Ethylene oxide	43	4.948	4.948	0.0	100	280713	983.4	
34 Ethanol	45	5.365	5.359	0.006	87	19214	210.4	
35 1,2-Dichloro-1,1,2-trifluoroetha	117	5.483	5.488	-0.005	80	137073	4.77	
37 1,1,1-Trifluoro-2,2-dichloroetha	83	5.530	5.535	-0.005	81	241206	4.72	
38 Propene oxide	58	5.612	5.612	0.0	95	412618	248.7	
41 Isopropyl alcohol	45	5.770	5.782	-0.012	90	16873	37.3	M
44 Acetonitrile	41	5.994	6.005	-0.011	95	47320	46.5	
56 Isopropyl ether	87	6.640	6.640	0.0	96	80461	4.61	
58 2-Chloro-1,3-butadiene	53	6.763	6.769	-0.006	91	223431	4.48	
59 Tert-butyl ethyl ether	59	6.928	6.928	0.0	99	264869	4.87	
60 Ethyl acetate	43	7.063	7.063	0.0	95	42734	9.93	
63 Propionitrile	54	7.145	7.139	0.006	96	45641	48.4	
66 Methacrylonitrile	41	7.263	7.268	-0.005	95	242672	48.6	
76 Tert-amyl methyl ether	73	7.833	7.833	0.0	97	192366	4.83	
78 n-Butanol	56	8.044	8.038	0.006	83	31341	127.2	
148 Ethyl acrylate	55	8.238	8.244	-0.006	99	49770	4.68	
81 Methyl methacrylate	100	8.426	8.426	0.0	91	19041	9.52	
87 2-Nitropropane	41	8.790	8.790	0.0	96	15759	8.80	
144 n-Butyl acetate	43	9.642	9.642	0.0	98	43306	4.81	
99 Tetrahydrothiophene	60	9.883	9.883	0.0	92	15490	3.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
110 cis-1,4-Dichloro-2-butene	53	11.035	11.035	0.0	86	12512	4.67	
125 1,2,3-Trimethylbenzene	105	12.187	12.186	0.0	98	406567	4.49	
146 Benzyl chloride	126	12.286	12.286	0.0	99	15315	4.41	
21 1,3,5-Trichlorobenzene	180	13.573	13.573	0.0	92	152798	4.25	

QC Flag Legend

Review Flags
M - Manually Integrated

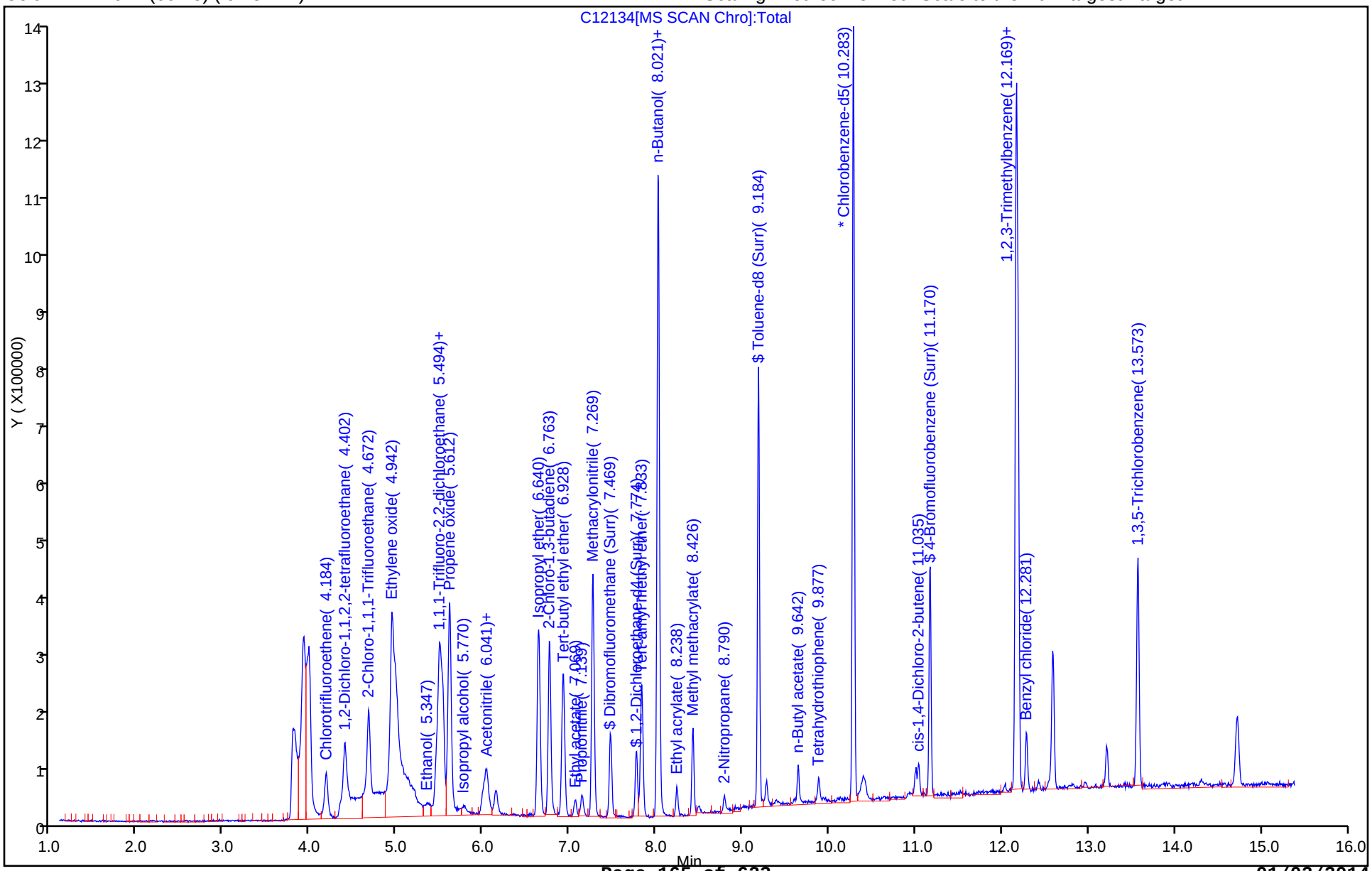
Report Date: 13-Dec-2013 20:33:22 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12134.D

Injection Date:	06-Dec-2013 21:18:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	18
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

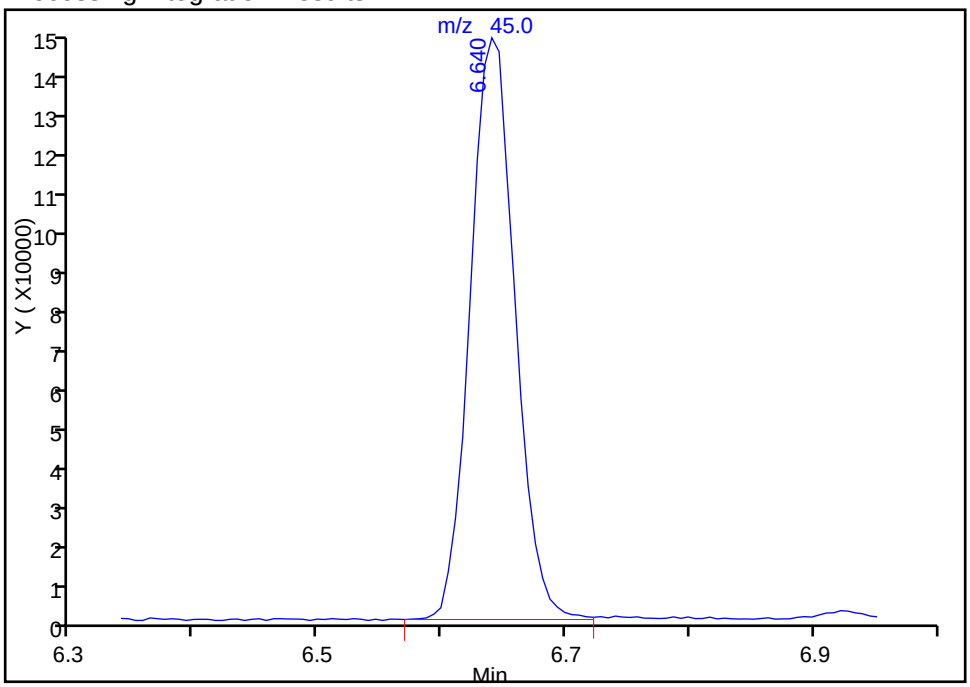
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_C\20131206-18141.b\C12134.D				
Injection Date:	06-Dec-2013 21:18:30	Instrument ID:	VMS_C		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	24	Worklist Smp#:	18
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

41 Isopropyl alcohol, CAS: 67-63-0

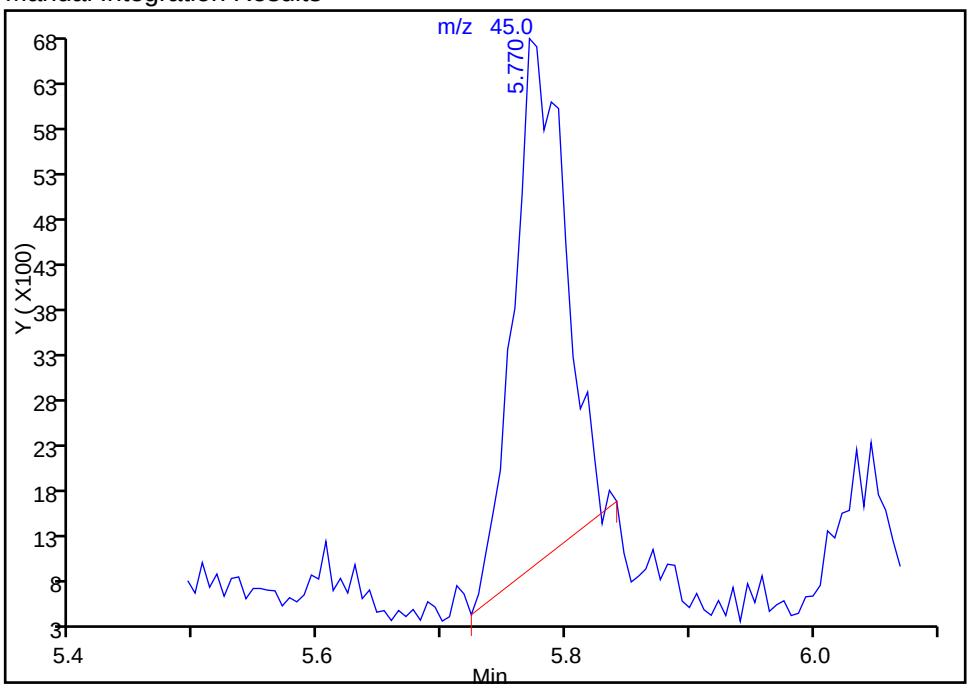
Processing Integration Results

RT: 6.64
Response: 362015
Amount: 56.951253



Manual Integration Results

RT: 5.77
Response: 16873
Amount: 37.338958



Reviewer: contrerase, 10-Dec-2013 22:17:29
Audit Action: Manually Integrated
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12135.D
Lims ID: icis Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 06-Dec-2013 21:38:30 ALS Bottle#: 25 Worklist Smp#: 19
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: icis
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub85

Method: \\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 13-Dec-2013 20:33:24 Calib Date: 06-Dec-2013 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK011

First Level Reviewer: contrerase Date: 10-Dec-2013 22:11:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	127173	250.0	a
* 1 Fluorobenzene	96	8.026	8.026	0.0	98	1042478	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	88	229090	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.163	0.0	97	336437	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	75	190214	9.02	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.774	7.774	0.0	0	167255	8.89	
$ 7 Toluene-d8 (Surr)	98	9.184	9.184	0.0	94	916386	9.23	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	84	298353	9.12	
22 Chlorotrifluoroethene	116	4.190	4.190	0.0	88	134681	9.21	
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.407	4.407	0.0	91	223943	8.90	
23 2-Chloro-1,1,1-Trifluoroethane	118	4.677	4.677	0.0	27	229212	9.09	
28 Ethylene oxide	43	4.948	4.948	0.0	100	562932	1894.5	
34 Ethanol	45	5.359	5.359	0.0	86	38786	441.4	
35 1,2-Dichloro-1,1,2-trifluoroetha	117	5.488	5.488	0.0	75	271098	9.07	
37 1,1,1-Trifluoro-2,2-dichloroetha	83	5.535	5.535	0.0	85	475549	8.95	
38 Propene oxide	58	5.612	5.612	0.0	95	817617	473.4	
41 Isopropyl alcohol	45	5.782	5.782	0.0	95	47186	105.1	
44 Acetonitrile	41	6.005	6.005	0.0	97	90705	96.2	
56 Isopropyl ether	87	6.640	6.640	0.0	96	162387	9.56	
58 2-Chloro-1,3-butadiene	53	6.769	6.769	0.0	90	462681	8.92	
59 Tert-butyl ethyl ether	59	6.928	6.928	0.0	98	522004	9.63	
60 Ethyl acetate	43	7.063	7.063	0.0	97	82298	19.5	
63 Propionitrile	54	7.139	7.139	0.0	65	89750	96.6	
66 Methacrylonitrile	41	7.268	7.268	0.0	95	484578	97.5	
76 Tert-amyl methyl ether	73	7.833	7.833	0.0	97	383435	9.68	
78 n-Butanol	56	8.038	8.038	0.0	27	49741	219.4	
148 Ethyl acrylate	55	8.244	8.244	0.0	100	99442	9.02	
81 Methyl methacrylate	100	8.426	8.426	0.0	94	37667	18.9	
87 2-Nitropropane	41	8.790	8.790	0.0	99	31668	18.0	
144 n-Butyl acetate	43	9.642	9.642	0.0	98	82769	9.40	
99 Tetrahydrothiophene	60	9.883	9.883	0.0	94	34941	7.90	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
110 cis-1,4-Dichloro-2-butene	53	11.035	11.035	0.0	91	24661	8.43	
125 1,2,3-Trimethylbenzene	105	12.186	12.186	0.0	98	905223	9.78	
146 Benzyl chloride	126	12.286	12.286	0.0	99	32289	9.49	
21 1,3,5-Trichlorobenzene	180	13.573	13.573	0.0	95	358945	9.51	

QC Flag Legend

Review Flags
a - User Assigned ID

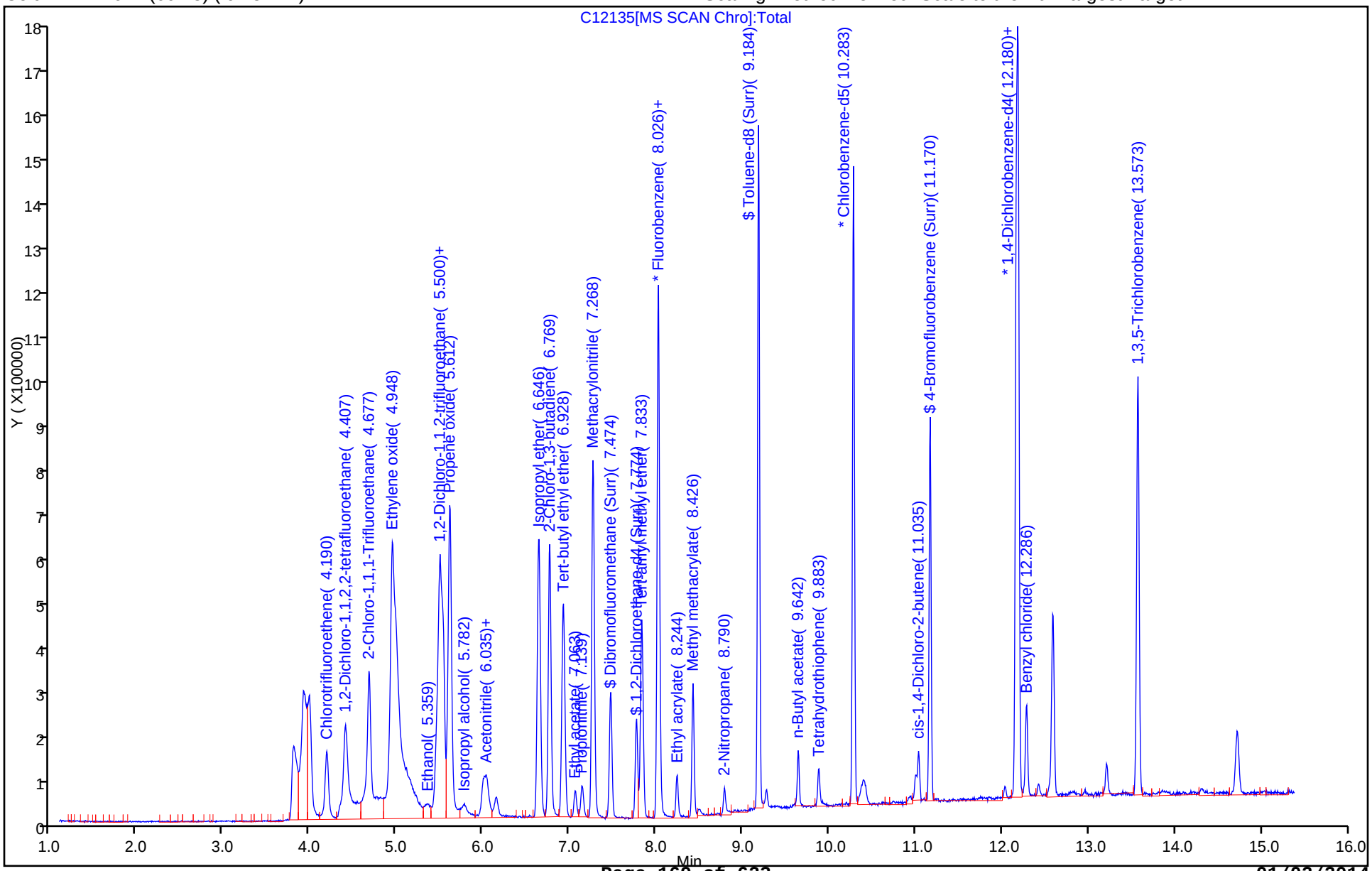
Report Date: 13-Dec-2013 20:33:24 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12135.D

Injection Date:	06-Dec-2013 21:38:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	icis	Lab Sample ID:		Worklist Smp#:	19
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

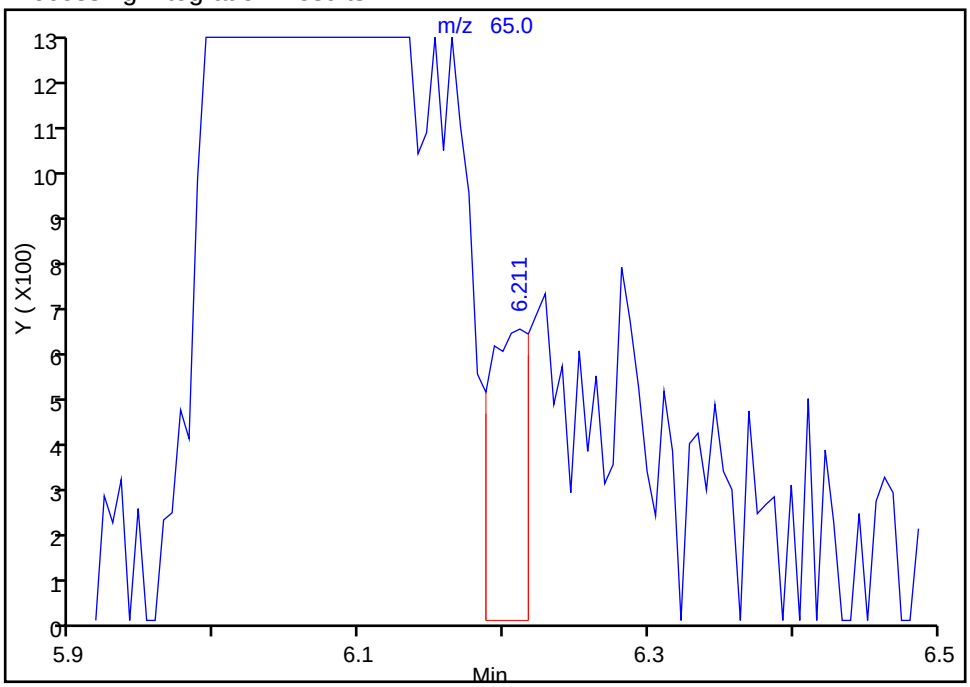
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_C\20131206-18141.b\C12135.D				
Injection Date:	06-Dec-2013 21:38:30	Instrument ID:	VMS_C		
Lims ID:	icis	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	25	Worklist Smp#:	19
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

* 150 TBA-d9 (IS), CAS: 25725-11-5

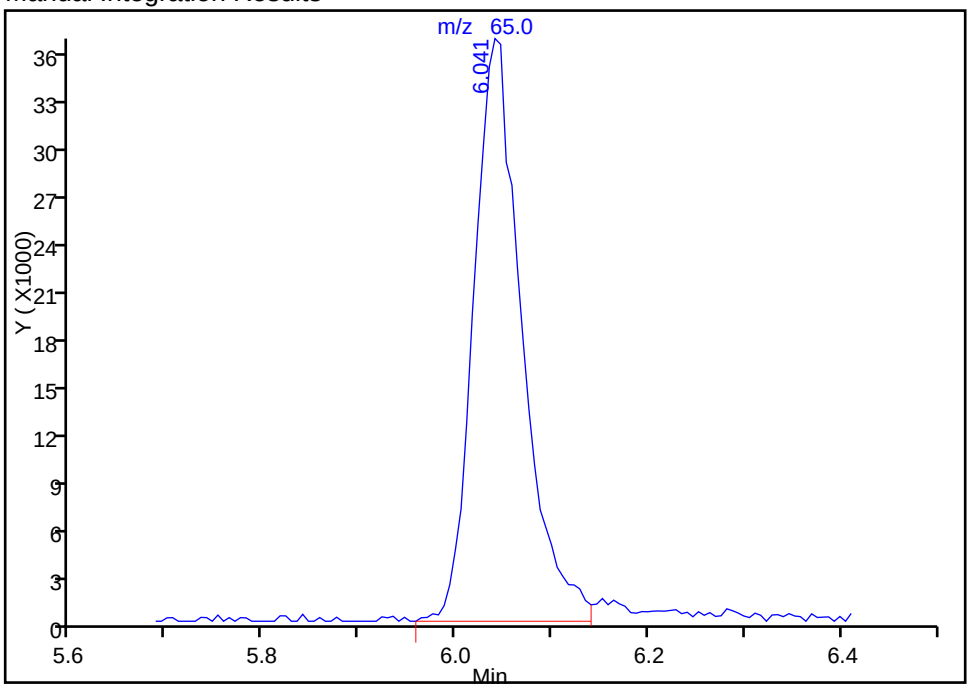
Processing Integration Results

RT: 6.21
Response: 1270
Amount: 250.0000



Manual Integration Results

RT: 6.04
Response: 127173
Amount: 250.0000



Reviewer: contrerase, 12-Dec-2013 14:17:57
Audit Action: Assigned Compound ID
Audit Reason: Wrong peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12136.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 06-Dec-2013 21:58:30 ALS Bottle#: 26 Worklist Smp#: 20
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub85

Method: \\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 13-Dec-2013 20:33:26 Calib Date: 06-Dec-2013 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK011

First Level Reviewer: contrerase Date: 10-Dec-2013 22:13:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.038	6.041	-0.002	0	116833	250.0	
* 1 Fluorobenzene	96	8.024	8.026	-0.002	98	956203	12.5	
* 2 Chlorobenzene-d5	119	10.280	10.283	-0.003	87	198288	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.166	12.163	0.003	97	282707	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.472	7.474	-0.002	59	564467	29.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.771	7.774	-0.003	0	496227	28.8	
$ 7 Toluene-d8 (Surr)	98	9.181	9.184	-0.003	94	2609144	30.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.167	11.170	-0.003	85	816017	29.7	
22 Chlorotrifluoroethene	116	4.187	4.190	-0.003	90	449261	32.6	
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.405	4.407	-0.002	95	687488	29.8	
23 2-Chloro-1,1,1-Trifluoroethane	118	4.675	4.677	-0.002	29	669233	28.9	
28 Ethylene oxide	43	4.945	4.948	-0.003	99	1783960	6545.3	
34 Ethanol	45	5.357	5.359	-0.002	90	127634	1655.5	
35 1,2-Dichloro-1,1,2-trifluoroetha	117	5.492	5.488	0.004	81	822277	30.0	
37 1,1,1-Trifluoro-2,2-dichloroetha	83	5.533	5.535	-0.002	88	1449589	29.7	
38 Propene oxide	58	5.609	5.612	-0.003	96	2419563	1527.4	
41 Isopropyl alcohol	45	5.785	5.782	0.003	97	128362	315.1	a
44 Acetonitrile	41	6.003	6.005	-0.002	99	263178	331.8	
56 Isopropyl ether	87	6.643	6.640	0.003	95	487953	32.5	
58 2-Chloro-1,3-butadiene	53	6.767	6.769	-0.002	91	1468031	30.9	
59 Tert-butyl ethyl ether	59	6.925	6.928	-0.003	99	1571365	32.7	
60 Ethyl acetate	43	7.066	7.063	0.003	99	240460	65.2	
63 Propionitrile	54	7.143	7.139	0.004	98	265093	324.0	
66 Methacrylonitrile	41	7.272	7.268	0.004	95	1439087	326.1	
76 Tert-amyl methyl ether	73	7.836	7.833	0.003	97	1137725	32.4	
78 n-Butanol	56	8.042	8.038	0.004	91	142353	771.9	
148 Ethyl acrylate	55	8.235	8.244	-0.009	100	281762	29.5	
81 Methyl methacrylate	100	8.424	8.426	-0.002	92	113105	64.1	
87 2-Nitropropane	41	8.788	8.790	-0.002	99	98539	63.5	
144 n-Butyl acetate	43	9.640	9.642	-0.002	98	242359	33.3	
99 Tetrahydrothiophene	60	9.881	9.883	-0.002	95	130301	32.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
110 cis-1,4-Dichloro-2-butene	53	11.032	11.035	-0.003	92	75806	30.5	
125 1,2,3-Trimethylbenzene	105	12.184	12.186	-0.002	99	2549636	33.9	
146 Benzyl chloride	126	12.284	12.286	-0.002	99	93239	32.8	
21 1,3,5-Trichlorobenzene	180	13.570	13.573	-0.003	96	1031971	33.1	

QC Flag Legend

Review Flags
a - User Assigned ID

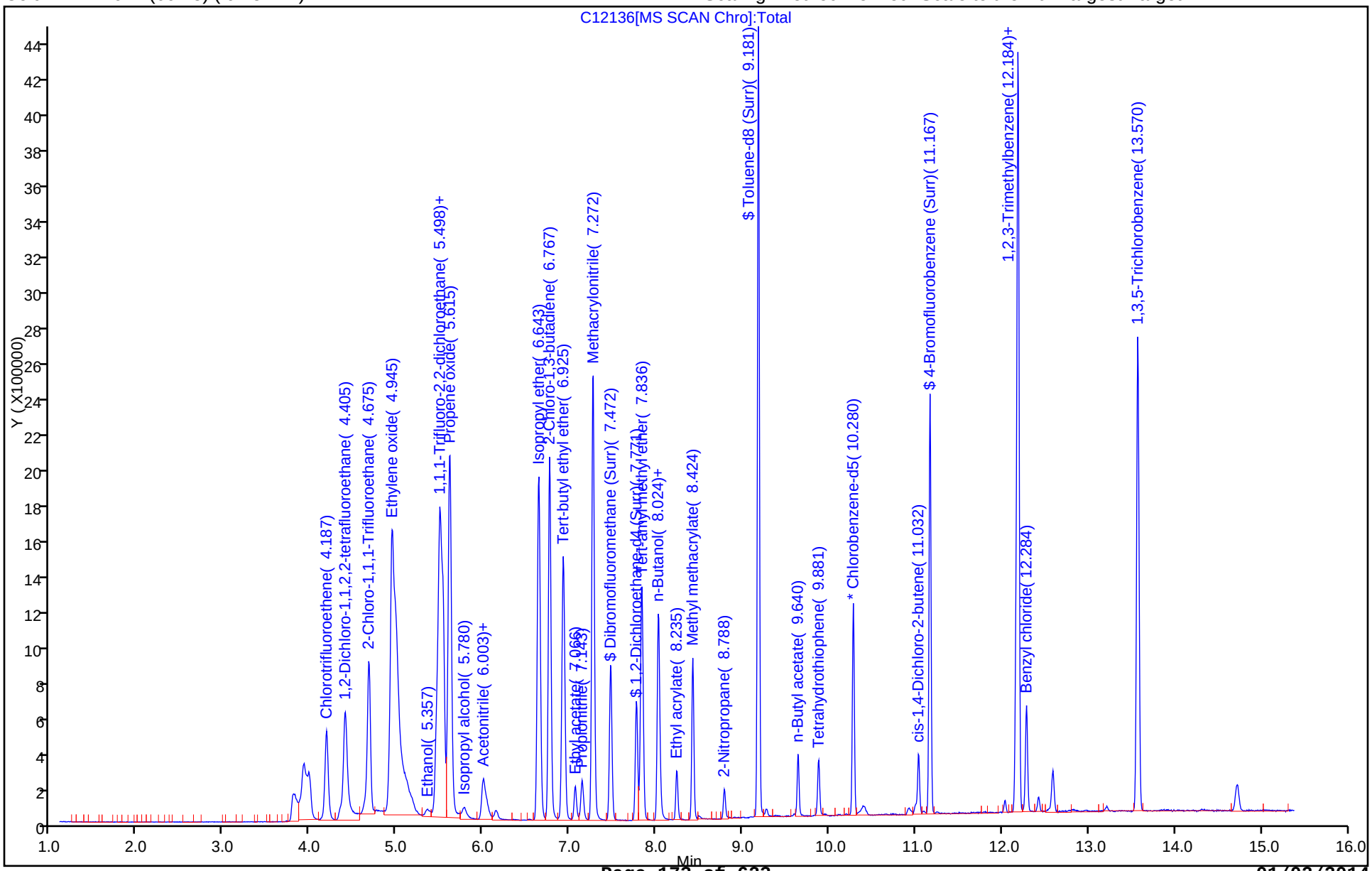
Report Date: 13-Dec-2013 20:33:26 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12136.D

Injection Date:	06-Dec-2013 21:58:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	20
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

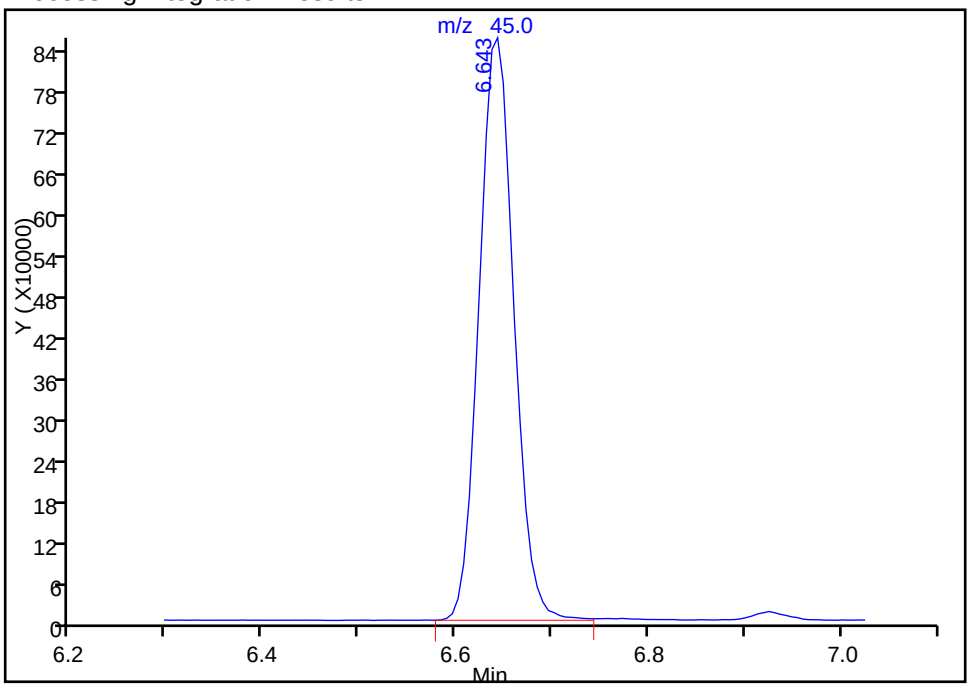
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12136.D
Injection Date: 06-Dec-2013 21:58:30 Instrument ID: VMS_C
Lims ID: ic Lab Sample ID:
Client ID:
Operator ID: contrerase ALS Bottle#: 26 Worklist Smp#: 20
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSC_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (60.25) (0.25 mm) Detector MS SCAN

41 Isopropyl alcohol, CAS: 67-63-0

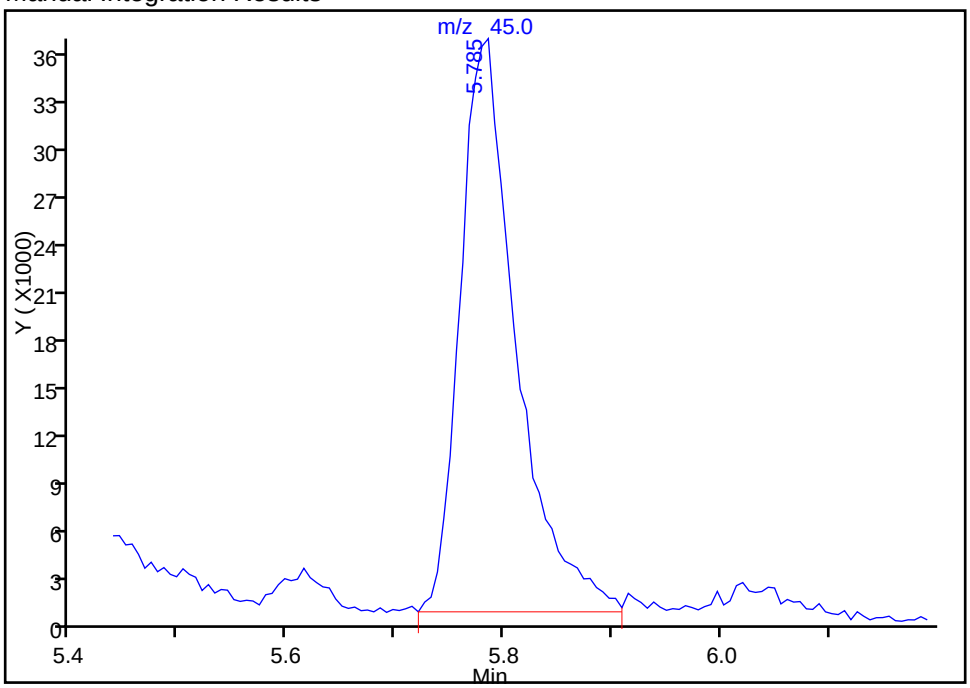
Processing Integration Results

RT: 6.64
Response: 2135587
Amount: 1578.6271



Manual Integration Results

RT: 5.79
Response: 128362
Amount: 315.1417



Reviewer: contrerase, 10-Dec-2013 22:17:43
Audit Action: Assigned Compound ID
Audit Reason:

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 06-Dec-2013 22:18:30 ALS Bottle#: 27 Worklist Smp#: 21
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub85

Method: \\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 13-Dec-2013 20:33:27 Calib Date: 06-Dec-2013 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK011

First Level Reviewer: contrerase Date: 10-Dec-2013 22:16:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.001	0	125890	250.0	a
* 1 Fluorobenzene	96	8.027	8.026	0.001	98	1073418	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	87	236426	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.164	12.163	0.001	96	344040	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.475	7.474	0.001	67	1135640	52.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.775	7.774	0.001	0	973240	50.3	
$ 7 Toluene-d8 (Surr)	98	9.185	9.184	0.001	93	5378175	52.5	
$ 8 4-Bromofluorobenzene (Surr)	95	11.171	11.170	0.001	85	1781715	53.2	
22 Chlorotrifluoroethene	116	4.191	4.190	0.001	90	898685	57.9	
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.402	4.407	-0.005	95	1328710	51.3	
23 2-Chloro-1,1,1-Trifluoroethane	118	4.678	4.677	0.001	30	1310637	50.5	
28 Ethylene oxide	43	4.949	4.948	0.001	100	3156359	10316	
34 Ethanol	45	5.360	5.359	0.001	95	241998	2934.9	
35 1,2-Dichloro-1,1,2-trifluoroetha	117	5.495	5.488	0.007	79	1599575	52.0	
37 1,1,1-Trifluoro-2,2-dichloroetha	83	5.536	5.535	0.001	88	2855444	52.2	
38 Propene oxide	58	5.612	5.612	0.0	96	4679023	2631.2	
41 Isopropyl alcohol	45	5.783	5.782	0.001	98	257756	589.0	a
44 Acetonitrile	41	6.000	6.005	-0.005	98	539676	616.7	
56 Isopropyl ether	87	6.641	6.640	0.001	95	969557	60.3	
58 2-Chloro-1,3-butadiene	53	6.770	6.769	0.001	90	2833676	53.0	
59 Tert-butyl ethyl ether	59	6.929	6.928	0.001	99	3072973	57.2	
60 Ethyl acetate	43	7.064	7.063	0.001	99	477699	116.4	
63 Propionitrile	54	7.146	7.139	0.007	99	534292	586.4	
66 Methacrylonitrile	41	7.269	7.268	0.001	94	2779185	564.3	
76 Tert-amyl methyl ether	73	7.833	7.833	0.0	98	2287290	58.3	
78 n-Butanol	56	8.045	8.038	0.007	91	290583	1499.6	
148 Ethyl acrylate	55	8.239	8.244	-0.005	100	594783	52.3	
81 Methyl methacrylate	100	8.427	8.426	0.001	93	239301	121.6	
87 2-Nitropropane	41	8.791	8.790	0.001	98	205933	119.1	
144 n-Butyl acetate	43	9.643	9.642	0.001	99	515678	59.9	
99 Tetrahydrothiophene	60	9.878	9.883	-0.005	94	298462	60.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
110 cis-1,4-Dichloro-2-butene	53	11.036	11.035	0.001	87	148447	49.0	
125 1,2,3-Trimethylbenzene	105	12.187	12.186	0.001	99	5464416	60.2	
146 Benzyl chloride	126	12.287	12.286	0.001	99	195710	58.2	
21 1,3,5-Trichlorobenzene	180	13.574	13.573	0.001	96	2199192	58.1	

QC Flag Legend

Review Flags
a - User Assigned ID

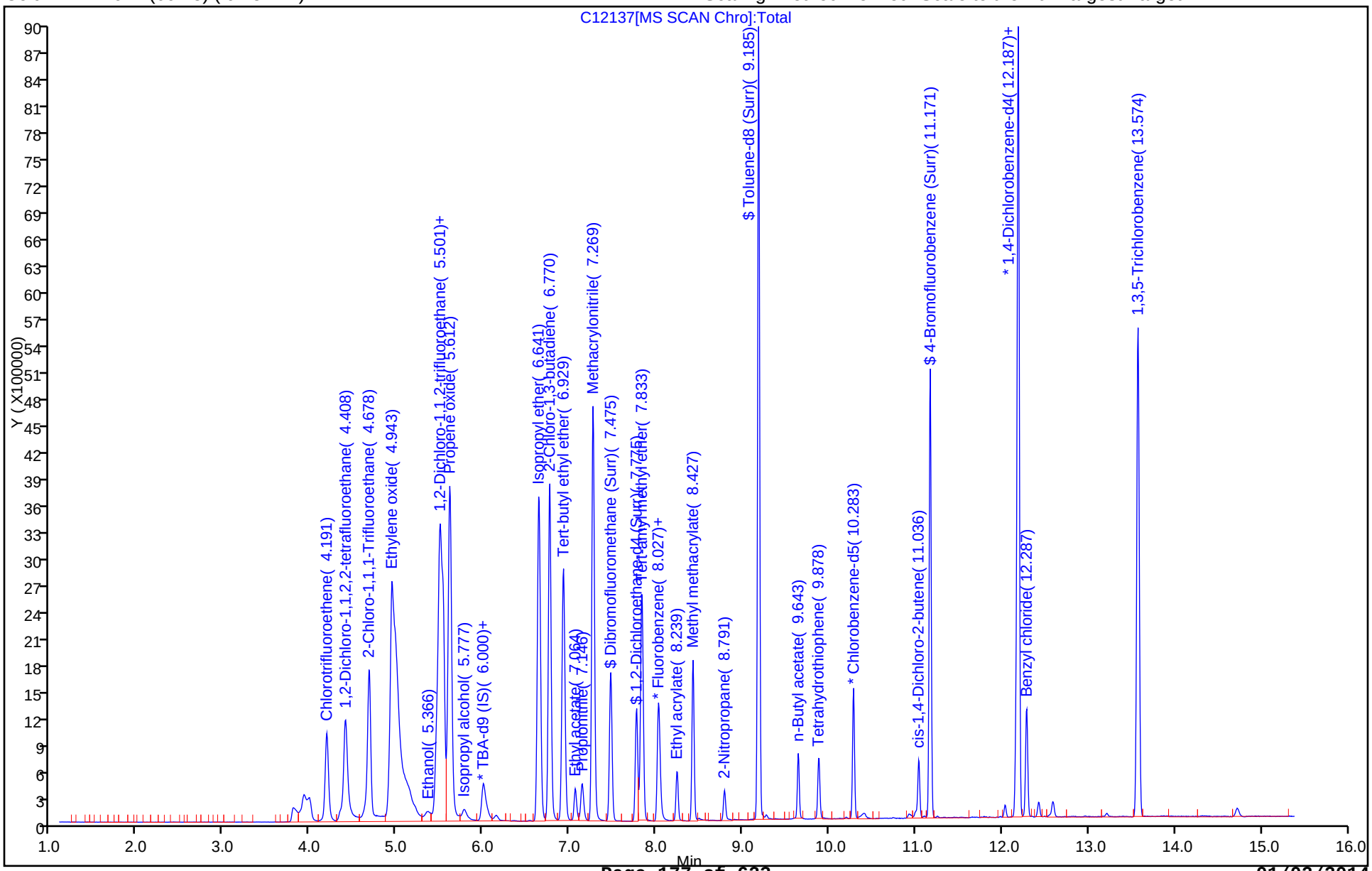
Report Date: 13-Dec-2013 20:33:28 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Injection Date:	06-Dec-2013 22:18:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	21
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

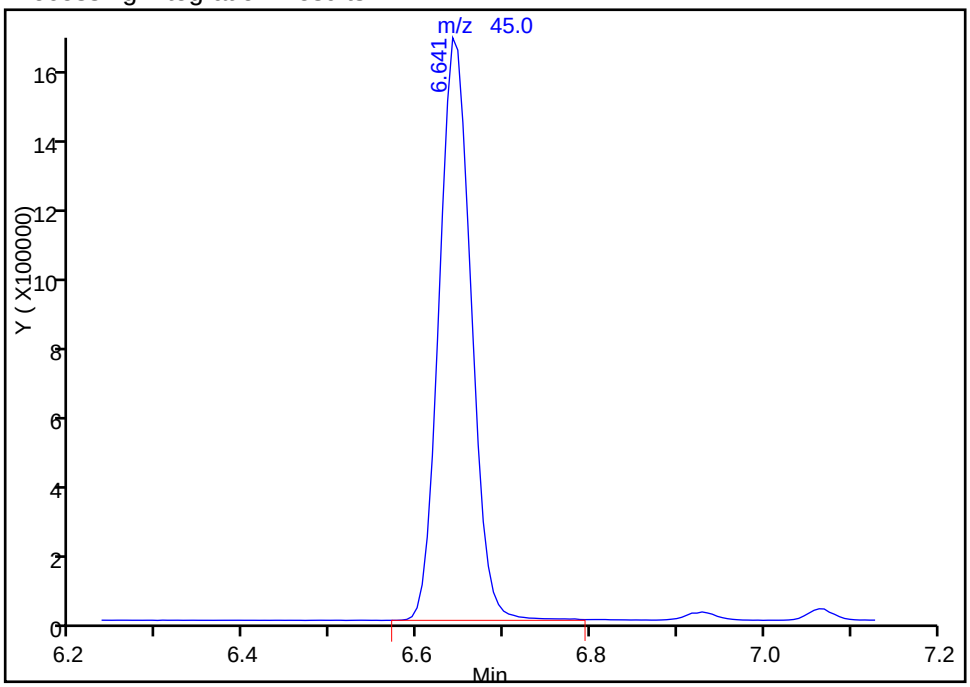
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D
Injection Date: 06-Dec-2013 22:18:30 Instrument ID: VMS_C
Lims ID: ic Lab Sample ID:
Client ID:
Operator ID: contrerase ALS Bottle#: 27 Worklist Smp#: 21
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSC_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (60.25) (0.25 mm) Detector MS SCAN

41 Isopropyl alcohol, CAS: 67-63-0

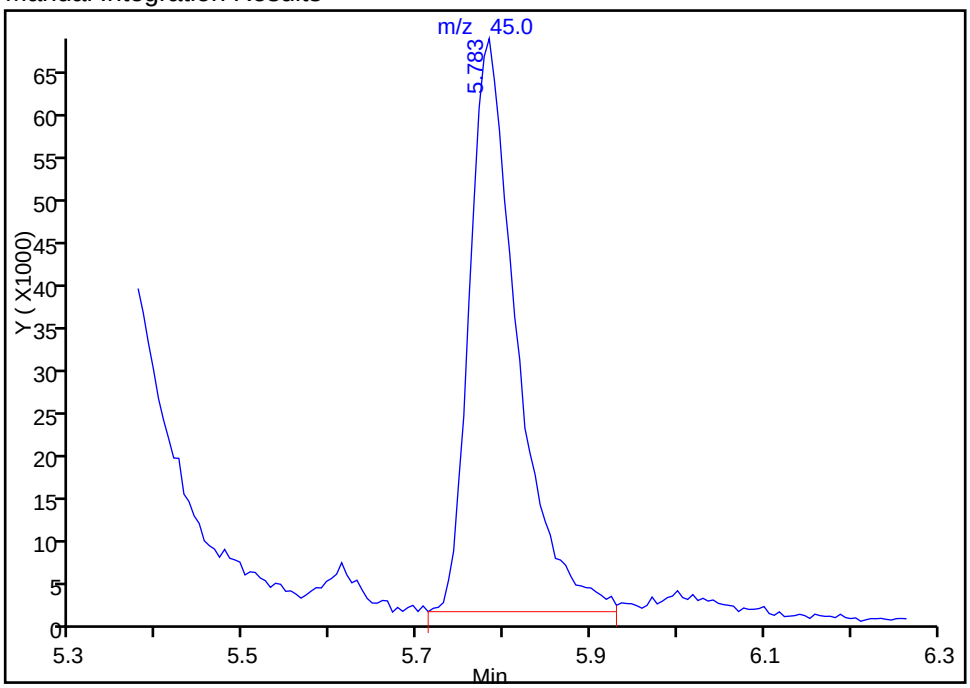
Processing Integration Results

RT: 6.64
Response: 4158004
Amount: 584.9014



Manual Integration Results

RT: 5.78
Response: 257756
Amount: 589.0147



Reviewer: contrerase, 10-Dec-2013 22:16:12
Audit Action: Assigned Compound ID
Audit Reason:

Manual Integration/User Assign Peak Report

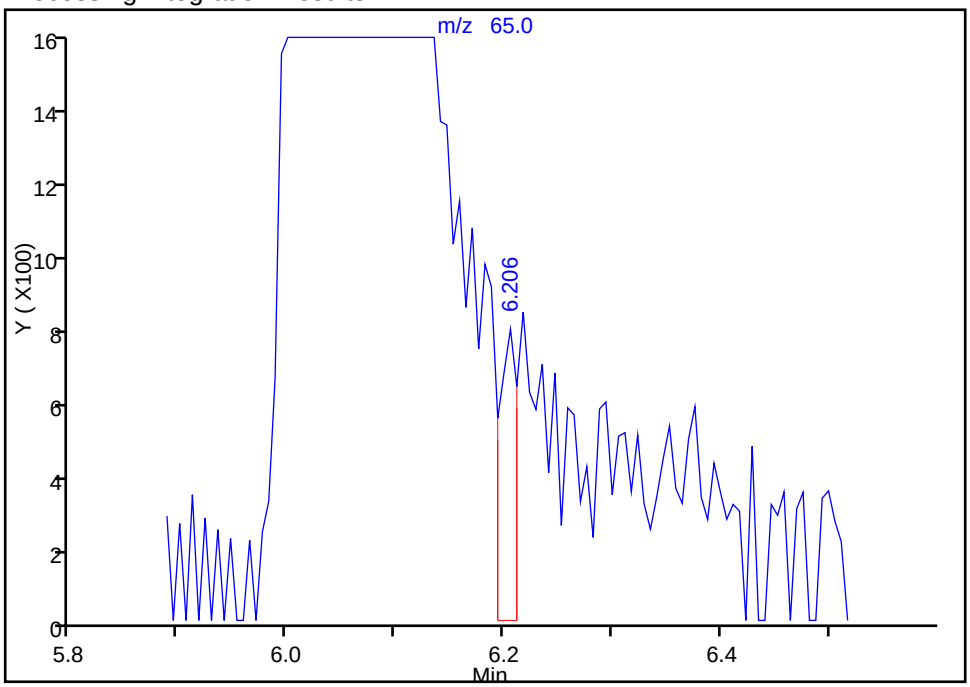
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D
Injection Date: 06-Dec-2013 22:18:30 Instrument ID: VMS_C
Lims ID: ic Lab Sample ID:
Client ID:
Operator ID: contrerase ALS Bottle#: 27 Worklist Smp#: 21
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSC_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (60.25) (0.25 mm) Detector MS SCAN

* 150 TBA-d9 (IS), CAS: 25725-11-5

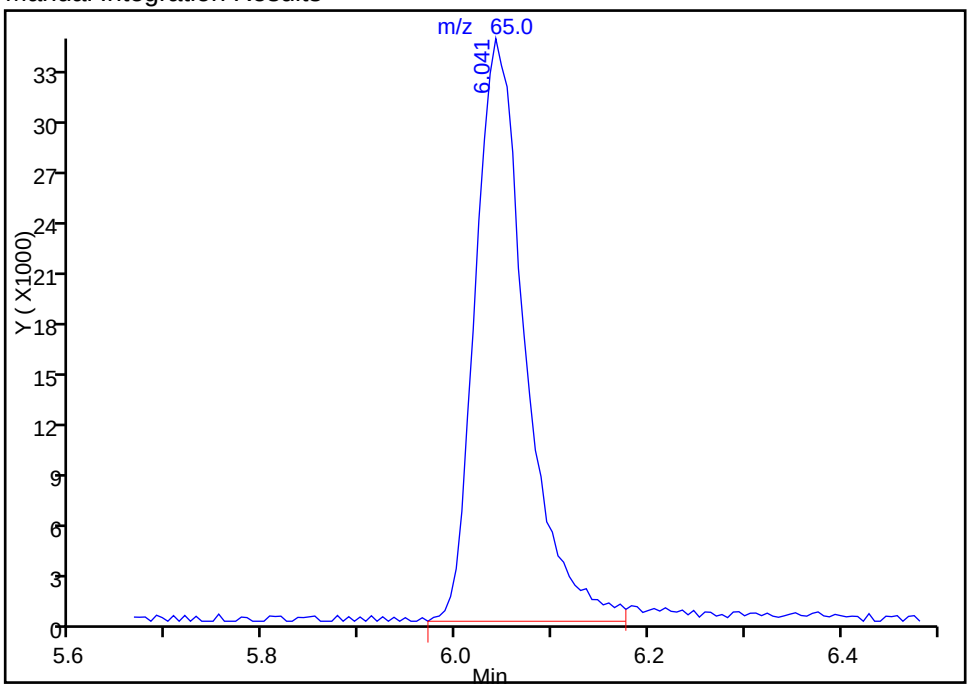
Processing Integration Results

RT: 6.21
Response: 887
Amount: 250.0000



Manual Integration Results

RT: 6.04
Response: 125890
Amount: 250.0000



Reviewer: contrerase, 12-Dec-2013 14:17:33
Audit Action: Assigned Compound ID
Audit Reason: Wrong peak

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 21:39 Calibration End Date: 12/19/2013 23:18 Calibration ID: 16564

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-206019/8	C12344.D
Level 2	IC 280-206019/9	C12345.D
Level 3	IC 280-206019/10	C12346.D
Level 4	IC 280-206019/11	C12347.D
Level 5	IC 280-206019/12	C12348.D
Level 6	IC 280-206019/13	C12349.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromofluoromethane (Surr)	+++++ 0.2935	0.3731	0.3320	0.2902	0.3106	Ave		0.3199				11.0		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2500	0.3287	0.2889	0.2592	0.2670	Ave		0.2788				11.0		15.0			
Toluene-d8 (Surr)	+++++ 5.0525	6.1929	5.3723	4.9169	5.3334	Ave		5.3736				9.2		15.0			
4-Bromofluorobenzene (Surr)	+++++ 1.0604	1.2457	1.2385	1.0210	1.0760	Ave		1.1283				9.4		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/19/2013 21:39 Calibration End Date: 12/19/2013 23:18 Calibration ID: 16564

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-206019/8	C12344.D
Level 2	IC 280-206019/9	C12345.D
Level 3	IC 280-206019/10	C12346.D
Level 4	IC 280-206019/11	C12347.D
Level 5	IC 280-206019/12	C12348.D
Level 6	IC 280-206019/13	C12349.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	+++++ 1465369	52329	122392	233735	694231	+++++ 60.0	2.00	5.00	10.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 1248274	46101	106477	208796	596946	+++++ 60.0	2.00	5.00	10.0	30.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 6820852	234512	594384	1063097	3274417	+++++ 60.0	2.00	5.00	10.0	30.0
4-Bromofluorobenzene (Surr)	DCB	Ave	+++++ 2161094	71773	193475	329425	993410	+++++ 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12344.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 19-Dec-2013 21:39:30 ALS Bottle#: 15 Worklist Smp#: 8
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub92

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 17:42:56 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 15:42:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.038	6.030	0.008	0	153215	250.0	
* 1 Fluorobenzene	96	8.024	8.022	0.002	98	942029	12.5	
* 2 Chlorobenzene-d5	119	10.280	10.278	0.002	87	266417	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.166	12.164	0.002	97	396996	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.471	7.470	0.001	68	31738	1.32	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.765	7.770	-0.005	0	27439	1.31	
$ 7 Toluene-d8 (Surr)	98	9.181	9.180	0.001	94	149900	1.31	
$ 8 4-Bromofluorobenzene (Surr)	95	11.167	11.166	0.001	82	47418	1.32	

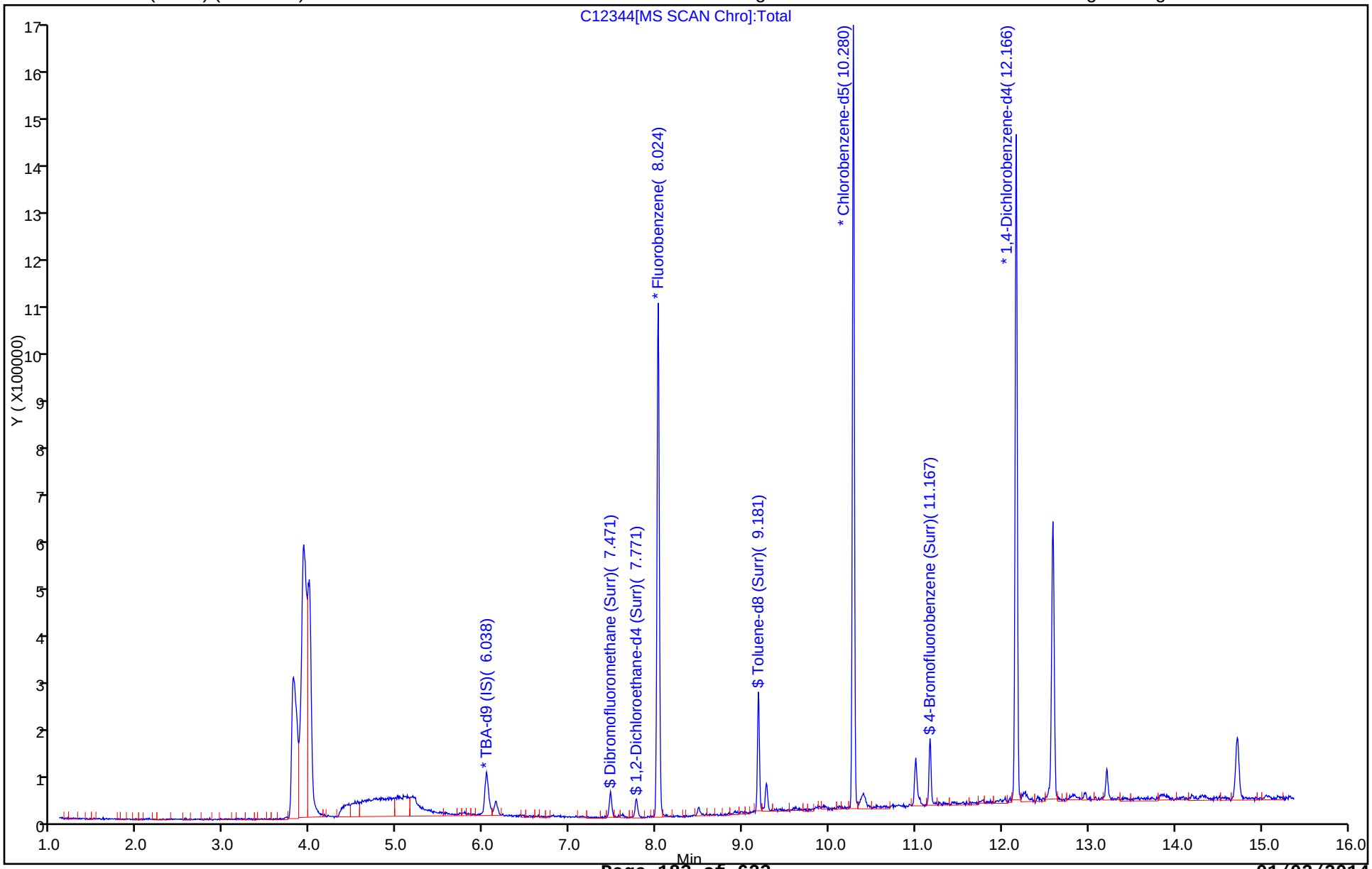
Report Date: 20-Dec-2013 17:42:57 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12344.D

Injection Date:	19-Dec-2013 21:39:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12345.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 19-Dec-2013 21:58:30 ALS Bottle#: 16 Worklist Smp#: 9
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub92

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 17:42:56 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 15:42:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.042	6.030	0.012	0	139623	250.0	
* 1 Fluorobenzene	96	8.022	8.022	0.0	98	876625	12.5	
* 2 Chlorobenzene-d5	119	10.279	10.278	0.001	87	236673	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.165	12.164	0.001	97	360104	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.470	7.470	0.0	77	52329	2.33	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.764	7.770	-0.006	0	46101	2.36	
$ 7 Toluene-d8 (Surr)	98	9.180	9.180	0.0	95	234512	2.30	
$ 8 4-Bromofluorobenzene (Surr)	95	11.166	11.166	0.0	85	71773	2.21	

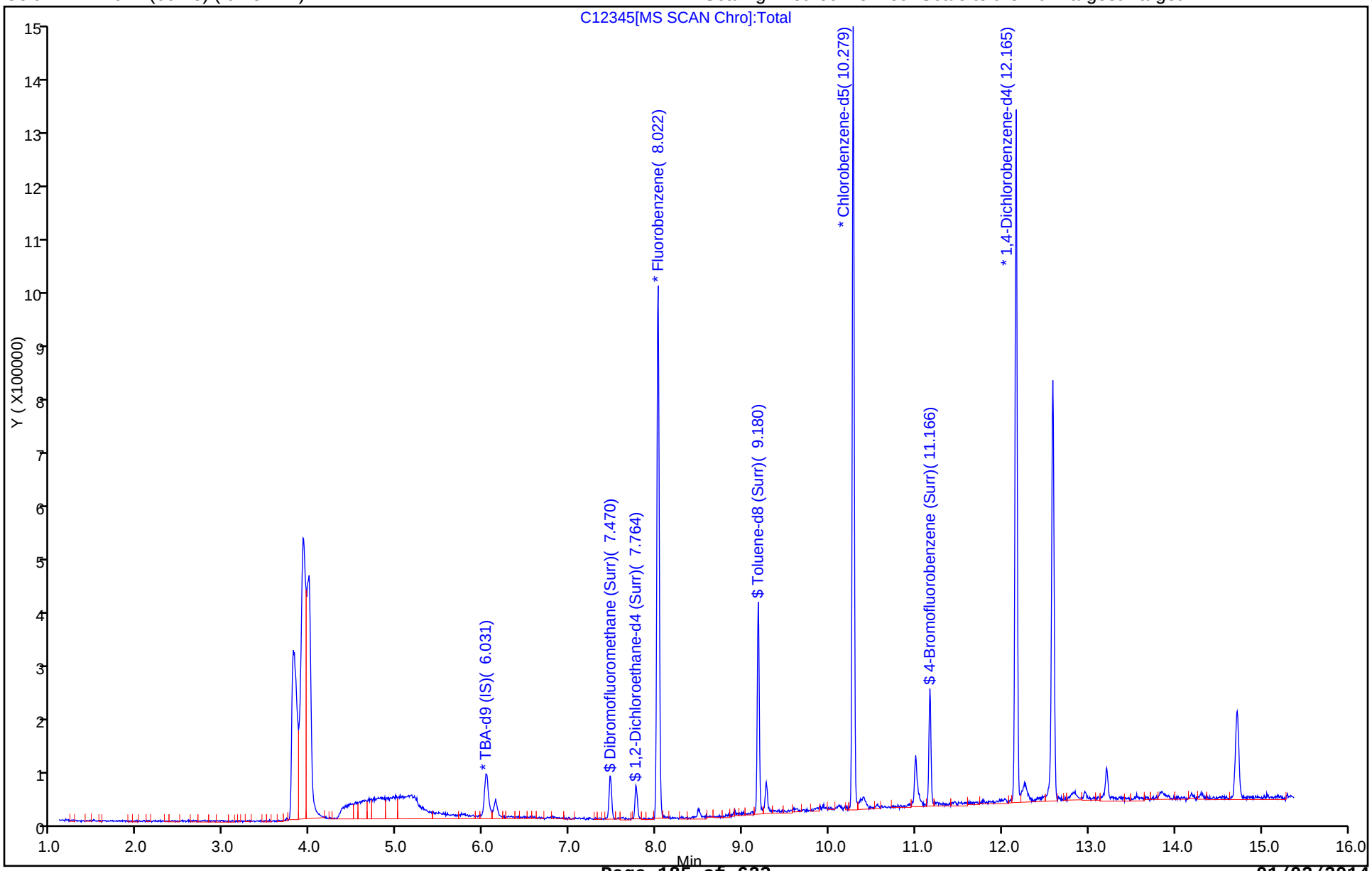
Report Date: 20-Dec-2013 17:42:56 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12345.D

Injection Date:	19-Dec-2013 21:58:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_C\20131219-18488.b\C12346.D				
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	19-Dec-2013 22:18:30	ALS Bottle#:	17	Worklist Smp#:	10
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Sample Info:	ic				
Operator ID:	contrerase	Instrument ID:	VMS_C		
Sublist:	chrom-AQ_VMSC_8260*sub92				
Method:	\\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m				
Limit Group:	MSV - 8260B Water and Solid				
Last Update:	20-Dec-2013 17:42:55	Calib Date:	20-Dec-2013 02:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D				
Column 1 :	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		
Process Host:	XAWRK003				
First Level Reviewer: contrerase		Date:	20-Dec-2013 15:42:59		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.044	6.030	0.014	0	146278	250.0	
* 1 Fluorobenzene	96	8.024	8.022	0.002	98	921547	12.5	
* 2 Chlorobenzene-d5	119	10.286	10.278	0.008	88	276596	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.166	12.164	0.002	97	390544	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.471	7.470	0.001	73	122392	5.19	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.771	7.770	0.001	0	106477	5.18	
$ 7 Toluene-d8 (Surr)	98	9.187	9.180	0.007	94	594384	5.00	
$ 8 4-Bromofluorobenzene (Surr)	95	11.167	11.166	0.001	85	193475	5.49	

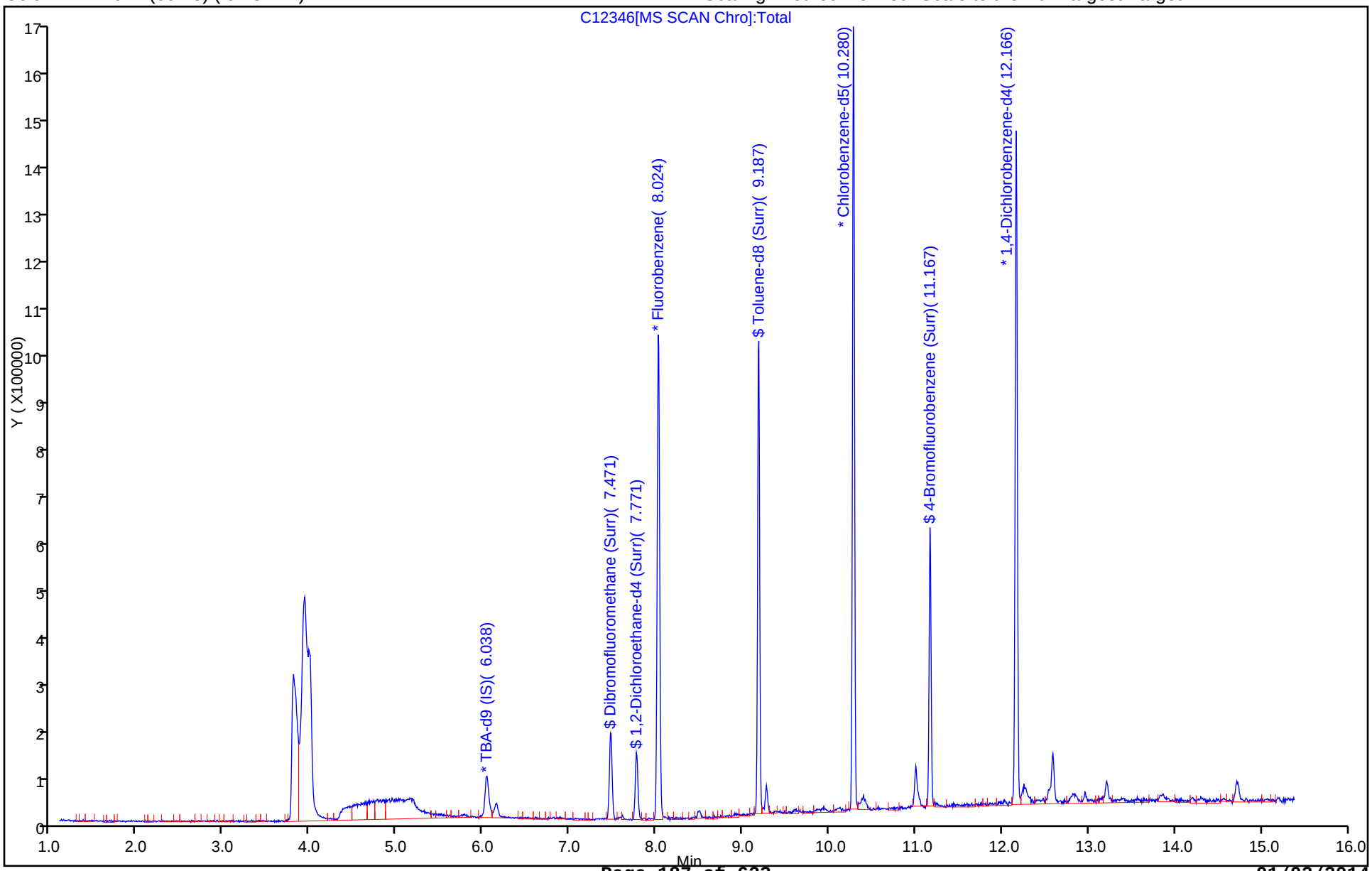
Report Date: 20-Dec-2013 17:42:55 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12346.D

Injection Date:	19-Dec-2013 22:18:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12347.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 19-Dec-2013 22:38:30 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub92

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 17:42:55 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 15:43:07

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.030	6.030	0.0	0	155025	250.0	
* 1 Fluorobenzene	96	8.022	8.022	0.0	98	1006818	12.5	
* 2 Chlorobenzene-d5	119	10.278	10.278	0.0	87	270265	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.164	12.164	0.0	97	403315	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.470	7.470	0.0	80	233735	9.07	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.770	7.770	0.0	0	208796	9.30	
$ 7 Toluene-d8 (Surr)	98	9.180	9.180	0.0	94	1063097	9.15	
$ 8 4-Bromofluorobenzene (Surr)	95	11.166	11.166	0.0	85	329425	9.05	

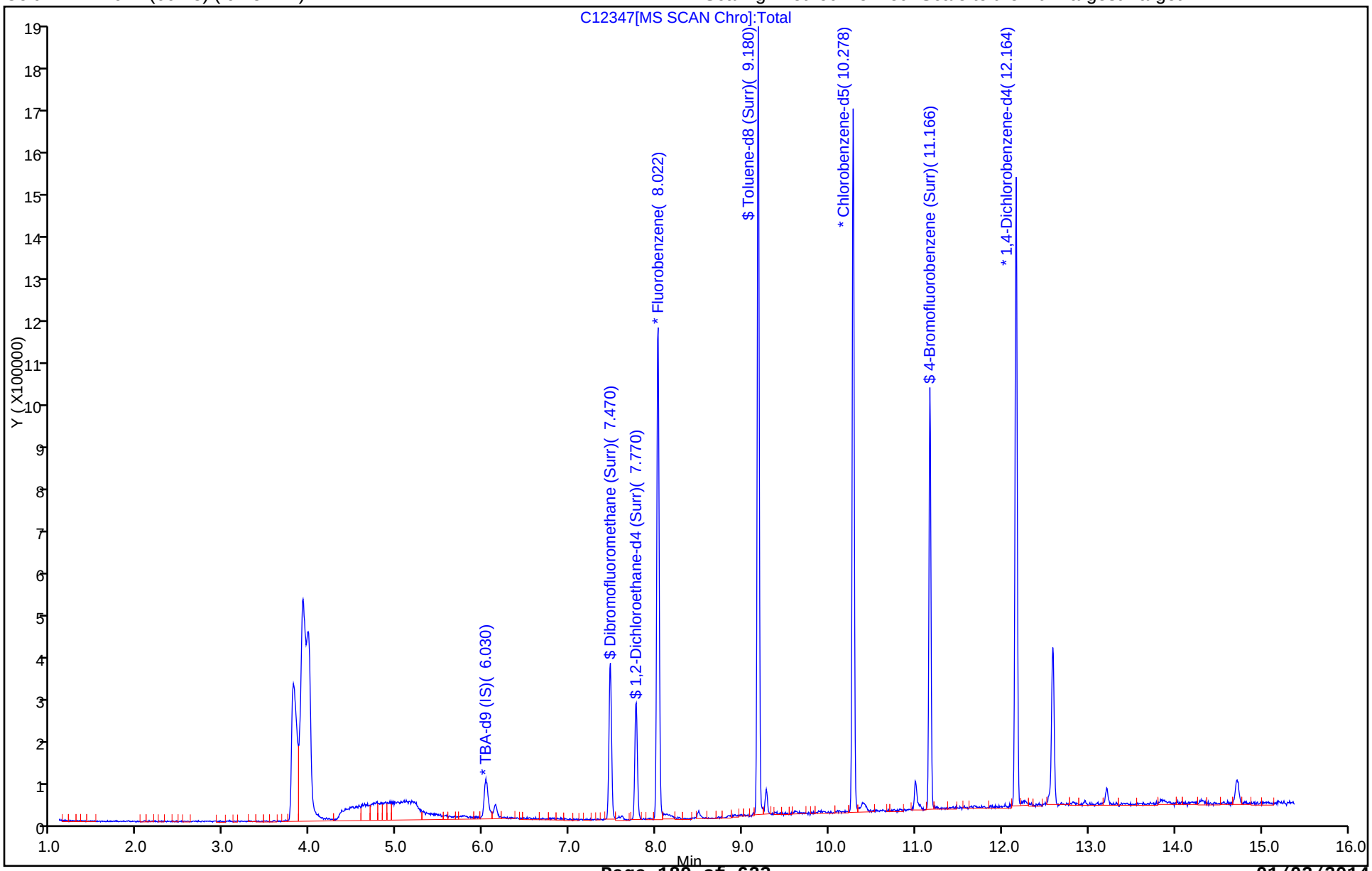
Report Date: 20-Dec-2013 17:42:55 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12347.D

Injection Date:	19-Dec-2013 22:38:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	11
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12348.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 19-Dec-2013 22:58:30 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub92

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 17:42:54 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 15:43:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.040	6.030	0.010	0	143217	250.0	
* 1 Fluorobenzene	96	8.026	8.022	0.004	98	931448	12.5	
* 2 Chlorobenzene-d5	119	10.277	10.284	-0.007	87	255810	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.164	-0.001	97	384667	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.468	7.470	-0.002	76	694231	29.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.768	7.770	-0.002	0	596946	28.7	
$ 7 Toluene-d8 (Surr)	98	9.184	9.180	0.004	94	3274417	29.8	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.166	0.004	85	993410	28.6	

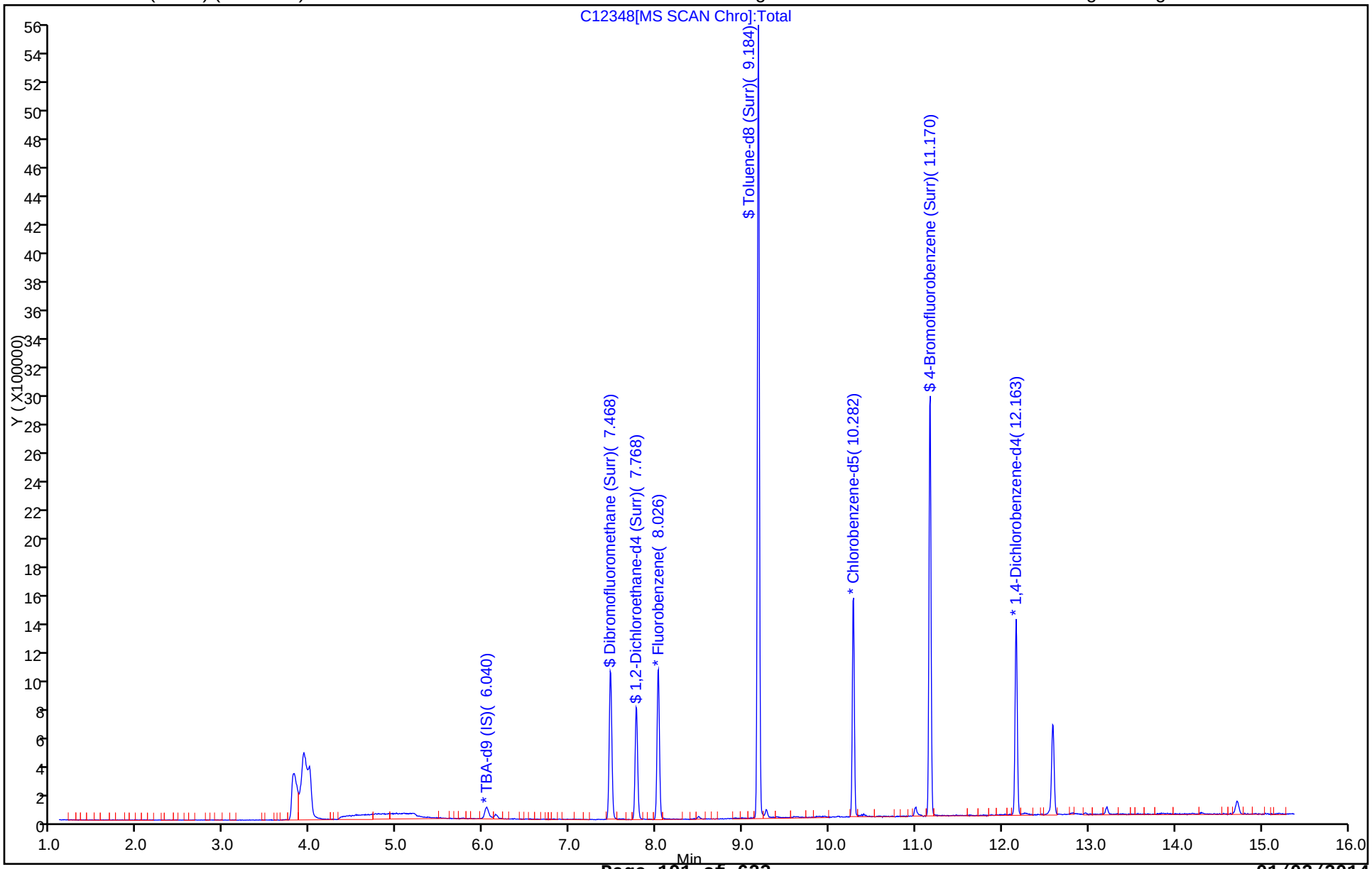
Report Date: 20-Dec-2013 17:42:54 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12348.D

Injection Date:	19-Dec-2013 22:58:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	12
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12349.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 19-Dec-2013 23:18:30 ALS Bottle#: 20 Worklist Smp#: 13
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub92

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 17:42:53 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 15:48:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.044	6.030	0.014	0	145999	250.0	
* 1 Fluorobenzene	96	8.024	8.022	0.002	98	1040292	12.5	
* 2 Chlorobenzene-d5	119	10.280	10.284	-0.004	88	281248	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.166	12.164	0.002	96	424592	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.471	7.470	0.001	75	1465369	55.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.771	7.770	0.001	0	1248274	53.8	
$ 7 Toluene-d8 (Surr)	98	9.181	9.180	0.001	94	6820852	56.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.167	11.166	0.001	85	2161094	56.4	

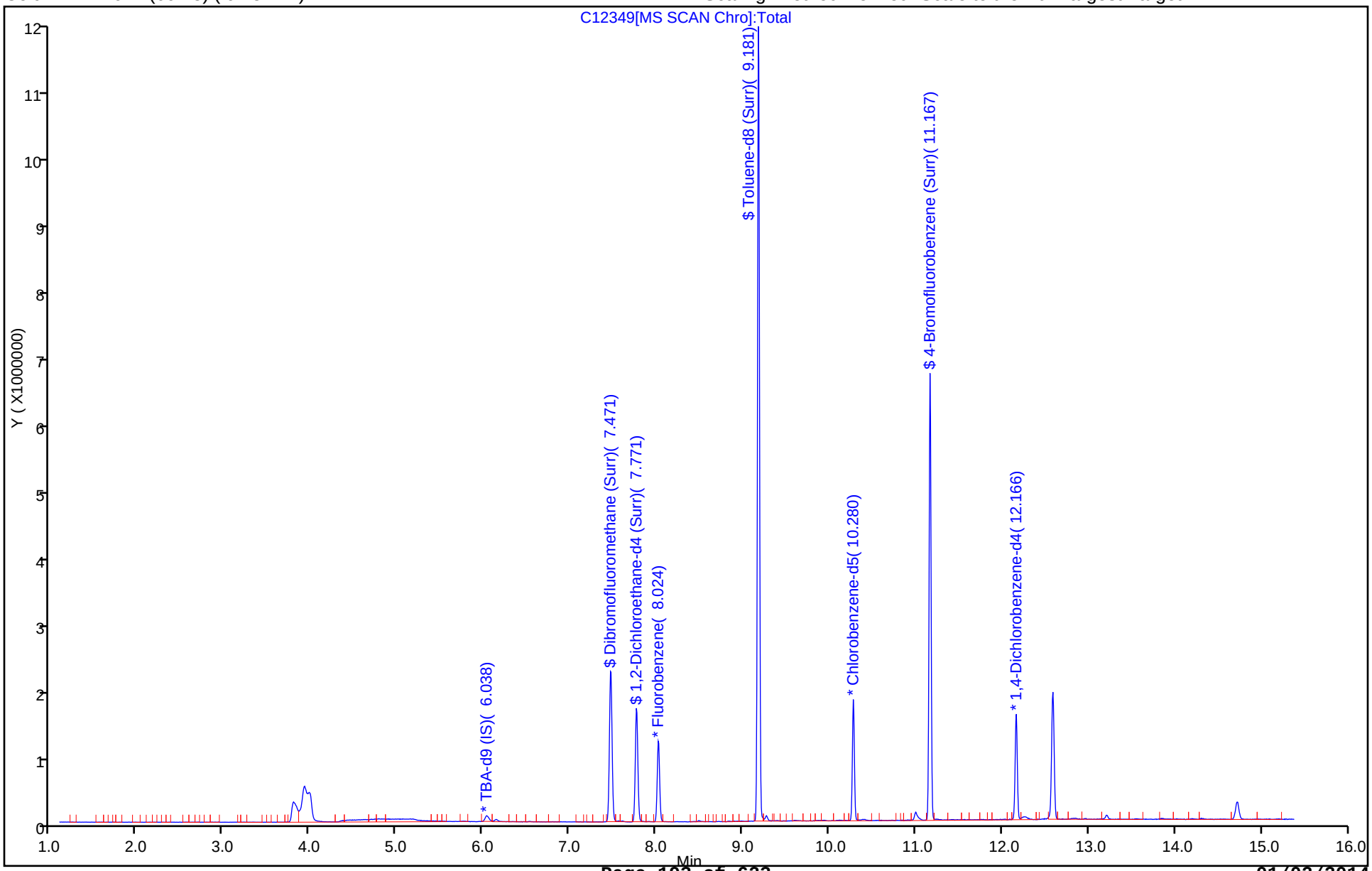
Report Date: 20-Dec-2013 17:42:54 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12349.D

Injection Date:	19-Dec-2013 23:18:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	13
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-206019/15	C12353.D
Level 2	IC 280-206019/16	C12354.D
Level 3	IC 280-206019/17	C12355.D
Level 4	IC 280-206019/18	C12356.D
Level 5	IC 280-206019/19	C12357.D
Level 6	IC 280-206019/20	C12358.D
Level 7	IC 280-206019/21	C12359.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.6298	0.5708 0.5877	0.6162	0.5079	0.6695	Ave		0.5970				9.3		15.0			
Chloromethane	+++++ 0.4595	0.4961 0.4345	0.5227	0.4192	0.5099	Ave		0.4737			0.1000	8.9		15.0			
Vinyl chloride	+++++ 0.4776	0.4610 0.4507	0.5034	0.4076	0.5227	Ave		0.4705				8.7		30.0			
Butadiene	+++++ 0.4178	0.3763 0.3967	0.4235	0.3362	0.4540	Ave		0.4008				10.0		15.0			
Bromomethane	+++++ 0.3036	0.3514 0.2840	0.3603	0.2980	0.3476	Ave		0.3242				10.0		15.0			
Chloroethane	+++++ 0.2606	0.1911 0.2424	0.2848	0.2298	0.2933	Ave		0.2503				15.0		15.0			
Dichlorofluoromethane	+++++ 0.9023	0.8580 0.8432	1.0494	0.8340	1.0126	Ave		0.9166				10.0		15.0			
Trichlorofluoromethane	+++++ 0.8675	0.7875 0.8403	0.9144	0.7443	0.9382	Ave		0.8487				8.7		15.0			
Ethyl ether	+++++ 0.1923	0.2321 0.1783	0.1964	0.1786	0.2173	Ave		0.1992				11.0		15.0			
Acrolein	+++++ 0.0105	0.0115 0.0102	0.0115	0.0103	0.0123	Ave		0.0111				7.4		15.0			
1,1,2-Trichlorotrifluoroethane	+++++ 0.4110	0.5452 0.4297	0.4545	0.3944	0.4544	Ave		0.4482				12.0		15.0			
Acetone	+++++ 0.0392	0.0483 0.0344	0.0515	0.0380	0.0431	Ave		0.0424				15.0		15.0			
1,1-Dichloroethene	+++++ 0.4764	0.5537 0.5042	0.5521	0.4508	0.5351	Ave		0.5120				8.3		30.0			
Iodomethane	+++++ 0.6724	0.8782 0.6774	0.7559	0.6360	0.7519	Ave		0.7286				12.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Methyl acetate	+++++ 0.0907	0.1140 0.0834	0.0970	0.0853	0.1022	Ave		0.0954				12.0		15.0			
Allyl chloride	+++++ 0.8993	1.0937 0.8842	0.9711	0.8449	1.0101	Ave		0.9505				9.7		15.0			
Carbon disulfide	+++++ 1.9899	2.5414 2.0531	2.2045	1.9478	2.2552	Ave		2.1653				10.0		15.0			
Tert-butyl alcohol (2-methyl-2-propanol)	+++++ 1.4288	1.6818 1.3615	1.6376	1.2869	1.5252	Ave		1.4870				10.0		15.0			
Methylene Chloride	+++++ 0.3749	0.6729 0.3560	0.5366	0.3857	0.4503	Lin1	0.3366	0.3589							0.9960		0.9900
Acrylonitrile	+++++ 0.0422	0.0509 0.0391	0.0460	0.0376	0.0461	Ave		0.0436				11.0		15.0			
Methyl tert-butyl ether	+++++ 0.5765	0.6655 0.5448	0.6130	0.5212	0.6386	Ave		0.5933				9.4		15.0			
trans-1,2-Dichloroethene	+++++ 0.4687	0.5883 0.4776	0.5422	0.4569	0.5245	Ave		0.5097				10.0		15.0			
Hexane	+++++ 3.2349	4.0599 3.2547	3.4835	3.2398	3.5003	Ave		3.4622				9.2		15.0			
Vinyl acetate	+++++ 0.2634	0.3007 0.2402	0.2893	0.2327	0.3285	Ave		0.2758				13.0		15.0			
1,1-Dichloroethane	+++++ 0.8390	1.0819 0.8314	0.9556	0.8179	0.9481	Ave		0.9123			0.1000	11.0		15.0			
2-Butanone (MEK)	+++++ 0.0645	0.0652 0.0594	0.0694	0.0592	0.0722	Ave		0.0650				8.0		15.0			
sec-Butyl Alcohol	+++++ 1.1397	1.2369 1.0450	1.0287	0.8771	1.0977	Ave		1.0708				11.0		15.0			
cis-1,2-Dichloroethene	+++++ 0.4302	0.5364 0.4216	0.4832	0.4084	0.4756	Ave		0.4592				11.0		15.0			
2,2-Dichloropropane	+++++ 0.6974	0.8991 0.7048	0.7664	0.6682	0.7823	Ave		0.7530				11.0		15.0			
Chlorobromomethane	+++++ 0.1293	0.1508 0.1239	0.1456	0.1225	0.1458	Ave		0.1363				9.2		15.0			
Chloroform	+++++ 0.7042	0.8885 0.6931	0.7865	0.6700	0.7875	Ave		0.7550				11.0		30.0			
Tetrahydrofuran	+++++ 0.0336	0.0433 0.0316	0.0361	0.0317	0.0383	Ave		0.0358				13.0		15.0			
Isobutyl alcohol	+++++ 0.1933	0.3318 0.1670	0.2550	0.1669	0.1860	Lin	5.1026	0.1679							0.9940		0.9900
1,1,1-Trichloroethane	+++++ 0.7672	0.9288 0.8003	0.8174	0.7293	0.8433	Ave		0.8144				8.4		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Cyclohexane	+++++ 1.0375	1.3044 1.0870	1.1565	0.9955	1.1569	Ave		1.1230				9.8		15.0			
1,1-Dichloropropene	+++++ 0.6509	0.8310 0.6758	0.7327	0.6369	0.7363	Ave		0.7106				10.0		15.0			
Carbon tetrachloride	+++++ 0.6896	0.8375 0.7277	0.7488	0.6491	0.7605	Ave		0.7355				8.8		15.0			
1,2-Dichloroethane	+++++ 0.3419	0.4359 0.3181	0.3735	0.3195	0.3904	Ave		0.3632				13.0		15.0			
Benzene	+++++ 1.6776	2.1576 1.6705	1.9032	1.6504	1.9155	Ave		1.8291				11.0		15.0			
n-Heptane	+++++ 0.9629	1.1986 1.0052	1.0520	0.9464	1.1005	Ave		1.0443				9.1		15.0			
Trichloroethene	+++++ 0.4767	0.6048 0.4901	0.5201	0.4590	0.5125	Ave		0.5105				10.0		15.0			
2-Pentanone	+++++ 0.1054	0.1248 0.1010	0.1075	0.0957	0.1120	Ave		0.1077				9.3		15.0			
1,2-Dichloropropane	+++++ 0.3747	0.4856 0.3596	0.4223	0.3569	0.4169	Ave		0.4027				12.0		30.0			
Methylcyclohexane	+++++ 0.8123	1.0087 0.8532	0.9037	0.7907	0.9113	Ave		0.8800				9.0		15.0			
1,4-Dioxane	+++++ 0.0012	0.0008 0.0011	0.0008	0.0009	0.0012	Lin1	-0.010	0.0012							0.9940		0.9900
Dibromomethane	+++++ 0.1260	0.1454 0.1174	0.1343	0.1122	0.1370	Ave		0.1287				9.7		15.0			
Dichlorobromomethane	+++++ 0.4258	0.4917 0.4179	0.4370	0.3883	0.4694	Ave		0.4383				8.5		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0668	0.0766 0.0711	0.0615	0.0603	0.0712	Ave		0.0679				9.2		15.0			
cis-1,3-Dichloropropene	+++++ 1.6541	2.0563 1.5996	1.7075	1.5180	1.8105	Ave		1.7243				11.0		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.1209	0.1098 0.1185	0.1188	0.1078	0.1372	Ave		0.1188				8.8		15.0			
Toluene	+++++ 1.6730	2.1493 1.7380	1.8879	1.6557	2.0143	Ave		1.8530				11.0		30.0			
Ethyl methacrylate	+++++ 0.6680	0.6852 0.6711	0.6364	0.5501	0.7003	Ave		0.6519				8.3		15.0			
trans-1,3-Dichloropropene	+++++ 0.3452	0.3929 0.3440	0.3805	0.3043	0.3912	Ave		0.3597				9.7		15.0			
1,1,2-Trichloroethane	+++++ 0.1586	0.1951 0.1576	0.1775	0.1487	0.1914	Ave		0.1715				11.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Hexanone	+++++ 0.3010	0.2987 0.2904	0.3092	0.2672	0.3266	Ave		0.2988				6.6		15.0			
1,3-Dichloropropane	+++++ 1.1671	1.4313 1.0994	1.2082	1.1002	1.3298	Ave		1.2227				11.0		15.0			
Tetrachloroethene	+++++ 1.2851	1.7215 1.3738	1.4763	1.3119	1.4552	Ave		1.4373				11.0		15.0			
Chlorodibromomethane	+++++ 0.7296	0.8492 0.7252	0.7187	0.6349	0.7943	Ave		0.7420				9.8		15.0			
1,2-Dibromoethane	+++++ 0.5412	0.6372 0.5263	0.5967	0.5005	0.6074	Ave		0.5682				9.4		15.0			
1-Chlorohexane	+++++ 2.2470	2.7620 2.5740	2.4610	2.2235	2.6227	Ave		2.4817				8.6		15.0			
Chlorobenzene	+++++ 3.4310	4.3931 3.5088	3.9447	3.4468	3.9924	Ave		3.7861			0.3000	10.0		15.0			
Ethylbenzene	+++++ 2.2282	2.9258 2.4231	2.5132	2.2247	2.5880	Ave		2.4838				11.0		30.0			
1,1,1,2-Tetrachloroethane	+++++ 1.1127	1.3229 1.1118	1.1347	1.0234	1.2281	Ave		1.1556				9.1		15.0			
m-Xylene & p-Xylene	+++++ 2.7011	3.3444 2.9014	2.9628	2.7210	3.1259	Ave		2.9594				8.3		15.0			
o-Xylene	+++++ 2.4653	2.9990 2.5642	2.6654	2.4078	2.8409	Ave		2.6571				8.6		15.0			
Styrene	+++++ 3.3935	3.6419 3.6210	3.2801	3.0531	3.7686	Ave		3.4597				7.7		15.0			
Bromoform	+++++ 0.3417	0.3508 0.3390	0.3171	0.2831	0.3550	Ave		0.3311			0.1000	8.1		15.0			
Isopropylbenzene	+++++ 4.5031	5.9522 4.8572	5.1253	4.5564	5.3011	Ave		5.0492				11.0		15.0			
Cyclohexanone	+++++ 0.0143	0.0129 0.0140	0.0128	0.0126	0.0150	Ave		0.0136				6.9		15.0			
1,1,2,2-Tetrachloroethane	+++++ 0.3623	0.4635 0.3418	0.3803	0.3350	0.4178	Lin1	0.1083	0.3501			0.3000				0.9960		0.9900
trans-1,4-Dichloro-2-butene	+++++ 0.1006	0.1149 0.0959	0.1137	0.0872	0.1035	Ave		0.1026				10.0		15.0			
1,2,3-Trichloropropane	+++++ 0.1060	0.1289 0.1015	0.1147	0.1052	0.1198	Ave		0.1127				9.2		15.0			
N-Propylbenzene	+++++ 1.2542	1.5814 1.4027	1.4000	1.2315	1.4503	Ave		1.3867				9.3		15.0			
Bromobenzene	+++++ 0.7585	1.0102 0.7910	0.8693	0.7785	0.9216	Ave		0.8549				11.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,3,5-Trimethylbenzene	+++++ 3.5870	4.3858 3.8936	3.9145	3.6303	4.1992	Ave		3.9351				7.9		15.0			
2-Chlorotoluene	+++++ 0.9423	1.2405 1.0183	1.1002	0.9702	1.1108	Ave		1.0637				10.0		15.0			
4-Chlorotoluene	+++++ 0.9282	1.2353 1.0224	1.0451	0.9277	1.1166	Ave		1.0459				11.0		15.0			
tert-Butylbenzene	+++++ 3.6837	4.7563 4.0832	3.9982	3.6374	4.2681	Ave		4.0712				10.0		15.0			
1,2,4-Trimethylbenzene	+++++ 3.4443	4.3754 3.7702	3.8727	3.5254	4.1285	Ave		3.8528				9.2		15.0			
sec-Butylbenzene	+++++ 1.0199	1.3456 1.1789	1.1290	1.0415	1.1867	Ave		1.1502				10.0		15.0			
4-Isopropyltoluene	+++++ 4.1374	5.4935 4.6515	4.4953	4.1873	4.8885	Ave		4.6422				11.0		15.0			
1,3-Dichlorobenzene	+++++ 1.6458	2.2107 1.7918	1.8495	1.6452	1.9125	Ave		1.8426				11.0		15.0			
1,4-Dichlorobenzene	+++++ 1.5517	2.1119 1.6762	1.8062	1.5733	1.8225	Ave		1.7570				12.0		15.0			
n-Butylbenzene	+++++ 4.0818	5.3559 4.6642	4.3981	4.1120	4.8010	Ave		4.5688				11.0		15.0			
1,2-Dichlorobenzene	+++++ 1.3169	1.7067 1.3925	1.5210	1.2959	1.5236	Ave		1.4594				11.0		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0580	0.0650 0.0550	0.0512	0.0478	0.0609	Lin1	0.0010	0.0560							0.9970		0.9900
1,2,4-Trichlorobenzene	+++++ 0.9383	1.2213 1.0125	1.0251	0.9062	1.0736	Ave		1.0295				11.0		15.0			
Hexachlorobutadiene	+++++ 0.7652	1.1572 0.9057	0.8816	0.7634	0.8781	Lin1	0.1284	0.8523							0.9920		0.9900
Naphthalene	+++++ 1.2758	1.4874 1.2516	1.2862	1.1213	1.4049	Ave		1.3045				9.8		15.0			
1,2,3-Trichlorobenzene	+++++ 0.7515	0.9668 0.7775	0.8213	0.7311	0.8486	Ave		0.8161				10.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-206019/15	C12353.D
Level 2	IC 280-206019/16	C12354.D
Level 3	IC 280-206019/17	C12355.D
Level 4	IC 280-206019/18	C12356.D
Level 5	IC 280-206019/19	C12357.D
Level 6	IC 280-206019/20	C12358.D
Level 7	IC 280-206019/21	C12359.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 1328284	40083 2716841	88326	202945	420973	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 969216	34837 2008858	74919	167491	320625	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 1007232	32373 2083305	72155	162863	328700	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Butadiene	FB	Ave	+++++ 881172	26425 1834112	60702	134338	285463	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 640373	24676 1313006	51637	119081	218553	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 549665	13417 1120676	40823	91832	184425	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 1902996	60252 3897835	150416	333229	636727	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 1829577	55302 3884684	131069	297373	589971	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Ethyl ether	FB	Ave	+++++ 405600	16296 824301	28152	71352	136668	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 222180	8068 473415	16465	41127	77159	+++++ 300	10.0 600	20.0	50.0	100
1,1,2-Trichlorotrifluoroethane	FB	Ave	+++++ 866753	38287 1986679	65143	157590	285721	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acetone	FB	Ave	+++++ 330881	13571 636155	29543	60689	108516	+++++ 120	4.00 240	8.00	20.0	40.0
1,1-Dichloroethene	FB	Ave	+++++ 1004844	38879 2330860	79136	180115	336462	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	+++++ 1418156	61671 3131321	108348	254105	472785	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methyl acetate	FB	Ave	+++++ 956205	40009 1928558	69536	170372	321355	+++++ 150	5.00 300	10.0	25.0	50.0

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Allyl chloride	FB	Ave	+++++ 1896696	76799 4087365	139185	337582	635158	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon disulfide	FB	Ave	+++++ 4196902	178455 9491235	315969	778235	1418123	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Tert-butyl alcohol (2-methyl-2-propanol)	TBA	Ave	+++++ 231431	9048 485267	18779	40757	74516	+++++ 300	10.0 600	20.0	50.0	100
Methylene Chloride	FB	Lin1	+++++ 790760	47253 1645818	76907	154099	283164	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrylonitrile	FB	Ave	+++++ 890283	35771 1808279	65866	150138	289892	+++++ 300	10.0 600	20.0	50.0	100
Methyl tert-butyl ether	FB	Ave	+++++ 1215888	46729 2518379	87867	208258	401571	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 988567	41314 2207674	77716	182550	329788	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexane	CBZ	Ave	+++++ 1850335	78183 4217814	135565	345058	621292	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl acetate	FB	Ave	+++++ 1110892	42234 2220704	82923	185957	413121	+++++ 60.0	2.00 120	4.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	+++++ 1769579	75972 3843457	136963	326787	596184	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 544517	18311 1099215	39771	94681	181674	+++++ 120	4.00 240	8.00	20.0	40.0
sec-Butyl Alcohol	TBA	Ave	+++++ 553813	19963 1117374	35391	83333	160894	+++++ 900	30.0 1800	60.0	150	300
cis-1,2-Dichloroethene	FB	Ave	+++++ 907448	37667 1949121	69261	163157	299057	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 1470879	63135 3258263	109852	266996	491894	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobromomethane	FB	Ave	+++++ 272691	10589 572595	20875	48926	91664	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	+++++ 1485147	62394 3204169	112731	267710	495217	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 141876	6088 292187	10341	25351	48165	+++++ 60.0	2.00 120	4.00	10.0	20.0
Isobutyl alcohol	TBA	Lin	+++++ 78260	4462 148806	7311	13218	22714	+++++ 750	25.0 1500	50.0	125	250
1,1,1-Trichloroethane	FB	Ave	+++++ 1618053	65224 3699879	117153	291405	530305	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexane	FB	Ave	+++++ 2188218	91596 5025169	165757	397758	727485	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 1372781	58354 3124355	105026	254479	463021	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Carbon tetrachloride	FB	Ave	+++++ 1454405	58811 3364001	107331	259330	478193	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichloroethane	FB	Ave	+++++ 721101	30610 1470672	53538	127656	245469	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	+++++ 3538203	151507 7722566	272789	659435	1204495	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
n-Heptane	FB	Ave	+++++ 2030782	84165 4647091	150791	378134	691998	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	+++++ 1005451	42468 2265590	74548	183399	322262	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Pentanone	FB	Ave	+++++ 889510	35042 1867705	61618	152990	281686	+++++ 120	4.00 240	8.00	20.0	40.0
1,2-Dichloropropane	FB	Ave	+++++ 790236	34100 1662329	60534	142614	262146	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 1713205	70829 3944015	129529	315922	573033	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Lin1	+++++ 51825	1104 100873	2169	7407	15292	+++++ 600	20.0 1200	40.0	100	200
Dibromomethane	FB	Ave	+++++ 265774	10211 542584	19252	44845	86170	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	+++++ 898027	34528 1931671	62632	155141	295138	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 140853	5378 328772	8814	24110	44767	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Ave	+++++ 946140	39599 2072884	66449	161683	321364	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 1019845	30851 2191371	68096	172353	345104	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	+++++ 3528641	150923 8034614	270597	661551	1266640	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Ethyl methacrylate	CBZ	Ave	+++++ 382102	13196 869700	24766	58587	124304	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 727970	27591 1590297	54534	121590	245982	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 334577	13700 728763	25440	59418	120378	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 688760	23007 1505128	48135	113837	231875	+++++ 120	4.00 240	8.00	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	+++++ 667566	27563 1424713	47019	117183	236041	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 735045	33151 1780272	57451	139729	258301	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Chlorodibromomethane	CBZ	Ave	+++++ 417344	16354 939824	27970	67625	140990	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromoethane	CBZ	Ave	+++++ 309556	12271 681989	23223	53307	107809	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1-Chlorohexane	CBZ	Ave	+++++ 1285300	53190 3335620	95772	236821	465530	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	+++++ 1962507	84601 4547087	153513	367114	708653	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 1274523	56343 3140072	97807	236942	459368	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	+++++ 636473	25476 1440719	44158	109003	217993	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 1545018	64405 3759872	115302	289804	554853	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
o-Xylene	CBZ	Ave	+++++ 1410149	57753 3322934	103728	256447	504254	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 1941094	70133 4692511	127651	325180	668925	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromoform	CBZ	Ave	+++++ 195425	6756 439372	12341	30157	63018	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 4142541	174797 10020490	315356	774049	1488631	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 326488	9954 725659	19975	53821	106221	+++++ 1200	40.0 2400	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Lin1	+++++ 333282	13612 705205	23401	56906	117332	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 92524	3373 197843	6994	14809	29061	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 97554	3784 209329	7056	17879	33654	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 1153778	46442 2893705	86141	209205	407260	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 697739	29667 1631927	53487	132251	258807	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 3299813	128797 8032516	240856	616721	1179217	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 866860	36431 2100704	67693	164818	311936	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 853887	36278 2109124	64305	157598	313572	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 3388806	139679 8423687	246006	617926	1198559	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206019

SDG No.: 294

Instrument ID: VMS_C GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 12/20/2013 00:37 Calibration End Date: 12/20/2013 02:36 Calibration ID: 16565

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 3168537	128492 7777915	238283	598901	1159364	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 938237	39515 2432098	69465	176927	333242	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Isopropyltoluene	DCB	Ave	+++++ 3806160	161326 9596096	276594	711332	1372768	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 1514065	64921 3696506	113797	279482	537061	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 1427430	62020 3457947	111133	267277	511786	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 3755019	157287 9622226	270610	698545	1348194	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 1211480	50122 2872827	93585	220140	427847	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin1	+++++ 53357	1908 113401	3149	8117	17105	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 863166	35865 2088771	63074	153950	301472	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Lin1	+++++ 703919	33982 1868410	54245	129684	246596	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 1173648	43681 2581985	79142	190484	394524	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 691340	28391 1603883	50537	124199	238305	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12353.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Dec-2013 00:37:30 ALS Bottle#: 24 Worklist Smp#: 15
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:20:19 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 15:50:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.034	6.030	0.004	0	116854	250.0	
* 1 Fluorobenzene	96	8.020	8.022	-0.002	98	659704	12.5	
* 2 Chlorobenzene-d5	119	10.282	10.284	-0.002	86	191576	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.164	-0.002	96	289140	12.5	
24 Dichlorodifluoromethane	85	4.237	4.238	-0.002	66	4831	0.1533	
26 Chloromethane	50	4.472	4.479	-0.007	60	7860	0.3144	
27 Vinyl chloride	62	4.624	4.631	-0.007	67	4293	0.1729	
147 Butadiene	54	4.636	4.649	-0.013	80	5921	0.2799	
29 Bromomethane	94	4.994	5.007	-0.013	54	3493	0.2042	
31 Chloroethane	64	5.065	5.084	-0.019	37	2187	0.1655	
32 Dichlorofluoromethane	67	5.229	5.231	-0.002	81	15061	0.3113	
33 Trichlorofluoromethane	101	5.341	5.348	-0.007	64	13294	0.2968	
36 Ethyl ether	59	5.500	5.501	-0.001	81	5485	0.5218	
39 Acrolein	56	5.658	5.654	0.004	56	1257	2.15	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.747	5.754	-0.008	74	9130	0.3860	
40 Acetone	43	5.758	5.760	-0.002	72	6848	3.06	
43 1,1-Dichloroethene	96	5.788	5.789	-0.001	80	12739	0.4714	
45 Iodomethane	142	5.964	5.965	-0.001	91	19436	0.5054	
46 Methyl acetate	43	5.993	5.995	-0.002	66	13335	2.65	
47 3-Chloro-1-propene	41	6.046	6.047	-0.001	47	23286	0.4642	
48 Carbon disulfide	76	6.070	6.071	-0.001	98	50895	0.4454	
49 2-Methyl-2-propanol	59	6.105	6.100	0.005	46	2590	3.73	
50 Methylene Chloride	84	6.146	6.141	0.005	90	21320	0.1877	
51 Acrylonitrile	53	6.305	6.300	0.005	92	10989	4.77	
52 Methyl tert-butyl ether	73	6.322	6.324	-0.002	87	14815	0.4732	
53 trans-1,2-Dichloroethene	96	6.369	6.365	0.004	87	10444	0.3883	
54 Hexane	57	6.528	6.529	-0.001	89	20157	0.3799	
55 Vinyl acetate	43	6.622	6.623	-0.001	96	13490	0.9268	
57 1,1-Dichloroethane	63	6.692	6.694	-0.002	86	21348	0.4434	
61 2-Butanone (MEK)	43		7.076					
62 sec-Butyl Alcohol	45	7.104	7.117	-0.013	39	2371	4.74	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.133	7.128	0.005	76	10072	0.4156	
65 2,2-Dichloropropane	77	7.162	7.158	0.004	66	18834	0.4739	
67 Chlorobromomethane	128	7.333	7.334	-0.001	80	2860	0.3976	
68 Chloroform	83	7.339	7.340	-0.001	71	17483	0.4388	
69 Tetrahydrofuran	42		7.364					
70 Isobutyl alcohol	41	7.627	7.534	0.093	24	18058	199.8	
71 1,1,1-Trichloroethane	97	7.562	7.563	-0.001	81	17590	0.4093	
72 Cyclohexane	56	7.638	7.634	0.004	89	25595	0.4319	
73 1,1-Dichloropropene	75	7.662	7.663	-0.001	80	16284	0.4342	
74 Carbon tetrachloride	117	7.703	7.704	-0.001	73	14672	0.3780	
75 1,2-Dichloroethane	62		7.828					
77 Benzene	78	7.850	7.851	-0.001	95	41575	0.4307	
9 n-Heptane	43	7.920	7.916	0.004	92	23047	0.4182	
79 Trichloroethene	95	8.308	8.304	0.004	91	10951	0.4064	
80 2-Pentanone	43	8.338	8.339	-0.001	91	10597	1.86	
82 1,2-Dichloropropane	63	8.484	8.486	-0.002	69	9731	0.4579	
83 Methylcyclohexane	55	8.490	8.486	0.004	91	19949	0.4296	
84 1,4-Dioxane	88		8.533					
85 Dibromomethane	93	8.578	8.580	-0.002	71	2853	0.4199	
86 Dichlorobromomethane	83	8.649	8.650	-0.001	73	9432	0.4077	
88 2-Chloroethyl vinyl ether	63		8.779					
89 cis-1,3-Dichloropropene	75	8.955	8.962	-0.008	70	10492	0.3970	
90 4-Methyl-2-pentanone (MIBK)	43	9.007	9.009	-0.002	83	8344	1.33	
91 Toluene	91	9.231	9.232	-0.001	95	45006	0.4602	
92 Ethyl methacrylate	69	9.301	9.308	-0.007	44	4393	0.4397	
93 trans-1,3-Dichloropropene	75	9.331	9.332	-0.001	79	9119	0.4804	
94 1,1,2-Trichloroethane	97	9.495	9.490	0.005	76	4309	0.4761	
95 2-Hexanone	43	9.607	9.602	0.005	55	8065	1.76	
96 1,3-Dichloropropane	76	9.636	9.631	0.005	81	7881	0.4206	
97 Tetrachloroethene	164	9.654	9.655	-0.001	88	8026	0.3644	
98 Chlorodibromomethane	129	9.830	9.831	-0.001	45	4043	0.3555	
100 Ethylene Dibromide	107	9.959	9.960	-0.001	52	3846	0.4416	
101 1-Chlorohexane	91	10.182	10.184	-0.002	91	14914	0.3921	
102 Chlorobenzene	112	10.306	10.307	-0.001	78	25595	0.4411	
104 Ethylbenzene	106	10.335	10.336	-0.001	90	15651	0.4111	
103 1,1,1,2-Tetrachloroethane	131	10.341	10.336	0.005	19	7495	0.4232	
105 m-Xylene & p-Xylene	106	10.412	10.413	-0.001	98	18361	0.4048	
109 o-Xylene	106	10.747	10.742	0.005	89	15909	0.3907	
106 Styrene	104	10.741	10.742	-0.001	78	19444	0.3667	
107 Bromoform	173		10.953					
108 Isopropylbenzene	105	11.005	11.006	-0.001	95	47786	0.4091	
111 Cyclohexanone	55	11.146	11.153	-0.007	48	3328	16.0	
112 1,1,2,2-Tetrachloroethane	83	11.217	11.218	-0.001	25	4299	0.2214	
113 trans-1,4-Dichloro-2-butene	53	11.246	11.247	-0.001	35	1156	0.4870	
114 1,2,3-Trichloropropane	110	11.299	11.294	0.005	1	1170	0.4489	
115 N-Propylbenzene	120	11.334	11.335	-0.001	96	12775	0.3983	
116 Bromobenzene	156	11.340	11.341	-0.001	55	8977	0.4540	
120 1,3,5-Trimethylbenzene	105	11.446	11.441	0.005	88	34215	0.3759	
117 2-Chlorotoluene	126	11.469	11.465	0.004	90	10472	0.4256	
118 4-Chlorotoluene	126	11.546	11.547	-0.001	95	9809	0.4055	
119 tert-Butylbenzene	119	11.757	11.758	-0.001	91	37559	0.3988	
121 1,2,4-Trimethylbenzene	105	11.781	11.782	-0.001	94	36708	0.4119	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.939	11.940	-0.001	92	11263	0.4233	
123 4-Isopropyltoluene	119	12.033	12.035	-0.001	95	44462	0.4141	
124 1,3-Dichlorobenzene	146	12.115	12.117	-0.002	65	17971	0.4216	
126 1,4-Dichlorobenzene	146	12.186	12.187	-0.001	66	17578	0.4325	
127 n-Butylbenzene	91	12.415	12.416	-0.001	94	43756	0.4140	
128 1,2-Dichlorobenzene	146	12.568	12.563	0.005	65	14635	0.4335	
129 1,2-Dibromo-3-Chloropropane	157	13.343	13.356	-0.013	1	397	0.2888	
130 1,2,4-Trichlorobenzene	180	14.342	14.349	-0.007	76	10959	0.4602	
131 Hexachlorobutadiene	225	14.507	14.502	0.005	74	7424	0.2259	
132 Naphthalene	128	14.748	14.743	0.005	79	13187	0.4370	
133 1,2,3-Trichlorobenzene	180	15.077	15.084	-0.007	55	9057	0.4798	
S 140 1,2-Dichloroethene, Total (URS)	96				0		0.8038	
S 137 Total BTEX	1				0		2.10	
S 138 Xylenes, Total	106				0		0.7955	
S 139 Xylenes, Total (URS)	1				0		0.7955	
S 134 Trihalomethanes, Total	1				0		1.20	
S 135 1,3-Dichloropropene, Total	1				0		0.8774	
S 136 1,2-Dichloroethene, Total	1				0		0.8038	

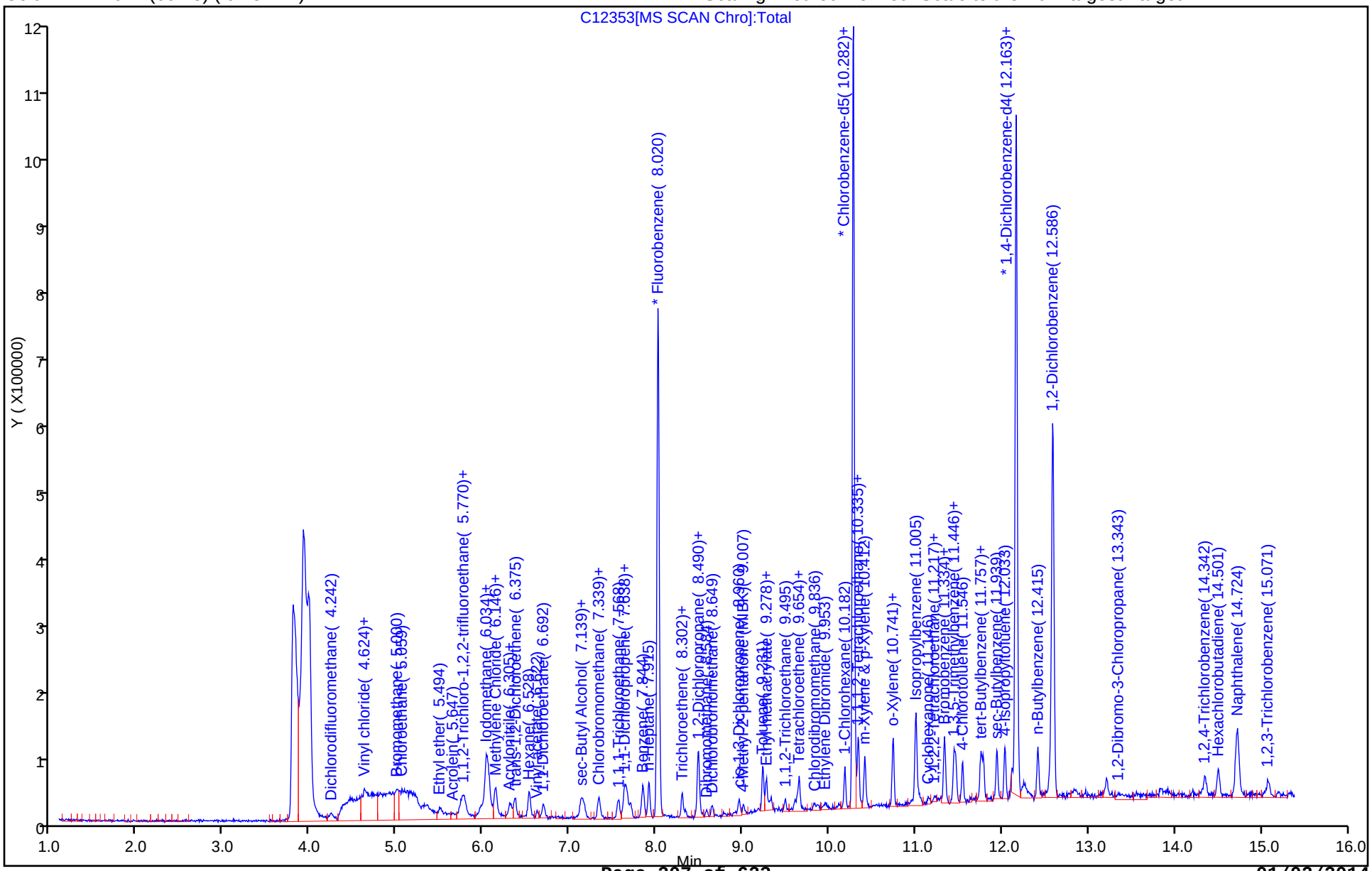
Report Date: 20-Dec-2013 21:20:19 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12353.D

Injection Date:	20-Dec-2013 00:37:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	15
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12354.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Dec-2013 00:57:30 ALS Bottle#: 25 Worklist Smp#: 16
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:20:20 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 16:00:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.030	0.011	0	134498	250.0	
* 1 Fluorobenzene	96	8.021	8.022	-0.001	98	877756	12.5	
* 2 Chlorobenzene-d5	119	10.277	10.284	-0.007	88	240719	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.164	-0.001	97	367087	12.5	
24 Dichlorodifluoromethane	85	4.237	4.238	-0.001	81	40083	0.9562	
26 Chloromethane	50	4.472	4.479	-0.007	86	34837	1.05	
27 Vinyl chloride	62	4.619	4.631	-0.012	82	32373	0.9799	
147 Butadiene	54	4.636	4.649	-0.013	87	26425	0.9390	
29 Bromomethane	94	5.007	5.007	0.0	81	24676	1.08	
31 Chloroethane	64	5.083	5.084	-0.001	79	13417	0.7632	
32 Dichlorofluoromethane	67	5.224	5.231	-0.007	93	60252	0.9361	
33 Trichlorofluoromethane	101	5.347	5.348	-0.001	81	55302	0.9279	
36 Ethyl ether	59	5.500	5.501	-0.001	82	16296	1.17	
39 Acrolein	56	5.659	5.654	0.005	28	8068	10.4	M
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.753	5.754	-0.001	93	38287	1.22	
40 Acetone	43	5.764	5.760	0.004	1	13571	4.55	M
43 1,1-Dichloroethene	96	5.794	5.789	0.005	84	38879	1.08	M
45 Iodomethane	142	5.976	5.965	0.011	99	61671	1.21	
46 Methyl acetate	43	5.994	5.995	-0.001	87	40009	5.97	
47 3-Chloro-1-propene	41	6.046	6.047	-0.001	72	76799	1.15	
48 Carbon disulfide	76	6.070	6.071	-0.001	99	178455	1.17	
49 2-Methyl-2-propanol	59	6.093	6.100	-0.007	40	9048	11.3	
50 Methylene Chloride	84	6.141	6.141	-0.001	88	47253	0.9369	
51 Acrylonitrile	53	6.305	6.300	0.005	98	35771	11.7	
52 Methyl tert-butyl ether	73	6.329	6.324	0.004	91	46729	1.12	
53 trans-1,2-Dichloroethene	96	6.370	6.365	0.005	92	41314	1.15	
54 Hexane	57	6.534	6.529	0.005	94	78183	1.17	
55 Vinyl acetate	43	6.628	6.623	0.005	91	42234	2.18	
57 1,1-Dichloroethane	63	6.693	6.694	-0.001	85	75972	1.19	
61 2-Butanone (MEK)	43	7.075	7.076	-0.001	91	18311	4.01	M
62 sec-Butyl Alcohol	45	7.110	7.117	-0.007	67	19963	34.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.133	7.128	0.005	70	37667	1.17	
65 2,2-Dichloropropane	77	7.163	7.158	0.005	88	63135	1.19	
67 Chlorobromomethane	128	7.333	7.334	-0.001	55	10589	1.11	
68 Chloroform	83	7.339	7.340	-0.001	80	62394	1.18	
69 Tetrahydrofuran	42	7.368	7.364	0.004	81	6088	2.42	
70 Isobutyl alcohol	41	7.533	7.534	-0.001	34	4462	19.0	
71 1,1,1-Trichloroethane	97	7.562	7.563	-0.001	88	65224	1.14	
72 Cyclohexane	56	7.639	7.634	0.005	96	91596	1.16	
73 1,1-Dichloropropene	75	7.668	7.663	0.005	92	58354	1.17	
74 Carbon tetrachloride	117	7.703	7.704	-0.001	68	58811	1.14	
75 1,2-Dichloroethane	62	7.827	7.828	-0.001	94	30610	1.20	
77 Benzene	78	7.850	7.851	-0.001	95	151507	1.18	
9 n-Heptane	43	7.915	7.916	-0.001	92	84165	1.15	
79 Trichloroethene	95	8.303	8.304	-0.001	90	42468	1.18	
80 2-Pentanone	43	8.338	8.339	-0.001	94	35042	4.63	
82 1,2-Dichloropropane	63	8.485	8.486	-0.001	64	34100	1.21	
83 Methylcyclohexane	55	8.485	8.486	-0.001	90	70829	1.15	
84 1,4-Dioxane	88	8.538	8.533	0.005	30	1104	22.1	
85 Dibromomethane	93	8.591	8.580	0.011	84	10211	1.13	
86 Dichlorobromomethane	83	8.649	8.650	-0.001	89	34528	1.12	
88 2-Chloroethyl vinyl ether	63	8.784	8.779	0.005	77	5378	1.13	
89 cis-1,3-Dichloropropene	75	8.961	8.962	-0.001	79	39599	1.19	
90 4-Methyl-2-pentanone (MIBK)	43	9.014	9.009	0.005	88	30851	3.70	
91 Toluene	91	9.231	9.232	-0.001	97	150923	1.16	
92 Ethyl methacrylate	69	9.307	9.308	-0.001	83	13196	1.05	
93 trans-1,3-Dichloropropene	75	9.331	9.332	-0.001	91	27591	1.09	
94 1,1,2-Trichloroethane	97	9.490	9.490	0.0	84	13700	1.14	
95 2-Hexanone	43	9.607	9.602	0.005	89	23007	4.00	
96 1,3-Dichloropropane	76	9.631	9.631	0.0	94	27563	1.17	
97 Tetrachloroethene	164	9.654	9.655	-0.001	89	33151	1.20	
98 Chlorodibromomethane	129	9.830	9.831	-0.001	82	16354	1.14	
100 Ethylene Dibromide	107	9.960	9.960	0.0	84	12271	1.12	
101 1-Chlorohexane	91	10.183	10.184	-0.001	93	53190	1.11	
102 Chlorobenzene	112	10.306	10.307	-0.001	87	84601	1.16	
104 Ethylbenzene	106	10.336	10.336	0.0	98	56343	1.18	
103 1,1,1,2-Tetrachloroethane	131	10.341	10.336	0.005	35	25476	1.14	
105 m-Xylene & p-Xylene	106	10.412	10.413	-0.001	99	64405	1.13	
109 o-Xylene	106	10.741	10.742	-0.001	90	57753	1.13	
106 Styrene	104	10.741	10.742	-0.001	81	70133	1.05	
107 Bromoform	173	10.953	10.953	-0.001	46	6756	1.06	
108 Isopropylbenzene	105	11.005	11.006	-0.001	96	174797	1.18	
111 Cyclohexanone	55	11.146	11.153	-0.007	81	9954	38.0	
112 1,1,2,2-Tetrachloroethane	83	11.217	11.218	-0.001	80	13612	1.01	
113 trans-1,4-Dichloro-2-butene	53	11.246	11.247	-0.001	63	3373	1.12	
114 1,2,3-Trichloropropane	110	11.293	11.294	-0.001	14	3784	1.14	
115 N-Propylbenzene	120	11.334	11.335	-0.001	97	46442	1.14	
116 Bromobenzene	156	11.340	11.341	-0.001	94	29667	1.18	
120 1,3,5-Trimethylbenzene	105	11.446	11.441	0.005	93	128797	1.11	
117 2-Chlorotoluene	126	11.464	11.465	-0.001	94	36431	1.17	
118 4-Chlorotoluene	126	11.540	11.547	-0.007	98	36278	1.18	
119 tert-Butylbenzene	119	11.757	11.758	-0.001	93	139679	1.17	
121 1,2,4-Trimethylbenzene	105	11.787	11.782	0.005	98	128492	1.14	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.940	11.940	0.0	95	39515	1.17	
123 4-Isopropyltoluene	119	12.034	12.035	0.0	95	161326	1.18	
124 1,3-Dichlorobenzene	146	12.116	12.117	-0.001	84	64921	1.20	
126 1,4-Dichlorobenzene	146	12.186	12.187	-0.001	82	62020	1.20	
127 n-Butylbenzene	91	12.415	12.416	-0.001	97	157287	1.17	
128 1,2-Dichlorobenzene	146	12.562	12.563	-0.001	91	50122	1.17	
129 1,2-Dibromo-3-Chloropropane	157	13.350	13.356	-0.006	16	1908	1.14	
130 1,2,4-Trichlorobenzene	180	14.354	14.349	0.005	89	35865	1.19	
131 Hexachlorobutadiene	225	14.501	14.502	-0.001	85	33982	1.21	
132 Naphthalene	128	14.742	14.743	-0.001	92	43681	1.14	
133 1,2,3-Trichlorobenzene	180	15.083	15.084	-0.001	86	28391	1.18	
S 140 1,2-Dichloroethene, Total (URS)	96				0		2.32	
S 137 Total BTEX	1				0		5.78	
S 138 Xylenes, Total	106				0		2.26	
S 139 Xylenes, Total (URS)	1				0		2.26	
S 134 Trihalomethanes, Total	1				0		4.50	
S 135 1,3-Dichloropropene, Total	1				0		2.28	
S 136 1,2-Dichloroethene, Total	1				0		2.32	

QC Flag Legend

Review Flags
M - Manually Integrated

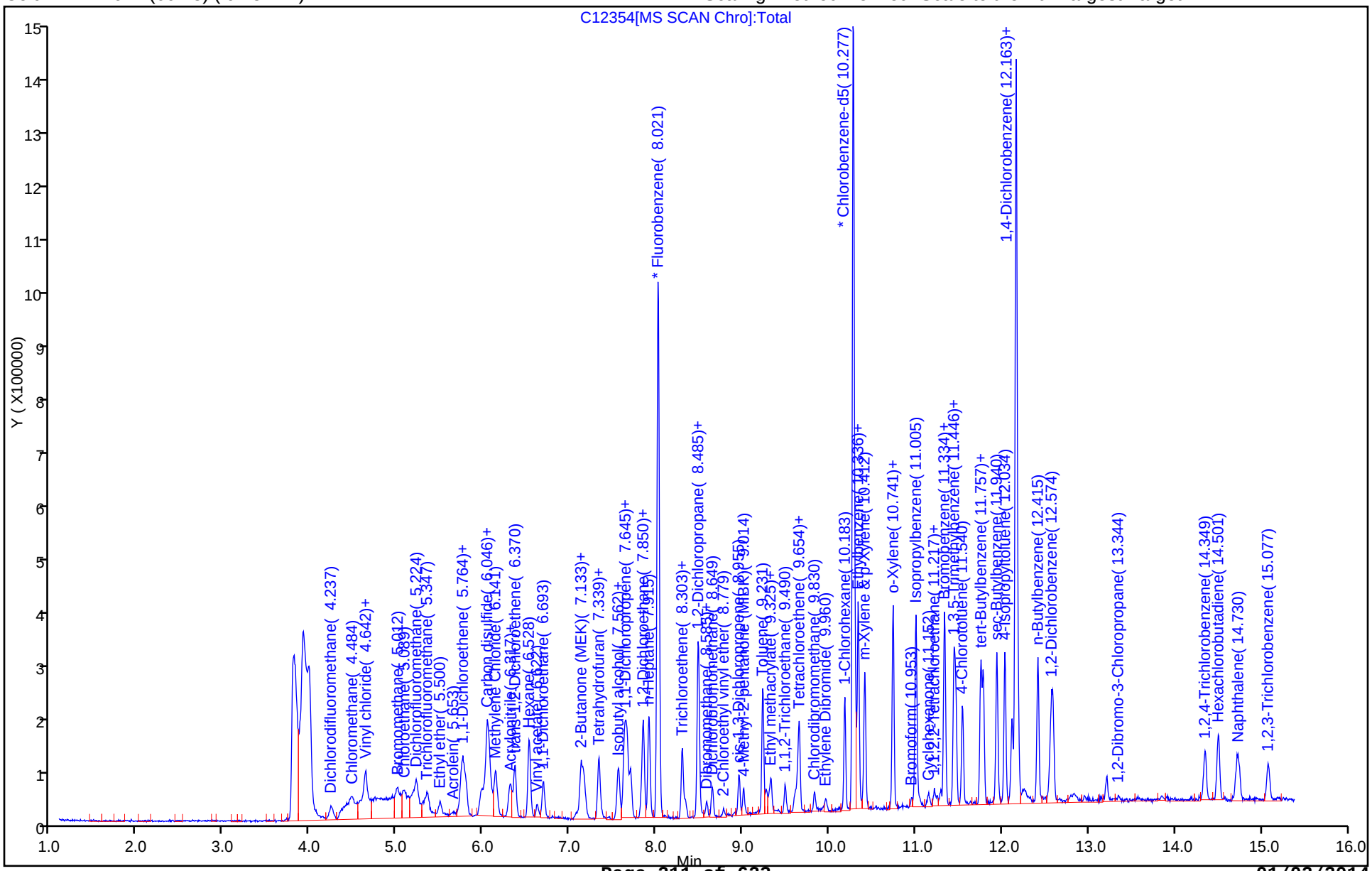
Report Date: 20-Dec-2013 21:20:21 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12354.D

Injection Date:	20-Dec-2013 00:57:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	16
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

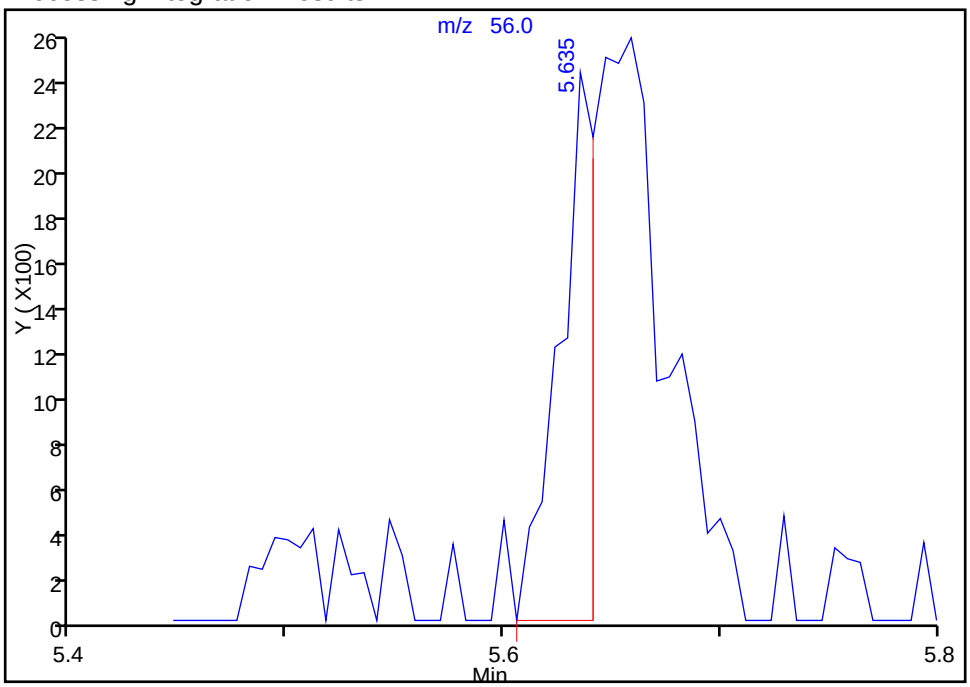
TestAmerica Denver

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Injection Date:	20-Dec-2013 00:57:30	Instrument ID:	VMS_C		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	25	Worklist Smp#:	16
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

39 Acrolein, CAS: 107-02-8

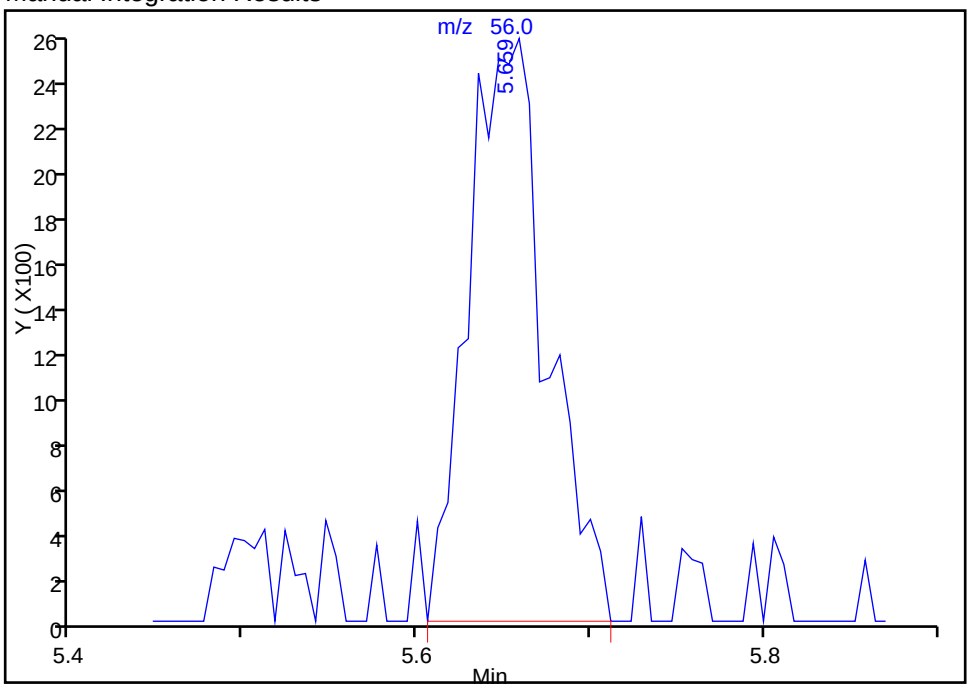
Processing Integration Results

RT: 5.64
Response: 2778
Amount: 4.413069



Manual Integration Results

RT: 5.66
Response: 8068
Amount: 10.395318



Reviewer: contrerase, 20-Dec-2013 17:27:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

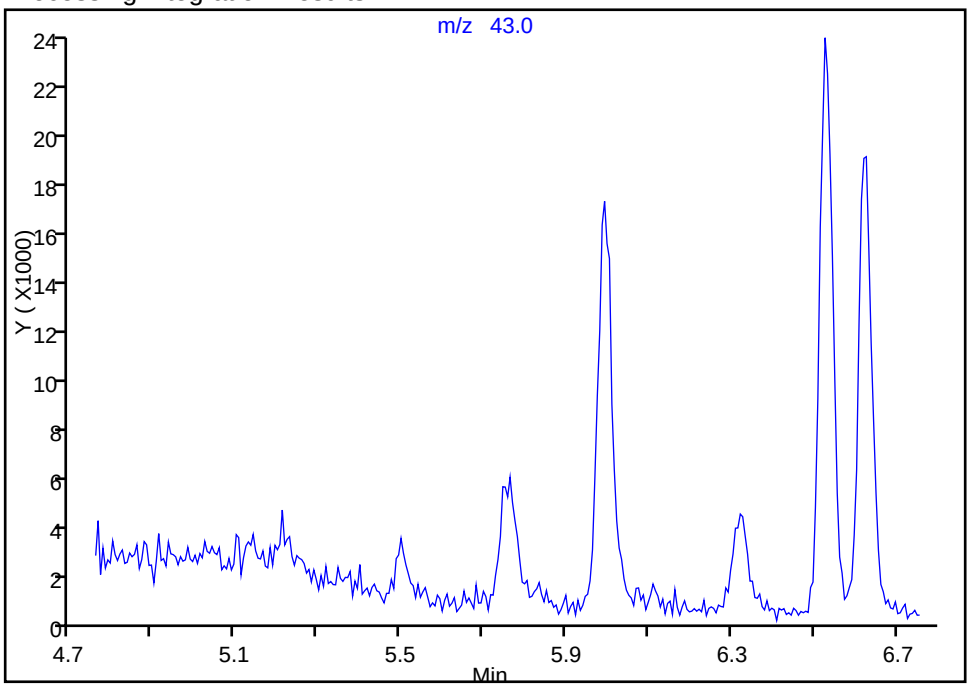
TestAmerica Denver

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Injection Date:	20-Dec-2013 00:57:30	Instrument ID:	VMS_C		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	25	Worklist Smp#:	16
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

40 Acetone, CAS: 67-64-1

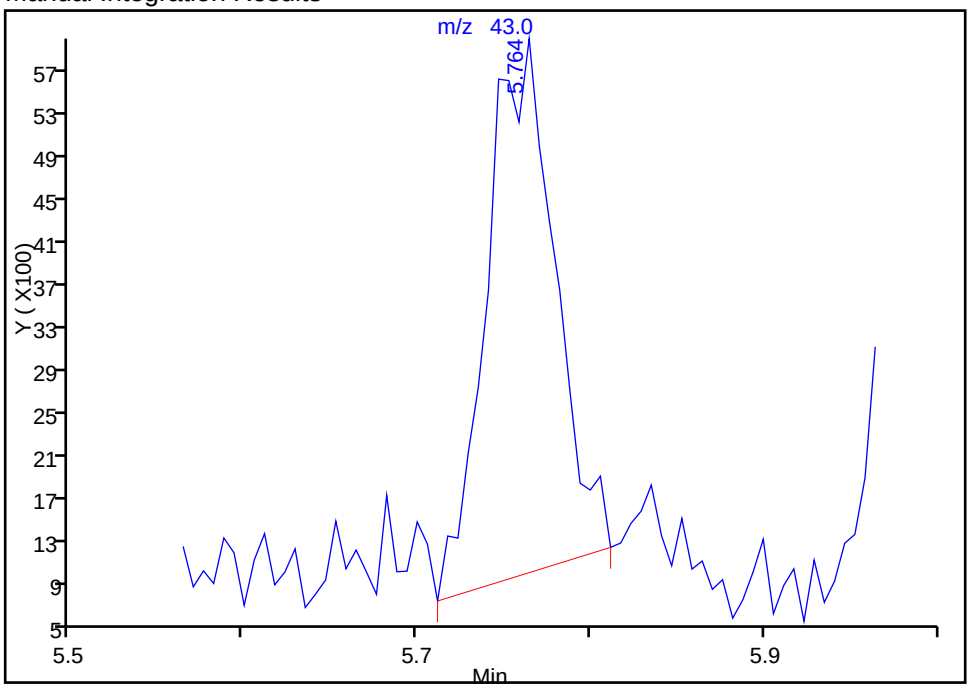
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.76
Response: 13571
Amount: 4.554796



Reviewer: contrerase, 20-Dec-2013 16:00:25
Audit Action: Manually Integrated
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

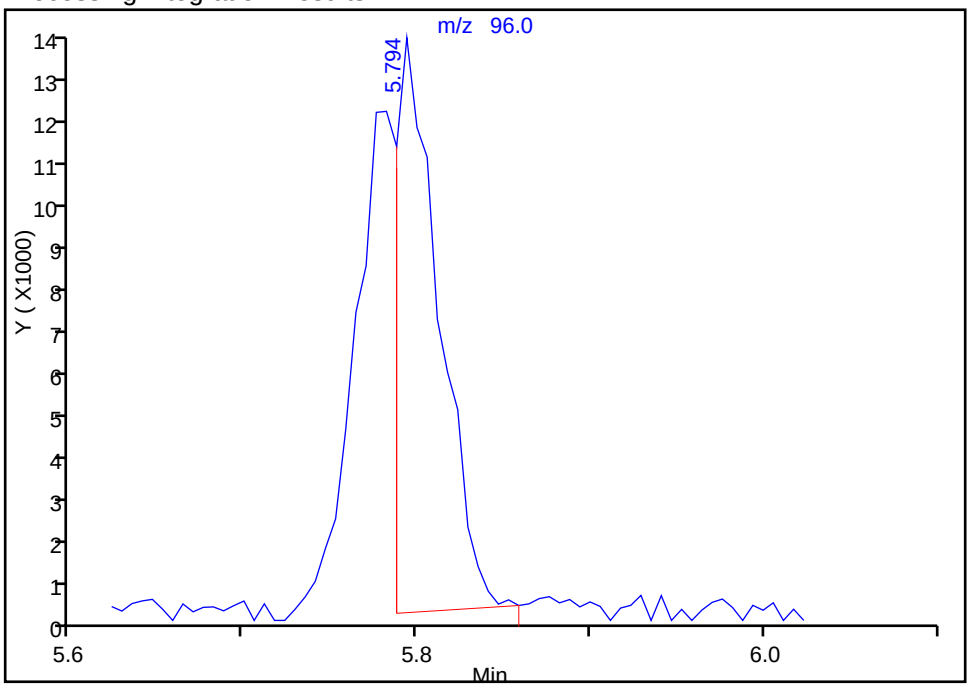
TestAmerica Denver

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Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	25	Worklist Smp#:	16
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

43 1,1-Dichloroethene, CAS: 75-35-4

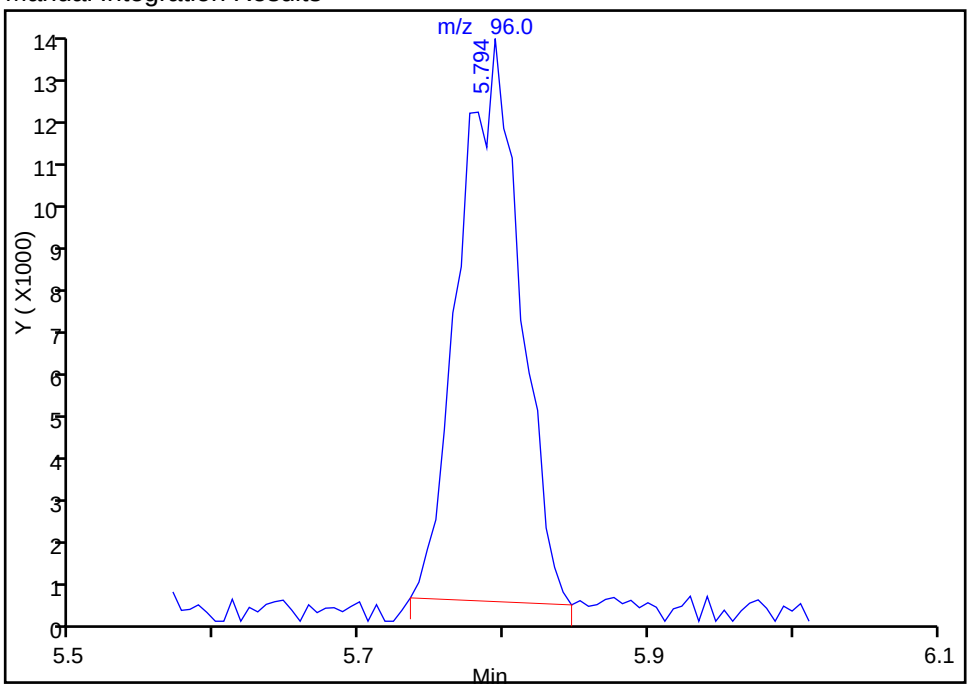
Processing Integration Results

RT: 5.79
Response: 23759
Amount: 0.726682



Manual Integration Results

RT: 5.79
Response: 38879
Amount: 1.081289



Reviewer: contrerase, 20-Dec-2013 16:00:25
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

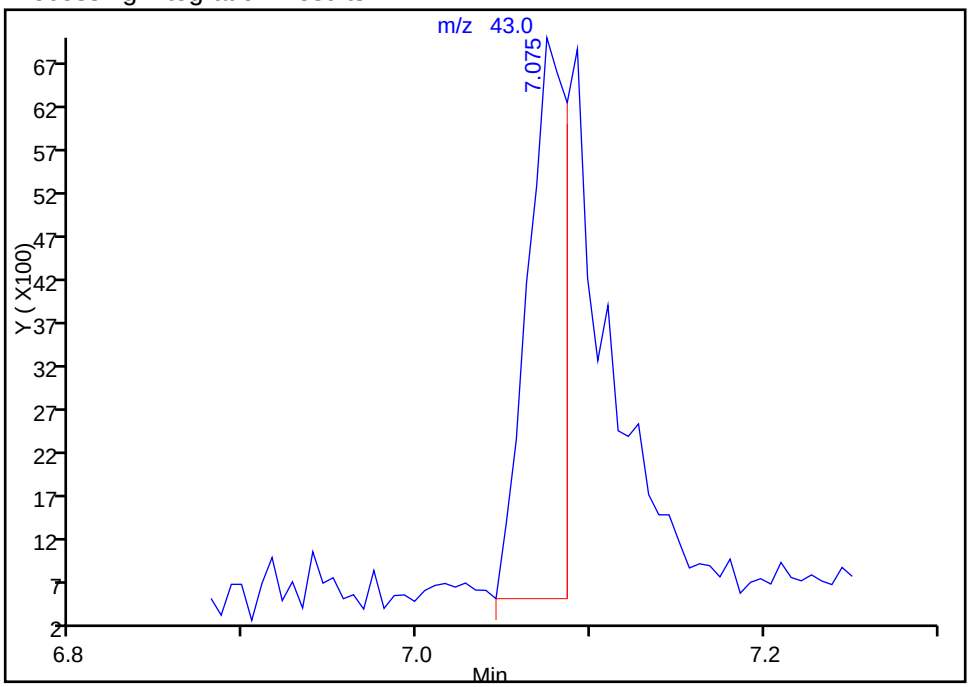
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_C\20131219-18488.b\C12354.D				
Injection Date:	20-Dec-2013 00:57:30	Instrument ID:	VMS_C		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	25	Worklist Smp#:	16
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

61 2-Butanone (MEK), CAS: 78-93-3

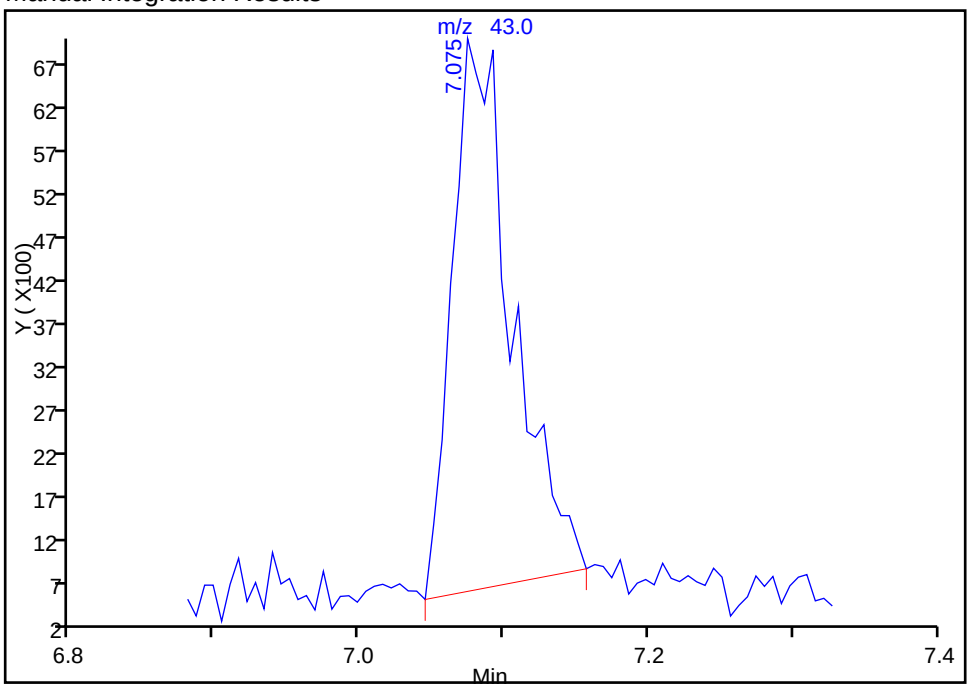
Processing Integration Results

RT: 7.07
Response: 10348
Amount: 2.444748



Manual Integration Results

RT: 7.07
Response: 18311
Amount: 4.011578



Reviewer: contrerase, 20-Dec-2013 16:26:31
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12355.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Dec-2013 01:17:30 ALS Bottle#: 26 Worklist Smp#: 17
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:20:22 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 19:32:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.028	6.030	-0.002	0	143346	250.0	
* 1 Fluorobenzene	96	8.020	8.022	-0.002	98	895822	12.5	
* 2 Chlorobenzene-d5	119	10.276	10.284	-0.008	88	243229	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.162	12.164	-0.002	96	384559	12.5	
24 Dichlorodifluoromethane	85	4.242	4.238	0.004	87	88326	2.06	
26 Chloromethane	50	4.477	4.479	-0.002	89	74919	2.21	
27 Vinyl chloride	62	4.630	4.631	-0.001	82	72155	2.14	
147 Butadiene	54	4.648	4.649	-0.001	97	60702	2.11	
29 Bromomethane	94	5.006	5.007	-0.001	89	51637	2.22	
31 Chloroethane	64	5.077	5.084	-0.007	95	40823	2.28	
32 Dichlorofluoromethane	67	5.235	5.231	0.004	79	150416	2.29	
33 Trichlorofluoromethane	101	5.347	5.348	-0.001	82	131069	2.15	
36 Ethyl ether	59	5.500	5.501	-0.001	91	28152	1.97	
39 Acrolein	56	5.658	5.654	0.004	90	16465	20.8	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.752	5.754	-0.002	86	65143	2.03	
40 Acetone	43	5.764	5.760	0.004	49	29543	9.72	
43 1,1-Dichloroethene	96	5.793	5.789	0.004	87	79136	2.16	
45 Iodomethane	142	5.970	5.965	0.005	98	108348	2.07	
46 Methyl acetate	43	5.993	5.995	-0.002	86	69536	10.2	
47 3-Chloro-1-propene	41	6.046	6.047	-0.001	81	139185	2.04	
48 Carbon disulfide	76	6.070	6.071	-0.001	99	315969	2.04	
49 2-Methyl-2-propanol	59	6.099	6.100	-0.001	85	18779	22.0	
50 Methylene Chloride	84	6.140	6.141	-0.001	90	76907	2.05	
51 Acrylonitrile	53	6.299	6.300	-0.001	100	65866	21.1	
52 Methyl tert-butyl ether	73	6.322	6.324	-0.002	92	87867	2.07	
53 trans-1,2-Dichloroethene	96	6.369	6.365	0.004	92	77716	2.13	
54 Hexane	57	6.528	6.529	-0.001	97	135565	2.01	
55 Vinyl acetate	43	6.622	6.623	-0.001	96	82923	4.20	
57 1,1-Dichloroethane	63	6.698	6.694	0.004	85	136963	2.09	
61 2-Butanone (MEK)	43	7.080	7.076	0.004	92	39771	8.54	
62 sec-Butyl Alcohol	45	7.121	7.117	0.004	42	35391	57.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.133	7.128	0.005	71	69261	2.10	
65 2,2-Dichloropropane	77	7.168	7.158	0.010	83	109852	2.04	
67 Chlorobromomethane	128	7.333	7.334	-0.001	58	20875	2.14	
68 Chloroform	83	7.345	7.340	0.005	80	112731	2.08	
69 Tetrahydrofuran	42	7.362	7.364	-0.002	80	10341	4.03	
70 Isobutyl alcohol	41	7.538	7.534	0.004	24	7311	45.6	
71 1,1,1-Trichloroethane	97	7.562	7.563	-0.001	91	117153	2.01	
72 Cyclohexane	56	7.638	7.634	0.004	95	165757	2.06	
73 1,1-Dichloropropene	75	7.662	7.663	-0.001	90	105026	2.06	
74 Carbon tetrachloride	117	7.703	7.704	-0.001	68	107331	2.04	
75 1,2-Dichloroethane	62	7.826	7.828	-0.002	86	53538	2.06	
77 Benzene	78	7.850	7.851	-0.001	96	272789	2.08	
9 n-Heptane	43	7.915	7.916	-0.002	94	150791	2.01	
79 Trichloroethene	95	8.302	8.304	-0.002	93	74548	2.04	
80 2-Pentanone	43	8.338	8.339	-0.001	98	61618	7.98	
82 1,2-Dichloropropane	63	8.479	8.486	-0.007	70	60534	2.10	
83 Methylcyclohexane	55	8.484	8.486	-0.002	90	129529	2.05	
84 1,4-Dioxane	88	8.537	8.533	0.004	16	2169	34.8	
85 Dibromomethane	93	8.578	8.580	-0.002	83	19252	2.09	
86 Dichlorobromomethane	83	8.649	8.650	-0.001	91	62632	1.99	
88 2-Chloroethyl vinyl ether	63	8.778	8.779	-0.001	79	8814	1.81	
89 cis-1,3-Dichloropropene	75	8.960	8.962	-0.002	85	66449	1.98	
90 4-Methyl-2-pentanone (MIBK)	43	9.013	9.009	0.004	95	68096	8.00	
91 Toluene	91	9.231	9.232	-0.001	97	270597	2.04	
92 Ethyl methacrylate	69	9.307	9.308	-0.001	86	24766	1.95	
93 trans-1,3-Dichloropropene	75	9.331	9.332	-0.002	92	54534	2.12	
94 1,1,2-Trichloroethane	97	9.489	9.490	-0.001	92	25440	2.07	
95 2-Hexanone	43	9.607	9.602	0.005	96	48135	8.28	
96 1,3-Dichloropropane	76	9.630	9.631	-0.001	94	47019	1.98	
97 Tetrachloroethene	164	9.654	9.655	-0.001	89	57451	2.05	
98 Chlorodibromomethane	129	9.830	9.831	-0.001	85	27970	1.94	
100 Ethylene Dibromide	107	9.965	9.960	0.005	86	23223	2.10	
101 1-Chlorohexane	91	10.182	10.184	-0.002	91	95772	1.98	
102 Chlorobenzene	112	10.306	10.307	-0.001	91	153513	2.08	
104 Ethylbenzene	106	10.335	10.336	-0.001	69	97807	2.02	
103 1,1,1,2-Tetrachloroethane	131	10.341	10.336	0.005	30	44158	1.96	
105 m-Xylene & p-Xylene	106	10.412	10.413	-0.001	99	115302	2.00	
109 o-Xylene	106	10.741	10.742	-0.001	91	103728	2.01	
106 Styrene	104	10.741	10.742	-0.001	80	127651	1.90	
107 Bromoform	173	10.958	10.953	0.005	75	12341	1.92	
108 Isopropylbenzene	105	11.005	11.006	-0.001	96	315356	2.03	
111 Cyclohexanone	55	11.152	11.153	-0.001	90	19975	75.5	
112 1,1,2,2-Tetrachloroethane	83	11.217	11.218	-0.001	82	23401	1.86	
113 trans-1,4-Dichloro-2-butene	53	11.252	11.247	0.005	60	6994	2.22	
114 1,2,3-Trichloropropane	110	11.293	11.294	-0.001	10	7056	2.04	
115 N-Propylbenzene	120	11.334	11.335	-0.001	97	86141	2.02	
116 Bromobenzene	156	11.340	11.341	-0.001	94	53487	2.03	
120 1,3,5-Trimethylbenzene	105	11.446	11.441	0.005	93	240856	1.99	
117 2-Chlorotoluene	126	11.463	11.465	-0.002	95	67693	2.07	
118 4-Chlorotoluene	126	11.546	11.547	-0.001	99	64305	2.00	
119 tert-Butylbenzene	119	11.757	11.758	-0.001	93	246006	1.96	
121 1,2,4-Trimethylbenzene	105	11.786	11.782	0.004	98	238283	2.01	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.939	11.940	-0.001	95	69465	1.96	
123 4-Isopropyltoluene	119	12.033	12.035	-0.001	96	276594	1.94	
124 1,3-Dichlorobenzene	146	12.115	12.117	-0.002	86	113797	2.01	
126 1,4-Dichlorobenzene	146	12.192	12.187	0.005	82	111133	2.06	
127 n-Butylbenzene	91	12.415	12.416	-0.001	98	270610	1.93	
128 1,2-Dichlorobenzene	146	12.568	12.563	0.005	89	93585	2.08	
129 1,2-Dibromo-3-Chloropropane	157	13.349	13.356	-0.007	49	3149	1.81	
130 1,2,4-Trichlorobenzene	180	14.348	14.349	-0.001	92	63074	1.99	
131 Hexachlorobutadiene	225	14.501	14.502	-0.001	92	54245	1.92	
132 Naphthalene	128	14.742	14.743	-0.001	95	79142	1.97	
133 1,2,3-Trichlorobenzene	180	15.083	15.084	-0.001	92	50537	2.01	
S 140 1,2-Dichloroethene, Total (URS)	96				0		4.23	
S 137 Total BTEX	1				0		10.2	
S 138 Xylenes, Total	106				0		4.01	
S 139 Xylenes, Total (URS)	1				0		4.01	
S 134 Trihalomethanes, Total	1				0		7.93	
S 135 1,3-Dichloropropene, Total	1				0		4.10	
S 136 1,2-Dichloroethene, Total	1				0		4.23	

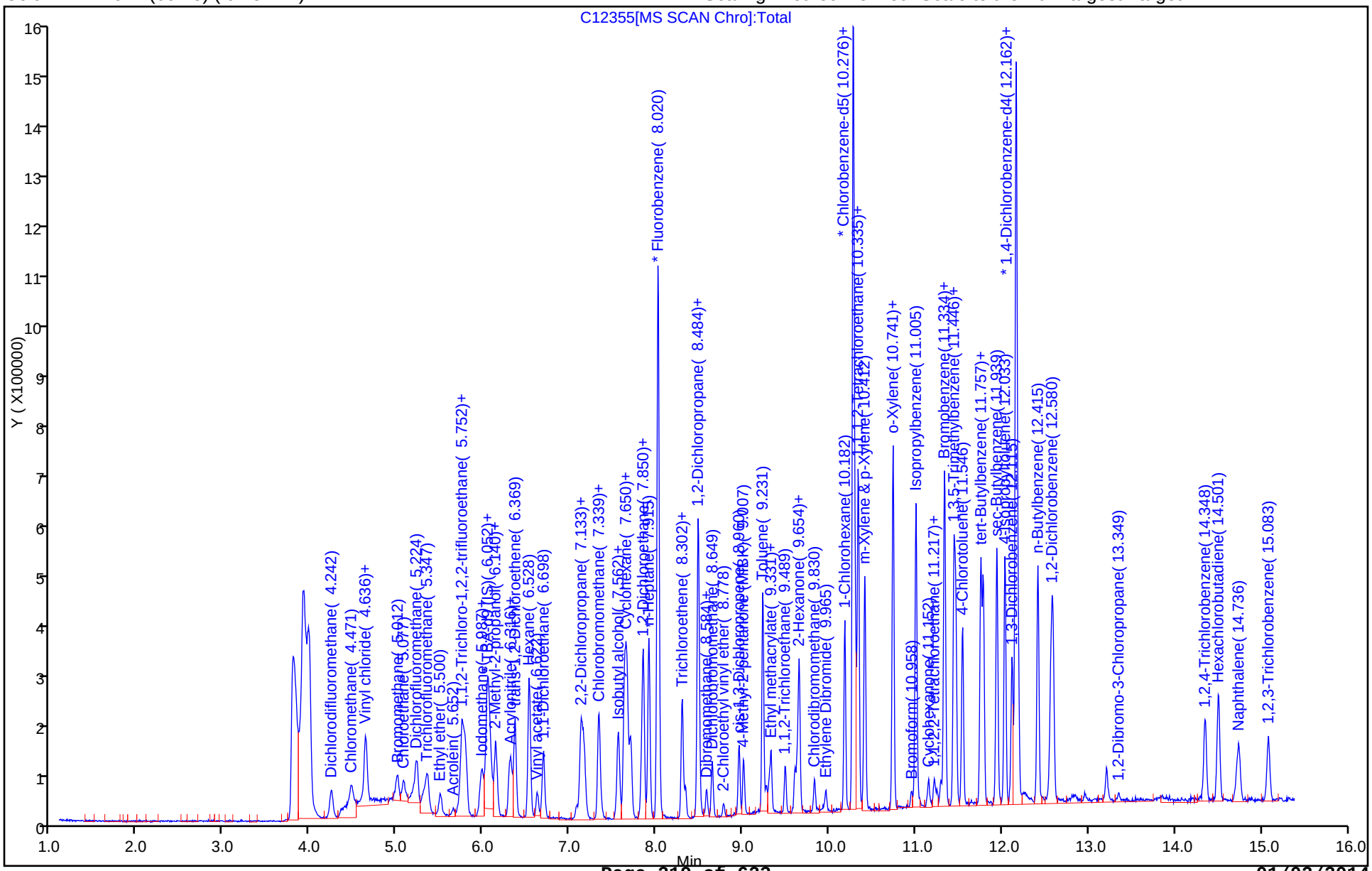
Report Date: 20-Dec-2013 21:20:22 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12355.D

Injection Date:	20-Dec-2013 01:17:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	17
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12356.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Dec-2013 01:36:30 ALS Bottle#: 27 Worklist Smp#: 18
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:20:23 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 18:02:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.043	6.030	0.013	0	158354	250.0	
* 1 Fluorobenzene	96	8.023	8.022	0.001	98	998878	12.5	
* 2 Chlorobenzene-d5	119	10.280	10.284	-0.004	83	266268	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.166	12.164	0.002	95	424701	12.5	
24 Dichlorodifluoromethane	85	4.246	4.238	0.008	88	202945	4.25	
26 Chloromethane	50	4.481	4.479	0.002	89	167491	4.43	
27 Vinyl chloride	62	4.633	4.631	0.002	83	162863	4.33	
147 Butadiene	54	4.651	4.649	0.002	95	134338	4.19	
29 Bromomethane	94	5.015	5.007	0.008	89	119081	4.60	
31 Chloroethane	64	5.086	5.084	0.002	94	91832	4.59	
32 Dichlorofluoromethane	67	5.233	5.231	0.002	79	333229	4.55	
33 Trichlorofluoromethane	101	5.356	5.348	0.008	87	297373	4.38	
36 Ethyl ether	59	5.503	5.501	0.002	93	71352	4.48	
39 Acrolein	56	5.650	5.654	-0.004	91	41127	46.6	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.750	5.754	-0.004	88	157590	4.40	
40 Acetone	43	5.761	5.760	0.001	77	60689	17.9	
43 1,1-Dichloroethene	96	5.797	5.789	0.008	87	180115	4.40	
45 Iodomethane	142	5.979	5.965	0.014	99	254105	4.36	
46 Methyl acetate	43	5.996	5.995	0.001	90	170372	22.3	
47 3-Chloro-1-propene	41	6.049	6.047	0.002	71	337582	4.44	
48 Carbon disulfide	76	6.073	6.071	0.002	99	778235	4.50	
49 2-Methyl-2-propanol	59	6.096	6.100	-0.004	77	40757	43.3	
50 Methylene Chloride	84	6.143	6.141	0.002	89	154099	4.43	
51 Acrylonitrile	53	6.302	6.300	0.002	99	150138	43.0	
52 Methyl tert-butyl ether	73	6.325	6.324	0.001	92	208258	4.39	
53 trans-1,2-Dichloroethene	96	6.367	6.365	0.002	93	182550	4.48	
54 Hexane	57	6.531	6.529	0.002	96	345058	4.68	
55 Vinyl acetate	43	6.625	6.623	0.002	96	185957	8.44	
57 1,1-Dichloroethane	63	6.696	6.694	0.002	85	326787	4.48	
61 2-Butanone (MEK)	43	7.078	7.076	0.002	87	94681	18.2	
62 sec-Butyl Alcohol	45	7.119	7.117	0.002	63	83333	122.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.130	7.128	0.002	71	163157	4.45	
65 2,2-Dichloropropane	77	7.166	7.158	0.008	91	266996	4.44	
67 Chlorobromomethane	128	7.330	7.334	-0.004	87	48926	4.49	
68 Chloroform	83	7.342	7.340	0.002	82	267710	4.44	
69 Tetrahydrofuran	42	7.371	7.364	0.007	87	25351	8.87	
70 Isobutyl alcohol	41	7.542	7.534	0.008	65	13218	93.9	
71 1,1,1-Trichloroethane	97	7.565	7.563	0.002	90	291405	4.48	
72 Cyclohexane	56	7.636	7.634	0.002	95	397758	4.43	
73 1,1-Dichloropropene	75	7.665	7.663	0.002	91	254479	4.48	
74 Carbon tetrachloride	117	7.706	7.704	0.002	71	259330	4.41	
75 1,2-Dichloroethane	62	7.830	7.828	0.002	89	127656	4.40	
77 Benzene	78	7.853	7.851	0.002	97	659435	4.51	
9 n-Heptane	43	7.918	7.916	0.002	94	378134	4.53	
79 Trichloroethene	95	8.300	8.304	-0.004	93	183399	4.50	
80 2-Pentanone	43	8.335	8.339	-0.004	98	152990	17.8	
82 1,2-Dichloropropane	63	8.482	8.486	-0.004	89	142614	4.43	
83 Methylcyclohexane	55	8.488	8.486	0.002	91	315922	4.49	
84 1,4-Dioxane	88	8.535	8.533	0.002	34	7407	89.0	
85 Dibromomethane	93	8.582	8.580	0.002	91	44845	4.36	
86 Dichlorobromomethane	83	8.646	8.650	-0.004	93	155141	4.43	
88 2-Chloroethyl vinyl ether	63	8.781	8.779	0.002	92	24110	4.44	
89 cis-1,3-Dichloropropene	75	8.958	8.962	-0.004	87	161683	4.40	
90 4-Methyl-2-pentanone (MIBK)	43	9.011	9.009	0.002	98	172353	18.1	
91 Toluene	91	9.234	9.232	0.002	96	661551	4.47	
92 Ethyl methacrylate	69	9.304	9.308	-0.004	85	58587	4.22	
93 trans-1,3-Dichloropropene	75	9.328	9.332	-0.004	93	121590	4.23	
94 1,1,2-Trichloroethane	97	9.492	9.490	0.002	88	59418	4.34	
95 2-Hexanone	43	9.604	9.602	0.002	97	113837	17.9	
96 1,3-Dichloropropane	76	9.633	9.631	0.002	95	117183	4.50	
97 Tetrachloroethene	164	9.651	9.655	-0.004	90	139729	4.56	
98 Chlorodibromomethane	129	9.827	9.831	-0.004	88	67625	4.28	
100 Ethylene Dibromide	107	9.962	9.960	0.002	97	53307	4.40	
101 1-Chlorohexane	91	10.180	10.184	-0.004	92	236821	4.48	
102 Chlorobenzene	112	10.303	10.307	-0.004	91	367114	4.55	
104 Ethylbenzene	106	10.338	10.336	0.002	86	236942	4.48	
103 1,1,1,2-Tetrachloroethane	131	10.338	10.336	0.002	35	109003	4.43	
105 m-Xylene & p-Xylene	106	10.415	10.413	0.002	99	289804	4.60	
109 o-Xylene	106	10.738	10.742	-0.004	90	256447	4.53	
106 Styrene	104	10.738	10.742	-0.004	82	325180	4.41	
107 Bromoform	173	10.955	10.953	0.002	76	30157	4.28	
108 Isopropylbenzene	105	11.002	11.006	-0.004	97	774049	4.51	
111 Cyclohexanone	55	11.149	11.153	-0.004	93	53821	185.7	
112 1,1,2,2-Tetrachloroethane	83	11.214	11.218	-0.004	86	56906	4.48	
113 trans-1,4-Dichloro-2-butene	53	11.249	11.247	0.002	73	14809	4.25	
114 1,2,3-Trichloropropane	110	11.296	11.294	0.002	71	17879	4.67	
115 N-Propylbenzene	120	11.331	11.335	-0.004	97	209205	4.44	
116 Bromobenzene	156	11.343	11.341	0.002	96	132251	4.55	
120 1,3,5-Trimethylbenzene	105	11.443	11.441	0.002	93	616721	4.61	
117 2-Chlorotoluene	126	11.467	11.465	0.001	95	164818	4.56	
118 4-Chlorotoluene	126	11.543	11.547	-0.004	99	157598	4.43	
119 tert-Butylbenzene	119	11.754	11.758	-0.004	93	617926	4.47	
121 1,2,4-Trimethylbenzene	105	11.784	11.782	0.002	99	598901	4.58	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.942	11.940	0.002	95	176927	4.53	
123 4-Isopropyltoluene	119	12.036	12.035	0.002	97	711332	4.51	
124 1,3-Dichlorobenzene	146	12.119	12.117	0.002	88	279482	4.46	
126 1,4-Dichlorobenzene	146	12.189	12.187	0.002	83	267277	4.48	
127 n-Butylbenzene	91	12.412	12.416	-0.004	98	698545	4.50	
128 1,2-Dichlorobenzene	146	12.565	12.563	0.002	92	220140	4.44	
129 1,2-Dibromo-3-Chloropropane	157	13.347	13.356	-0.009	61	8117	4.25	
130 1,2,4-Trichlorobenzene	180	14.351	14.349	0.002	92	153950	4.40	
131 Hexachlorobutadiene	225	14.504	14.502	0.002	94	129684	4.33	
132 Naphthalene	128	14.739	14.743	-0.004	97	190484	4.30	
133 1,2,3-Trichlorobenzene	180	15.080	15.084	-0.004	93	124199	4.48	
S 140 1,2-Dichloroethene, Total (URS)	96				0		8.93	
S 137 Total BTEX	1				0		22.6	
S 138 Xylenes, Total	106				0		9.13	
S 139 Xylenes, Total (URS)	1				0		9.13	
S 134 Trihalomethanes, Total	1				0		17.4	
S 135 1,3-Dichloropropene, Total	1				0		8.63	
S 136 1,2-Dichloroethene, Total	1				0		8.93	

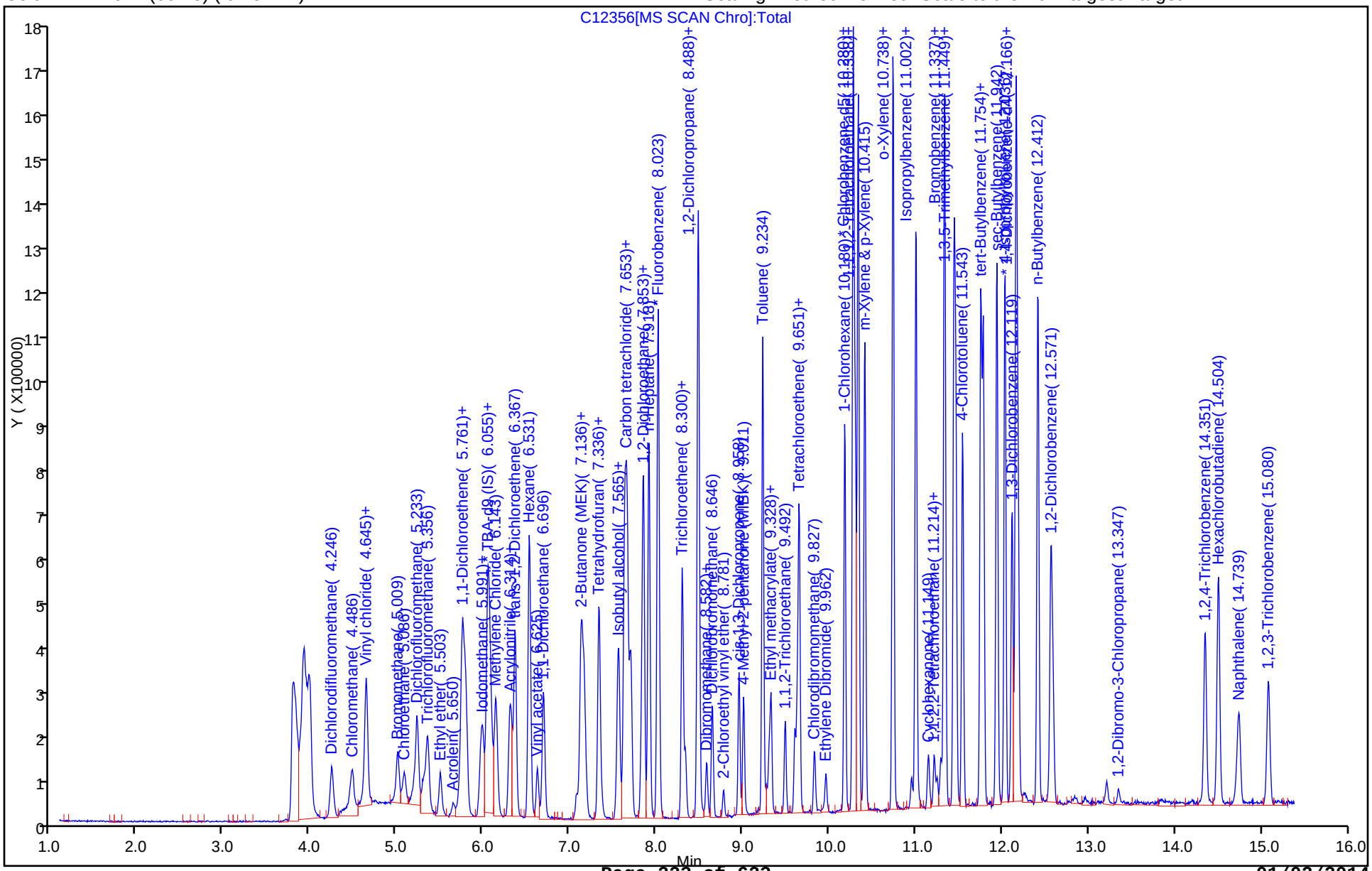
Report Date: 20-Dec-2013 21:20:24 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12356.D

Injection Date:	20-Dec-2013 01:36:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	18
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12357.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Dec-2013 01:56:30 ALS Bottle#: 28 Worklist Smp#: 19
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:20:24 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 21:15:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.030	6.030	0.0	0	122141	250.0	
* 1 Fluorobenzene	96	8.022	8.022	0.0	98	786022	12.5	
* 2 Chlorobenzene-d5	119	10.284	10.284	0.0	80	221874	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.164	12.164	0.0	85	351022	12.5	
24 Dichlorodifluoromethane	85	4.238	4.238	0.0	88	420973	11.2	
26 Chloromethane	50	4.479	4.479	0.0	89	320625	10.8	
27 Vinyl chloride	62	4.631	4.631	0.0	82	328700	11.1	
147 Butadiene	54	4.649	4.649	0.0	97	285463	11.3	
29 Bromomethane	94	5.007	5.007	0.0	92	218553	10.7	
31 Chloroethane	64	5.084	5.084	0.0	95	184425	11.7	
32 Dichlorofluoromethane	67	5.231	5.231	0.0	79	636727	11.0	
33 Trichlorofluoromethane	101	5.348	5.348	0.0	87	589971	11.1	
36 Ethyl ether	59	5.501	5.501	0.0	97	136668	10.9	
39 Acrolein	56	5.654	5.654	0.0	88	77159	111.0	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.754	5.754	0.0	87	285721	10.1	
40 Acetone	43	5.760	5.760	0.0	48	108516	40.7	
43 1,1-Dichloroethene	96	5.789	5.789	0.0	88	336462	10.4	
45 Iodomethane	142	5.965	5.965	0.0	99	472785	10.3	
46 Methyl acetate	43	5.995	5.995	0.0	91	321355	53.6	
47 3-Chloro-1-propene	41	6.047	6.047	0.0	80	635158	10.6	
48 Carbon disulfide	76	6.071	6.071	0.0	99	1418123	10.4	
49 2-Methyl-2-propanol	59	6.100	6.100	0.0	78	74516	102.6	
50 Methylene Chloride	84	6.141	6.141	0.0	89	283164	11.6	
51 Acrylonitrile	53	6.300	6.300	0.0	98	289892	105.6	
52 Methyl tert-butyl ether	73	6.324	6.324	0.0	92	401571	10.8	
53 trans-1,2-Dichloroethene	96	6.365	6.365	0.0	93	329788	10.3	
54 Hexane	57	6.529	6.529	0.0	95	621292	10.1	
55 Vinyl acetate	43	6.623	6.623	0.0	96	413121	23.8	
57 1,1-Dichloroethane	63	6.694	6.694	0.0	85	596184	10.4	
61 2-Butanone (MEK)	43	7.076	7.076	0.0	94	181674	44.4	
62 sec-Butyl Alcohol	45	7.117	7.117	0.0	73	160894	307.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.128	7.128	0.0	69	299057	10.4	
65 2,2-Dichloropropane	77	7.158	7.158	0.0	92	491894	10.4	
67 Chlorobromomethane	128	7.334	7.334	0.0	92	91664	10.7	
68 Chloroform	83	7.340	7.340	0.0	83	495217	10.4	
69 Tetrahydrofuran	42	7.364	7.364	0.0	81	48165	21.4	
70 Isobutyl alcohol	41	7.534	7.534	0.0	77	22714	246.6	
71 1,1,1-Trichloroethane	97	7.563	7.563	0.0	91	530305	10.4	
72 Cyclohexane	56	7.634	7.634	0.0	96	727485	10.3	
73 1,1-Dichloropropene	75	7.663	7.663	0.0	91	463021	10.4	
74 Carbon tetrachloride	117	7.704	7.704	0.0	76	478193	10.3	
75 1,2-Dichloroethane	62	7.828	7.828	0.0	89	245469	10.7	
77 Benzene	78	7.851	7.851	0.0	98	1204495	10.5	
9 n-Heptane	43	7.916	7.916	0.0	94	691998	10.5	
79 Trichloroethene	95	8.304	8.304	0.0	93	322262	10.0	
80 2-Pentanone	43	8.339	8.339	0.0	98	281686	41.6	
82 1,2-Dichloropropane	63	8.486	8.486	0.0	88	262146	10.4	
83 Methylcyclohexane	55	8.486	8.486	0.0	91	573033	10.4	
84 1,4-Dioxane	88	8.533	8.533	0.0	46	15292	219.7	
85 Dibromomethane	93	8.580	8.580	0.0	86	86170	10.6	
86 Dichlorobromomethane	83	8.650	8.650	0.0	92	295138	10.7	
88 2-Chloroethyl vinyl ether	63	8.779	8.779	0.0	90	44767	10.5	
89 cis-1,3-Dichloropropene	75	8.962	8.962	0.0	87	321364	10.5	
90 4-Methyl-2-pentanone (MIBK)	43	9.009	9.009	0.0	98	345104	46.2	
91 Toluene	91	9.232	9.232	0.0	97	1266640	10.9	
92 Ethyl methacrylate	69	9.308	9.308	0.0	91	124304	10.7	
93 trans-1,3-Dichloropropene	75	9.332	9.332	0.0	94	245982	10.9	
94 1,1,2-Trichloroethane	97	9.490	9.490	0.0	88	120378	11.2	
95 2-Hexanone	43	9.602	9.602	0.0	94	231875	43.7	
96 1,3-Dichloropropane	76	9.631	9.631	0.0	96	236041	10.9	
97 Tetrachloroethene	164	9.655	9.655	0.0	91	258301	10.1	
98 Chlorodibromomethane	129	9.831	9.831	0.0	88	140990	10.7	
100 Ethylene Dibromide	107	9.960	9.960	0.0	98	107809	10.7	
101 1-Chlorohexane	91	10.184	10.184	0.0	93	465530	10.6	
102 Chlorobenzene	112	10.307	10.307	0.0	93	708653	10.5	
104 Ethylbenzene	106	10.336	10.336	0.0	92	459368	10.4	
103 1,1,1,2-Tetrachloroethane	131	10.336	10.336	0.0	33	217993	10.6	
105 m-Xylene & p-Xylene	106	10.413	10.413	0.0	100	554853	10.6	
109 o-Xylene	106	10.742	10.742	0.0	90	504254	10.7	
106 Styrene	104	10.742	10.742	0.0	83	668925	10.9	
107 Bromoform	173	10.953	10.953	0.0	88	63018	10.7	
108 Isopropylbenzene	105	11.006	11.006	0.0	96	1488631	10.5	
111 Cyclohexanone	55	11.153	11.153	0.0	94	106221	439.9	
112 1,1,2,2-Tetrachloroethane	83	11.218	11.218	0.0	86	117332	11.6	
113 trans-1,4-Dichloro-2-butene	53	11.247	11.247	0.0	81	29061	10.1	
114 1,2,3-Trichloropropane	110	11.294	11.294	0.0	80	33654	10.6	
115 N-Propylbenzene	120	11.335	11.335	0.0	98	407260	10.5	
116 Bromobenzene	156	11.341	11.341	0.0	95	258807	10.8	
120 1,3,5-Trimethylbenzene	105	11.441	11.441	0.0	94	1179217	10.7	
117 2-Chlorotoluene	126	11.465	11.465	0.0	94	311936	10.4	
118 4-Chlorotoluene	126	11.547	11.547	0.0	99	313572	10.7	
119 tert-Butylbenzene	119	11.758	11.758	0.0	92	1198559	10.5	
121 1,2,4-Trimethylbenzene	105	11.782	11.782	0.0	98	1159364	10.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.940	11.940	0.0	95	333242	10.3	
123 4-Isopropyltoluene	119	12.035	12.035	0.0	97	1372768	10.5	
124 1,3-Dichlorobenzene	146	12.117	12.117	0.0	89	537061	10.4	
126 1,4-Dichlorobenzene	146	12.187	12.187	0.0	93	511786	10.4	
127 n-Butylbenzene	91	12.416	12.416	0.0	98	1348194	10.5	
128 1,2-Dichlorobenzene	146	12.563	12.563	0.0	94	427847	10.4	
129 1,2-Dibromo-3-Chloropropane	157	13.356	13.356	0.0	66	17105	10.9	
130 1,2,4-Trichlorobenzene	180	14.349	14.349	0.0	93	301472	10.4	
131 Hexachlorobutadiene	225	14.502	14.502	0.0	94	246596	10.2	
132 Naphthalene	128	14.743	14.743	0.0	97	394524	10.8	
133 1,2,3-Trichlorobenzene	180	15.084	15.084	0.0	94	238305	10.4	
S 140 1,2-Dichloroethene, Total (URS)	96				0		20.6	
S 137 Total BTEX	1				0		53.0	
S 138 Xylenes, Total	106				0		21.3	
S 139 Xylenes, Total (URS)	1				0		21.3	
S 134 Trihalomethanes, Total	1				0		42.6	
S 135 1,3-Dichloropropene, Total	1				0		21.4	
S 136 1,2-Dichloroethene, Total	1				0		20.6	

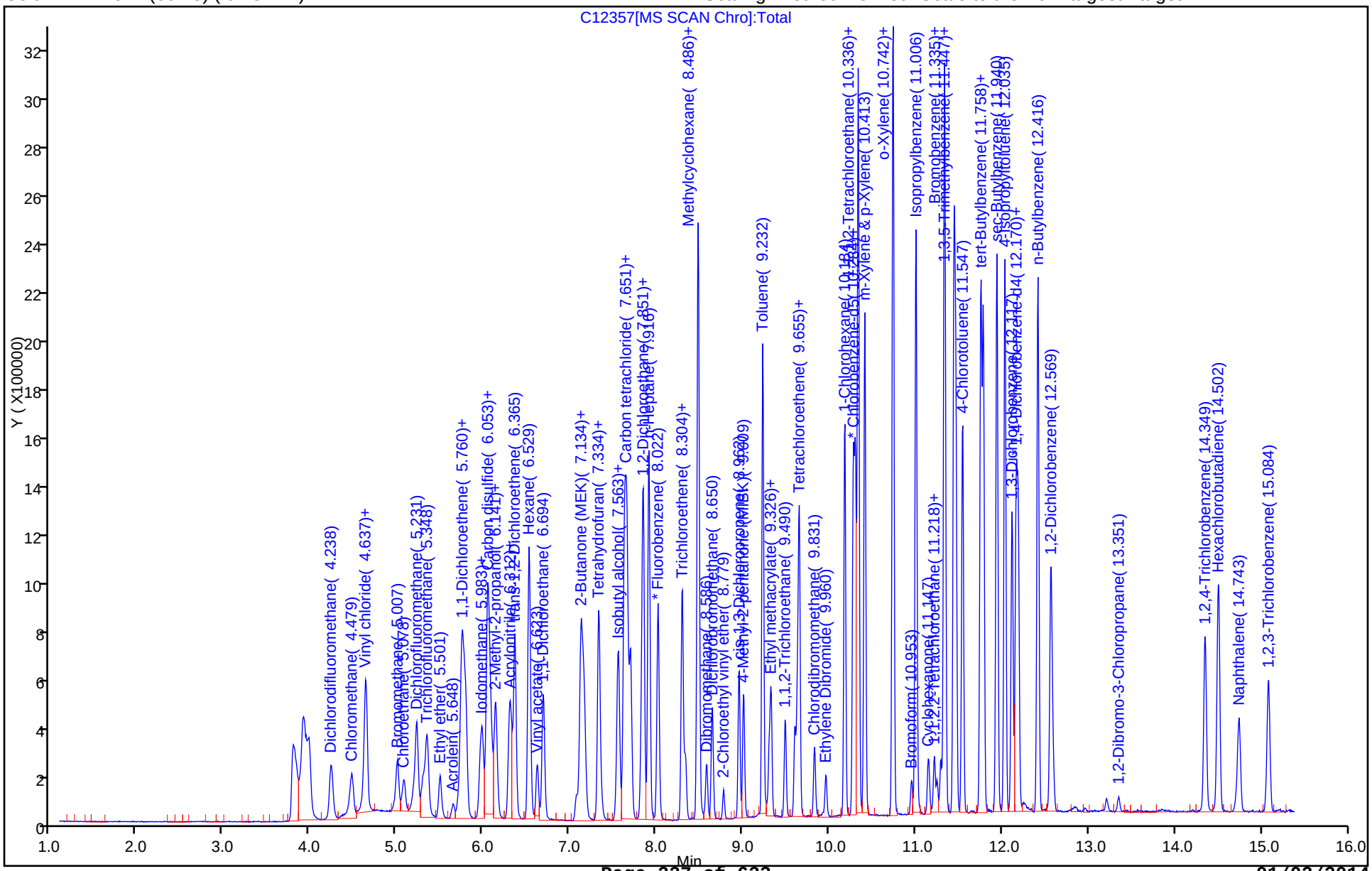
Report Date: 20-Dec-2013 21:20:25 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12357.D

Injection Date:	20-Dec-2013 01:56:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	19
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12358.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 20-Dec-2013 02:16:30 ALS Bottle#: 29 Worklist Smp#: 20
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:20:26 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 21:16:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.030	0.011	0	134983	250.0	
* 1 Fluorobenzene	96	8.021	8.022	-0.001	98	878804	12.5	
* 2 Chlorobenzene-d5	119	10.277	10.284	-0.007	54	238332	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.163	12.164	-0.001	93	383308	12.5	
24 Dichlorodifluoromethane	85	4.243	4.238	0.005	89	1328284	31.6	
26 Chloromethane	50	4.484	4.479	0.005	89	969216	29.1	
27 Vinyl chloride	62	4.631	4.631	0.0	82	1007232	30.5	
147 Butadiene	54	4.648	4.649	-0.001	98	881172	31.3	
29 Bromomethane	94	5.007	5.007	0.0	91	640373	28.1	
31 Chloroethane	64	5.083	5.084	-0.001	95	549665	31.2	
32 Dichlorofluoromethane	67	5.230	5.231	-0.001	80	1902996	29.5	
33 Trichlorofluoromethane	101	5.348	5.348	0.0	87	1829577	30.7	
36 Ethyl ether	59	5.500	5.501	-0.001	95	405600	29.0	
39 Acrolein	56	5.653	5.654	-0.001	95	222180	285.9	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.753	5.754	-0.001	89	866753	27.5	
40 Acetone	43	5.759	5.760	-0.001	97	330881	110.9	
43 1,1-Dichloroethene	96	5.788	5.789	-0.001	87	1004844	27.9	
45 Iodomethane	142	5.970	5.965	0.005	99	1418156	27.7	
46 Methyl acetate	43	5.994	5.995	-0.001	96	956205	142.5	
47 3-Chloro-1-propene	41	6.047	6.047	0.0	80	1896696	28.4	
48 Carbon disulfide	76	6.070	6.071	-0.001	100	4196902	27.6	
49 2-Methyl-2-propanol	59	6.106	6.100	0.006	55	231431	288.3	
50 Methylene Chloride	84	6.141	6.141	0.0	89	790760	30.4	
51 Acrylonitrile	53	6.299	6.300	-0.001	99	890283	290.1	
52 Methyl tert-butyl ether	73	6.323	6.324	-0.001	91	1215888	29.2	
53 trans-1,2-Dichloroethene	96	6.364	6.365	-0.001	93	988567	27.6	
54 Hexane	57	6.529	6.529	0.0	96	1850335	28.0	
55 Vinyl acetate	43	6.623	6.623	0.0	97	1110892	57.3	
57 1,1-Dichloroethane	63	6.693	6.694	-0.001	85	1769579	27.6	
61 2-Butanone (MEK)	43	7.075	7.076	-0.001	99	544517	119.2	
62 sec-Butyl Alcohol	45	7.116	7.117	-0.001	79	553813	957.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.128	7.128	0.0	70	907448	28.1	
65 2,2-Dichloropropane	77	7.163	7.158	0.005	92	1470879	27.8	
67 Chlorobromomethane	128	7.334	7.334	0.0	92	272691	28.5	
68 Chloroform	83	7.339	7.340	-0.001	82	1485147	28.0	
69 Tetrahydrofuran	42	7.369	7.364	0.005	91	141876	56.4	
70 Isobutyl alcohol	41	7.533	7.534	-0.001	91	78260	833.1	
71 1,1,1-Trichloroethane	97	7.563	7.563	0.0	91	1618053	28.3	
72 Cyclohexane	56	7.639	7.634	0.005	94	2188218	27.7	
73 1,1-Dichloropropene	75	7.663	7.663	0.0	89	1372781	27.5	
74 Carbon tetrachloride	117	7.704	7.704	0.0	63	1454405	28.1	
75 1,2-Dichloroethane	62	7.827	7.828	-0.001	89	721101	28.2	
77 Benzene	78	7.851	7.851	0.0	98	3538203	27.5	
9 n-Heptane	43	7.915	7.916	-0.001	94	2030782	27.7	
79 Trichloroethene	95	8.303	8.304	-0.001	93	1005451	28.0	
80 2-Pentanone	43	8.338	8.339	-0.001	98	889510	117.4	
82 1,2-Dichloropropane	63	8.485	8.486	-0.001	91	790236	27.9	
83 Methylcyclohexane	55	8.485	8.486	-0.001	94	1713205	27.7	
84 1,4-Dioxane	88	8.538	8.533	0.005	49	51825	648.8	
85 Dibromomethane	93	8.585	8.580	0.005	83	265774	29.4	
86 Dichlorobromomethane	83	8.650	8.650	0.0	93	898027	29.1	
88 2-Chloroethyl vinyl ether	63	8.779	8.779	0.0	89	140853	29.5	
89 cis-1,3-Dichloropropene	75	8.955	8.962	-0.007	87	946140	28.8	
90 4-Methyl-2-pentanone (MIBK)	43	9.008	9.009	-0.001	98	1019845	122.1	
91 Toluene	91	9.231	9.232	-0.001	98	3528641	27.1	
92 Ethyl methacrylate	69	9.308	9.308	0.0	91	382102	30.7	
93 trans-1,3-Dichloropropene	75	9.325	9.332	-0.007	94	727970	28.8	
94 1,1,2-Trichloroethane	97	9.490	9.490	0.0	88	334577	27.7	
95 2-Hexanone	43	9.602	9.602	0.0	99	688760	120.9	
96 1,3-Dichloropropane	76	9.631	9.631	0.0	95	667566	28.6	
97 Tetrachloroethene	164	9.654	9.655	-0.001	90	735045	26.8	
98 Chlorodibromomethane	129	9.831	9.831	0.0	89	417344	29.5	
100 Ethylene Dibromide	107	9.960	9.960	0.0	99	309556	28.6	
101 1-Chlorohexane	91	10.183	10.184	-0.001	94	1285300	27.2	
102 Chlorobenzene	112	10.301	10.307	-0.006	92	1962507	27.2	
104 Ethylbenzene	106	10.336	10.336	0.0	97	1274523	26.9	
103 1,1,1,2-Tetrachloroethane	131	10.336	10.336	0.0	33	636473	28.9	
105 m-Xylene & p-Xylene	106	10.412	10.413	-0.001	100	1545018	27.4	
109 o-Xylene	106	10.741	10.742	-0.001	89	1410149	27.8	
106 Styrene	104	10.741	10.742	-0.001	84	1941094	29.4	
107 Bromoform	173	10.953	10.953	0.0	95	195425	31.0	
108 Isopropylbenzene	105	11.006	11.006	0.0	97	4142541	26.8	
111 Cyclohexanone	55	11.147	11.153	-0.006	95	326488	1258.8	
112 1,1,2,2-Tetrachloroethane	83	11.217	11.218	-0.001	86	333282	30.7	
113 trans-1,4-Dichloro-2-butene	53	11.253	11.247	0.005	80	92524	29.4	
114 1,2,3-Trichloropropane	110	11.294	11.294	0.0	79	97554	28.2	
115 N-Propylbenzene	120	11.335	11.335	0.0	97	1153778	27.1	
116 Bromobenzene	156	11.341	11.341	0.0	95	697739	26.6	
120 1,3,5-Trimethylbenzene	105	11.446	11.441	0.005	94	3299813	27.3	
117 2-Chlorotoluene	126	11.464	11.465	-0.001	95	866860	26.6	
118 4-Chlorotoluene	126	11.546	11.547	-0.001	99	853887	26.6	
119 tert-Butylbenzene	119	11.758	11.758	0.0	88	3388806	27.1	
121 1,2,4-Trimethylbenzene	105	11.781	11.782	-0.001	98	3168537	26.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.940	11.940	0.0	95	938237	26.6	
123 4-Isopropyltoluene	119	12.034	12.035	0.0	96	3806160	26.7	
124 1,3-Dichlorobenzene	146	12.116	12.117	-0.001	96	1514065	26.8	
126 1,4-Dichlorobenzene	146	12.187	12.187	0.0	92	1427430	26.5	
127 n-Butylbenzene	91	12.416	12.416	0.0	98	3755019	26.8	
128 1,2-Dichlorobenzene	146	12.563	12.563	0.0	95	1211480	27.1	
129 1,2-Dibromo-3-Chloropropane	157	13.350	13.356	-0.006	74	53357	31.1	
130 1,2,4-Trichlorobenzene	180	14.349	14.349	0.0	93	863166	27.3	
131 Hexachlorobutadiene	225	14.502	14.502	0.0	96	703919	26.8	
132 Naphthalene	128	14.743	14.743	0.0	98	1173648	29.3	
133 1,2,3-Trichlorobenzene	180	15.083	15.084	-0.001	93	691340	27.6	
S 140 1,2-Dichloroethene, Total (URS)	96				0		55.7	
S 137 Total BTEX	1				0		136.7	
S 138 Xylenes, Total	106				0		55.2	
S 139 Xylenes, Total (URS)	1				0		55.2	
S 134 Trihalomethanes, Total	1				0		117.6	
S 135 1,3-Dichloropropene, Total	1				0		57.6	
S 136 1,2-Dichloroethene, Total	1				0		55.7	

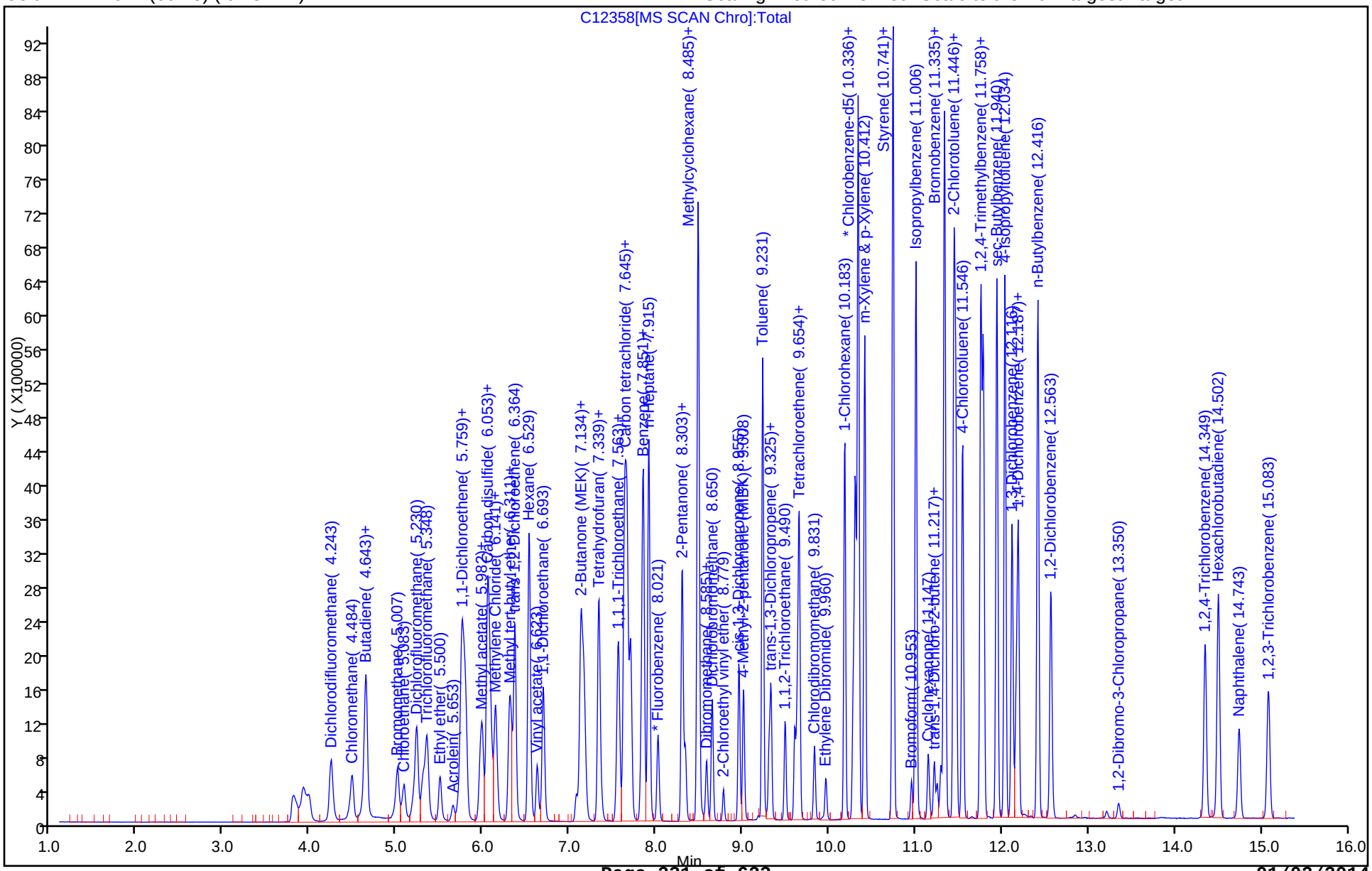
Report Date: 20-Dec-2013 21:20:26 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12358.D

Injection Date:	20-Dec-2013 02:16:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	20
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Dec-2013 02:36:30 ALS Bottle#: 30 Worklist Smp#: 21
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: contrerase Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:20:27 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 16:00:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.038	6.030	0.008	0	148511	250.0	a
* 1 Fluorobenzene	96	8.024	8.022	0.002	98	963099	12.5	
* 2 Chlorobenzene-d5	119	10.280	10.284	-0.004	49	269979	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.166	12.164	0.002	90	429792	12.5	
24 Dichlorodifluoromethane	85	4.246	4.238	0.008	89	2716841	59.1	
26 Chloromethane	50	4.493	4.479	0.014	89	2008858	55.0	
27 Vinyl chloride	62	4.634	4.631	0.003	82	2083305	57.5	
147 Butadiene	54	4.651	4.649	0.002	95	1834112	59.4	
29 Bromomethane	94	5.016	5.007	0.009	88	1313006	52.6	
31 Chloroethane	64	5.086	5.084	0.002	95	1120676	58.1	
32 Dichlorofluoromethane	67	5.233	5.231	0.002	79	3897835	55.2	
33 Trichlorofluoromethane	101	5.351	5.348	0.003	88	3884684	59.4	
36 Ethyl ether	59	5.503	5.501	0.002	94	824301	53.7	
39 Acrolein	56	5.656	5.654	0.002	95	473415	555.9	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.756	5.754	0.002	88	1986679	57.5	
40 Acetone	43	5.762	5.760	0.002	97	636155	194.6	
43 1,1-Dichloroethene	96	5.791	5.789	0.002	88	2330860	59.1	
45 Iodomethane	142	5.973	5.965	0.008	99	3131321	55.8	
46 Methyl acetate	43	5.997	5.995	0.002	97	1928558	262.3	
47 3-Chloro-1-propene	41	6.050	6.047	0.003	77	4087365	55.8	
48 Carbon disulfide	76	6.073	6.071	0.002	99	9491235	56.9	
49 2-Methyl-2-propanol	59	6.108	6.100	0.008	54	485267	549.4	
50 Methylene Chloride	84	6.144	6.141	0.003	88	1645818	58.6	
51 Acrylonitrile	53	6.302	6.300	0.002	99	1808279	537.7	
52 Methyl tert-butyl ether	73	6.326	6.324	0.002	91	2518379	55.1	
53 trans-1,2-Dichloroethene	96	6.367	6.365	0.002	94	2207674	56.2	
54 Hexane	57	6.532	6.529	0.003	95	4217814	56.4	
55 Vinyl acetate	43	6.626	6.623	0.003	96	2220704	104.5	
57 1,1-Dichloroethane	63	6.696	6.694	0.002	85	3843457	54.7	
61 2-Butanone (MEK)	43	7.078	7.076	0.002	100	1099215	219.5	
62 sec-Butyl Alcohol	45	7.119	7.117	0.002	73	1117374	1756.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.131	7.128	0.003	70	1949121	55.1	
65 2,2-Dichloropropane	77	7.166	7.158	0.008	82	3258263	56.2	
67 Chlorobromomethane	128	7.331	7.334	-0.003	94	572595	54.5	
68 Chloroform	83	7.342	7.340	0.002	82	3204169	55.1	
69 Tetrahydrofuran	42	7.372	7.364	0.008	88	292187	106.0	
70 Isobutyl alcohol	41	7.536	7.534	0.002	93	148806	1461.9	
71 1,1,1-Trichloroethane	97	7.566	7.563	0.003	90	3699879	59.0	
72 Cyclohexane	56	7.636	7.634	0.002	93	5025169	58.1	
73 1,1-Dichloropropene	75	7.665	7.663	0.002	89	3124355	57.1	
74 Carbon tetrachloride	117	7.707	7.704	0.003	74	3364001	59.4	
75 1,2-Dichloroethane	62	7.830	7.828	0.002	90	1470672	52.6	
77 Benzene	78	7.848	7.851	-0.003	98	7722566	54.8	
9 n-Heptane	43	7.918	7.916	0.002	93	4647091	57.8	
79 Trichloroethene	95	8.300	8.304	-0.004	94	2265590	57.6	
80 2-Pentanone	43	8.335	8.339	-0.004	98	1867705	225.0	
82 1,2-Dichloropropane	63	8.482	8.486	-0.004	93	1662329	53.6	
83 Methylcyclohexane	55	8.488	8.486	0.002	93	3944015	58.2	
84 1,4-Dioxane	88	8.535	8.533	0.002	39	100873	1145.7	
85 Dibromomethane	93	8.582	8.580	0.002	86	542584	54.7	
86 Dichlorobromomethane	83	8.647	8.650	-0.003	93	1931671	57.2	
88 2-Chloroethyl vinyl ether	63	8.782	8.779	0.003	91	328772	62.8	
89 cis-1,3-Dichloropropene	75	8.958	8.962	-0.004	90	2072884	55.7	
90 4-Methyl-2-pentanone (MIBK)	43	9.011	9.009	0.002	98	2191371	239.3	
91 Toluene	91	9.234	9.232	0.002	98	8034614	56.3	
92 Ethyl methacrylate	69	9.305	9.308	-0.003	91	869700	61.8	
93 trans-1,3-Dichloropropene	75	9.328	9.332	-0.004	95	1590297	57.4	
94 1,1,2-Trichloroethane	97	9.493	9.490	0.003	87	728763	55.2	
95 2-Hexanone	43	9.604	9.602	0.002	97	1505128	233.2	
96 1,3-Dichloropropane	76	9.634	9.631	0.003	94	1424713	54.0	
97 Tetrachloroethene	164	9.657	9.655	0.002	90	1780272	57.3	
98 Chlorodibromomethane	129	9.834	9.831	0.003	89	939824	58.6	
100 Ethylene Dibromide	107	9.963	9.960	0.003	98	681989	55.6	
101 1-Chlorohexane	91	10.180	10.184	-0.004	96	3335620	62.2	
102 Chlorobenzene	112	10.304	10.307	-0.003	91	4547087	55.6	
104 Ethylbenzene	106	10.339	10.336	0.003	99	3140072	58.5	
103 1,1,1,2-Tetrachloroethane	131	10.339	10.336	0.003	37	1440719	57.7	
105 m-Xylene & p-Xylene	106	10.415	10.413	0.002	99	3759872	58.8	
109 o-Xylene	106	10.738	10.742	-0.004	88	3322934	57.9	
106 Styrene	104	10.738	10.742	-0.004	85	4692511	62.8	
107 Bromoform	173	10.956	10.953	0.003	96	439372	61.4	
108 Isopropylbenzene	105	11.003	11.006	-0.003	97	10020490	57.7	
111 Cyclohexanone	55	11.150	11.153	-0.003	95	725659	2469.9	
112 1,1,2,2-Tetrachloroethane	83	11.214	11.218	-0.004	86	705205	58.3	
113 trans-1,4-Dichloro-2-butene	53	11.250	11.247	0.003	86	197843	56.1	
114 1,2,3-Trichloropropane	110	11.291	11.294	-0.003	78	209329	54.0	
115 N-Propylbenzene	120	11.332	11.335	-0.003	96	2893705	60.7	
116 Bromobenzene	156	11.344	11.341	0.003	97	1631927	55.5	
120 1,3,5-Trimethylbenzene	105	11.443	11.441	0.002	94	8032516	59.4	
117 2-Chlorotoluene	126	11.467	11.465	0.002	95	2100704	57.4	
118 4-Chlorotoluene	126	11.543	11.547	-0.004	99	2109124	58.6	
119 tert-Butylbenzene	119	11.755	11.758	-0.003	93	8423687	60.2	
121 1,2,4-Trimethylbenzene	105	11.784	11.782	0.002	98	7777915	58.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.943	11.940	0.003	95	2432098	61.5	
123 4-Isopropyltoluene	119	12.031	12.035	-0.003	94	9596096	60.1	
124 1,3-Dichlorobenzene	146	12.113	12.117	-0.004	96	3696506	58.3	
126 1,4-Dichlorobenzene	146	12.190	12.187	0.003	93	3457947	57.2	
127 n-Butylbenzene	91	12.413	12.416	-0.003	97	9622226	61.3	
128 1,2-Dichlorobenzene	146	12.566	12.563	0.003	95	2872827	57.3	
129 1,2-Dibromo-3-Chloropropane	157	13.353	13.356	-0.003	77	113401	58.9	
130 1,2,4-Trichlorobenzene	180	14.352	14.349	0.003	93	2088771	59.0	
131 Hexachlorobutadiene	225	14.505	14.502	0.003	96	1868410	63.6	
132 Naphthalene	128	14.745	14.743	0.002	97	2581985	57.6	
133 1,2,3-Trichlorobenzene	180	15.080	15.084	-0.004	94	1603883	57.2	
S 140 1,2-Dichloroethene, Total (URS)	96				0		111.3	
S 137 Total BTEX	1				0		286.3	
S 138 Xylenes, Total	106				0		116.7	
S 139 Xylenes, Total (URS)	1				0		116.7	
S 134 Trihalomethanes, Total	1				0		232.4	
S 135 1,3-Dichloropropene, Total	1				0		113.0	
S 136 1,2-Dichloroethene, Total	1				0		111.3	

QC Flag Legend

Review Flags
a - User Assigned ID

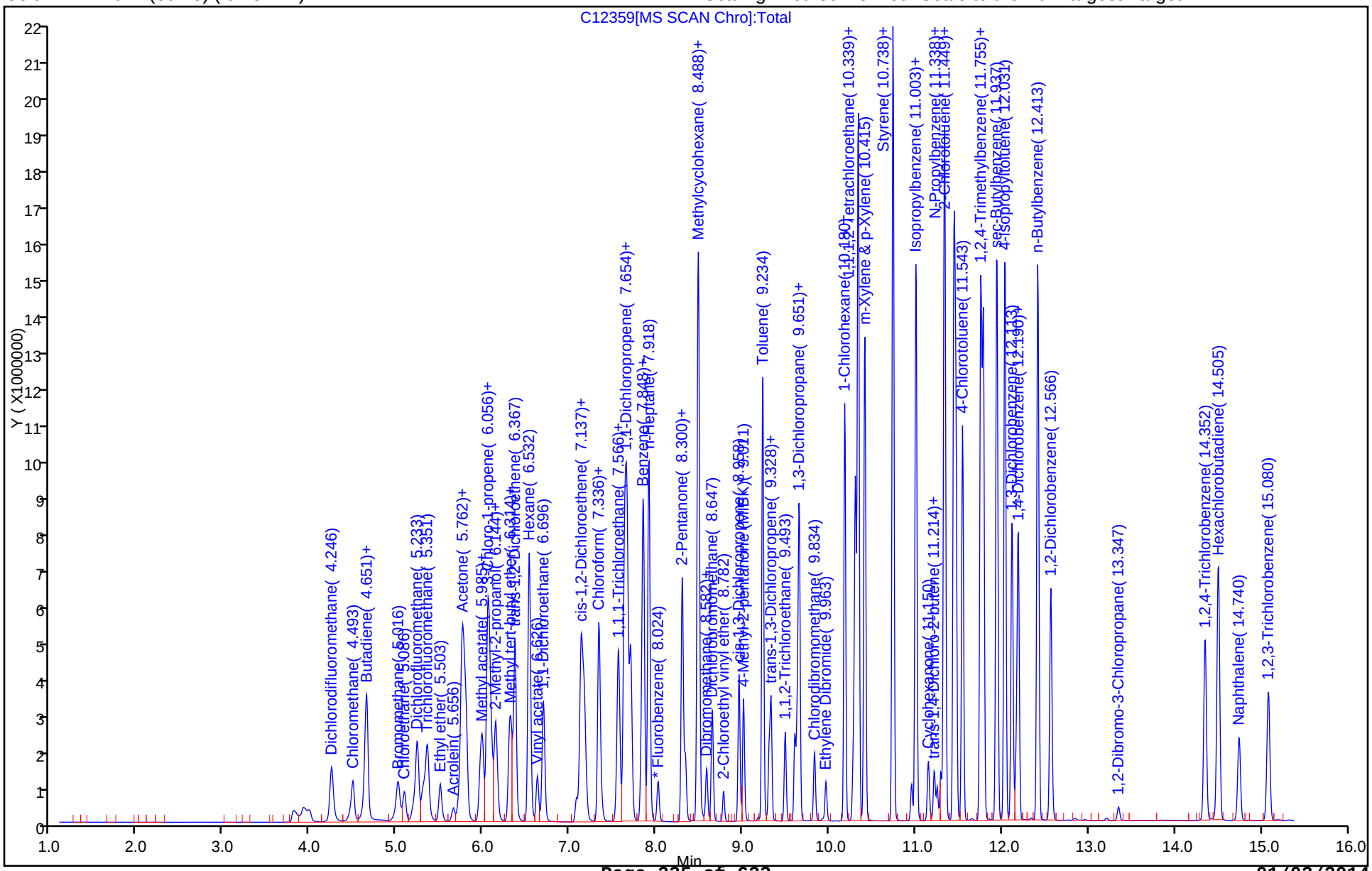
Report Date: 20-Dec-2013 21:20:28 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Injection Date:	20-Dec-2013 02:36:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	21
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

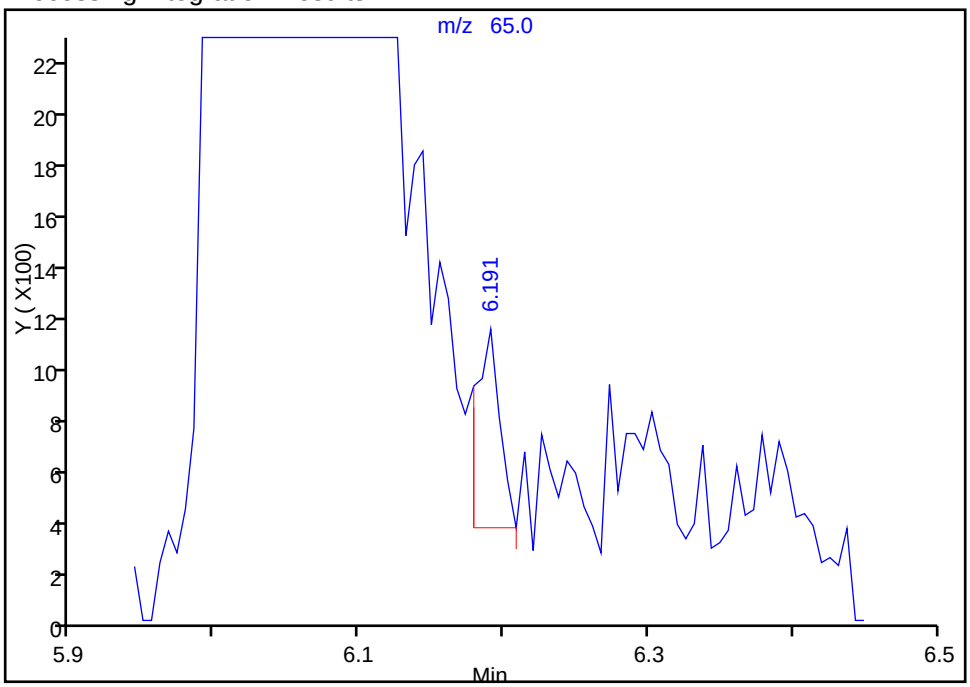
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D				
Injection Date:	20-Dec-2013 02:36:30	Instrument ID:	VMS_C		
Lims ID:	ic	Lab Sample ID:			
Client ID:					
Operator ID:	contrerase	ALS Bottle#:	30	Worklist Smp#:	21
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

* 150 TBA-d9 (IS), CAS: 25725-11-5

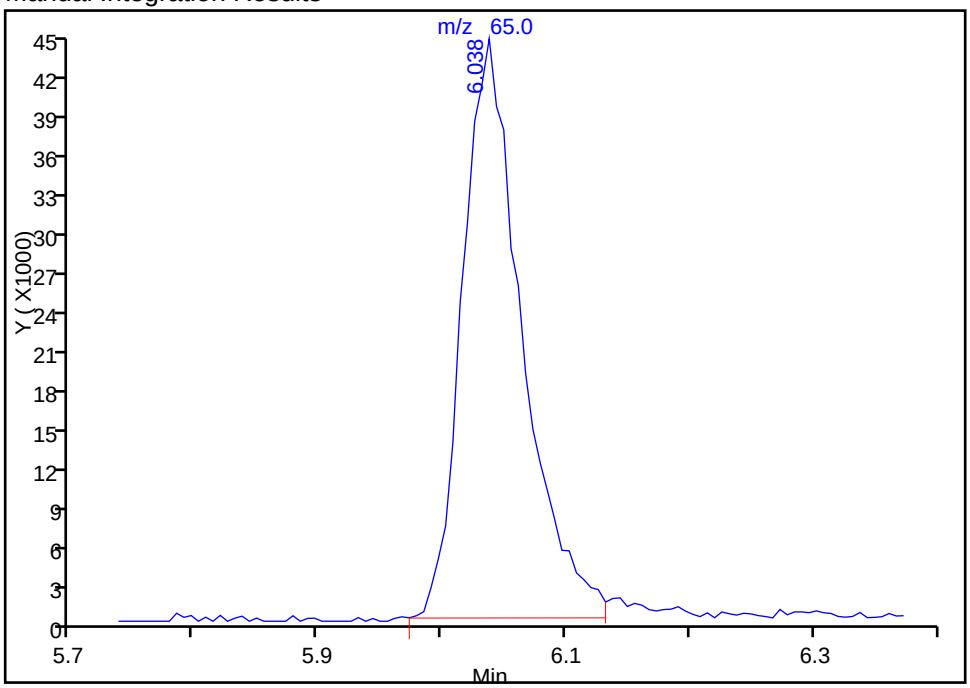
Processing Integration Results

RT: 6.19
Response: 872
Amount: 250.0000



Manual Integration Results

RT: 6.04
Response: 148511
Amount: 250.0000



Reviewer: contrerase, 20-Dec-2013 16:00:54
Audit Action: Assigned Compound ID
Audit Reason: Wrong peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: ICV 280-204240/22 Calibration Date: 12/06/2013 22:57

Instrument ID: VMS_C Calib Start Date: 12/06/2013 20:38

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/06/2013 22:18

Lab File ID: C12139.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isopropyl ether	Lin2		35564		0.0107	0.0100	7.1	35.0
Dibromofluoromethane (Surr)	Ave	0.2530	0.2296		0.00908	0.0100	-9.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2255	0.1987		0.00881	0.0100	-11.9	20.0
Toluene-d8 (Surr)	Ave	5.416	4.892		0.00903	0.0100	-9.7	20.0
4-Bromofluorobenzene (Surr)	Ave	1.216	1.055		0.00868	0.0100	-13.2	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12139.D
Lims ID: icv Lab Sample ID: ICV 280-204240/22-A
Client ID:
Sample Type: ICV
Inject. Date: 06-Dec-2013 22:57:30 ALS Bottle#: 29 Worklist Smp#: 22
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: icv
Operator ID: contrerase Instrument ID: VMS_C
Sublist:

Method: \\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 13-Dec-2013 20:45:04 Calib Date: 06-Dec-2013 22:18:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK011

First Level Reviewer: contrerase Date: 10-Dec-2013 22:15:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.037	6.041	-0.003	0	117787	250.0	
* 1 Fluorobenzene	96	8.023	8.026	-0.003	98	988036	12.5	
* 2 Chlorobenzene-d5	119	10.279	10.283	-0.004	87	211670	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.165	12.163	0.002	97	303095	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.470	7.474	-0.004	81	181498	9.08	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.770	7.774	-0.004	0	157025	8.81	
$ 7 Toluene-d8 (Surr)	98	9.180	9.184	-0.004	94	828330	9.03	
$ 8 4-Bromofluorobenzene (Surr)	95	11.166	11.170	-0.004	84	255832	8.68	
22 Chlorotrifluoroethene	116	4.186	4.190	-0.004	96	150481	10.8	
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.403	4.407	-0.004	94	232615	9.76	
23 2-Chloro-1,1,1-Trifluoroethane	118	4.674	4.677	-0.003	27	245002	10.2	
28 Ethylene oxide	43	4.944	4.948	-0.004	100	590435	2096.5	
34 Ethanol	45	5.355	5.359	-0.004	53	47082	587.4	
35 1,2-Dichloro-1,1,2-trifluoroetha	117	5.490	5.488	0.002	81	255297	9.01	
37 1,1,1-Trifluoro-2,2-dichloroetha	83	5.525	5.535	-0.010	83	432708	8.59	
38 Propene oxide	58	5.608	5.612	-0.004	96	789344	482.2	
41 Isopropyl alcohol	45	5.772	5.782	-0.010	89	42113	101.2	
44 Acetonitrile	41	5.995	6.005	-0.010	99	95527	108.3	
56 Isopropyl ether	87	6.636	6.640	-0.004	96	167560	10.7	
58 2-Chloro-1,3-butadiene	53	6.765	6.769	-0.004	91	458193	9.32	
59 Tert-butyl ethyl ether	59	6.924	6.928	-0.004	99	528078	10.3	
60 Ethyl acetate	43	7.065	7.063	0.002	99	143760	37.2	
63 Propionitrile	54	7.135	7.139	-0.004	98	92324	105.4	
66 Methacrylonitrile	41	7.265	7.268	-0.003	95	486648	103.6	
76 Tert-amyl methyl ether	73	7.829	7.833	-0.004	97	386992	10.3	
78 n-Butanol	56	8.040	8.038	0.002	86	54774	268.7	
148 Ethyl acrylate	55	8.240	8.244	-0.004	100	95739	9.40	
81 Methyl methacrylate	100	8.422	8.426	-0.004	92	37066	19.7	
87 2-Nitropropane	41	8.786	8.790	-0.004	97	32388	19.5	
144 n-Butyl acetate	43	9.644	9.642	0.002	99	139750	17.7	
99 Tetrahydrothiophene	60	9.879	9.883	-0.004	93	43150	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
110 cis-1,4-Dichloro-2-butene	53	11.037	11.035	0.002	90	25058	9.49	
125 1,2,3-Trimethylbenzene	105	12.188	12.186	0.002	99	819895	9.84	
146 Benzyl chloride	126	12.282	12.286	-0.004	100	28276	8.97	
21 1,3,5-Trichlorobenzene	180	13.575	13.573	0.002	96	325984	9.59	

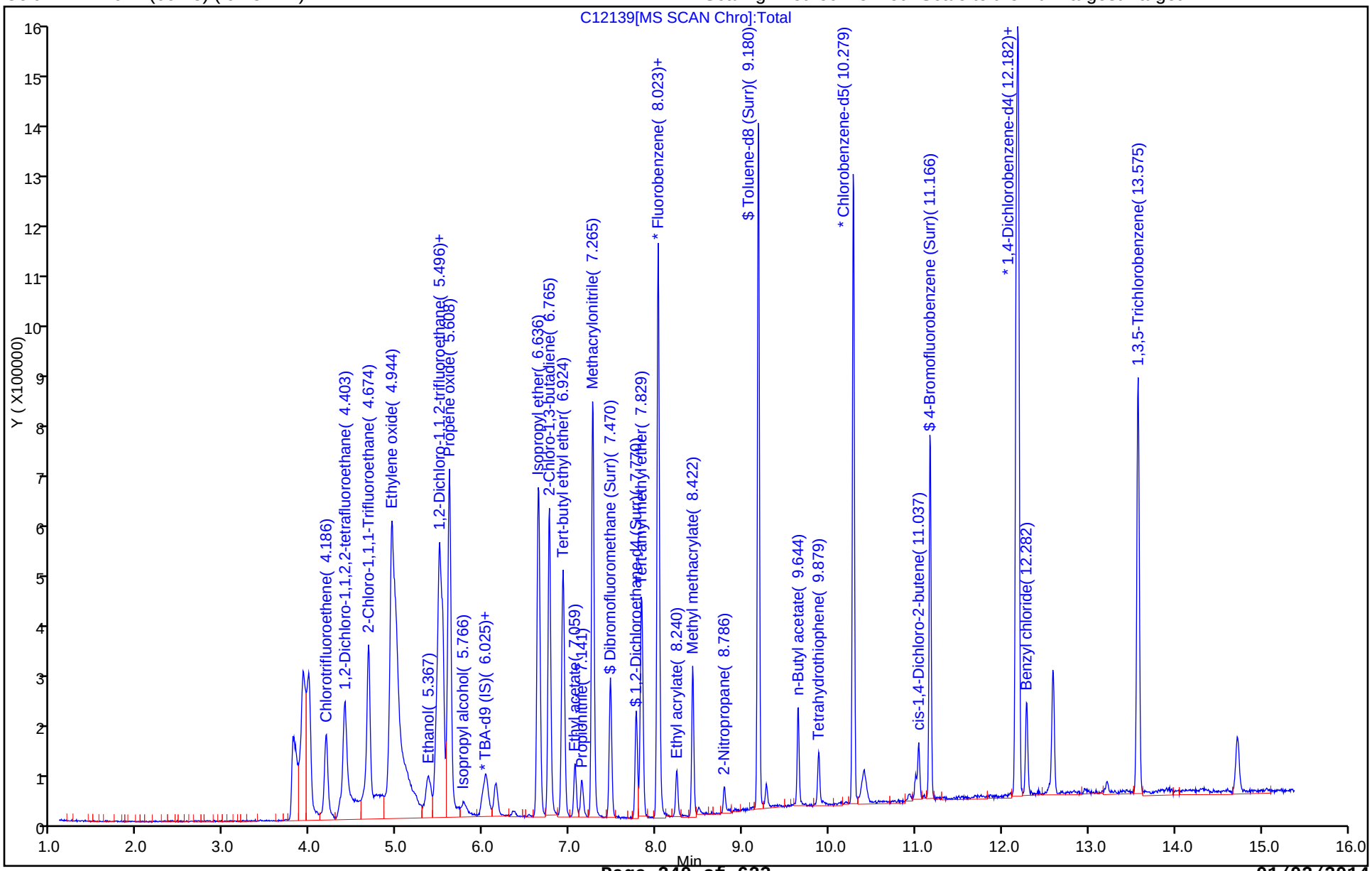
Report Date: 13-Dec-2013 20:45:05 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12139.D

Injection Date:	06-Dec-2013 22:57:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	icv	Lab Sample ID:	ICV 280-204240/22-A	Worklist Smp#:	22
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: ICV 280-206019/14 Calibration Date: 12/19/2013 23:57

Instrument ID: VMS_C Calib Start Date: 12/19/2013 21:39

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/19/2013 23:18

Lab File ID: C12351.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.3199	0.2860		0.00894	0.0100	-10.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2788	0.2533		0.00909	0.0100	-9.1	20.0
Toluene-d8 (Surr)	Ave	5.374	4.506		0.00838	0.0100	-16.2	20.0
4-Bromofluorobenzene (Surr)	Ave	1.128	0.9180		0.00814	0.0100	-18.6	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12351.D
Lims ID: icv Lab Sample ID: ICV 280-206019/14-A
Client ID:
Sample Type: ICV
Inject. Date: 19-Dec-2013 23:57:30 ALS Bottle#: 22 Worklist Smp#: 14
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: icv
Operator ID: contrerase Instrument ID: VMS_C
Sublist:

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 19:37:09 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 18:05:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.038	6.030	0.008	0	151278	250.0	
* 1 Fluorobenzene	96	8.024	8.022	0.002	98	1001246	12.5	
* 2 Chlorobenzene-d5	119	10.280	10.278	0.002	87	270030	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.166	12.164	0.002	96	413575	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.472	7.470	0.002	67	229096	8.94	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.771	7.770	0.001	0	202855	9.09	
$ 7 Toluene-d8 (Surr)	98	9.181	9.180	0.001	94	973325	8.38	
$ 8 4-Bromofluorobenzene (Surr)	95	11.167	11.166	0.001	85	303742	8.14	

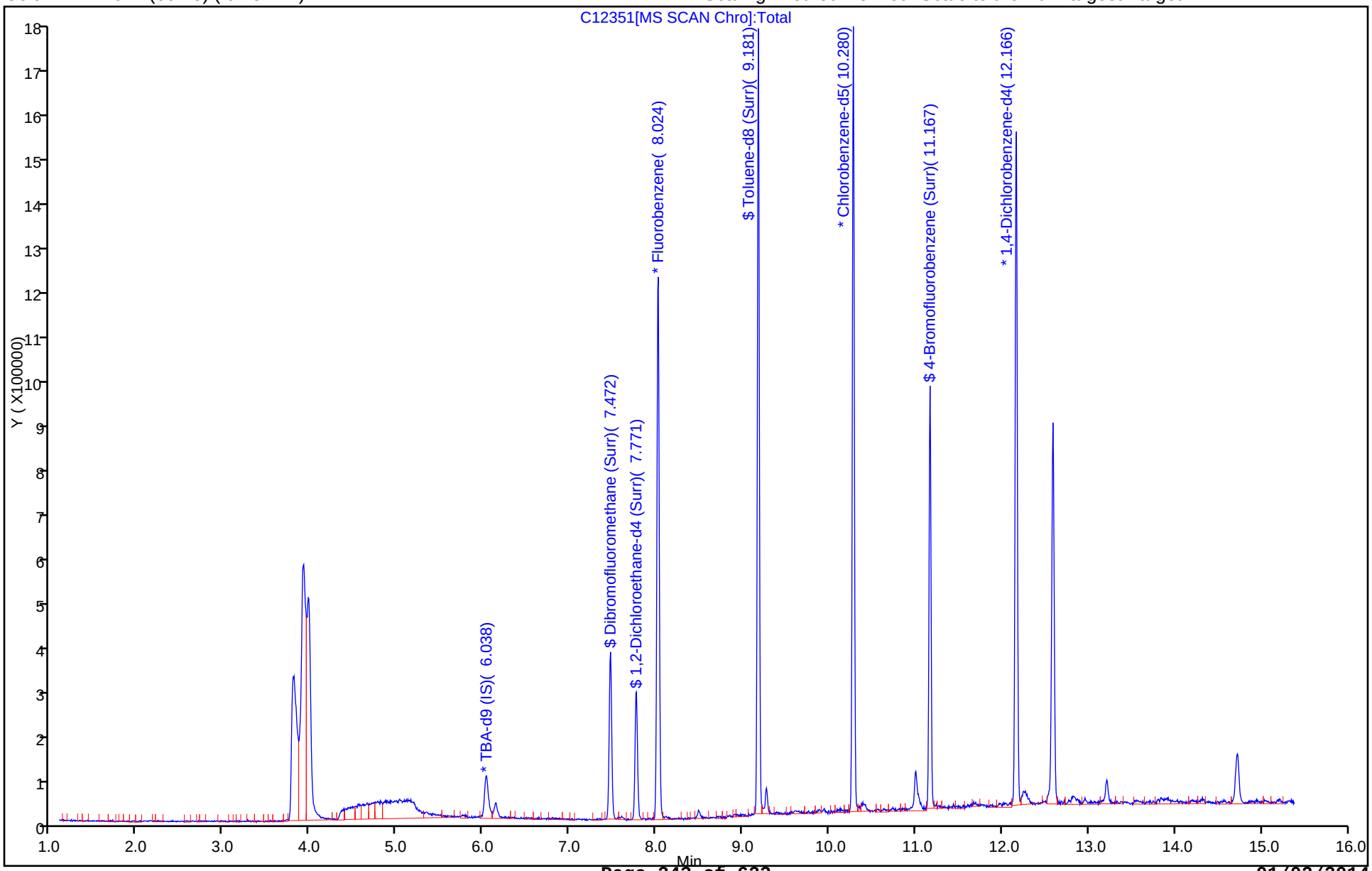
Report Date: 20-Dec-2013 19:37:11 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12351.D

Injection Date:	19-Dec-2013 23:57:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	icv	Lab Sample ID:	ICV 280-206019/14-A	Worklist Smp#:	14
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: ICV 280-206019/22 Calibration Date: 12/20/2013 03:15

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12361.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5970	0.4795		0.00803	0.0100	-19.7	55.0
Chloromethane	Ave	0.4737	0.3966	0.1000	0.00837	0.0100	-16.3	35.0
Vinyl chloride	Ave	0.4705	0.4211		0.00895	0.0100	-10.5	20.0
Bromomethane	Ave	0.3242	0.2819		0.00870	0.0100	-13.0	35.0
Chloroethane	Ave	0.2503	0.2325		0.00929	0.0100	-7.1	35.0
Trichlorofluoromethane	Ave	0.8487	0.7676		0.00904	0.0100	-9.6	50.0
Acetone	Ave	0.0424	0.0348		0.0328	0.0400	-18.1	55.0
1,1-Dichloroethene	Ave	0.5120	0.4614		0.00901	0.0100	-9.9	20.0
Carbon disulfide	Ave	2.165	2.026		0.00935	0.0100	-6.5	55.0
Methylene Chloride	Lin1		0.3940		0.0100	0.0100	0.4	35.0
Methyl tert-butyl ether	Ave	0.5933	0.5679		0.00957	0.0100	-4.3	35.0
trans-1,2-Dichloroethene	Ave	0.5097	0.4721		0.00926	0.0100	-7.4	35.0
1,1-Dichloroethane	Ave	0.9123	0.8494	0.1000	0.00931	0.0100	-6.9	35.0
2-Butanone (MEK)	Ave	0.0650	0.0647		0.0398	0.0400	-0.4	20.0
cis-1,2-Dichloroethene	Ave	0.4592	0.4272		0.00930	0.0100	-7.0	35.0
2,2-Dichloropropane	Ave	0.7530	0.6565		0.00872	0.0100	-12.8	35.0
Chlorobromomethane	Ave	0.1363	0.1296		0.00951	0.0100	-4.9	35.0
Chloroform	Ave	0.7550	0.7035		0.00932	0.0100	-6.8	20.0
1,1,1-Trichloroethane	Ave	0.8144	0.7309		0.00898	0.0100	-10.2	35.0
1,1-Dichloropropene	Ave	0.7106	0.6845		0.00963	0.0100	-3.7	35.0
Carbon tetrachloride	Ave	0.7355	0.6685		0.00909	0.0100	-9.1	20.0
1,2-Dichloroethane	Ave	0.3632	0.3428		0.00944	0.0100	-5.6	20.0
Benzene	Ave	1.829	1.702		0.00931	0.0100	-6.9	20.0
Trichloroethene	Ave	0.5105	0.4757		0.00932	0.0100	-6.8	20.0
1,2-Dichloropropane	Ave	0.4027	0.3816		0.00948	0.0100	-5.2	20.0
Dibromomethane	Ave	0.1287	0.1236		0.00960	0.0100	-4.0	35.0
Dichlorobromomethane	Ave	0.4383	0.4053		0.00925	0.0100	-7.5	35.0
cis-1,3-Dichloropropene	Ave	1.724	1.646		0.00954	0.0100	-4.6	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1188	0.1172		0.0394	0.0400	-1.4	55.0
Toluene	Ave	1.853	1.734		0.00936	0.0100	-6.4	20.0
trans-1,3-Dichloropropene	Ave	0.3597	0.3416		0.00950	0.0100	-5.0	35.0
1,1,2-Trichloroethane	Ave	0.1715	0.1635		0.00953	0.0100	-4.7	35.0
2-Hexanone	Ave	0.2988	0.2805		0.0375	0.0400	-6.1	55.0
1,3-Dichloropropane	Ave	1.223	1.148		0.00939	0.0100	-6.1	35.0
Tetrachloroethene	Ave	1.437	1.281		0.00891	0.0100	-10.9	20.0
Chlorodibromomethane	Ave	0.7420	0.7190		0.00969	0.0100	-3.1	35.0
1,2-Dibromoethane	Ave	0.5682	0.5452		0.00960	0.0100	-4.0	35.0
Chlorobenzene	Ave	3.786	3.524	0.3000	0.00931	0.0100	-6.9	20.0
1,1,1,2-Tetrachloroethane	Ave	1.156	1.101		0.00953	0.0100	-4.7	35.0
Ethylbenzene	Ave	2.484	2.286		0.00921	0.0100	-7.9	20.0
m-Xylene & p-Xylene	Ave	2.959	2.713		0.00917	0.0100	-8.3	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: ICV 280-206019/22 Calibration Date: 12/20/2013 03:15

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12361.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	2.657	2.523		0.00950	0.0100	-5.0	35.0
Styrene	Ave	3.460	3.475		0.0100	0.0100	0.4	35.0
Bromoform	Ave	0.3311	0.3187	0.1000	0.00962	0.0100	-3.8	35.0
Isopropylbenzene	Ave	5.049	4.751		0.00941	0.0100	-5.9	35.0
1,1,2,2-Tetrachloroethane	Lin1		0.3756	0.3000	0.0104	0.0100	4.2	35.0
1,2,3-Trichloropropane	Ave	0.1127	0.1110		0.00985	0.0100	-1.5	35.0
N-Propylbenzene	Ave	1.387	1.276		0.00920	0.0100	-8.0	35.0
Bromobenzene	Ave	0.8549	0.8167		0.00955	0.0100	-4.5	35.0
1,3,5-Trimethylbenzene	Ave	3.935	3.704		0.00941	0.0100	-5.9	35.0
2-Chlorotoluene	Ave	1.064	0.9805		0.00922	0.0100	-7.8	35.0
4-Chlorotoluene	Ave	1.046	0.9853		0.00942	0.0100	-5.8	35.0
tert-Butylbenzene	Ave	4.071	3.825		0.00940	0.0100	-6.0	35.0
1,2,4-Trimethylbenzene	Ave	3.853	3.625		0.00941	0.0100	-5.9	35.0
sec-Butylbenzene	Ave	1.150	1.069		0.00929	0.0100	-7.1	35.0
4-Isopropyltoluene	Ave	4.642	4.239		0.00913	0.0100	-8.7	35.0
1,3-Dichlorobenzene	Ave	1.843	1.725		0.00936	0.0100	-6.4	35.0
1,4-Dichlorobenzene	Ave	1.757	1.645		0.00936	0.0100	-6.4	35.0
n-Butylbenzene	Ave	4.569	4.161		0.00911	0.0100	-8.9	35.0
1,2-Dichlorobenzene	Ave	1.459	1.399		0.00959	0.0100	-4.1	35.0
1,2-Dibromo-3-Chloropropane	Lin1		0.0586		0.0104	0.0100	4.5	55.0
1,2,4-Trichlorobenzene	Ave	1.029	0.9390		0.00912	0.0100	-8.8	35.0
Hexachlorobutadiene	Lin1		0.7477		0.00862	0.0100	-13.8	35.0
Naphthalene	Ave	1.305	1.286		0.00985	0.0100	-1.5	35.0
1,2,3-Trichlorobenzene	Ave	0.8161	0.7598		0.00931	0.0100	-6.9	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12361.D
Lims ID: icv Lab Sample ID: ICV 280-206019/22-A
Client ID:
Sample Type: ICV
Inject. Date: 20-Dec-2013 03:15:30 ALS Bottle#: 32 Worklist Smp#: 22
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: icv
Operator ID: contrerase Instrument ID: VMS_C
Sublist:

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 21:21:54 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 20-Dec-2013 21:21:54

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.034	6.030	0.004	0	148836	250.0	
* 1 Fluorobenzene	96	8.020	8.022	-0.002	98	973369	12.5	
* 2 Chlorobenzene-d5	119	10.282	10.284	-0.002	81	269134	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.162	12.164	-0.002	91	420768	12.5	
24 Dichlorodifluoromethane	85	4.248	4.238	0.010	88	373369	8.03	
26 Chloromethane	50	4.483	4.479	0.004	89	308790	8.37	
27 Vinyl chloride	62	4.630	4.631	-0.001	82	327874	8.95	
147 Butadiene	54	4.648	4.649	-0.001	93	269554	8.64	
29 Bromomethane	94	5.012	5.007	0.005	89	219541	8.70	
31 Chloroethane	64	5.083	5.084	-0.002	94	181015	9.29	
32 Dichlorofluoromethane	67	5.235	5.231	0.004	79	654156	9.17	
33 Trichlorofluoromethane	101	5.353	5.348	0.005	87	597752	9.04	
36 Ethyl ether	59	5.506	5.501	0.005	93	149570	9.64	
39 Acrolein	56	5.652	5.654	-0.002	94	95657	111.1	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.752	5.754	-0.002	88	302605	8.67	
40 Acetone	43	5.764	5.760	0.004	92	108249	32.8	
43 1,1-Dichloroethene	96	5.788	5.789	-0.001	87	359257	9.01	
45 Iodomethane	142	5.970	5.965	0.005	99	550634	9.70	
46 Methyl acetate	43	5.993	5.995	-0.002	89	358949	48.3	
47 3-Chloro-1-propene	41	6.052	6.047	0.005	81	626293	8.46	
48 Carbon disulfide	76	6.075	6.071	0.004	99	1577278	9.35	
49 2-Methyl-2-propanol	59	6.099	6.100	-0.001	65	86916	98.2	
50 Methylene Chloride	84	6.146	6.141	0.005	88	306808	10.0	
51 Acrylonitrile	53	6.305	6.300	0.005	100	331219	97.4	
52 Methyl tert-butyl ether	73	6.322	6.324	-0.002	97	442229	9.57	
53 trans-1,2-Dichloroethene	96	6.369	6.365	0.004	93	367615	9.26	
54 Hexane	57	6.534	6.529	0.005	96	682336	9.15	
55 Vinyl acetate	43	6.628	6.623	0.005	96	458711	21.4	
57 1,1-Dichloroethane	63	6.692	6.694	-0.002	85	661449	9.31	
61 2-Butanone (MEK)	43	7.074	7.076	-0.002	96	201580	39.8	
62 sec-Butyl Alcohol	45	7.121	7.117	0.004	62	193271	303.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.133	7.128	0.005	71	332661	9.30	
65 2,2-Dichloropropane	77	7.168	7.158	0.010	90	511243	8.72	
67 Chlorobromomethane	128	7.333	7.334	-0.001	93	100926	9.51	
68 Chloroform	83	7.339	7.340	-0.001	82	547840	9.32	
69 Tetrahydrofuran	42	7.368	7.364	0.004	90	49946	17.9	
70 Isobutyl alcohol	41	7.533	7.534	-0.001	92	72663	696.7	
71 1,1,1-Trichloroethane	97	7.562	7.563	-0.001	90	569177	8.98	
72 Cyclohexane	56	7.638	7.634	0.004	94	775654	8.87	
73 1,1-Dichloropropene	75	7.668	7.663	0.005	92	533006	9.63	
74 Carbon tetrachloride	117	7.703	7.704	-0.001	76	520537	9.09	
75 1,2-Dichloroethane	62	7.826	7.828	-0.002	90	266956	9.44	
77 Benzene	78	7.850	7.851	-0.001	96	1325718	9.31	
9 n-Heptane	43	7.914	7.916	-0.002	94	730957	8.99	
79 Trichloroethene	95	8.302	8.304	-0.002	94	370456	9.32	
80 2-Pentanone	43	8.338	8.339	-0.001	97	253250	30.2	
82 1,2-Dichloropropane	63	8.484	8.486	-0.002	89	297173	9.48	
83 Methylcyclohexane	55	8.490	8.486	0.004	92	614695	8.97	
84 1,4-Dioxane	88	8.531	8.533	-0.002	45	19186	222.5	
85 Dibromomethane	93	8.584	8.580	0.004	88	96262	9.60	
86 Dichlorobromomethane	83	8.649	8.650	-0.001	92	315599	9.25	
88 2-Chloroethyl vinyl ether	63	8.778	8.779	-0.001	92	46076	8.71	
89 cis-1,3-Dichloropropene	75	8.960	8.962	-0.002	87	354365	9.54	
90 4-Methyl-2-pentanone (MIBK)	43	9.013	9.009	0.004	98	364955	39.4	
91 Toluene	91	9.231	9.232	-0.001	98	1350452	9.36	
92 Ethyl methacrylate	69	9.307	9.308	-0.001	91	137914	9.83	
93 trans-1,3-Dichloropropene	75	9.325	9.332	-0.007	94	266000	9.50	
94 1,1,2-Trichloroethane	97	9.489	9.490	-0.001	92	127309	9.53	
95 2-Hexanone	43	9.601	9.602	-0.001	97	241573	37.5	
96 1,3-Dichloropropane	76	9.630	9.631	-0.001	96	247071	9.39	
97 Tetrachloroethene	164	9.654	9.655	-0.001	89	275744	8.91	
98 Chlorodibromomethane	129	9.830	9.831	-0.001	88	154800	9.69	
100 Ethylene Dibromide	107	9.965	9.960	0.005	100	117392	9.60	
101 1-Chlorohexane	91	10.182	10.184	-0.002	94	489088	9.15	
102 Chlorobenzene	112	10.306	10.307	-0.001	92	758833	9.31	
104 Ethylbenzene	106	10.335	10.336	-0.001	91	492276	9.21	
103 1,1,1,2-Tetrachloroethane	131	10.335	10.336	-0.001	33	237147	9.53	
105 m-Xylene & p-Xylene	106	10.412	10.413	-0.001	100	584049	9.17	
109 o-Xylene	106	10.741	10.742	-0.001	88	543230	9.50	
106 Styrene	104	10.741	10.742	-0.001	84	748248	10.0	
107 Bromoform	173	10.952	10.953	-0.001	89	68622	9.62	
108 Isopropylbenzene	105	11.005	11.006	-0.001	96	1599297	9.41	
111 Cyclohexanone	55	11.146	11.153	-0.007	94	123854	422.9	
112 1,1,2,2-Tetrachloroethane	83	11.216	11.218	-0.002	83	126434	10.4	
113 trans-1,4-Dichloro-2-butene	53	11.252	11.247	0.005	80	36415	10.5	
114 1,2,3-Trichloropropane	110	11.293	11.294	-0.001	83	37351	9.85	
115 N-Propylbenzene	120	11.334	11.335	-0.001	97	429599	9.20	
116 Bromobenzene	156	11.346	11.341	0.005	96	274911	9.55	
120 1,3,5-Trimethylbenzene	105	11.446	11.441	0.005	93	1246913	9.41	
117 2-Chlorotoluene	126	11.463	11.465	-0.002	95	330057	9.22	
118 4-Chlorotoluene	126	11.546	11.547	-0.001	99	331681	9.42	
119 tert-Butylbenzene	119	11.757	11.758	-0.001	92	1287527	9.40	
121 1,2,4-Trimethylbenzene	105	11.781	11.782	-0.001	98	1220222	9.41	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.939	11.940	-0.001	95	359685	9.29	
123 4-Isopropyltoluene	119	12.033	12.035	-0.001	97	1426881	9.13	
124 1,3-Dichlorobenzene	146	12.115	12.117	-0.002	89	580694	9.36	
126 1,4-Dichlorobenzene	146	12.186	12.187	-0.001	93	553783	9.36	
127 n-Butylbenzene	91	12.415	12.416	-0.001	98	1400558	9.11	
128 1,2-Dichlorobenzene	146	12.562	12.563	-0.001	94	470889	9.59	
129 1,2-Dibromo-3-Chloropropane	157	13.355	13.356	-0.001	69	19728	10.4	
130 1,2,4-Trichlorobenzene	180	14.348	14.349	-0.001	91	316092	9.12	
131 Hexachlorobutadiene	225	14.501	14.502	-0.001	95	251701	8.62	
132 Naphthalene	128	14.742	14.743	-0.001	97	432741	9.85	
133 1,2,3-Trichlorobenzene	180	15.083	15.084	-0.001	93	255761	9.31	
S 140 1,2-Dichloroethene, Total (URS)	96				0		18.6	
S 138 Xylenes, Total	106				0		18.7	
S 139 Xylenes, Total (URS)	1				0		18.7	
S 134 Trihalomethanes, Total	1				0		37.9	
S 135 1,3-Dichloropropene, Total	1				0		19.0	
S 136 1,2-Dichloroethene, Total	1				0		18.6	

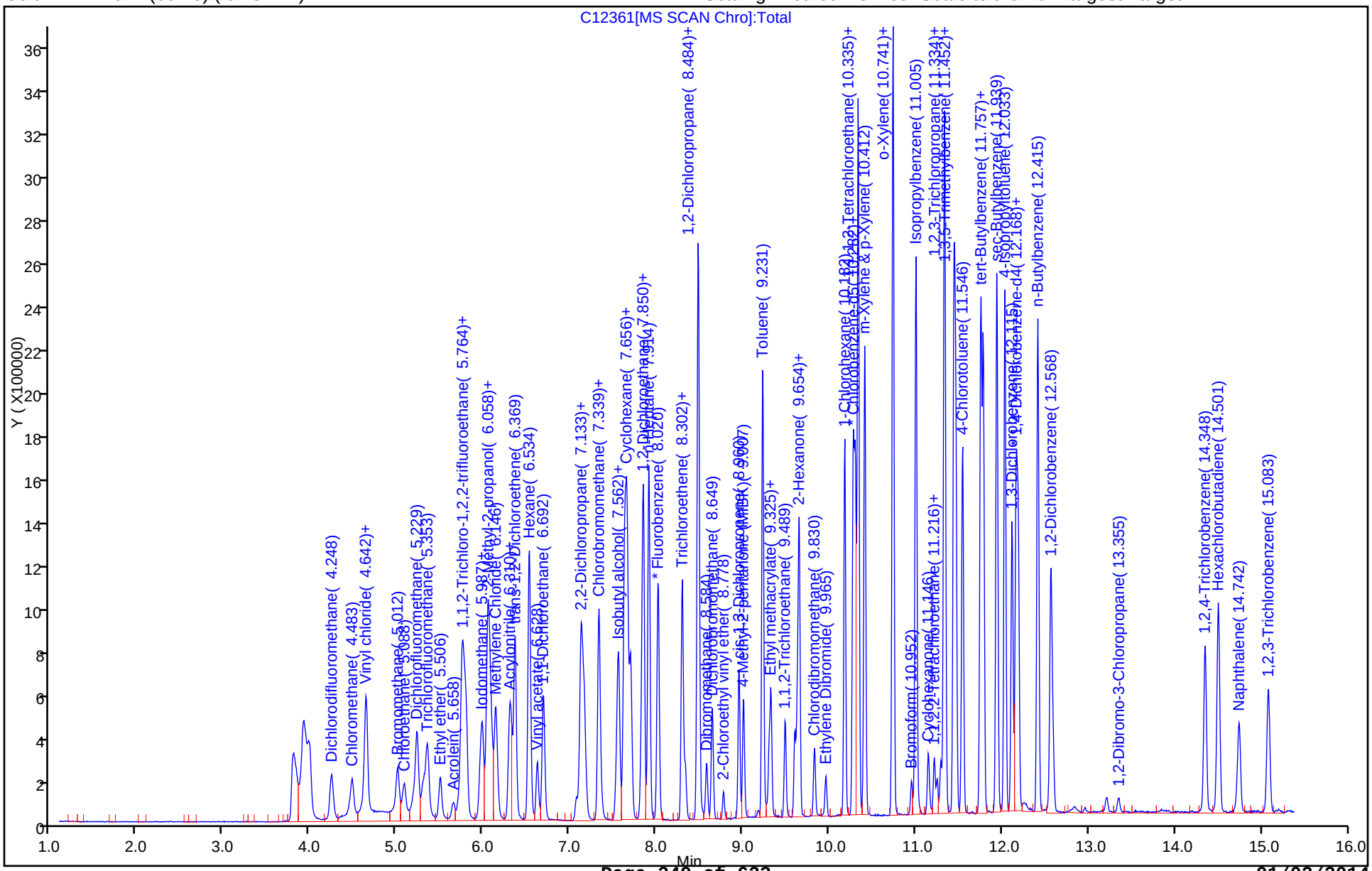
Report Date: 20-Dec-2013 21:21:55 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12361.D

Injection Date:	20-Dec-2013 03:15:30	Instrument ID:	VMS_C	Operator ID:	contrerase
Lims ID:	icv	Lab Sample ID:	ICV 280-206019/22-A	Worklist Smp#:	22
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	32
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206305/2 Calibration Date: 12/23/2013 08:45

Instrument ID: VMS_C Calib Start Date: 12/19/2013 21:39

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/19/2013 23:18

Lab File ID: C12452.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.3199	0.2988		0.0117	0.0125	-6.6	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2788	0.2536		0.0114	0.0125	-9.0	20.0
Toluene-d8 (Surr)	Ave	5.374	4.910		0.0114	0.0125	-8.6	20.0
4-Bromofluorobenzene (Surr)	Ave	1.128	0.9909		0.0110	0.0125	-12.2	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12452.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 23-Dec-2013 08:45:30 ALS Bottle#: 11 Worklist Smp#: 2
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ccv m
Operator ID: wickhamt Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub91

Method: \\Denchrom\ChromData\VMS_C\20131223-18534.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 24-Dec-2013 07:10:06 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK051

First Level Reviewer: wickhamt Date: 23-Dec-2013 09:21:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.047	6.047	0.0	0	175651	250.0	
* 1 Fluorobenzene	96	8.027	8.027	0.0	98	1083922	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	73	318198	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.169	12.169	0.0	92	520401	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	59	323924	11.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.774	7.774	0.0	0	274859	11.4	
$ 7 Toluene-d8 (Surr)	98	9.184	9.184	0.0	95	1562392	11.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	86	515685	11.0	
36 Ethyl ether	59	5.506	5.506	0.0	95	150460	8.71	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.759	5.759	0.0	89	358757	9.23	
43 1,1-Dichloroethene	96	5.800	5.800	0.0	88	411752	9.27	
45 Iodomethane	142	5.982	5.982	0.0	98	586558	9.28	
46 Methyl acetate	43	6.000	6.000	0.0	90	360622	43.6	
47 3-Chloro-1-propene	41	6.058	6.058	0.0	74	779016	9.45	
48 Carbon disulfide	76	6.076	6.076	0.0	99	1773077	9.44	
49 2-Methyl-2-propanol	59	6.105	6.105	0.0	55	78628	75.3	
50 Methylene Chloride	84	6.146	6.146	0.0	89	332929	9.76	
51 Acrylonitrile	53	6.305	6.305	0.0	99	328414	86.8	
52 Methyl tert-butyl ether	73	6.329	6.329	0.0	97	452711	8.80	
53 trans-1,2-Dichloroethene	96	6.376	6.376	0.0	93	409686	9.27	
54 Hexane	57	6.540	6.540	0.0	95	760184	8.63	
55 Vinyl acetate	43	6.628	6.628	0.0	96	500951	20.9	
57 1,1-Dichloroethane	63	6.699	6.699	0.0	86	735528	9.30	
62 sec-Butyl Alcohol	45	7.122	7.122	0.0	65	180982	240.5	
64 cis-1,2-Dichloroethene	96	7.134	7.134	0.0	71	363007	9.12	
65 2,2-Dichloropropane	77	7.169	7.169	0.0	91	676370	10.4	
67 Chlorobromomethane	128	7.339	7.339	0.0	88	108589	9.19	
68 Chloroform	83	7.345	7.345	0.0	82	616535	9.42	
69 Tetrahydrofuran	42	7.374	7.374	0.0	88	51379	16.6	
70 Isobutyl alcohol	41	7.545	7.545	0.0	85	28494	211.2	
71 1,1,1-Trichloroethane	97	7.568	7.568	0.0	91	698216	9.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
72 Cyclohexane	56	7.645	7.645	0.0	95	882158	9.06	
73 1,1-Dichloropropene	75	7.668	7.668	0.0	88	586622	9.52	
74 Carbon tetrachloride	117	7.709	7.709	0.0	73	630340	9.88	
75 1,2-Dichloroethane	62	7.833	7.833	0.0	86	294282	9.34	
77 Benzene	78	7.850	7.850	0.0	97	1468128	9.26	
9 n-Heptane	43	7.921	7.921	0.0	95	865334	9.56	
79 Trichloroethene	95	8.303	8.303	0.0	93	412370	9.31	
80 2-Pentanone	43	8.344	8.344	0.0	98	353593	37.9	
82 1,2-Dichloropropane	63	8.485	8.485	0.0	64	317960	9.11	
83 Methylcyclohexane	55	8.491	8.491	0.0	91	715199	9.37	
84 1,4-Dioxane	88	8.538	8.538	0.0	42	15846	167.2	
85 Dibromomethane	93	8.585	8.585	0.0	84	103888	9.31	
86 Dichlorobromomethane	83	8.649	8.649	0.0	92	361526	9.51	
88 2-Chloroethyl vinyl ether	63	8.779	8.779	0.0	92	56350	9.57	
89 cis-1,3-Dichloropropene	75	8.961	8.961	0.0	86	376169	8.57	
91 Toluene	91	9.237	9.237	0.0	97	1530812	9.53	
92 Ethyl methacrylate	69	9.307	9.307	0.0	92	130182	7.85	
93 trans-1,3-Dichloropropene	75	9.331	9.331	0.0	93	288823	9.26	
94 1,1,2-Trichloroethane	97	9.496	9.496	0.0	88	133975	9.01	
96 1,3-Dichloropropane	76	9.631	9.631	0.0	96	260180	8.36	
97 Tetrachloroethene	164	9.660	9.660	0.0	89	325742	8.90	
98 Chlorodibromomethane	129	9.830	9.830	0.0	89	162539	8.61	
100 Ethylene Dibromide	107	9.966	9.966	0.0	99	119311	8.25	
101 1-Chlorohexane	91	10.183	10.183	0.0	93	582236	9.22	
102 Chlorobenzene	112	10.306	10.306	0.0	92	859575	8.92	
104 Ethylbenzene	106	10.342	10.342	0.0	90	567046	8.97	
103 1,1,1,2-Tetrachloroethane	131	10.342	10.342	0.0	34	264549	8.99	
105 m-Xylene & p-Xylene	106	10.418	10.418	0.0	100	698480	9.27	
109 o-Xylene	106	10.741	10.741	0.0	90	622542	9.20	
106 Styrene	104	10.741	10.741	0.0	83	801408	9.10	
107 Bromoform	173	10.958	10.958	0.0	77	78343	9.29	
108 Isopropylbenzene	105	11.005	11.005	0.0	97	1888195	8.98	
112 1,1,2,2-Tetrachloroethane	83	11.217	11.217	0.0	85	135561	8.99	
113 trans-1,4-Dichloro-2-butene	53	11.252	11.252	0.0	78	34323	8.03	
114 1,2,3-Trichloropropane	110	11.293	11.293	0.0	82	38662	8.24	
115 N-Propylbenzene	120	11.335	11.335	0.0	97	520058	9.01	
116 Bromobenzene	156	11.346	11.346	0.0	97	314562	8.84	
120 1,3,5-Trimethylbenzene	105	11.446	11.446	0.0	92	1525960	9.31	
117 2-Chlorotoluene	126	11.470	11.470	0.0	94	395900	8.94	
118 4-Chlorotoluene	126	11.546	11.546	0.0	99	389074	8.94	
119 tert-Butylbenzene	119	11.758	11.758	0.0	89	1542433	9.10	
121 1,2,4-Trimethylbenzene	105	11.787	11.787	0.0	98	1501937	9.36	
122 sec-Butylbenzene	134	11.946	11.946	0.0	95	436348	9.11	
123 4-Isopropyltoluene	119	12.040	12.040	0.0	96	1814965	9.39	
124 1,3-Dichlorobenzene	146	12.122	12.122	0.0	89	689227	8.98	
126 1,4-Dichlorobenzene	146	12.192	12.192	0.0	84	659919	9.02	
127 n-Butylbenzene	91	12.416	12.416	0.0	98	1815114	9.54	
128 1,2-Dichlorobenzene	146	12.568	12.568	0.0	95	536312	8.83	
129 1,2-Dibromo-3-Chloropropane	157	13.350	13.350	0.0	73	20258	8.67	
130 1,2,4-Trichlorobenzene	180	14.355	14.355	0.0	93	390701	9.12	
131 Hexachlorobutadiene	225	14.507	14.507	0.0	95	357505	9.93	
132 Naphthalene	128	14.748	14.748	0.0	97	439327	8.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
133 1,2,3-Trichlorobenzene	180	15.089	15.089	0.0	93	296052	8.71	
S 140 1,2-Dichloroethene, Total (URS)	96				0		18.4	
S 137 Total BTEX	1				0		46.2	
S 138 Xylenes, Total	106				0		18.5	
S 139 Xylenes, Total (URS)	1				0		18.5	
S 134 Trihalomethanes, Total	1				0		36.8	
S 135 1,3-Dichloropropene, Total	1				0		17.8	
S 136 1,2-Dichloroethene, Total	1				0		18.4	

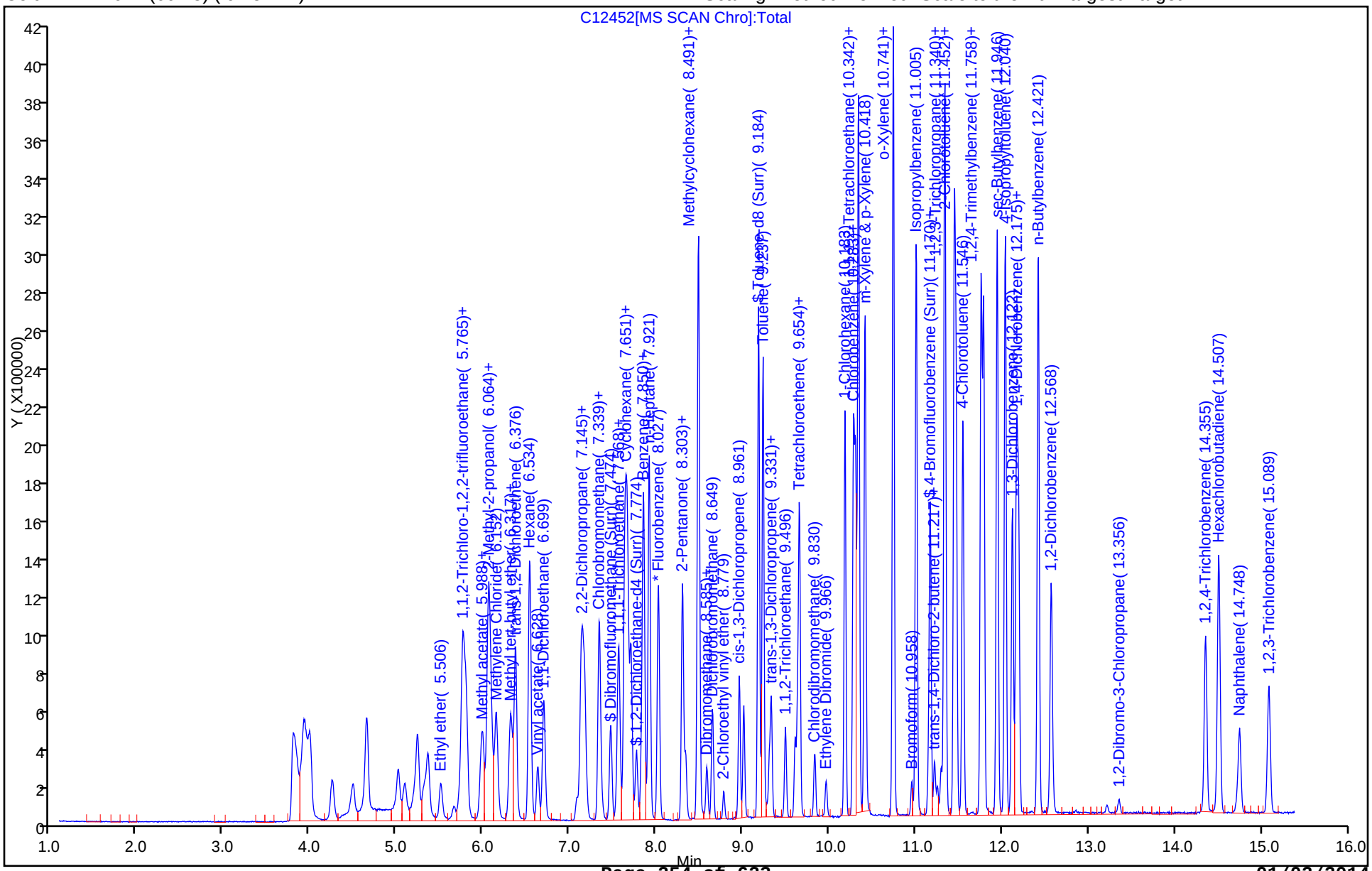
Report Date: 24-Dec-2013 07:10:06 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12452.D

Injection Date:	23-Dec-2013 08:45:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206305/2 Calibration Date: 12/23/2013 08:45

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12452.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1-Dichloroethene	Ave	0.5120	0.4748		0.00927	0.0100	-7.3	20.0
Carbon disulfide	Ave	2.165	2.045		0.00944	0.0100	-5.6	50.0
Methylene Chloride	Lin1		0.3839		0.00976	0.0100	-2.4	35.0
Methyl tert-butyl ether	Ave	0.5933	0.5221		0.00880	0.0100	-12.0	35.0
trans-1,2-Dichloroethene	Ave	0.5097	0.4725		0.00927	0.0100	-7.3	35.0
1,1-Dichloroethane	Ave	0.9123	0.8482	0.1000	0.00930	0.0100	-7.0	35.0
cis-1,2-Dichloroethene	Ave	0.4592	0.4186		0.00912	0.0100	-8.8	35.0
2,2-Dichloropropane	Ave	0.7530	0.7800		0.0104	0.0100	3.6	35.0
Chlorobromomethane	Ave	0.1363	0.1252		0.00919	0.0100	-8.1	35.0
Chloroform	Ave	0.7550	0.7110		0.00942	0.0100	-5.8	20.0
1,1,1-Trichloroethane	Ave	0.8144	0.8052		0.00989	0.0100	-1.1	35.0
1,1-Dichloropropene	Ave	0.7106	0.6765		0.00952	0.0100	-4.8	35.0
Carbon tetrachloride	Ave	0.7355	0.7269		0.00988	0.0100	-1.2	20.0
1,2-Dichloroethane	Ave	0.3632	0.3394		0.00934	0.0100	-6.6	20.0
Benzene	Ave	1.829	1.693		0.00926	0.0100	-7.4	20.0
Trichloroethene	Ave	0.5105	0.4756		0.00931	0.0100	-6.9	20.0
1,2-Dichloropropane	Ave	0.4027	0.3667		0.00911	0.0100	-8.9	20.0
Dibromomethane	Ave	0.1287	0.1198		0.00931	0.0100	-6.9	35.0
Dichlorobromomethane	Ave	0.4383	0.4169		0.00951	0.0100	-4.9	35.0
cis-1,3-Dichloropropene	Ave	1.724	1.478		0.00857	0.0100	-14.3	35.0
Toluene	Ave	1.853	1.765		0.00953	0.0100	-4.7	20.0
trans-1,3-Dichloropropene	Ave	0.3597	0.3331		0.00926	0.0100	-7.4	35.0
1,1,2-Trichloroethane	Ave	0.1715	0.1545		0.00901	0.0100	-9.9	35.0
1,3-Dichloropropane	Ave	1.223	1.022		0.00836	0.0100	-16.4	35.0
Tetrachloroethene	Ave	1.437	1.280		0.00890	0.0100	-11.0	20.0
Chlorodibromomethane	Ave	0.7420	0.6385		0.00861	0.0100	-13.9	35.0
1,2-Dibromoethane	Ave	0.5682	0.4687		0.00825	0.0100	-17.5	35.0
Chlorobenzene	Ave	3.786	3.377	0.3000	0.00892	0.0100	-10.8	20.0
1,1,1,2-Tetrachloroethane	Ave	1.156	1.039		0.00899	0.0100	-10.1	35.0
Ethylbenzene	Ave	2.484	2.228		0.00897	0.0100	-10.3	50.0
m-Xylene & p-Xylene	Ave	2.959	2.744		0.00927	0.0100	-7.3	35.0
o-Xylene	Ave	2.657	2.446		0.00920	0.0100	-8.0	35.0
Styrene	Ave	3.460	3.148		0.00910	0.0100	-9.0	35.0
Bromoform	Ave	0.3311	0.3078	0.1000	0.00929	0.0100	-7.1	35.0
Isopropylbenzene	Ave	5.049	4.535		0.00898	0.0100	-10.2	35.0
1,1,2,2-Tetrachloroethane	Lin1		0.3256	0.3000	0.00899	0.0100	-10.1	35.0
1,2,3-Trichloropropane	Ave	0.1127	0.0929		0.00824	0.0100	-17.6	35.0
N-Propylbenzene	Ave	1.387	1.249		0.00901	0.0100	-9.9	35.0
Bromobenzene	Ave	0.8549	0.7556		0.00884	0.0100	-11.6	35.0
1,3,5-Trimethylbenzene	Ave	3.935	3.665		0.00931	0.0100	-6.9	35.0
2-Chlorotoluene	Ave	1.064	0.9510		0.00894	0.0100	-10.6	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206305/2 Calibration Date: 12/23/2013 08:45

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12452.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
4-Chlorotoluene	Ave	1.046	0.9346		0.00894	0.0100	-10.6	35.0
tert-Butylbenzene	Ave	4.071	3.705		0.00910	0.0100	-9.0	35.0
1,2,4-Trimethylbenzene	Ave	3.853	3.608		0.00936	0.0100	-6.4	35.0
sec-Butylbenzene	Ave	1.150	1.048		0.00911	0.0100	-8.9	35.0
4-Isopropyltoluene	Ave	4.642	4.360		0.00939	0.0100	-6.1	35.0
1,3-Dichlorobenzene	Ave	1.843	1.656		0.00898	0.0100	-10.2	35.0
1,4-Dichlorobenzene	Ave	1.757	1.585		0.00902	0.0100	-9.8	35.0
n-Butylbenzene	Ave	4.569	4.360		0.00954	0.0100	-4.6	35.0
1,2-Dichlorobenzene	Ave	1.459	1.288		0.00883	0.0100	-11.7	35.0
1,2-Dibromo-3-Chloropropane	Lin1		0.0487		0.00867	0.0100	-13.3	50.0
1,2,4-Trichlorobenzene	Ave	1.029	0.9385		0.00912	0.0100	-8.8	35.0
Hexachlorobutadiene	Lin1		0.8587		0.00993	0.0100	-0.7	35.0
Naphthalene	Ave	1.305	1.055		0.00809	0.0100	-19.1	35.0
1,2,3-Trichlorobenzene	Ave	0.8161	0.7111		0.00871	0.0100	-12.9	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12452.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 23-Dec-2013 08:45:30 ALS Bottle#: 11 Worklist Smp#: 2
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ccv m
Operator ID: wickhamt Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub91

Method: \\Denchrom\ChromData\VMS_C\20131223-18534.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 24-Dec-2013 07:10:06 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK051

First Level Reviewer: wickhamt Date: 23-Dec-2013 09:21:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.047	6.047	0.0	0	175651	250.0	
* 1 Fluorobenzene	96	8.027	8.027	0.0	98	1083922	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	73	318198	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.169	12.169	0.0	92	520401	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	59	323924	11.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.774	7.774	0.0	0	274859	11.4	
$ 7 Toluene-d8 (Surr)	98	9.184	9.184	0.0	95	1562392	11.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	86	515685	11.0	
36 Ethyl ether	59	5.506	5.506	0.0	95	150460	8.71	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.759	5.759	0.0	89	358757	9.23	
43 1,1-Dichloroethene	96	5.800	5.800	0.0	88	411752	9.27	
45 Iodomethane	142	5.982	5.982	0.0	98	586558	9.28	
46 Methyl acetate	43	6.000	6.000	0.0	90	360622	43.6	
47 3-Chloro-1-propene	41	6.058	6.058	0.0	74	779016	9.45	
48 Carbon disulfide	76	6.076	6.076	0.0	99	1773077	9.44	
49 2-Methyl-2-propanol	59	6.105	6.105	0.0	55	78628	75.3	
50 Methylene Chloride	84	6.146	6.146	0.0	89	332929	9.76	
51 Acrylonitrile	53	6.305	6.305	0.0	99	328414	86.8	
52 Methyl tert-butyl ether	73	6.329	6.329	0.0	97	452711	8.80	
53 trans-1,2-Dichloroethene	96	6.376	6.376	0.0	93	409686	9.27	
54 Hexane	57	6.540	6.540	0.0	95	760184	8.63	
55 Vinyl acetate	43	6.628	6.628	0.0	96	500951	20.9	
57 1,1-Dichloroethane	63	6.699	6.699	0.0	86	735528	9.30	
62 sec-Butyl Alcohol	45	7.122	7.122	0.0	65	180982	240.5	
64 cis-1,2-Dichloroethene	96	7.134	7.134	0.0	71	363007	9.12	
65 2,2-Dichloropropane	77	7.169	7.169	0.0	91	676370	10.4	
67 Chlorobromomethane	128	7.339	7.339	0.0	88	108589	9.19	
68 Chloroform	83	7.345	7.345	0.0	82	616535	9.42	
69 Tetrahydrofuran	42	7.374	7.374	0.0	88	51379	16.6	
70 Isobutyl alcohol	41	7.545	7.545	0.0	85	28494	211.2	
71 1,1,1-Trichloroethane	97	7.568	7.568	0.0	91	698216	9.89	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
72 Cyclohexane	56	7.645	7.645	0.0	95	882158	9.06	
73 1,1-Dichloropropene	75	7.668	7.668	0.0	88	586622	9.52	
74 Carbon tetrachloride	117	7.709	7.709	0.0	73	630340	9.88	
75 1,2-Dichloroethane	62	7.833	7.833	0.0	86	294282	9.34	
77 Benzene	78	7.850	7.850	0.0	97	1468128	9.26	
9 n-Heptane	43	7.921	7.921	0.0	95	865334	9.56	
79 Trichloroethene	95	8.303	8.303	0.0	93	412370	9.31	
80 2-Pentanone	43	8.344	8.344	0.0	98	353593	37.9	
82 1,2-Dichloropropane	63	8.485	8.485	0.0	64	317960	9.11	
83 Methylcyclohexane	55	8.491	8.491	0.0	91	715199	9.37	
84 1,4-Dioxane	88	8.538	8.538	0.0	42	15846	167.2	
85 Dibromomethane	93	8.585	8.585	0.0	84	103888	9.31	
86 Dichlorobromomethane	83	8.649	8.649	0.0	92	361526	9.51	
88 2-Chloroethyl vinyl ether	63	8.779	8.779	0.0	92	56350	9.57	
89 cis-1,3-Dichloropropene	75	8.961	8.961	0.0	86	376169	8.57	
91 Toluene	91	9.237	9.237	0.0	97	1530812	9.53	
92 Ethyl methacrylate	69	9.307	9.307	0.0	92	130182	7.85	
93 trans-1,3-Dichloropropene	75	9.331	9.331	0.0	93	288823	9.26	
94 1,1,2-Trichloroethane	97	9.496	9.496	0.0	88	133975	9.01	
96 1,3-Dichloropropane	76	9.631	9.631	0.0	96	260180	8.36	
97 Tetrachloroethene	164	9.660	9.660	0.0	89	325742	8.90	
98 Chlorodibromomethane	129	9.830	9.830	0.0	89	162539	8.61	
100 Ethylene Dibromide	107	9.966	9.966	0.0	99	119311	8.25	
101 1-Chlorohexane	91	10.183	10.183	0.0	93	582236	9.22	
102 Chlorobenzene	112	10.306	10.306	0.0	92	859575	8.92	
104 Ethylbenzene	106	10.342	10.342	0.0	90	567046	8.97	
103 1,1,1,2-Tetrachloroethane	131	10.342	10.342	0.0	34	264549	8.99	
105 m-Xylene & p-Xylene	106	10.418	10.418	0.0	100	698480	9.27	
109 o-Xylene	106	10.741	10.741	0.0	90	622542	9.20	
106 Styrene	104	10.741	10.741	0.0	83	801408	9.10	
107 Bromoform	173	10.958	10.958	0.0	77	78343	9.29	
108 Isopropylbenzene	105	11.005	11.005	0.0	97	1888195	8.98	
112 1,1,2,2-Tetrachloroethane	83	11.217	11.217	0.0	85	135561	8.99	
113 trans-1,4-Dichloro-2-butene	53	11.252	11.252	0.0	78	34323	8.03	
114 1,2,3-Trichloropropane	110	11.293	11.293	0.0	82	38662	8.24	
115 N-Propylbenzene	120	11.335	11.335	0.0	97	520058	9.01	
116 Bromobenzene	156	11.346	11.346	0.0	97	314562	8.84	
120 1,3,5-Trimethylbenzene	105	11.446	11.446	0.0	92	1525960	9.31	
117 2-Chlorotoluene	126	11.470	11.470	0.0	94	395900	8.94	
118 4-Chlorotoluene	126	11.546	11.546	0.0	99	389074	8.94	
119 tert-Butylbenzene	119	11.758	11.758	0.0	89	1542433	9.10	
121 1,2,4-Trimethylbenzene	105	11.787	11.787	0.0	98	1501937	9.36	
122 sec-Butylbenzene	134	11.946	11.946	0.0	95	436348	9.11	
123 4-Isopropyltoluene	119	12.040	12.040	0.0	96	1814965	9.39	
124 1,3-Dichlorobenzene	146	12.122	12.122	0.0	89	689227	8.98	
126 1,4-Dichlorobenzene	146	12.192	12.192	0.0	84	659919	9.02	
127 n-Butylbenzene	91	12.416	12.416	0.0	98	1815114	9.54	
128 1,2-Dichlorobenzene	146	12.568	12.568	0.0	95	536312	8.83	
129 1,2-Dibromo-3-Chloropropane	157	13.350	13.350	0.0	73	20258	8.67	
130 1,2,4-Trichlorobenzene	180	14.355	14.355	0.0	93	390701	9.12	
131 Hexachlorobutadiene	225	14.507	14.507	0.0	95	357505	9.93	
132 Naphthalene	128	14.748	14.748	0.0	97	439327	8.09	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
133 1,2,3-Trichlorobenzene	180	15.089	15.089	0.0	93	296052	8.71	
S 140 1,2-Dichloroethene, Total (URS)	96				0		18.4	
S 137 Total BTEX	1				0		46.2	
S 138 Xylenes, Total	106				0		18.5	
S 139 Xylenes, Total (URS)	1				0		18.5	
S 134 Trihalomethanes, Total	1				0		36.8	
S 135 1,3-Dichloropropene, Total	1				0		17.8	
S 136 1,2-Dichloroethene, Total	1				0		18.4	

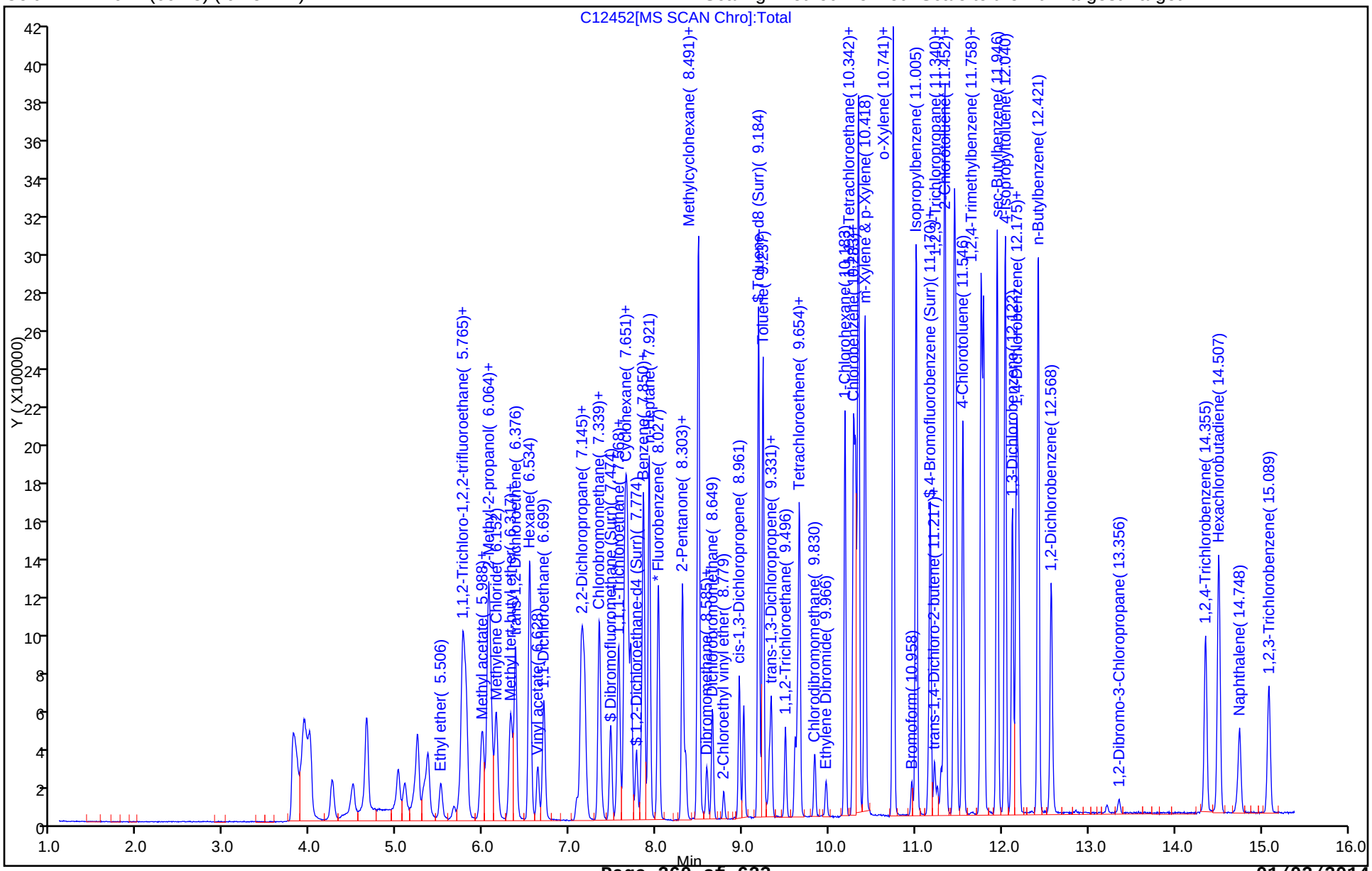
Report Date: 24-Dec-2013 07:10:06 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12452.D

Injection Date:	23-Dec-2013 08:45:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206305/9 Calibration Date: 12/23/2013 09:25

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12454.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5970	0.5122		0.00858	0.0100	-14.2	50.0
Chloromethane	Ave	0.4737	0.4104	0.1000	0.00866	0.0100	-13.4	35.0
Vinyl chloride	Ave	0.4705	0.4193		0.00891	0.0100	-10.9	20.0
Bromomethane	Ave	0.3242	0.2907		0.00897	0.0100	-10.3	35.0
Chloroethane	Ave	0.2503	0.2444		0.00976	0.0100	-2.4	35.0
Trichlorofluoromethane	Ave	0.8487	0.7692		0.00906	0.0100	-9.4	50.0
Acetone	Ave	0.0424	0.0350		0.0330	0.0400	-17.5	50.0
2-Butanone (MEK)	Ave	0.0650	0.0469		0.0289	0.0400	-27.8*	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1188	0.1035		0.0348	0.0400	-12.9	50.0
2-Hexanone	Ave	0.2988	0.2413		0.0323	0.0400	-19.2	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12454.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 23-Dec-2013 09:25:30 ALS Bottle#: 13 Worklist Smp#: 9
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ccv g3>g4
Operator ID: wickhamt Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub73

Method: \\Denchrom\ChromData\VMS_C\20131223-18534.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 24-Dec-2013 07:10:08 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK051

First Level Reviewer: wickhamt Date: 23-Dec-2013 09:50:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	176115	250.0	
* 1 Fluorobenzene	96	8.027	8.027	0.0	98	1118686	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	87	326702	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.169	12.169	0.0	97	489577	12.5	
24 Dichlorodifluoromethane	85	4.249	4.249	0.0	88	458433	8.58	
26 Chloromethane	50	4.490	4.490	0.0	89	367289	8.66	
27 Vinyl chloride	62	4.643	4.643	0.0	83	375264	8.91	
147 Butadiene	54	4.660	4.660	0.0	95	308669	8.61	
29 Bromomethane	94	5.013	5.013	0.0	90	260139	8.97	
31 Chloroethane	64	5.095	5.095	0.0	99	218741	9.76	
32 Dichlorofluoromethane	67	5.242	5.242	0.0	79	825619	10.1	
33 Trichlorofluoromethane	101	5.354	5.354	0.0	84	688425	9.06	
39 Acrolein	56	5.659	5.659	0.0	90	94737	95.8	
40 Acetone	43	5.765	5.765	0.0	92	125252	33.0	
61 2-Butanone (MEK)	43	7.081	7.081	0.0	99	167987	28.9	
90 4-Methyl-2-pentanone (MIBK)	43	9.014	9.014	0.0	99	370584	34.8	
95 2-Hexanone	43	9.607	9.607	0.0	98	252295	32.3	
111 Cyclohexanone	55	11.153	11.153	0.0	87	112568	316.6	

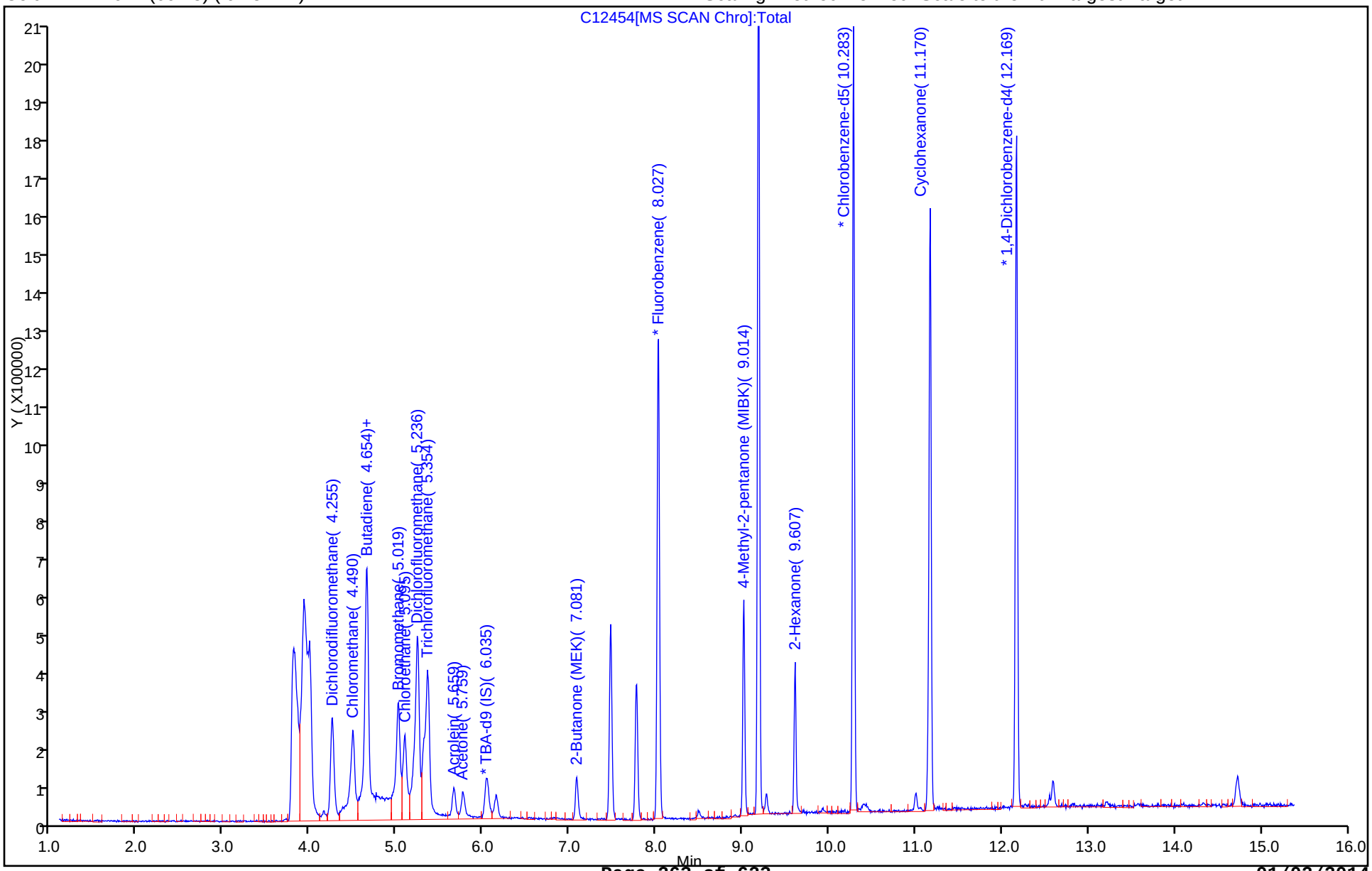
Report Date: 24-Dec-2013 07:10:08 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12454.D

Injection Date:	23-Dec-2013 09:25:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206305/10 Calibration Date: 12/23/2013 09:45

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12455.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5970	0.6334		0.0106	0.0100	6.1	50.0
Chloromethane	Ave	0.4737	0.4723	0.1000	0.00997	0.0100	-0.3	35.0
Vinyl chloride	Ave	0.4705	0.5044		0.0107	0.0100	7.2	20.0
Bromomethane	Ave	0.3242	0.3580		0.0110	0.0100	10.4	35.0
Chloroethane	Ave	0.2503	0.2864		0.0114	0.0100	14.4	35.0
Trichlorofluoromethane	Ave	0.8487	0.9283		0.0109	0.0100	9.4	50.0
Acetone	Ave	0.0424	0.0393		0.0371	0.0400	-7.3	50.0
2-Butanone (MEK)	Ave	0.0650	0.0520		0.0320	0.0400	-20.0	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1188	0.1236		0.0416	0.0400	4.0	50.0
2-Hexanone	Ave	0.2988	0.2712		0.0363	0.0400	-9.2	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12455.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 23-Dec-2013 09:45:30 ALS Bottle#: 14 Worklist Smp#: 10
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ccv g3>g4 confirm
Operator ID: wickhamt Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub73

Method: \\Denchrom\ChromData\VMS_C\20131223-18534.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 24-Dec-2013 07:10:09 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK051

First Level Reviewer: wickhamt Date: 23-Dec-2013 10:24:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.036	6.036	0.0	0	151696	250.0	
* 1 Fluorobenzene	96	8.021	8.021	0.0	98	962717	12.5	
* 2 Chlorobenzene-d5	119	10.284	10.284	0.0	87	289574	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.164	12.164	0.0	97	430465	12.5	
24 Dichlorodifluoromethane	85	4.244	4.244	0.0	87	487840	10.6	
26 Chloromethane	50	4.484	4.484	0.0	88	363770	9.97	
27 Vinyl chloride	62	4.631	4.631	0.0	83	388467	10.7	
147 Butadiene	54	4.649	4.649	0.0	96	308281	9.99	
29 Bromomethane	94	5.007	5.007	0.0	91	275696	11.0	
31 Chloroethane	64	5.084	5.084	0.0	94	220551	11.4	
32 Dichlorofluoromethane	67	5.231	5.231	0.0	79	808437	11.5	
33 Trichlorofluoromethane	101	5.354	5.354	0.0	86	714976	10.9	
39 Acrolein	56	5.654	5.654	0.0	90	90506	106.3	
40 Acetone	43	5.754	5.754	0.0	97	121163	37.1	
61 2-Butanone (MEK)	43	7.076	7.076	0.0	100	160227	32.0	
90 4-Methyl-2-pentanone (MIBK)	43	9.009	9.009	0.0	99	380659	41.6	
95 2-Hexanone	43	9.602	9.602	0.0	99	251318	36.3	
111 Cyclohexanone	55	11.153	11.153	0.0	91	113787	361.1	

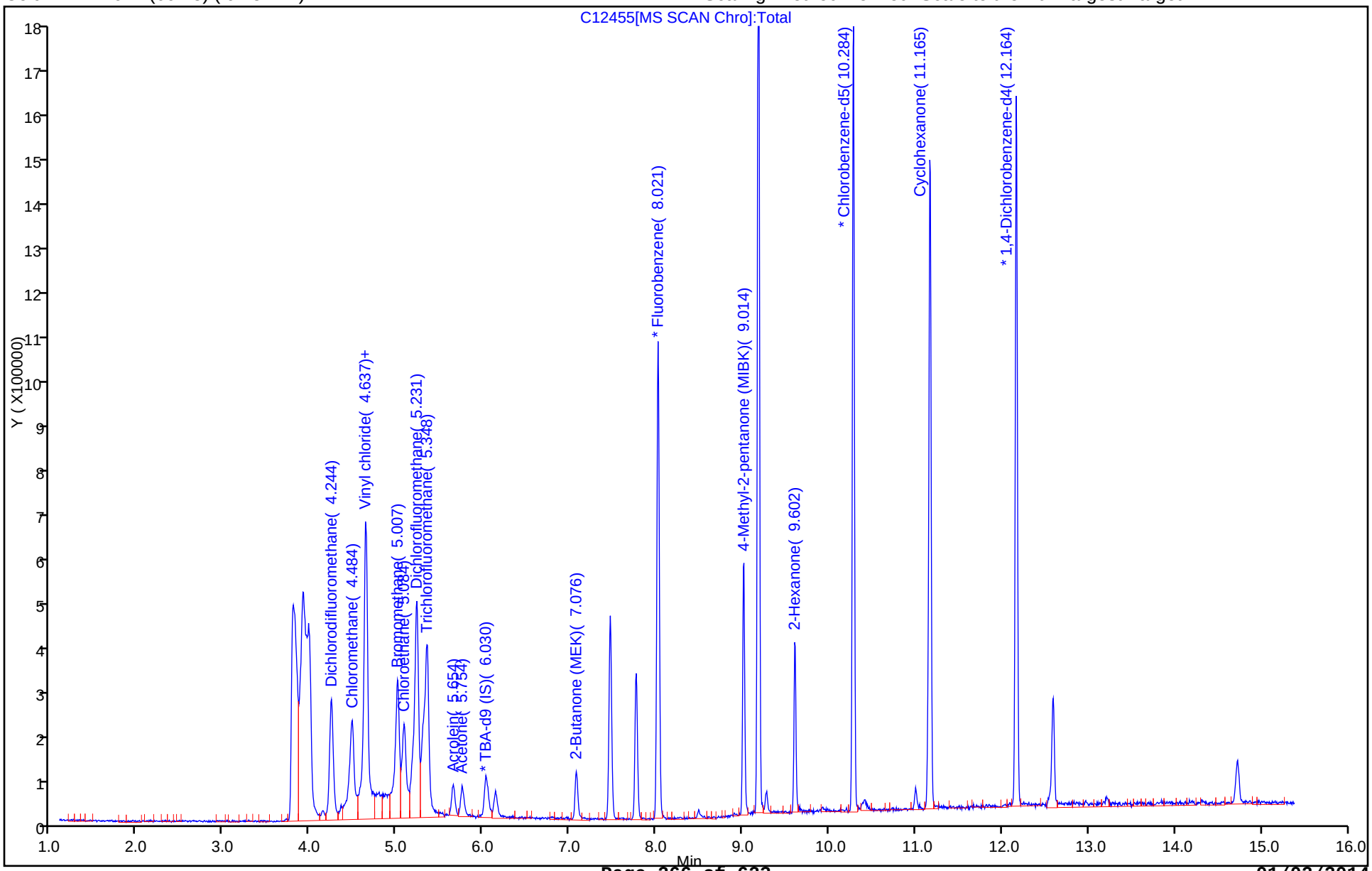
Report Date: 24-Dec-2013 07:10:09 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12455.D

Injection Date:	23-Dec-2013 09:45:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	10
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206457/2 Calibration Date: 12/24/2013 07:39

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12485.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.5970	0.5473		0.00917	0.0100	-8.3	50.0
Chloromethane	Ave	0.4737	0.4075	0.1000	0.00860	0.0100	-14.0	35.0
Vinyl chloride	Ave	0.4705	0.4274		0.00908	0.0100	-9.2	20.0
Bromomethane	Ave	0.3242	0.3107		0.00958	0.0100	-4.2	35.0
Chloroethane	Ave	0.2503	0.2518		0.0101	0.0100	0.6	35.0
Trichlorofluoromethane	Ave	0.8487	0.7985		0.00941	0.0100	-5.9	50.0
Acetone	Ave	0.0424	0.0388		0.0365	0.0400	-8.7	50.0
1,1-Dichloroethene	Ave	0.5120	0.5008		0.00978	0.0100	-2.2	20.0
Carbon disulfide	Ave	2.165	2.143		0.00990	0.0100	-1.0	50.0
Methylene Chloride	Lin1		0.4007		0.0102	0.0100	2.3	35.0
Methyl tert-butyl ether	Ave	0.5933	0.5435		0.00916	0.0100	-8.4	35.0
trans-1,2-Dichloroethene	Ave	0.5097	0.4947		0.00971	0.0100	-2.9	35.0
1,1-Dichloroethane	Ave	0.9123	0.8844	0.1000	0.00969	0.0100	-3.1	35.0
2-Butanone (MEK)	Ave	0.0650	0.0598		0.0368	0.0400	-7.9	20.0
cis-1,2-Dichloroethene	Ave	0.4592	0.4425		0.00964	0.0100	-3.6	35.0
2,2-Dichloropropane	Ave	0.7530	0.8208		0.0109	0.0100	9.0	35.0
Chlorobromomethane	Ave	0.1363	0.1312		0.00963	0.0100	-3.7	35.0
Chloroform	Ave	0.7550	0.7383		0.00978	0.0100	-2.2	20.0
1,1,1-Trichloroethane	Ave	0.8144	0.8503		0.0104	0.0100	4.4	35.0
1,1-Dichloropropene	Ave	0.7106	0.7210		0.0101	0.0100	1.5	35.0
Carbon tetrachloride	Ave	0.7355	0.7721		0.0105	0.0100	5.0	20.0
1,2-Dichloroethane	Ave	0.3632	0.3573		0.00984	0.0100	-1.6	20.0
Benzene	Ave	1.829	1.747		0.00955	0.0100	-4.5	20.0
Trichloroethene	Ave	0.5105	0.4882		0.00956	0.0100	-4.4	20.0
1,2-Dichloropropane	Ave	0.4027	0.3841		0.00954	0.0100	-4.6	20.0
Dibromomethane	Ave	0.1287	0.1239		0.00962	0.0100	-3.8	35.0
Dichlorobromomethane	Ave	0.4383	0.4326		0.00987	0.0100	-1.3	35.0
cis-1,3-Dichloropropene	Ave	1.724	1.475		0.00855	0.0100	-14.5	35.0
4-Methyl-2-pentanone (MIBK)	Ave	0.1188	0.1109		0.0373	0.0400	-6.7	50.0
Toluene	Ave	1.853	1.818		0.00981	0.0100	-1.9	20.0
trans-1,3-Dichloropropene	Ave	0.3597	0.3262		0.00907	0.0100	-9.3	35.0
1,1,2-Trichloroethane	Ave	0.1715	0.1541		0.00899	0.0100	-10.1	35.0
2-Hexanone	Ave	0.2988	0.2385		0.0319	0.0400	-20.2	50.0
1,3-Dichloropropane	Ave	1.223	1.060		0.00867	0.0100	-13.3	35.0
Tetrachloroethene	Ave	1.437	1.322		0.00920	0.0100	-8.0	20.0
Chlorodibromomethane	Ave	0.7420	0.6775		0.00913	0.0100	-8.7	35.0
1,2-Dibromoethane	Ave	0.5682	0.4763		0.00838	0.0100	-16.2	35.0
Chlorobenzene	Ave	3.786	3.470	0.3000	0.00916	0.0100	-8.4	20.0
1,1,1,2-Tetrachloroethane	Ave	1.156	1.097		0.00949	0.0100	-5.1	35.0
Ethylbenzene	Ave	2.484	2.284		0.00919	0.0100	-8.1	50.0
m-Xylene & p-Xylene	Ave	2.959	2.731		0.00923	0.0100	-7.7	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206457/2 Calibration Date: 12/24/2013 07:39

Instrument ID: VMS_C Calib Start Date: 12/20/2013 00:37

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/20/2013 02:36

Lab File ID: C12485.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
o-Xylene	Ave	2.657	2.516		0.00947	0.0100	-5.3	35.0
Styrene	Ave	3.460	3.222		0.00931	0.0100	-6.9	35.0
Bromoform	Ave	0.3311	0.3031	0.1000	0.00915	0.0100	-8.5	35.0
Isopropylbenzene	Ave	5.049	4.423		0.00876	0.0100	-12.4	35.0
1,1,2,2-Tetrachloroethane	Lin1		0.3057	0.3000	0.00842	0.0100	-15.8	35.0
1,2,3-Trichloropropane	Ave	0.1127	0.0886		0.00786	0.0100	-21.4	35.0
N-Propylbenzene	Ave	1.387	1.255		0.00905	0.0100	-9.5	35.0
Bromobenzene	Ave	0.8549	0.7273		0.00851	0.0100	-14.9	35.0
1,3,5-Trimethylbenzene	Ave	3.935	3.588		0.00912	0.0100	-8.8	35.0
2-Chlorotoluene	Ave	1.064	0.9571		0.00900	0.0100	-10.0	35.0
4-Chlorotoluene	Ave	1.046	0.9589		0.00917	0.0100	-8.3	35.0
tert-Butylbenzene	Ave	4.071	3.676		0.00903	0.0100	-9.7	35.0
1,2,4-Trimethylbenzene	Ave	3.853	3.546		0.00920	0.0100	-8.0	35.0
sec-Butylbenzene	Ave	1.150	1.037		0.00902	0.0100	-9.8	35.0
4-Isopropyltoluene	Ave	4.642	4.308		0.00928	0.0100	-7.2	35.0
1,3-Dichlorobenzene	Ave	1.843	1.683		0.00913	0.0100	-8.7	35.0
1,4-Dichlorobenzene	Ave	1.757	1.586		0.00903	0.0100	-9.7	35.0
n-Butylbenzene	Ave	4.569	4.401		0.00963	0.0100	-3.7	35.0
1,2-Dichlorobenzene	Ave	1.459	1.276		0.00875	0.0100	-12.5	35.0
1,2-Dibromo-3-Chloropropane	Lin1		0.0448		0.00799	0.0100	-20.1	50.0
1,2,4-Trichlorobenzene	Ave	1.029	0.9271		0.00901	0.0100	-9.9	35.0
Hexachlorobutadiene	Lin1		0.8704		0.0101	0.0100	0.6	35.0
Naphthalene	Ave	1.305	1.022		0.00784	0.0100	-21.6	35.0
1,2,3-Trichlorobenzene	Ave	0.8161	0.7165		0.00878	0.0100	-12.2	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12485.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 24-Dec-2013 07:39:30 ALS Bottle#: 11 Worklist Smp#: 2
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ccv m
Operator ID: wickhamt Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub67

Method: \\Denchrom\ChromData\VMS_C\20131224-18567.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 26-Dec-2013 07:35:16 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK052

First Level Reviewer: wickhamt Date: 24-Dec-2013 08:16:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	168780	250.0	
* 1 Fluorobenzene	96	8.021	8.021	0.0	98	977919	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	80	285858	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.169	12.169	0.0	93	488203	12.5	
24 Dichlorodifluoromethane	85	4.243	4.243	0.0	87	428206	9.17	
26 Chloromethane	50	4.478	4.478	0.0	89	318785	8.60	
27 Vinyl chloride	62	4.631	4.631	0.0	83	334389	9.08	
147 Butadiene	54	4.642	4.642	0.0	89	271264	8.65	
29 Bromomethane	94	5.007	5.007	0.0	89	243032	9.58	
31 Chloroethane	64	5.089	5.089	0.0	94	197013	10.1	
32 Dichlorofluoromethane	67	5.230	5.230	0.0	79	738880	10.3	
33 Trichlorofluoromethane	101	5.347	5.347	0.0	86	624698	9.41	
36 Ethyl ether	59	5.494	5.494	0.0	96	142640	9.15	
39 Acrolein	56	5.659	5.659	0.0	94	82422	95.3	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.753	5.753	0.0	89	349304	9.96	
40 Acetone	43	5.753	5.753	0.0	38	121260	36.5	
43 1,1-Dichloroethene	96	5.788	5.788	0.0	87	391792	9.78	
45 Iodomethane	142	5.970	5.970	0.0	99	543946	9.54	
46 Methyl acetate	43	5.994	5.994	0.0	90	348411	46.7	
47 3-Chloro-1-propene	41	6.047	6.047	0.0	77	734393	9.88	
48 Carbon disulfide	76	6.070	6.070	0.0	99	1676552	9.90	
49 2-Methyl-2-propanol	59	6.105	6.105	0.0	53	82580	82.3	
50 Methylene Chloride	84	6.147	6.147	0.0	89	313475	10.2	
51 Acrylonitrile	53	6.299	6.299	0.0	99	308444	90.3	
52 Methyl tert-butyl ether	73	6.323	6.323	0.0	92	425164	9.16	
53 trans-1,2-Dichloroethene	96	6.370	6.370	0.0	92	387029	9.71	
54 Hexane	57	6.528	6.528	0.0	95	716280	9.05	
55 Vinyl acetate	43	6.628	6.628	0.0	97	453819	21.0	
57 1,1-Dichloroethane	63	6.693	6.693	0.0	86	691916	9.69	
61 2-Butanone (MEK)	43	7.075	7.075	0.0	94	187251	36.8	
62 sec-Butyl Alcohol	45	7.116	7.116	0.0	74	167369	231.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
64 cis-1,2-Dichloroethene	96	7.128	7.128	0.0	71	346181	9.64	
65 2,2-Dichloropropane	77	7.163	7.163	0.0	92	642122	10.9	
67 Chlorobromomethane	128	7.333	7.333	0.0	83	102644	9.63	
68 Chloroform	83	7.339	7.339	0.0	81	577563	9.78	
69 Tetrahydrofuran	42	7.369	7.369	0.0	90	46433	16.6	
70 Isobutyl alcohol	41	7.527	7.527	0.0	70	25471	194.4	
71 1,1,1-Trichloroethane	97	7.562	7.562	0.0	91	665193	10.4	
72 Cyclohexane	56	7.633	7.633	0.0	95	850103	9.68	
73 1,1-Dichloropropene	75	7.662	7.662	0.0	88	564063	10.1	
74 Carbon tetrachloride	117	7.704	7.704	0.0	70	604022	10.5	
75 1,2-Dichloroethane	62	7.833	7.833	0.0	85	279530	9.84	
77 Benzene	78	7.850	7.850	0.0	98	1366378	9.55	
9 n-Heptane	43	7.915	7.915	0.0	93	801119	9.81	
79 Trichloroethene	95	8.303	8.303	0.0	93	381910	9.56	
80 2-Pentanone	43	8.338	8.338	0.0	97	328934	39.0	
83 Methylcyclohexane	55	8.485	8.485	0.0	91	681002	9.89	
82 1,2-Dichloropropane	63	8.485	8.485	0.0	88	300455	9.54	
84 1,4-Dioxane	88	8.538	8.538	0.0	28	15378	179.2	
85 Dibromomethane	93	8.579	8.579	0.0	84	96903	9.62	
86 Dichlorobromomethane	83	8.649	8.649	0.0	92	338413	9.87	
88 2-Chloroethyl vinyl ether	63	8.779	8.779	0.0	91	48201	9.07	
89 cis-1,3-Dichloropropene	75	8.961	8.961	0.0	86	337328	8.55	
90 4-Methyl-2-pentanone (MIBK)	43	9.008	9.008	0.0	98	347069	37.3	
91 Toluene	91	9.231	9.231	0.0	97	1422272	9.81	
92 Ethyl methacrylate	69	9.308	9.308	0.0	93	115229	7.73	
93 trans-1,3-Dichloropropene	75	9.325	9.325	0.0	94	255207	9.07	
94 1,1,2-Trichloroethane	97	9.496	9.496	0.0	90	120555	8.99	
95 2-Hexanone	43	9.601	9.601	0.0	97	218199	31.9	
96 1,3-Dichloropropane	76	9.637	9.637	0.0	93	242371	8.67	
97 Tetrachloroethene	164	9.654	9.654	0.0	90	302274	9.20	
98 Chlorodibromomethane	129	9.830	9.830	0.0	87	154923	9.13	
100 Ethylene Dibromide	107	9.966	9.966	0.0	96	108917	8.38	
101 1-Chlorohexane	91	10.183	10.183	0.0	92	523938	9.23	
102 Chlorobenzene	112	10.306	10.306	0.0	91	793535	9.16	
104 Ethylbenzene	106	10.336	10.336	0.0	92	522280	9.19	
103 1,1,1,2-Tetrachloroethane	131	10.336	10.336	0.0	33	250786	9.49	
105 m-Xylene & p-Xylene	106	10.412	10.412	0.0	100	624652	9.23	
109 o-Xylene	106	10.741	10.741	0.0	90	575384	9.47	
106 Styrene	104	10.741	10.741	0.0	83	736794	9.31	
107 Bromoform	173	10.959	10.959	0.0	75	69318	9.15	
108 Isopropylbenzene	105	11.006	11.006	0.0	97	1727268	8.76	
111 Cyclohexanone	55	11.147	11.147	0.0	87	108027	347.3	
112 1,1,2,2-Tetrachloroethane	83	11.217	11.217	0.0	83	119404	8.42	
113 trans-1,4-Dichloro-2-butene	53	11.252	11.252	0.0	88	32975	8.23	
114 1,2,3-Trichloropropane	110	11.293	11.293	0.0	69	34585	7.86	
115 N-Propylbenzene	120	11.335	11.335	0.0	98	490153	9.05	
116 Bromobenzene	156	11.346	11.346	0.0	97	284053	8.51	
120 1,3,5-Trimethylbenzene	105	11.446	11.446	0.0	94	1401179	9.12	
117 2-Chlorotoluene	126	11.470	11.470	0.0	95	373800	9.00	
118 4-Chlorotoluene	126	11.546	11.546	0.0	99	374527	9.17	
119 tert-Butylbenzene	119	11.758	11.758	0.0	93	1435725	9.03	
121 1,2,4-Trimethylbenzene	105	11.787	11.787	0.0	99	1385103	9.20	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
122 sec-Butylbenzene	134	11.940	11.940	0.0	95	405007	9.02	
123 4-Isopropyltoluene	119	12.034	12.034	0.0	97	1682634	9.28	
124 1,3-Dichlorobenzene	146	12.116	12.116	0.0	89	657353	9.13	
126 1,4-Dichlorobenzene	146	12.192	12.192	0.0	92	619467	9.03	
127 n-Butylbenzene	91	12.416	12.416	0.0	98	1718829	9.63	
128 1,2-Dichlorobenzene	146	12.568	12.568	0.0	95	498535	8.75	
129 1,2-Dibromo-3-Chloropropane	157	13.350	13.350	0.0	65	17504	7.99	
130 1,2,4-Trichlorobenzene	180	14.355	14.355	0.0	93	362103	9.01	
131 Hexachlorobutadiene	225	14.507	14.507	0.0	95	339936	10.1	
132 Naphthalene	128	14.748	14.748	0.0	98	399264	7.84	
133 1,2,3-Trichlorobenzene	180	15.089	15.089	0.0	94	279821	8.78	
S 140 1,2-Dichloroethene, Total (URS)	96				0		19.3	
S 137 Total BTEX	1				0		47.3	
S 138 Xylenes, Total	106				0		18.7	
S 139 Xylenes, Total (URS)	1				0		18.7	
S 134 Trihalomethanes, Total	1				0		37.9	
S 135 1,3-Dichloropropene, Total	1				0		17.6	
S 136 1,2-Dichloroethene, Total	1				0		19.3	

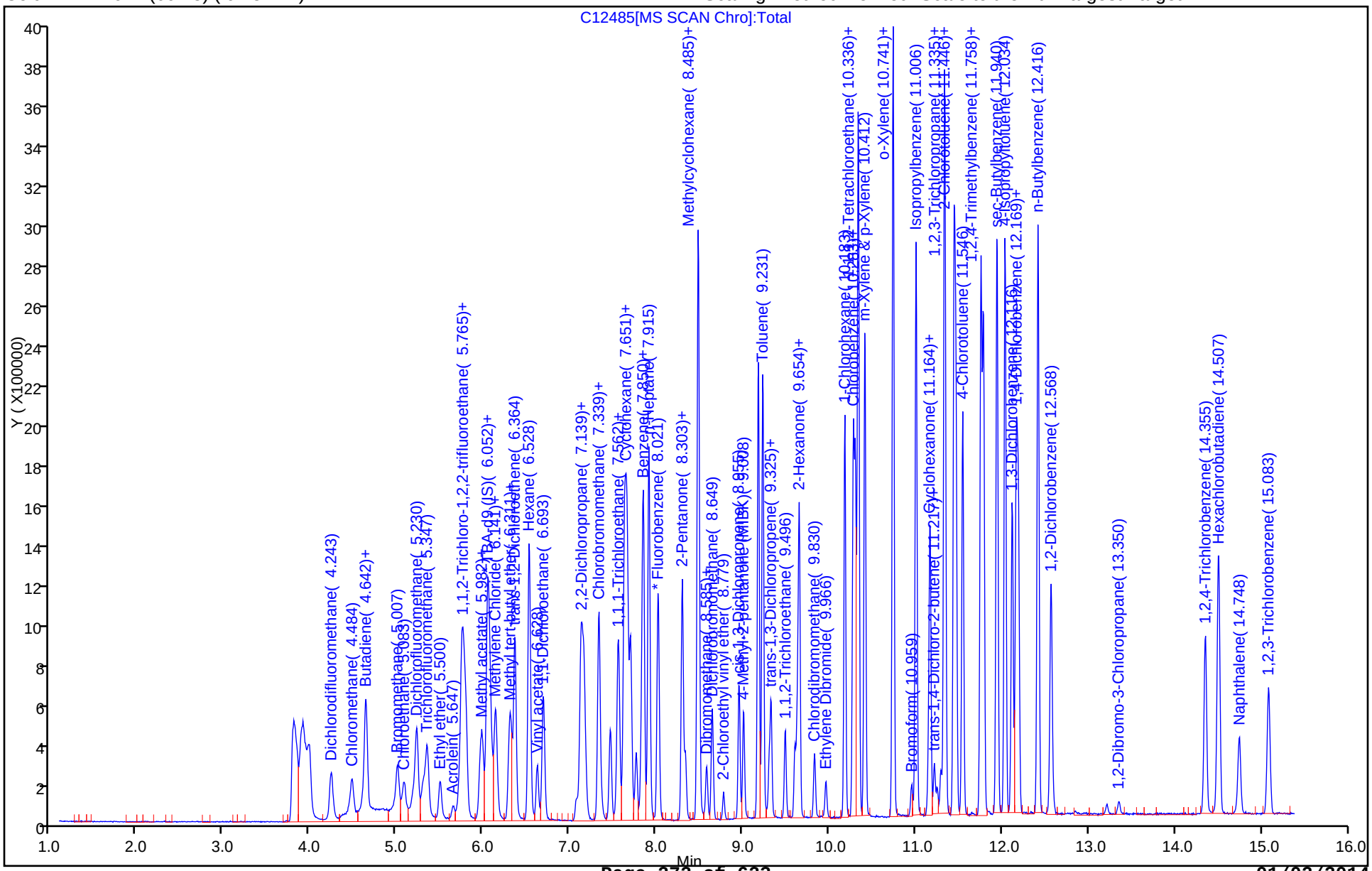
Report Date: 26-Dec-2013 07:35:17 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12485.D

Injection Date:	24-Dec-2013 07:39:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206457/3 Calibration Date: 12/24/2013 07:59

Instrument ID: VMS_C Calib Start Date: 12/06/2013 20:38

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/06/2013 22:18

Lab File ID: C12486.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Isopropyl ether	Lin2		31022		0.00928	0.0100	-7.2	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12486.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 24-Dec-2013 07:59:30 ALS Bottle#: 12 Worklist Smp#: 3
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ccv s
Operator ID: wickhamt Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub68

Method: \\Denchrom\ChromData\VMS_C\20131224-18567.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 26-Dec-2013 07:35:17 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK052

First Level Reviewer: wickhamt Date: 24-Dec-2013 08:16:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	156399	250.0	
* 1 Fluorobenzene	96	8.027	8.027	0.0	98	896457	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	88	267016	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.169	12.169	0.0	97	456139	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.469	7.469	0.0	80	302562	13.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.769	7.769	0.0	0	255208	12.8	
$ 7 Toluene-d8 (Surr)	98	9.185	9.185	0.0	94	1316245	11.5	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	86	458490	11.1	
28 Ethylene oxide	43	4.954	4.954	0.0	100	857418	3355.5	
34 Ethanol	45	5.365	5.365	0.0	91	53961	503.1	
38 Propene oxide	58	5.618	5.618	0.0	95	1031621	694.6	
41 Isopropyl alcohol	45	5.783	5.783	0.0	93	55322	100.1	
44 Acetonitrile	41	6.000	6.000	0.0	98	113537	145.9	
56 Isopropyl ether	87	6.646	6.646	0.0	94	194073	9.28	
58 2-Chloro-1,3-butadiene	53	6.770	6.770	0.0	91	632249	14.2	
59 Tert-butyl ethyl ether	59	6.922	6.922	0.0	98	622119	13.5	
60 Ethyl acetate	43	7.063	7.063	0.0	98	95673	26.9	
63 Propionitrile	54	7.140	7.140	0.0	98	108393	138.1	
66 Methacrylonitrile	41	7.269	7.269	0.0	95	586771	139.2	
76 Tert-amyl methyl ether	73	7.833	7.833	0.0	95	425358	12.6	
78 n-Butanol	56	8.039	8.039	0.0	92	53800	187.9	
148 Ethyl acrylate	55	8.239	8.239	0.0	100	93686	7.29	
81 Methyl methacrylate	100	8.421	8.421	0.0	92	37685	22.2	
87 2-Nitropropane	41	8.785	8.785	0.0	99	37586	25.2	
144 n-Butyl acetate	43	9.643	9.643	0.0	97	79895	7.67	
99 Tetrahydrothiophene	60	9.884	9.884	0.0	91	27786	5.59	
110 cis-1,4-Dichloro-2-butene	53	11.041	11.041	0.0	89	27684	7.00	
125 1,2,3-Trimethylbenzene	105	12.187	12.187	0.0	99	1164937	9.26	
146 Benzyl chloride	126	12.281	12.281	0.0	99	45261	11.5	
21 1,3,5-Trichlorobenzene	180	13.573	13.573	0.0	96	501258	9.80	

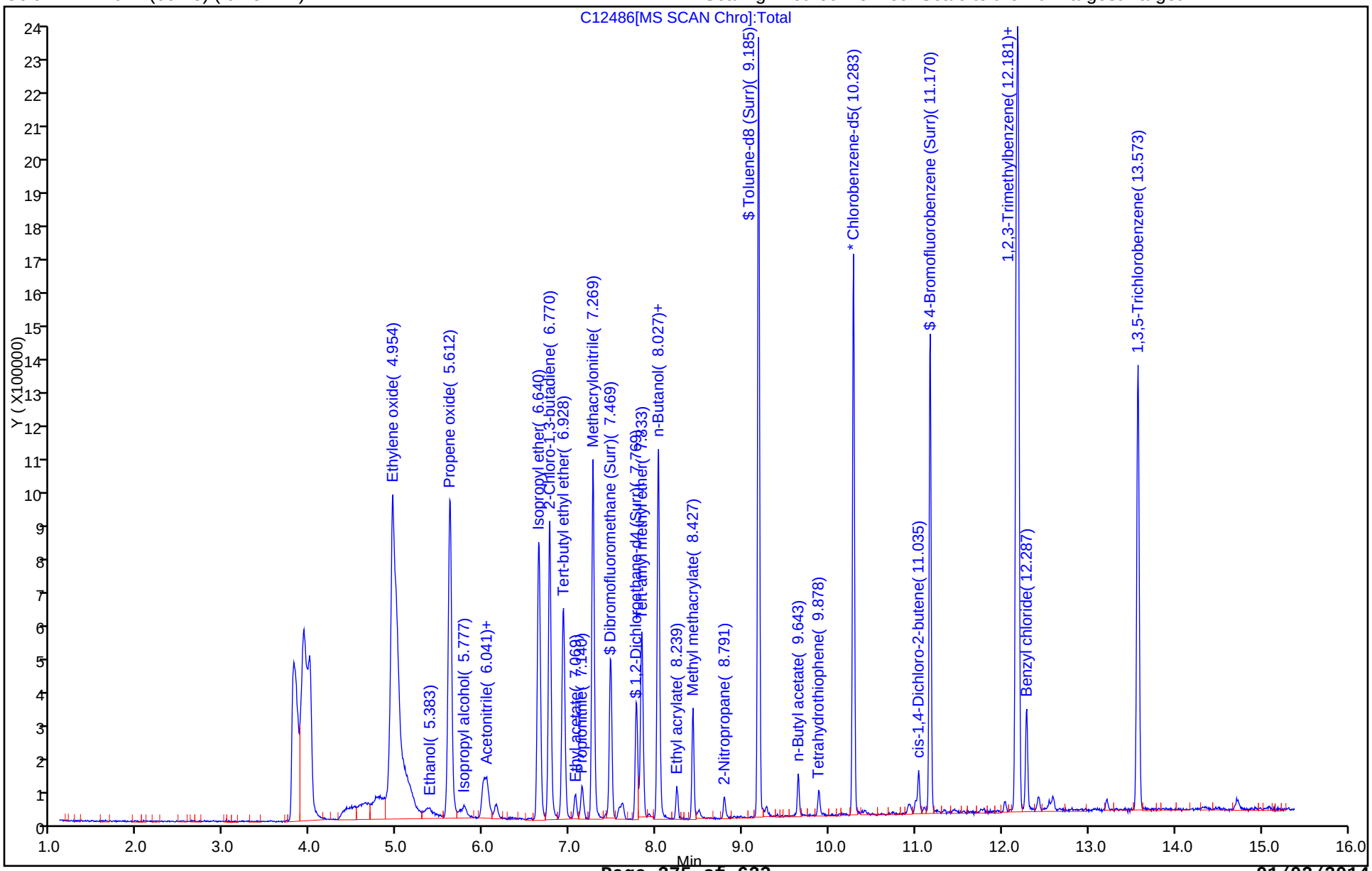
Report Date: 26-Dec-2013 07:35:18 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12486.D

Injection Date:	24-Dec-2013 07:59:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206457/3 Calibration Date: 12/24/2013 07:59

Instrument ID: VMS_C Calib Start Date: 12/19/2013 21:39

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 12/19/2013 23:18

Lab File ID: C12486.D Conc. Units: mg/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.3199	0.3375		0.0132	0.0125	5.5	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2788	0.2847		0.0128	0.0125	2.1	20.0
Toluene-d8 (Surr)	Ave	5.374	4.929		0.0115	0.0125	-8.3	20.0
4-Bromofluorobenzene (Surr)	Ave	1.128	1.005		0.0111	0.0125	-10.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12486.D
Lims ID: ccv Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 24-Dec-2013 07:59:30 ALS Bottle#: 12 Worklist Smp#: 3
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ccv s
Operator ID: wickhamt Instrument ID: VMS_C
Sublist: chrom-AQ_VMSC_8260*sub68

Method: \\Denchrom\ChromData\VMS_C\20131224-18567.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 26-Dec-2013 07:35:17 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK052

First Level Reviewer: wickhamt Date: 24-Dec-2013 08:16:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	156399	250.0	
* 1 Fluorobenzene	96	8.027	8.027	0.0	98	896457	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	88	267016	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.169	12.169	0.0	97	456139	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.469	7.469	0.0	80	302562	13.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.769	7.769	0.0	0	255208	12.8	
$ 7 Toluene-d8 (Surr)	98	9.185	9.185	0.0	94	1316245	11.5	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	86	458490	11.1	
28 Ethylene oxide	43	4.954	4.954	0.0	100	857418	3355.5	
34 Ethanol	45	5.365	5.365	0.0	91	53961	503.1	
38 Propene oxide	58	5.618	5.618	0.0	95	1031621	694.6	
41 Isopropyl alcohol	45	5.783	5.783	0.0	93	55322	100.1	
44 Acetonitrile	41	6.000	6.000	0.0	98	113537	145.9	
56 Isopropyl ether	87	6.646	6.646	0.0	94	194073	9.28	
58 2-Chloro-1,3-butadiene	53	6.770	6.770	0.0	91	632249	14.2	
59 Tert-butyl ethyl ether	59	6.922	6.922	0.0	98	622119	13.5	
60 Ethyl acetate	43	7.063	7.063	0.0	98	95673	26.9	
63 Propionitrile	54	7.140	7.140	0.0	98	108393	138.1	
66 Methacrylonitrile	41	7.269	7.269	0.0	95	586771	139.2	
76 Tert-amyl methyl ether	73	7.833	7.833	0.0	95	425358	12.6	
78 n-Butanol	56	8.039	8.039	0.0	92	53800	187.9	
148 Ethyl acrylate	55	8.239	8.239	0.0	100	93686	7.29	
81 Methyl methacrylate	100	8.421	8.421	0.0	92	37685	22.2	
87 2-Nitropropane	41	8.785	8.785	0.0	99	37586	25.2	
144 n-Butyl acetate	43	9.643	9.643	0.0	97	79895	7.67	
99 Tetrahydrothiophene	60	9.884	9.884	0.0	91	27786	5.59	
110 cis-1,4-Dichloro-2-butene	53	11.041	11.041	0.0	89	27684	7.00	
125 1,2,3-Trimethylbenzene	105	12.187	12.187	0.0	99	1164937	9.26	
146 Benzyl chloride	126	12.281	12.281	0.0	99	45261	11.5	
21 1,3,5-Trichlorobenzene	180	13.573	13.573	0.0	96	501258	9.80	

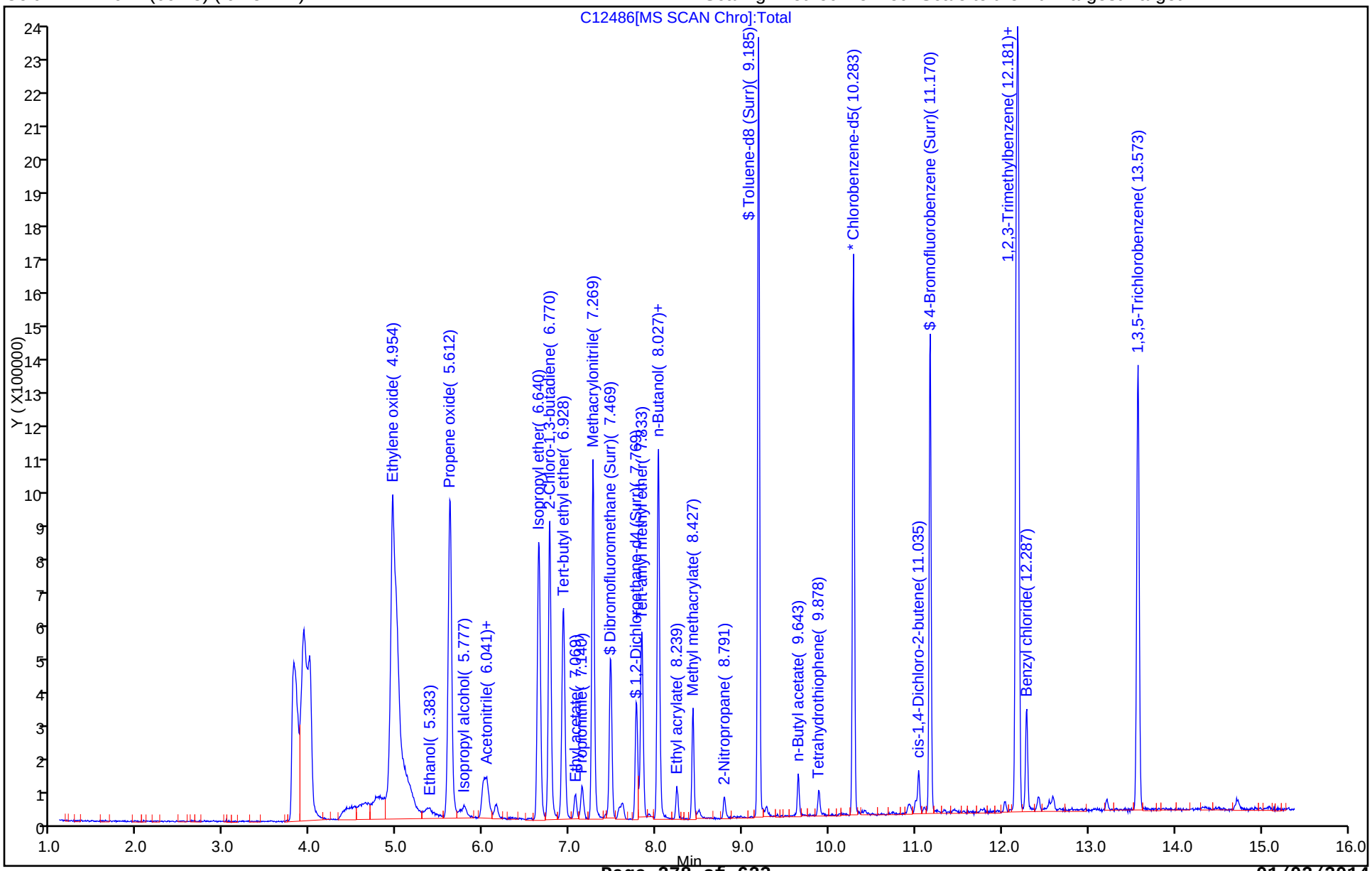
Report Date: 26-Dec-2013 07:35:18 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12486.D

Injection Date:	24-Dec-2013 07:59:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	ccv	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_C\20131206-18141.b\C12119.D				
Lims ID:	bfb	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	06-Dec-2013 16:08:30	ALS Bottle#:	100	Worklist Smp#:	1
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Operator ID:	contrerase	Instrument ID:	VMS_C		
Method:	\\Denchrom\ChromData\VMS_C\20131206-18141.b\AQ_VMSC_8260.m				
Limit Group:	MSV - 8260B Water and Solid				
Last Update:	13-Dec-2013 17:05:06	Calib Date:	06-Dec-2013 22:18:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Denchrom\ChromData\VMS_C\20131206-18141.b\C12137.D				
Column 1 :	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		
Process Host:	XAWRK008				
First Level Reviewer: contrerase		Date:	06-Dec-2013 17:53:08		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.084	5.084	0.0	84	88233	0	7

QC Flag Legend

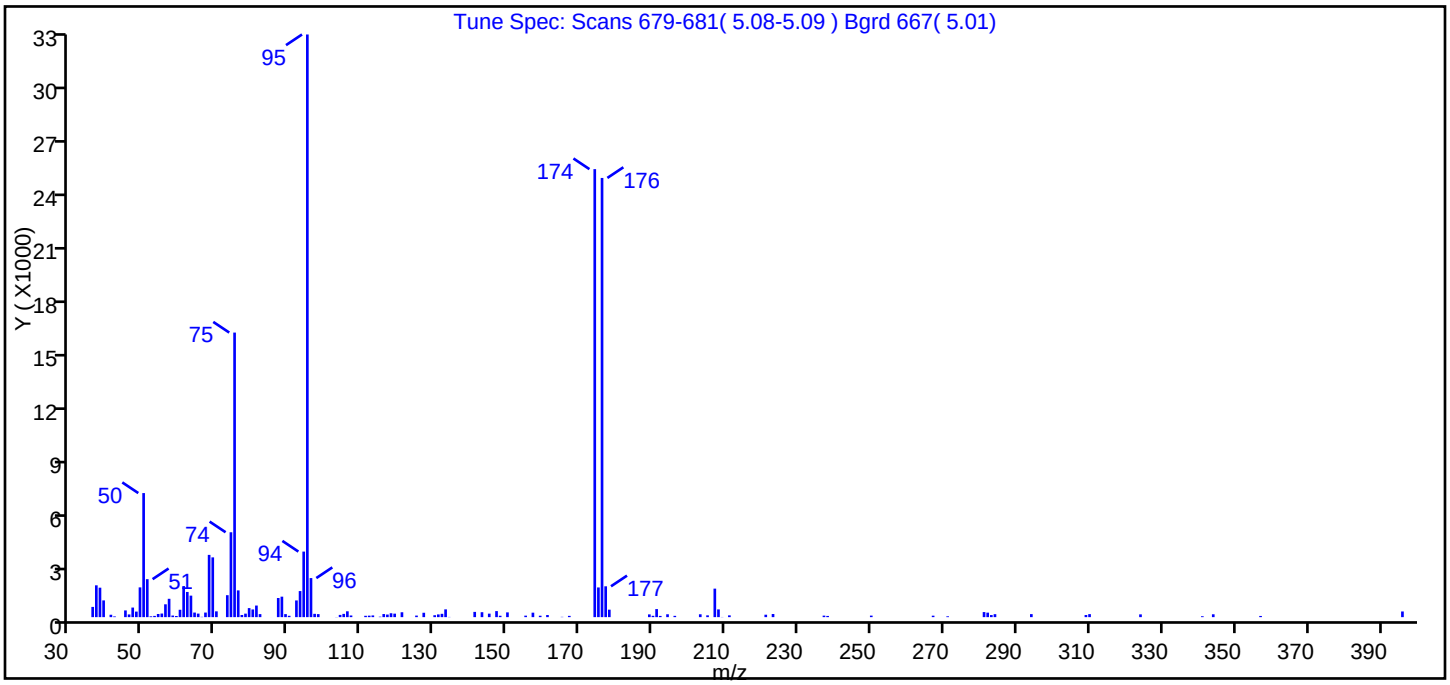
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12119.D
Injection Date: 06-Dec-2013 16:08:30 Instrument ID: VMS_C
Lims ID: bfb Lab Sample ID:
Client ID:
Operator ID: contrerase ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSC_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.30
75	30.00 - 60.00% of mass 95	48.80
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	76.90
175	5.00 - 9.00% of mass 174	5.10 (6.60)
176	95.00 - 101.00% of mass 174	75.40 (98.00)
177	5.00 - 9.00% of mass 176	5.30 (7.00)

Data File: \\Denchrom\ChromData\VMS_C\20131206-18141.b\C12119.D\AQ_VMSC_8260.rslt\spectra.d
Injection Date: 06-Dec-2013 16:08:30
Spectrum: Tune Spec: Scans 679-681(5.08-5.09) Bgrd 667(5.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 123

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	567	70.00	322	115.00	24	190.00	74
37.00	1764	73.00	1217	116.00	172	191.00	447
38.00	1633	74.00	4705	117.00	144	192.00	68
39.00	928	75.00	15773	118.00	216	194.00	159
41.00	133	76.00	1483	119.00	193	196.00	72
42.00	39	77.00	119	121.00	271	203.00	159
45.00	372	78.00	194	125.00	87	205.00	100
46.00	150	79.00	501	127.00	243	207.00	1580
47.00	531	80.00	426	130.00	107	208.00	429
48.00	308	81.00	643	131.00	151	209.00	9
49.00	1650	82.00	168	132.00	184	211.00	99
50.00	6877	85.00	1	133.00	432	221.00	135
51.00	2105	87.00	1060	134.00	11	223.00	174
52.00	45	88.00	1135	141.00	291	237.00	84
53.00	69	89.00	168	143.00	274	238.00	67
54.00	175	90.00	75	145.00	194	250.00	85
55.00	200	92.00	926	147.00	335	267.00	81
56.00	712	93.00	1445	148.00	77	271.00	46
57.00	1017	94.00	3634	150.00	264	281.00	281
58.00	88	95.00	32296	155.00	83	282.00	249
59.00	64	96.00	2166	157.00	248	283.00	115
60.00	409	97.00	183	159.00	79	284.00	165
61.00	1722	98.00	168	161.00	117	294.00	168
62.00	1396	103.00	8	165.00	16	309.00	117
63.00	1192	104.00	124	167.00	71	310.00	167
64.00	254	105.00	181	174.00	24832	324.00	154
65.00	196	106.00	324	175.00	1646	341.00	50
66.00	16	107.00	92	176.00	24344	344.00	159
67.00	254	111.00	75	177.00	1710	357.00	66
68.00	3451	112.00	82	178.00	414	396.00	315
69.00	3313	113.00	95	189.00	153		

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12338.D
Lims ID: bfb Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 19-Dec-2013 19:35:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: bfb
Operator ID: Instrument ID: VMS_C

Method: \\Denchrom\ChromData\VMS_C\20131219-18488.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 20-Dec-2013 17:59:02 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK003

First Level Reviewer: contrerase Date: 19-Dec-2013 19:47:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.074	5.074	0.0	0	63193	0	7

QC Flag Legend

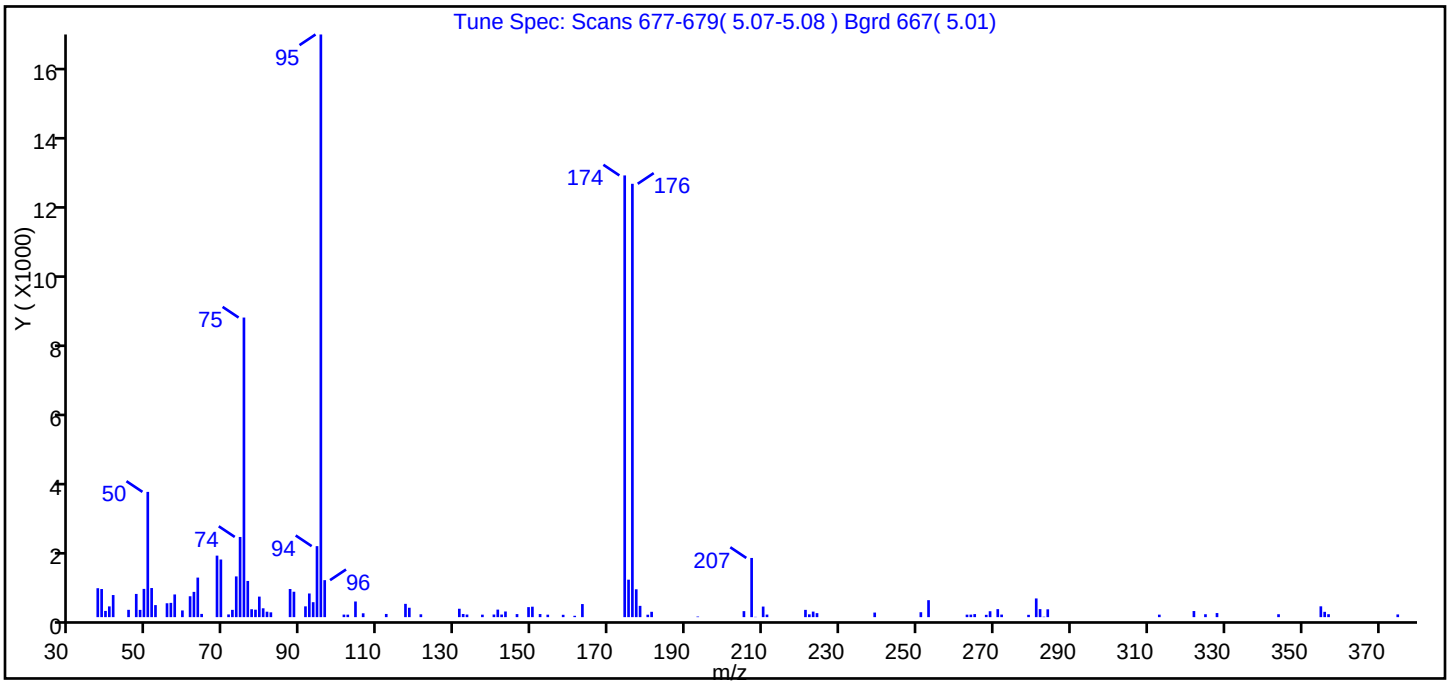
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12338.D
Injection Date: 19-Dec-2013 19:35:30 Instrument ID: VMS_C
Lims ID: bfb Lab Sample ID:
Client ID:
Operator ID: ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSC_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	21.50
75	30.00 - 60.00% of mass 95	51.40
96	5.00 - 9.00% of mass 95	6.30
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	75.80
175	5.00 - 9.00% of mass 174	6.40 (8.50)
176	95.00 - 101.00% of mass 174	74.40 (98.10)
177	5.00 - 9.00% of mass 176	4.80 (6.40)

Data File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12338.D\AQ_VMSC_8260.rslt\spectra.d
Injection Date: 19-Dec-2013 19:35:30
Spectrum: Tune Spec: Scans 677-679(5.07-5.08) Bgrd 667(5.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 107

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	834	76.00	1043	140.00	76	223.00	160
38.00	810	77.00	228	141.00	217	224.00	115
39.00	179	78.00	215	142.00	75	239.00	132
40.00	310	79.00	592	143.00	163	251.00	142
41.00	637	80.00	255	146.00	88	253.00	489
45.00	211	81.00	157	149.00	289	263.00	72
47.00	669	82.00	139	150.00	301	264.00	73
48.00	209	87.00	811	152.00	89	265.00	88
49.00	814	88.00	732	154.00	71	268.00	67
50.00	3610	91.00	311	158.00	68	269.00	170
51.00	839	92.00	682	161.00	39	271.00	231
52.00	347	93.00	431	163.00	377	272.00	74
55.00	400	94.00	2046	174.00	12730	279.00	67
56.00	411	95.00	16792	175.00	1080	281.00	539
57.00	654	96.00	1066	176.00	12489	282.00	231
59.00	193	101.00	74	177.00	803	283.00	12
61.00	602	102.00	72	178.00	325	284.00	226
62.00	728	104.00	451	180.00	70	313.00	72
63.00	1140	106.00	111	181.00	154	322.00	176
64.00	93	112.00	92	193.00	17	325.00	84
68.00	1773	117.00	383	205.00	173	328.00	118
69.00	1661	118.00	271	207.00	1706	344.00	84
71.00	78	121.00	82	208.00	8	355.00	312
72.00	210	131.00	242	210.00	305	356.00	153
73.00	1174	132.00	91	211.00	74	357.00	85
74.00	2311	133.00	75	221.00	210	375.00	78
75.00	8634	137.00	72	222.00	81		

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12450.D
Lims ID: bfb Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 23-Dec-2013 08:01:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: bfb
Operator ID: wickhamt Instrument ID: VMS_C

Method: \\Denchrom\ChromData\VMS_C\20131223-18534.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 24-Dec-2013 07:10:05 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK051

First Level Reviewer: wickhamt Date: 23-Dec-2013 09:03:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.063	5.063	0.0	88	127956	0	7

QC Flag Legend

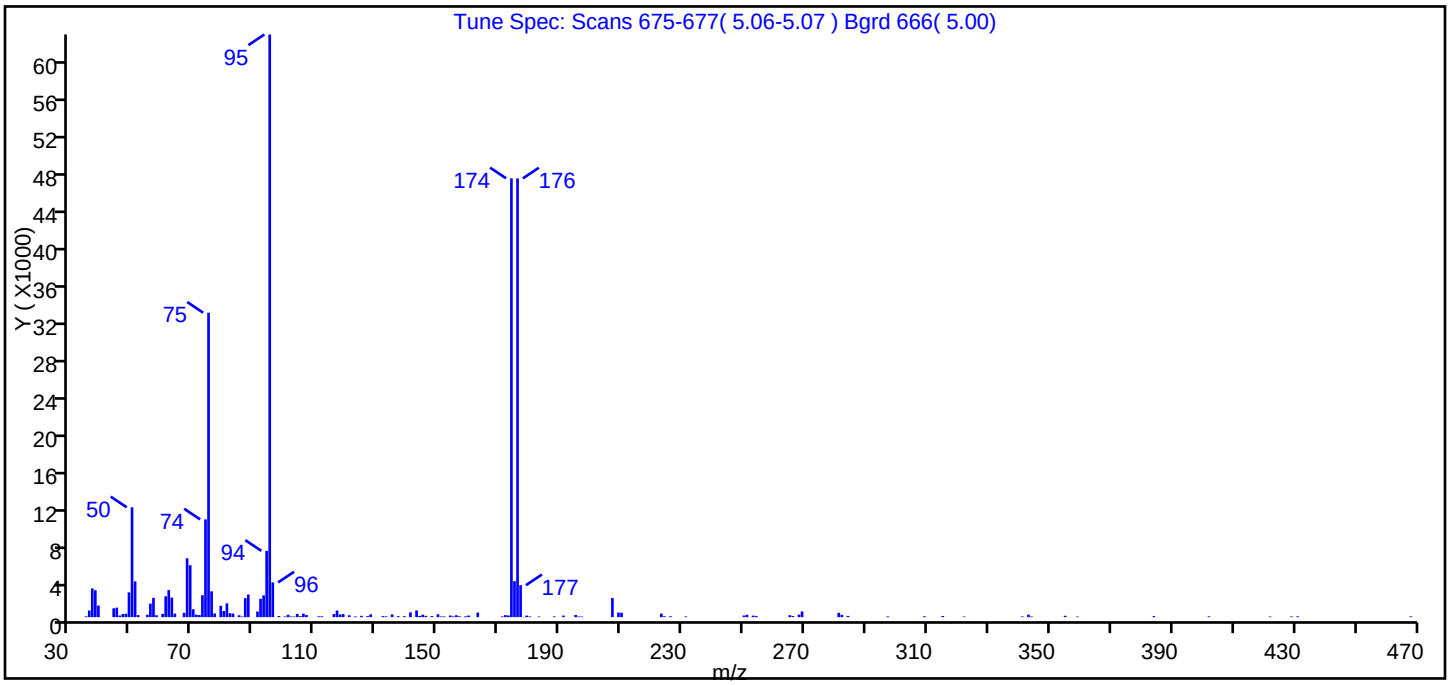
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12450.D
Injection Date: 23-Dec-2013 08:01:30 Instrument ID: VMS_C
Lims ID: bfb Lab Sample ID:
Client ID:
Operator ID: wickhamt ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSC_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.90
75	30.00 - 60.00% of mass 95	52.20
96	5.00 - 9.00% of mass 95	6.00
173	Less than 2.00% of mass 174	0.30 (0.40)
174	Greater than 50.00% of mass 95	75.30
175	5.00 - 9.00% of mass 174	6.20 (8.20)
176	95.00 - 101.00% of mass 174	75.30 (100.00)
177	5.00 - 9.00% of mass 176	5.50 (7.30)

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12450.D\AQ_VMSC_8260.rslt\spectra.d
Injection Date: 23-Dec-2013 08:01:30
Spectrum: Tune Spec: Scans 675-677(5.06-5.07) Bgrd 666(5.00)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	84	80.00	653	132.00	112	196.00	71
36.00	703	81.00	1468	133.00	85	197.00	67
37.00	3060	82.00	419	135.00	290	207.00	2032
38.00	2860	83.00	387	137.00	104	209.00	492
39.00	1237	85.00	201	139.00	101	210.00	466
44.00	941	86.00	67	141.00	507	223.00	374
45.00	1013	87.00	2024	143.00	715	224.00	92
46.00	171	88.00	2407	144.00	134	226.00	93
47.00	333	89.00	3	145.00	261	231.00	75
48.00	363	91.00	601	146.00	142	250.00	181
49.00	2634	92.00	1951	148.00	115	251.00	251
50.00	11700	93.00	2320	150.00	308	253.00	160
51.00	3808	94.00	7060	151.00	70	254.00	132
52.00	224	95.00	62056	152.00	77	265.00	205
55.00	254	96.00	3700	154.00	173	266.00	113
56.00	1437	98.00	124	155.00	77	268.00	263
57.00	2057	100.00	74	156.00	204	269.00	603
58.00	204	101.00	247	157.00	93	281.00	460
60.00	354	102.00	71	159.00	88	282.00	241
61.00	2223	103.00	63	160.00	172	284.00	134
62.00	2879	104.00	342	163.00	486	297.00	77
63.00	2078	105.00	101	171.00	77	309.00	97
64.00	373	106.00	377	172.00	214	315.00	123
67.00	456	107.00	233	173.00	178	322.00	70
68.00	6273	111.00	87	174.00	46736	341.00	73
69.00	5528	112.00	93	175.00	3833	343.00	270
70.00	844	116.00	331	176.00	46728	344.00	71
71.00	267	117.00	710	177.00	3403	355.00	150
72.00	221	118.00	280	178.00	21	359.00	70
73.00	2332	119.00	329	179.00	163	384.00	112
74.00	10409	121.00	202	180.00	77	402.00	85
75.00	32424	123.00	77	183.00	68	422.00	70
76.00	2755	125.00	142	188.00	84	429.00	76

Report Date: 24-Dec-2013 07:10:05 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12450.D\AQ_VMSC_8260.rslt\spectra.d
Injection Date: 23-Dec-2013 08:01:30
Spectrum: Tune Spec: Scans 675-677(5.06-5.07) Bgrd 666(5.00)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 140

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.00	389	127.00	106	191.00	170	431.00	88
79.00	1207	128.00	300	195.00	234	468.00	83

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_C\20131224-18567.b\C12483.D				
Lims ID:	bfb	Lab Sample ID:			
Client ID:					
Sample Type:	BFB				
Inject. Date:	24-Dec-2013 06:55:30	ALS Bottle#:	100	Worklist Smp#:	1
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Sample Info:	bfb				
Operator ID:	wickhamt	Instrument ID:	VMS_C		
Method:	\\Denchrom\ChromData\VMS_C\20131224-18567.b\AQ_VMSC_8260.m				
Limit Group:	MSV - 8260B Water and Solid				
Last Update:	26-Dec-2013 07:35:15	Calib Date:	20-Dec-2013 02:36:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D				
Column 1 :	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		
Process Host:	XAWRK052				
First Level Reviewer: wickhamt		Date:	24-Dec-2013 07:56:17		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.069	5.069	0.0	85	114973	0	7

QC Flag Legend

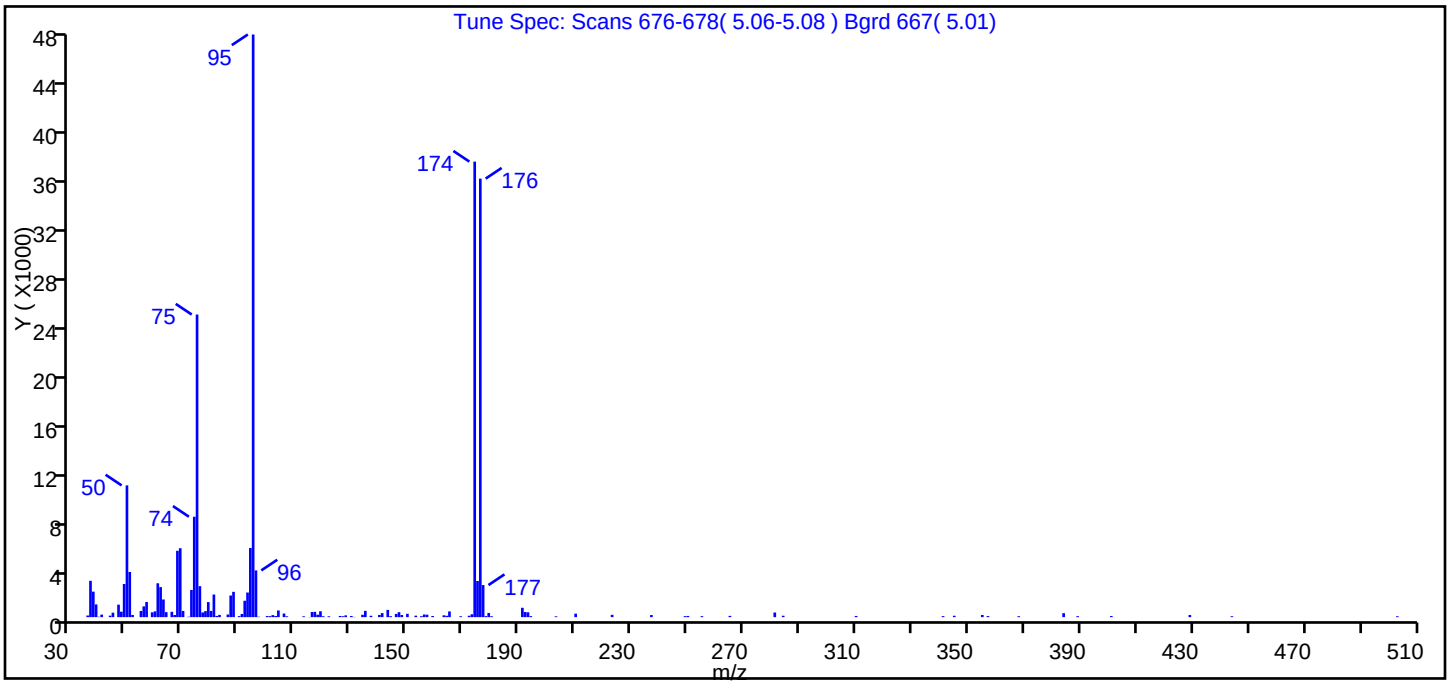
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12483.D
Injection Date: 24-Dec-2013 06:55:30 Instrument ID: VMS_C
Lims ID: bfb Lab Sample ID:
Client ID:
Operator ID: wickhamt ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSC_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.60
75	30.00 - 60.00% of mass 95	51.90
96	5.00 - 9.00% of mass 95	8.00
173	Less than 2.00% of mass 174	0.50 (0.60)
174	Greater than 50.00% of mass 95	78.20
175	5.00 - 9.00% of mass 174	6.20 (7.90)
176	95.00 - 101.00% of mass 174	75.30 (96.30)
177	5.00 - 9.00% of mass 176	5.50 (7.30)

Data File: \\Denchrom\ChromData\VMS_C\20131224-18567.b\C12483.D\AQ_VMSC_8260.rslt\spectra.d
Injection Date: 24-Dec-2013 06:55:30
Spectrum: Tune Spec: Scans 676-678(5.06-5.08) Bgrd 667(5.01)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 126

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	132	76.00	2508	120.00	70	177.00	2598
37.00	2944	77.00	378	122.00	69	178.00	85
38.00	2065	78.00	486	126.00	95	179.00	339
39.00	1032	79.00	1219	127.00	71	180.00	73
40.00	31	80.00	501	128.00	144	191.00	759
41.00	205	81.00	1832	130.00	90	192.00	415
44.00	120	82.00	100	131.00	20	193.00	393
45.00	362	83.00	183	134.00	191	194.00	81
47.00	1011	86.00	214	135.00	510	203.00	67
48.00	443	87.00	1752	137.00	110	210.00	283
49.00	2682	88.00	2049	140.00	176	223.00	187
50.00	10669	90.00	83	141.00	329	237.00	168
51.00	3659	91.00	257	143.00	586	249.00	80
52.00	176	92.00	1328	144.00	78	250.00	97
55.00	503	93.00	1995	146.00	259	255.00	78
56.00	870	94.00	5601	147.00	402	265.00	103
57.00	1228	95.00	47184	148.00	172	281.00	376
59.00	391	96.00	3784	150.00	272	284.00	114
60.00	469	97.00	34	153.00	118	310.00	97
61.00	2743	100.00	89	155.00	77	341.00	84
62.00	2433	101.00	81	156.00	215	345.00	113
63.00	1430	102.00	164	157.00	198	355.00	175
64.00	404	103.00	94	159.00	93	357.00	86
66.00	432	104.00	541	163.00	148	368.00	76
67.00	173	106.00	292	164.00	111	384.00	320
68.00	5372	107.00	67	165.00	463	389.00	78
69.00	5581	113.00	67	169.00	70	401.00	89
70.00	502	115.00	12	172.00	112	429.00	170
72.00	34	116.00	418	173.00	232	444.00	72
73.00	2200	117.00	428	174.00	36888	503.00	71
74.00	8132	118.00	198	175.00	2929		
75.00	24504	119.00	477	176.00	35512		

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: | Lab Sample ID: LB 280-206207/1-A

Matrix: Solid (TCLP) | Lab File ID: C12459.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 2(mL) | Date Analyzed: 12/23/2013 11:04

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 206305 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	2.0	U	10	2.0	1.6
78-93-3	2-Butanone (MEK)	32	U	100	32	18
56-23-5	Carbon tetrachloride	4.0	U	10	4.0	1.9
108-90-7	Chlorobenzene	2.0	U	10	2.0	1.7
67-66-3	Chloroform	2.0	U	10	2.0	1.6
107-06-2	1,2-Dichloroethane	4.0	U	10	4.0	1.3
75-35-4	1,1-Dichloroethene	4.0	U	10	4.0	2.3
127-18-4	Tetrachloroethene	4.0	U	10	4.0	2.0
79-01-6	Trichloroethene	2.0	U	10	2.0	1.6
75-01-4	Vinyl chloride	8.0	U	10	8.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	106		64-129
2037-26-5	Toluene-d8 (Surr)	95		78-120
460-00-4	4-Bromofluorobenzene (Surr)	93		78-121
1868-53-7	Dibromofluoromethane (Surr)	104		79-119

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12459.D
Lims ID: LB 280-206207/1-A Lab Sample ID: LB 280-206207/1-A
Client ID:
Sample Type: LB
Inject. Date: 23-Dec-2013 11:04:30 ALS Bottle#: 18 Worklist Smp#: 12
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: LB 280-206207/1-A 2ml
Operator ID: wickhamt Instrument ID: VMS_C

Method: \\Denchrom\ChromData\VMS_C\20131223-18534.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 24-Dec-2013 07:09:31 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK051

First Level Reviewer: wickhamt Date: 23-Dec-2013 11:46:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.041	6.041	0.0	0	162563	250.0	
* 1 Fluorobenzene	96	8.027	8.027	0.0	98	925485	12.5	
* 2 Chlorobenzene-d5	119	10.283	10.283	0.0	88	278962	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.169	12.169	0.0	96	435333	12.5	
* 149 1,4-Dioxane-d8	96		0.0					
$ 5 Dibromofluoromethane (Surr)	111	7.475	7.474	0.001	81	308550	13.0	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.774	7.774	0.0	0	274299	13.3	
$ 7 Toluene-d8 (Surr)	98	9.184	9.184	0.0	95	1416857	11.8	
$ 8 4-Bromofluorobenzene (Surr)	95	11.170	11.170	0.0	85	457077	11.6	
$ 151 Trifluorotoluene (Surr)	1		0.0					
$ 4 BFB	95	4.972	5.063	-0.091	0	783	0	7
22 Chlorotrifluoroethene	116		4.190					
24 Dichlorodifluoromethane	85		4.249					
25 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.407					
26 Chloromethane	50		4.490					
27 Vinyl chloride	62		4.643					
147 Butadiene	54		4.660					
23 2-Chloro-1,1,1-Trifluoroethane	118		4.677					
28 Ethylene oxide	43		4.936					
29 Bromomethane	94		5.013					
31 Chloroethane	64		5.095					
32 Dichlorofluoromethane	67		5.242					
34 Ethanol	45		5.353					
33 Trichlorofluoromethane	101		5.354					
35 1,2-Dichloro-1,1,2-trifluoroetha	117		5.488					
36 Ethyl ether	59		5.506					
37 1,1,1-Trifluoro-2,2-dichloroetha	83		5.535					
38 Propene oxide	58		5.606					
39 Acrolein	56		5.659					
42 1,1,2-Trichloro-1,2,2-trifluoroe	151		5.759					
40 Acetone	43		5.765					
41 Isopropyl alcohol	45		5.771					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
43 1,1-Dichloroethene	96		5.800					
45 Iodomethane	142		5.982					
44 Acetonitrile	41		5.994					
46 Methyl acetate	43		6.000					
47 3-Chloro-1-propene	41		6.058					
48 Carbon disulfide	76		6.076					
49 2-Methyl-2-propanol	59		6.105					
50 Methylene Chloride	84		6.146					
51 Acrylonitrile	53		6.305					
52 Methyl tert-butyl ether	73		6.329					
53 trans-1,2-Dichloroethene	96		6.376					
54 Hexane	57		6.540					
55 Vinyl acetate	43		6.628					
56 Isopropyl ether	87		6.640					
57 1,1-Dichloroethane	63		6.699					
58 2-Chloro-1,3-butadiene	53		6.764					
59 Tert-butyl ethyl ether	59		6.922					
60 Ethyl acetate	43		7.063					
61 2-Butanone (MEK)	43		7.081					
62 sec-Butyl Alcohol	45		7.122					
64 cis-1,2-Dichloroethene	96		7.134					
63 Propionitrile	54		7.140					
65 2,2-Dichloropropane	77		7.169					
66 Methacrylonitrile	41		7.263					
67 Chlorobromomethane	128		7.339					
68 Chloroform	83		7.345					
69 Tetrahydrofuran	42		7.374					
70 Isobutyl alcohol	41		7.545					
71 1,1,1-Trichloroethane	97		7.568					
72 Cyclohexane	56		7.645					
73 1,1-Dichloropropene	75		7.668					
74 Carbon tetrachloride	117		7.709					
76 Tert-amyl methyl ether	73		7.827					
75 1,2-Dichloroethane	62		7.833					
77 Benzene	78		7.850					
9 n-Heptane	43		7.921					
78 n-Butanol	56		8.038					
148 Ethyl acrylate	55		8.238					
79 Trichloroethene	95		8.303					
80 2-Pentanone	43		8.344					
81 Methyl methacrylate	100		8.420					
82 1,2-Dichloropropane	63		8.485					
83 Methylcyclohexane	55		8.491					
84 1,4-Dioxane	88		8.538					
85 Dibromomethane	93		8.585					
86 Dichlorobromomethane	83		8.649					
88 2-Chloroethyl vinyl ether	63		8.779					
87 2-Nitropropane	41		8.785					
89 cis-1,3-Dichloropropene	75		8.961					
90 4-Methyl-2-pentanone (MIBK)	43		9.014					
91 Toluene	91		9.237					
92 Ethyl methacrylate	69		9.307					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
93 trans-1,3-Dichloropropene	75		9.331					
94 1,1,2-Trichloroethane	97		9.496					
95 2-Hexanone	43		9.607					
96 1,3-Dichloropropane	76		9.631					
144 n-Butyl acetate	43		9.642					
97 Tetrachloroethene	164		9.660					
98 Chlorodibromomethane	129		9.830					
99 Tetrahydrothiophene	60		9.878					
100 Ethylene Dibromide	107		9.966					
101 1-Chlorohexane	91		10.183					
102 Chlorobenzene	112		10.306					
104 Ethylbenzene	106		10.342					
103 1,1,1,2-Tetrachloroethane	131		10.342					
105 m-Xylene & p-Xylene	106		10.418					
109 o-Xylene	106		10.741					
106 Styrene	104		10.741					
107 Bromoform	173		10.958					
108 Isopropylbenzene	105		11.005					
110 cis-1,4-Dichloro-2-butene	53		11.041					
111 Cyclohexanone	55		11.153					
112 1,1,2,2-Tetrachloroethane	83		11.217					
113 trans-1,4-Dichloro-2-butene	53		11.252					
114 1,2,3-Trichloropropane	110		11.293					
115 N-Propylbenzene	120		11.335					
116 Bromobenzene	156		11.346					
120 1,3,5-Trimethylbenzene	105		11.446					
117 2-Chlorotoluene	126		11.470					
118 4-Chlorotoluene	126		11.546					
119 tert-Butylbenzene	119		11.758					
121 1,2,4-Trimethylbenzene	105		11.787					
122 sec-Butylbenzene	134		11.946					
123 4-Isopropyltoluene	119		12.040					
124 1,3-Dichlorobenzene	146		12.122					
125 1,2,3-Trimethylbenzene	105		12.187					
126 1,4-Dichlorobenzene	146		12.192					
146 Benzyl chloride	126		12.281					
127 n-Butylbenzene	91		12.416					
128 1,2-Dichlorobenzene	146		12.568					
129 1,2-Dibromo-3-Chloropropane	157		13.350					
21 1,3,5-Trichlorobenzene	180		13.573					
130 1,2,4-Trichlorobenzene	180		14.355					
131 Hexachlorobutadiene	225		14.507					
132 Naphthalene	128		14.748					
133 1,2,3-Trichlorobenzene	180		15.089					
13 Dimethyl disulfide	1		0.0					
14 n-Nonyl Aldehyde	1		0.0					
12 3,3-Dimethylpentane	1		0.0					
11 2,3-Dimethylpentane	1		0.0					
143 Pentachloroethane	167		0.0					
145 2-Methylnaphthalene	142		0.0					
19 2,2-Dimethylpentane	1		0.0					
17 2,4-Dimethylpentane	1		0.0					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
16 2-Butoxyethanol TIC	1		0.0					
20 3-Ethylpentane	1		0.0					
18 2-Methylhexane	1		0.0					
10 2,2,3-Trimethylbutane	1		0.0					
15 3-Methylhexane	1		0.0					
30 Propene oxide TIC	58		5.334					
S 140 1,2-Dichloroethene, Total (URS)	96		2.000					
S 137 Total BTEX	1		0.0					
S 138 Xylenes, Total	106		0.0					
S 139 Xylenes, Total (URS)	1		0.0					
S 134 Trihalomethanes, Total	1		0.0					
S 135 1,3-Dichloropropene, Total	1		0.0					
S 136 1,2-Dichloroethene, Total	1		0.0					
T 142 2,3-dichloro-1-propene TIC	75		1.000					
T 141 Dichloroacetonitrile TIC	74		1.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

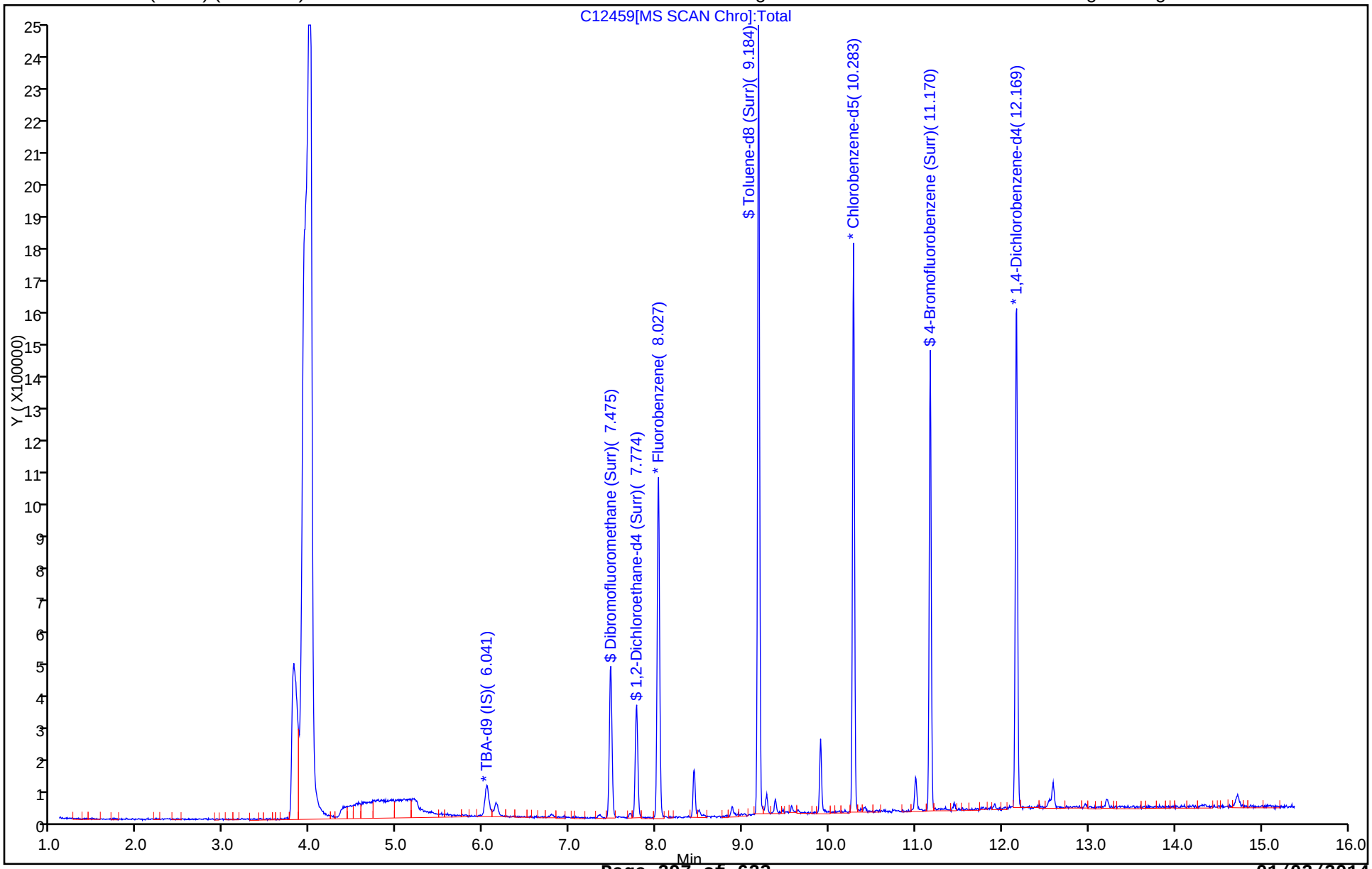
Report Date: 24-Dec-2013 07:09:46 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12459.D

Injection Date:	23-Dec-2013 11:04:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	LB 280-206207/1-A	Lab Sample ID:	LB 280-206207/1-A	Worklist Smp#:	12
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: | Lab Sample ID: LCS 280-206207/2-A

Matrix: Solid (TCLP) | Lab File ID: C12458.D

Analysis Method: 8260B | Date Collected:

Sample wt/vol: 2(mL) | Date Analyzed: 12/23/2013 10:44

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 206305 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
71-43-2	Benzene	56.9		10	2.0	1.6
78-93-3	2-Butanone (MEK)	199		100	32	18
56-23-5	Carbon tetrachloride	60.7		10	4.0	1.9
108-90-7	Chlorobenzene	55.0		10	2.0	1.7
67-66-3	Chloroform	59.3		10	2.0	1.6
107-06-2	1,2-Dichloroethane	59.2		10	4.0	1.3
75-35-4	1,1-Dichloroethene	58.5		10	4.0	2.3
127-18-4	Tetrachloroethene	53.2		10	4.0	2.0
79-01-6	Trichloroethene	56.6		10	2.0	1.6
75-01-4	Vinyl chloride	43.0		10	8.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		64-129
2037-26-5	Toluene-d8 (Surr)	100		78-120
460-00-4	4-Bromofluorobenzene (Surr)	99		78-121
1868-53-7	Dibromofluoromethane (Surr)	106		79-119

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12458.D
Lims ID: LCS 280-206207/2-A Lab Sample ID: LCS 280-206207/2-A
Client ID:
Sample Type: LCS
Inject. Date: 23-Dec-2013 10:44:30 ALS Bottle#: 17 Worklist Smp#: 11
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: LCS 280-206207/2-A 2ml
Operator ID: wickhamt Instrument ID: VMS_C

Method: \\Denchrom\ChromData\VMS_C\20131223-18534.b\AQ_VMSC_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 24-Dec-2013 07:09:31 Calib Date: 20-Dec-2013 02:36:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_C\20131219-18488.b\C12359.D

Column 1 : DB-624 (60.25) (0.25 mm) Detector MS SCAN
Process Host: XAWRK051

First Level Reviewer: wickhamt Date: 23-Dec-2013 11:06:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	6.030	6.041	-0.011	0	146181	250.0	
* 1 Fluorobenzene	96	8.022	8.027	-0.005	98	870432	12.5	
* 2 Chlorobenzene-d5	119	10.284	10.283	0.001	82	266976	12.5	
* 3 1,4-Dichlorobenzene-d4	152	12.170	12.169	0.001	92	417417	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.470	7.474	-0.004	56	296279	13.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.769	7.774	-0.005	0	255386	13.2	
$ 7 Toluene-d8 (Surr)	98	9.185	9.184	0.001	95	1429663	12.5	
$ 8 4-Bromofluorobenzene (Surr)	95	11.171	11.170	0.001	86	463974	12.3	
24 Dichlorodifluoromethane	85	4.244	4.249	-0.005	87	172325	4.15	
26 Chloromethane	50	4.479	4.490	-0.011	88	140013	4.24	
27 Vinyl chloride	62	4.632	4.643	-0.011	83	141033	4.30	
147 Butadiene	54	4.644	4.660	-0.016	92	110839	3.97	
29 Bromomethane	94	5.008	5.013	-0.005	89	106092	4.70	
31 Chloroethane	64	5.084	5.095	-0.011	98	92721	5.32	
32 Dichlorofluoromethane	67	5.231	5.242	-0.011	79	347862	5.45	
33 Trichlorofluoromethane	101	5.349	5.354	-0.005	83	285735	4.83	
36 Ethyl ether	59	5.501	5.506	-0.005	93	73892	5.33	
39 Acrolein	56	5.648	5.659	-0.011	93	49761	64.7	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.754	5.759	-0.005	88	174738	5.60	
40 Acetone	43	5.754	5.765	-0.011	34	52438	17.7	
43 1,1-Dichloroethene	96	5.789	5.800	-0.011	89	208677	5.85	
45 Iodomethane	142	5.977	5.982	-0.005	98	304574	6.00	
46 Methyl acetate	43	5.995	6.000	-0.005	89	181220	27.3	
47 3-Chloro-1-propene	41	6.048	6.058	-0.010	81	347571	5.25	
48 Carbon disulfide	76	6.071	6.076	-0.005	99	910638	6.04	
49 2-Methyl-2-propanol	59	6.101	6.105	-0.004	53	43349	49.9	
50 Methylene Chloride	84	6.142	6.146	-0.004	90	180161	6.27	
51 Acrylonitrile	53	6.301	6.305	-0.004	99	168309	55.4	
52 Methyl tert-butyl ether	73	6.324	6.329	-0.005	96	221044	5.35	
53 trans-1,2-Dichloroethene	96	6.365	6.376	-0.011	92	210694	5.94	
54 Hexane	57	6.530	6.540	-0.010	95	371768	5.03	
55 Vinyl acetate	43	6.630	6.628	0.002	97	259265	13.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
57 1,1-Dichloroethane	63	6.694	6.699	-0.005	85	372727	5.87	
61 2-Butanone (MEK)	43	7.076	7.081	-0.005	90	89870	19.9	
62 sec-Butyl Alcohol	45	7.117	7.122	-0.005	65	82067	131.1	
64 cis-1,2-Dichloroethene	96	7.135	7.134	0.001	71	178774	5.59	
65 2,2-Dichloropropane	77	7.158	7.169	-0.011	92	335801	6.40	
67 Chlorobromomethane	128	7.329	7.339	-0.010	84	54419	5.73	
68 Chloroform	83	7.335	7.345	-0.010	81	311684	5.93	
69 Tetrahydrofuran	42	7.370	7.374	-0.004	88	26936	10.8	
70 Isobutyl alcohol	41	7.534	7.545	-0.011	90	34220	318.2	
71 1,1,1-Trichloroethane	97	7.558	7.568	-0.010	91	342066	6.03	
72 Cyclohexane	56	7.634	7.645	-0.011	96	434095	5.55	
73 1,1-Dichloropropene	75	7.664	7.668	-0.004	90	309512	6.25	
74 Carbon tetrachloride	117	7.705	7.709	-0.004	67	311046	6.07	
75 1,2-Dichloroethane	62	7.828	7.833	-0.005	83	149709	5.92	
77 Benzene	78	7.852	7.850	0.002	94	725075	5.69	
9 n-Heptane	43	7.916	7.921	-0.005	95	415855	5.72	
79 Trichloroethene	95	8.298	8.303	-0.005	92	201286	5.66	
80 2-Pentanone	43	8.339	8.344	-0.005	96	122447	16.3	
82 1,2-Dichloropropane	63	8.486	8.485	0.001	78	155946	5.56	
83 Methylcyclohexane	55	8.486	8.491	-0.005	87	343954	5.61	
84 1,4-Dioxane	88	8.539	8.538	0.001	40	8555	115.2	
85 Dibromomethane	93	8.586	8.585	0.001	86	50390	5.62	
86 Dichlorobromomethane	83	8.651	8.649	0.002	93	172258	5.64	
89 cis-1,3-Dichloropropene	75	8.962	8.961	0.001	86	189166	5.14	
90 4-Methyl-2-pentanone (MIBK)	43	9.009	9.014	-0.005	96	165621	20.0	
91 Toluene	91	9.232	9.237	-0.005	96	776206	6.02	
92 Ethyl methacrylate	69	9.309	9.307	0.002	87	64889	4.66	
93 trans-1,3-Dichloropropene	75	9.332	9.331	0.001	94	138979	5.55	
94 1,1,2-Trichloroethane	97	9.497	9.496	0.001	87	66566	5.57	
95 2-Hexanone	43	9.603	9.607	-0.004	97	115553	18.1	
96 1,3-Dichloropropane	76	9.632	9.631	0.001	96	129228	4.95	
97 Tetrachloroethene	164	9.655	9.660	-0.005	88	163429	5.32	
98 Chlorodibromomethane	129	9.832	9.830	0.002	86	83051	5.24	
100 Ethylene Dibromide	107	9.967	9.966	0.001	98	62373	5.14	
101 1-Chlorohexane	91	10.184	10.183	0.001	90	275657	5.20	
102 Chlorobenzene	112	10.308	10.306	0.002	92	444670	5.50	
104 Ethylbenzene	106	10.337	10.342	-0.005	88	287797	5.43	
103 1,1,1,2-Tetrachloroethane	131	10.343	10.342	0.001	30	132426	5.37	
105 m-Xylene & p-Xylene	106	10.413	10.418	-0.005	100	340085	5.38	
109 o-Xylene	106	10.742	10.741	0.001	89	314068	5.53	
106 Styrene	104	10.742	10.741	0.001	83	406944	5.51	
107 Bromoform	173	10.954	10.958	-0.004	78	37993	5.37	
108 Isopropylbenzene	105	11.007	11.005	0.002	97	930113	5.52	
111 Cyclohexanone	55	11.148	11.153	-0.005	86	53754	185.0	
112 1,1,2,2-Tetrachloroethane	83	11.224	11.217	0.007	86	70267	5.70	
113 trans-1,4-Dichloro-2-butene	53	11.254	11.252	0.002	70	18756	5.47	
114 1,2,3-Trichloropropane	110	11.301	11.293	0.008	71	20972	5.57	
115 N-Propylbenzene	120	11.336	11.335	0.001	97	260685	5.63	
116 Bromobenzene	156	11.348	11.346	0.002	97	151168	5.30	
120 1,3,5-Trimethylbenzene	105	11.447	11.446	0.001	92	760089	5.78	
117 2-Chlorotoluene	126	11.465	11.470	-0.005	94	195094	5.49	
118 4-Chlorotoluene	126	11.547	11.546	0.001	99	194860	5.58	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
119 tert-Butylbenzene	119	11.759	11.758	0.001	94	770297	5.67	
121 1,2,4-Trimethylbenzene	105	11.788	11.787	0.001	98	724492	5.63	
122 sec-Butylbenzene	134	11.947	11.946	0.001	95	225131	5.86	
123 4-Isopropyltoluene	119	12.035	12.040	-0.005	97	881965	5.69	
124 1,3-Dichlorobenzene	146	12.117	12.122	-0.005	88	348214	5.66	
126 1,4-Dichlorobenzene	146	12.194	12.192	0.002	82	326331	5.56	
127 n-Butylbenzene	91	12.417	12.416	0.001	98	882158	5.78	
128 1,2-Dichlorobenzene	146	12.570	12.568	0.002	94	264459	5.43	
129 1,2-Dibromo-3-Chloropropane	157	13.357	13.350	0.007	54	9981	5.32	
130 1,2,4-Trichlorobenzene	180	14.356	14.355	0.001	91	189339	5.51	
131 Hexachlorobutadiene	225	14.509	14.507	0.002	94	187322	6.43	
132 Naphthalene	128	14.744	14.748	-0.004	97	205684	4.72	
133 1,2,3-Trichlorobenzene	180	15.084	15.089	-0.005	92	143634	5.27	
S 140 1,2-Dichloroethene, Total (URS)	96				0		11.5	
S 138 Xylenes, Total	106				0		10.9	
S 139 Xylenes, Total (URS)	1				0		10.9	
S 134 Trihalomethanes, Total	1				0		22.2	
S 135 1,3-Dichloropropene, Total	1				0		10.7	
S 136 1,2-Dichloroethene, Total	1				0		11.5	

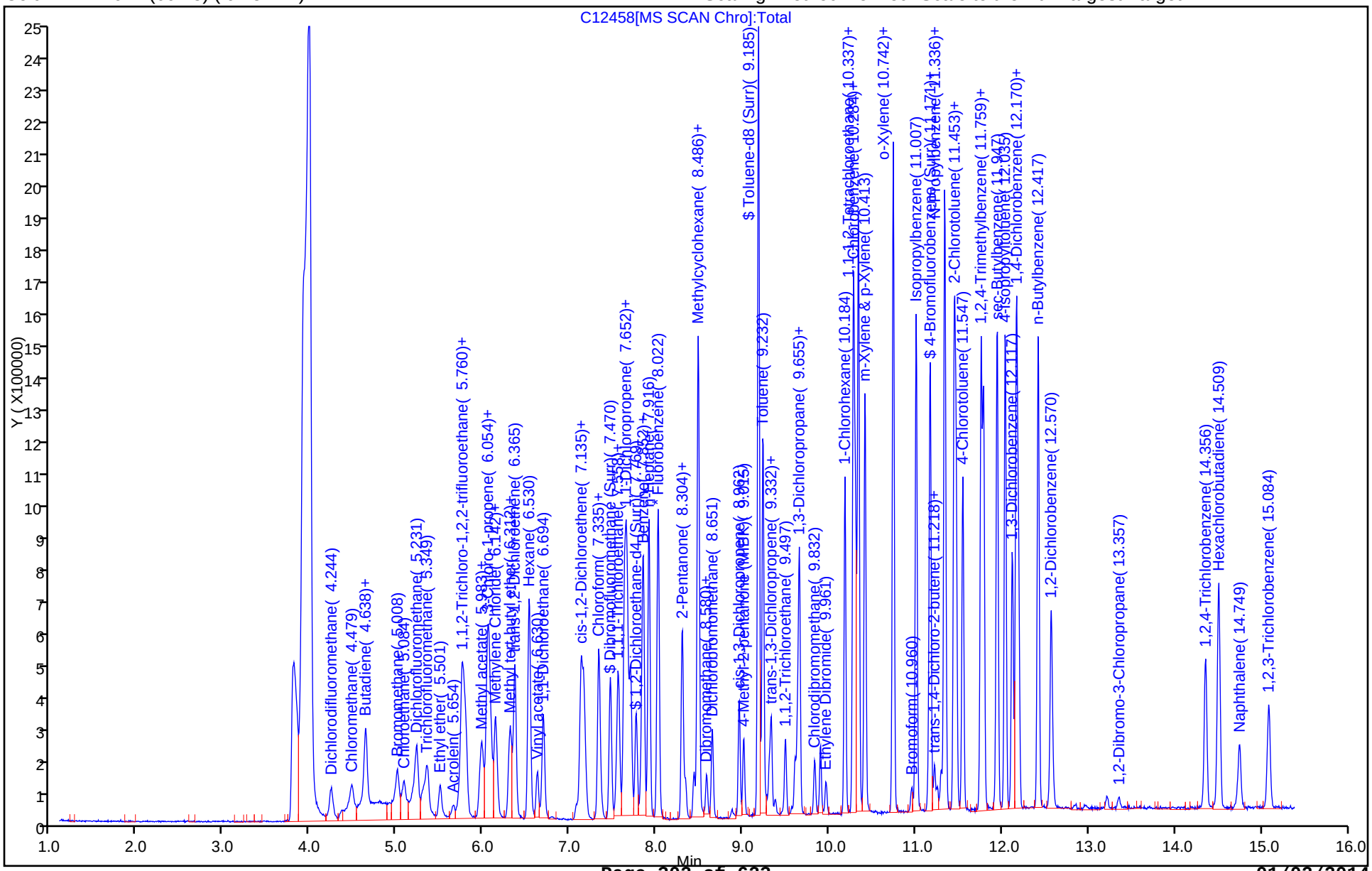
Report Date: 24-Dec-2013 07:09:46 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_C\20131223-18534.b\C12458.D

Injection Date:	23-Dec-2013 10:44:30	Instrument ID:	VMS_C	Operator ID:	wickhamt
Lims ID:	LCS 280-206207/2-A	Lab Sample ID:	LCS 280-206207/2-A	Worklist Smp#:	11
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	AQ_VMSC_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Start Date: 12/06/2013 16:08

Analysis Batch Number: 204240 End Date: 12/06/2013 22:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-204240/1		12/06/2013 16:08	1	C12119.D	DB-624 (60.25) 0.25(mm)
IC 280-204240/8		12/06/2013 16:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 16:52	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/9		12/06/2013 17:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 17:12	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/10		12/06/2013 17:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 17:32	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/11		12/06/2013 17:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 17:51	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/12		12/06/2013 18:11	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 18:11	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/13		12/06/2013 18:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 18:31	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/14		12/06/2013 18:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 18:51	1		DB-624 (60.25) 0.25(mm)
ICV 280-204240/15		12/06/2013 19:31	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/16		12/06/2013 20:38	1	C12132.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 20:38	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/17		12/06/2013 20:58	1	C12133.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 20:58	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/18		12/06/2013 21:18	1	C12134.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 21:18	1		DB-624 (60.25) 0.25(mm)
ICIS 280-204240/19		12/06/2013 21:38	1	C12135.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 21:38	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/20		12/06/2013 21:58	1	C12136.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 21:58	1		DB-624 (60.25) 0.25(mm)
IC 280-204240/21		12/06/2013 22:18	1	C12137.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/06/2013 22:18	1		DB-624 (60.25) 0.25(mm)
ICV 280-204240/22		12/06/2013 22:57	1	C12139.D	DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Start Date: 12/19/2013 19:35

Analysis Batch Number: 206019 End Date: 12/20/2013 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-206019/1		12/19/2013 19:35	1	C12338.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/8		12/19/2013 21:39	1	C12344.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/9		12/19/2013 21:58	1	C12345.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/10		12/19/2013 22:18	1	C12346.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/11		12/19/2013 22:38	1	C12347.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/12		12/19/2013 22:58	1	C12348.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/13		12/19/2013 23:18	1	C12349.D	DB-624 (60.25) 0.25(mm)
ICV 280-206019/14		12/19/2013 23:57	1	C12351.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/15		12/20/2013 00:37	1	C12353.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/16		12/20/2013 00:57	1	C12354.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/17		12/20/2013 01:17	1	C12355.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/18		12/20/2013 01:36	1	C12356.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/19		12/20/2013 01:56	1	C12357.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/20		12/20/2013 02:16	1	C12358.D	DB-624 (60.25) 0.25(mm)
IC 280-206019/21		12/20/2013 02:36	1	C12359.D	DB-624 (60.25) 0.25(mm)
ICV 280-206019/22		12/20/2013 03:15	1	C12361.D	DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Start Date: 12/23/2013 08:01

Analysis Batch Number: 206305 End Date: 12/23/2013 18:43

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-206305/1		12/23/2013 08:01	1	C12450.D	DB-624 (60.25) 0.25(mm)
CCV 280-206305/2		12/23/2013 08:45	1	C12452.D	DB-624 (60.25) 0.25(mm)
CCV 280-206305/3		12/23/2013 09:05	1	C12453.D	DB-624 (60.25) 0.25(mm)
CCV 280-206305/9		12/23/2013 09:25	1	C12454.D	DB-624 (60.25) 0.25(mm)
CCV 280-206305/10		12/23/2013 09:45	1	C12455.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 10:05	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 10:25	1		DB-624 (60.25) 0.25(mm)
LCS 280-206207/2-A		12/23/2013 10:44	1	C12458.D	DB-624 (60.25) 0.25(mm)
LB 280-206207/1-A		12/23/2013 11:04	1	C12459.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 11:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 11:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 12:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 12:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 13:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 13:25	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 13:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 14:05	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 14:25	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 14:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 15:05	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 15:25	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 15:45	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 16:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 16:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 16:44	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 17:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 17:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 17:44	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 18:03	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 18:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/23/2013 18:43	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: VMS_C Start Date: 12/24/2013 06:55

Analysis Batch Number: 206457 End Date: 12/24/2013 16:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-206457/1		12/24/2013 06:55	1	C12483.D	DB-624 (60.25) 0.25(mm)
CCV 280-206457/2		12/24/2013 07:39	1	C12485.D	DB-624 (60.25) 0.25(mm)
CCV 280-206457/3		12/24/2013 07:59	1	C12486.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 08:19	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 08:39	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 09:13	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 09:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 09:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 10:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 10:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 10:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 11:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 11:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 11:52	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 12:12	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 12:32	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 12:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 13:11	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 13:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 13:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 14:11	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 14:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 14:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 15:11	1		DB-624 (60.25) 0.25(mm)
280-50385-1	AOI72TCLP01AA	12/24/2013 15:30	1	C12508.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 15:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		12/24/2013 16:10	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA Continuing Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: C 12-24-13 Work List 18567

Check Method Used: Analysis ☐ 624 ☒ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
6. Label number of standard used recorded?	✓			✓	
7. Manual integrations documented and checked?			✓	✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	
9. Does this CCV pass Q4 criteria?		✓		✓	

ethylene oxide +67.8%
2-chloro-1,3-butadiene +41.7%
tert-butyl ethyl ether +35.2%
} NCM if targets

~~Carbon tetrachloride 35.5~~ ✓,
OK 12/24/13

1st Level Reviewer: [signature] Date: 12-24-13

2nd Level Reviewer: [signature] Date: 12/24/13

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: C

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 06:55 ~ 16:10

TUN 12-26-13

Lims Batch : 206457

```
   Sequence Name: C:\msdchem\1\sequence\122413am.S
         Comment:
        Operator: wickhamt
       Data Path: C:\MSDCHEM\1\DATA\122413am\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

   Method Sections To Run      On A Barcode Mismatch
    (X) Full Method              (X) Inject Anyway
    ( ) Reprocessing Only        ( ) Don't Inject
```

Line					Sample Name/Misc Info
1)	Sample	100	C12483	BFB	bfb 06:55
2)	Sample	10	C12484	8260	blank
3)	Sample	11	C12485	8260	ccv m
4)	Sample	12	C12486	8260	ccv s
5)	Sample	13	C12487	8260	lcs
6)	Sample	14	C12488	8260	mb af
7)	Sample	15	C12489	8260	280-50528-A-15 20 ml ph<2
8)	Sample	16	C12490	8260	280-50528-G-1 20 ml ph<2
9)	Sample	17	C12491	8260	280-50528-G-2 20 ml ph<2 SS↓,RR below
10)	Sample	18	C12492	8260	280-50528-F-2 ms 20 ml ph<2
11)	Sample	19	C12493	8260	280-50528-F-2 msd 20 ml ph<2
12)	Sample	20	C12494	8260	280-50528-g-2 20 ml ph<2
13)	Sample	21	C12495	8260	280-50528-E-3 20 ml ph<2 af
14)	Sample	22	C12496	8260	280-50528-F-4 20 ml ph<2
15)	Sample	23	C12497	8260	280-50528-F-5 20 ml ph<2
16)	Sample	24	C12498	8260	280-50528-F-6 20 ml ph<2
17)	Sample	25	C12499	8260	280-50528-G-7 20 ml ph<2
18)	Sample	26	C12500	8260	280-50528-F-8 20 ml ph<2
19)	Sample	27	C12501	8260	280-50528-G-9 20 ml ph<2
20)	Sample	28	C12502	8260	280-50528-F-10 20 ml ph<2 SS↓,RR @20mL
21)	Sample	29	C12503	8260	280-50528-F-11 20 ml ph<2
22)	Sample	30	C12504	8260	280-50528-G-12 20 ml ph<2
23)	Sample	31	C12505	8260	280-50528-F-13 20 ml ph<2
24)	Sample	32	C12506	8260	280-50528-F-14 20 ml ph<2
25)	Sample	33	C12507	8260	280-50481-F-2 20 ml ph<2 af
26)	Sample	34	C12508	8260	280-50385-a-1-b 2ml
27)	Sample	35	C12509	8260	280-50404-b-1-b 2ml
28)	Sample	36	C125100	8260	280-50404-b-2-b 2ml 16:10

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 122413am
Worklist Number: 18567
Instrument Name: VMS_C
Chrom Method: AQ_VMSC_8260
Purge Volume: 20.00
Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_C\20131224-18567.b
Upload Directory: \\Corpalsapp06\280-DN-RawData\Organics\MS\VMS_C
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00016 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0018567-001	# 1 bfb	MV-BFB_00011	BFB		voaWater	1.000000	uL	1.000000
280-0018567-002	# 2 ccv	MV-2 Cleve_00016 MV-Main A_00012 MV-Gas/Ket A_00018 MV-567649-D_00001	CCV		voaWater	20.00	mL	1.000000
280-0018567-003	# 3 ccv	MV-Supp A_00005	CCV		voaWater	20.00	mL	1.000000
280-0018567-004	# 4 lcs	MV-SS 2-Cleve_00009 MV-Main B_00004 MV-Gas/Ket B_00009	LCS		voaWater	20.00	mL	1.000000
280-0018567-005	# 5 lcsd	MV-SS 2-Cleve_00009 MV-Main B_00004 MV-Gas/Ket B_00009	LCSD		voaWater	20.00	mL	1.000000
280-0018567-006	# 6 mb		MB		voaWater	20.00	mL	1.000000
280-0018567-007	# 7 280-32357-A-1		Client		voaWater	20.00	mL	1.000000
280-0018567-008	# 8 280-32357-A-2		Client		voaWater	20.00	mL	1.000000
280-0018567-009	# 9 280-50528-A-15		Client		voaWater	20.00	mL	1.000000
280-0018567-010	#10 280-50528-G-1		Client		voaWater	20.00	mL	1.000000
280-0018567-011	#11 280-50528-G-2		Client		voaWater	20.00	mL	1.000000
280-0018567-012	#12 280-50528-F-2 MS	MV-Main B_00004 MV-SS 2-Cleve_00009 MV-Gas/Ket B_00009	MS		voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0018567-013	#13 280-50528-F-2 MSD	MV-Main B_00004 MV-SS 2-Cleve_00009 MV-Gas/Ket B_00009	MSD		voaWater	20.00	mL	1.000000
280-0018567-031	#31 280-50528-G-2		Client		voaWater	20.00	mL	1.000000
280-0018567-014	#14 280-50528-E-3		Client		voaWater	20.00	mL	1.000000
280-0018567-015	#15 280-50528-F-4		Client		voaWater	20.00	mL	1.000000
280-0018567-016	#16 280-50528-F-5		Client		voaWater	20.00	mL	1.000000
280-0018567-017	#17 280-50528-F-6		Client		voaWater	20.00	mL	1.000000
280-0018567-018	#18 280-50528-G-7		Client		voaWater	20.00	mL	1.000000
280-0018567-019	#19 280-50528-F-8		Client		voaWater	20.00	mL	1.000000
280-0018567-020	#20 280-50528-G-9		Client		voaWater	20.00	mL	1.000000
280-0018567-021	#21 280-50528-F-10		Client		voaWater	20.00	mL	1.000000
280-0018567-022	#22 280-50528-F-11		Client		voaWater	20.00	mL	1.000000
280-0018567-023	#23 280-50528-G-12		Client		voaWater	20.00	mL	1.000000
280-0018567-024	#24 280-50528-F-13		Client		voaWater	20.00	mL	1.000000
280-0018567-025	#25 280-50528-F-14		Client		voaWater	20.00	mL	1.000000
280-0018567-026	#26 280-50481-F-2		Client		voaWater	20.00	mL	1.000000
280-0018567-027	#27 280-50385-A-1-B		Client		voaWater	2.000000	mL	1.000000
280-0018567-028	#28 280-50404-B-1-B		Client		voaWater	2.000000	mL	1.000000
280-0018567-029	#29 280-50404-B-2-B		Client		voaWater	2.000000	mL	1.000000

Main/GAS/ZCLEVE

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: C 12/06/13pm ICAL Batch/ICV lines 204240 —
Calibration Event 164467 Work List 18141 2nd Day Batch/ICV lines 204715 15+16

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☑ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?	✓			✓	New Column Most Analytes required MI It is documented in THLS!
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	* Isobutyl Alcohol +116.2 NCM

NON-DOD
2-Pentanone -36.9%
Dichlorofluoromethane -23.5%

1st Level Reviewer: _____ Date: 12/11/13

2nd Level Reviewer: _____ Date: 12/13/13

Not Good for Afcee

Sequence Name: C:\msdchem\1\sequence\120613pm.S
Comment:
Operator: contrerase
Data Path: C:\MSDCHEM\1\DATA\120613pm\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

WL 18141
Batch 204240

12/11/13

Line					Sample Name/Misc Info
1)	Sample	100	C12119	BFB	bfb 1608
2)	Sample	10	C12120	8260	blank
3)	Sample	11	C12121	8260	ic
4)	Sample	12	C12122	8260	ic
5)	Sample	13	C12123	8260	ic
6)	Sample	14	C12124	8260	ic
7)	Sample	15	C12125	8260	ic
8)	Sample	16	C12126	8260	ic
9)	Sample	17	C12127	8260	ic
10)	Sample	18	C12128	8260	blank
11)	Sample	19	C12129	8260	icv DNR Reshoot with Newer Standard
12)	Sample	20	C12130	8260	blank
13)	Command				
14)	Sample	21	C12131	8260	ic
15)	Sample	22	C12132	8260	ic
16)	Sample	23	C12133	8260	ic
17)	Sample	24	C12134	8260	icis
18)	Sample	25	C12135	8260	ic
19)	Sample	26	C12136	8260	ic
20)	Sample	27	C12137	8260	blank
21)	Sample	28	C12138	8260	icv 2257

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: C

DV-MS-0010(8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1608

Lims Batch : 204240

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: C

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 2306

Lims Batch : 209715

12/11/13

Sequence Name: C:\MSDCHEM\1\SEQUENCE\121013PM.S
Comment:
Operator: contrerase
Data Path: C:\MSDCHEM\1\DATA\121013pm\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

wk 18227
Batch 209715

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info		
1)	Sample	100	C12140	BFB	bfb
2)	Sample	100	C12141	BFB	bfb 2306
3)	Sample	10	C12142	BFB	blank
4)	Sample	11	C12143	8260	icv GAS Dual spike acrolein BR gases
5)	Sample	12	C12144	8260	icv gas only 0032

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 120613pm Full ICAL Worklist Number: 18141
Instrument Name: VMS_C Chrom Method: AQ_VMSC_8260
Purge Volume: 20.00 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_C\20131206-18141.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_C
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00012 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0018141-001	# 1 bfb	MV-BFB_00011	BFB		voaWater	1.000000	uL	1.000000
280-0018141-002	# 2 ccv	MV-2 Cleve_00016 MV-567649-D_00001 MV-Main A_00012 MV-Gas/Ket A_00014	CCV		voaWater	20.00	mL	1.000000
280-0018141-003	# 3 ccv	MV-Supp A_00005	CCV		voaWater	20.00	mL	1.000000
280-0018141-004	# 4 lcs	MV-Main B_00002 MV-Gas/Ket B_00007 MV-SS 2-Cleve_00009 Acrolein B_00009	LCS		voaWater	20.00	mL	1.000000
280-0018141-005	# 5 mb		MB		voaWater	20.00	mL	1.000000
280-0018141-006	# 6 280-32357-A-1		Client		voaWater	20.00	mL	1.000000
280-0018141-007	# 7 280-32357-A-2		Client		voaWater	20.00	mL	1.000000
280-0018141-008	# 8 ic	MV-2 Cleve_00016 MV-Main A_00012 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	1	voaWater	20.00	mL	1.000000
280-0018141-009	# 9 ic	MV-2 Cleve_00016 MV-Main A_00012 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	2	voaWater	20.00	mL	1.000000
280-0018141-010	#10 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00012 MV-Gas/Ket A_00014	IC	3	voaWater	20.00	mL	1.000000
280-0018141-011	#11 ic	MV-Main A_00012 MV-2 Cleve_00016 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	4	voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0018141-012	#12 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00012 MV-Gas/Ket A_00014	IC	5	voaWater	20.00	mL	1.000000
280-0018141-013	#13 ic	MV-Main A_00012 MV-2 Cleve_00016 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	6	voaWater	20.00	mL	1.000000
280-0018141-014	#14 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00012 MV-Gas/Ket A_00014	IC	7	voaWater	20.00	mL	1.000000
280-0018141-015	#15 icv	MV-Main B_00002 MV-SS 2-Cleve_00009 MV-567649-D_00001 MV-Gas/Ket B_00007 Acrolein B_00009	ICV		voaWater	20.00	mL	1.000000
280-0018141-016	#16 ic	Freon_A_00002 MV-Supp A_00005 MV-567649-D_00001 MV-ARCH SS A_00012	IC	2	voaWater	20.00	mL	1.000000
280-0018141-017	#17 ic	MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002 MV-567649-D_00001	IC	3	voaWater	20.00	mL	1.000000
280-0018141-018	#18 ic	MV-567649-D_00001 MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002	IC	4	voaWater	20.00	mL	1.000000
280-0018141-019	#19 icis	MV-567649-D_00001 MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002	ICIS	5	voaWater	20.00	mL	1.000000
280-0018141-020	#20 ic	Freon_A_00002 MV-Supp A_00005 MV-ARCH SS A_00012 MV-567649-D_00001	IC	6	voaWater	20.00	mL	1.000000
280-0018141-021	#21 ic	MV-567649-D_00001 MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002	IC	7	voaWater	20.00	mL	1.000000
280-0018141-022	#22 icv	MV-ARCH SS A_00012 Freon_B_00002 MV-Supp B_00002 MV-567649-D_00001	ICV		voaWater	20.00	mL	1.000000

SURR/SURR/FREON

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: C 12/06/13pm ICAL Batch/ICV lines 204240 ICIS 19 ICV 22
Calibration Event 104606 Work List 18141 2nd Day Batch/ICV lines —

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☑ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?	✓			✓	Most Analytes required MI they are documented in TALS
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	* Ethyl acetate +85.8% * N-Butyl acetate +76.9% NCM

1st Level Reviewer: _____ Date: 12/11/13

2nd Level Reviewer: _____ Date: 12/13/13

Revision 4
03/27/2013
G:\QA\Edit\FORMS\Data Review\MS VOA\GCMS VOA ICAL Rev 4.doc

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: C

DV-MS-0010(8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1608

Lims Batch : 204240

12/11/13

WL 18141
Batch 204240

Sequence Name: C:\msdchem\1\sequence\120613pm.S
Comment:
Operator: contrerase
Data Path: C:\MSDCHEM\1\DATA\120613pm\
Instrument Control Pre-Seq Cmd:
Data Analysis Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line			Sample Name/Misc Info		
1)	Sample	100	C12119	BFB	bfb 1608
2)	Sample	10	C12120	8260	blank
3)	Sample	11	C12121	8260	ic
4)	Sample	12	C12122	8260	ic
5)	Sample	13	C12123	8260	ic
6)	Sample	14	C12124	8260	ic
7)	Sample	15	C12125	8260	ic
8)	Sample	16	C12126	8260	ic
9)	Sample	17	C12127	8260	ic
10)	Sample	18	C12128	8260	blank
11)	Sample	19	C12129	8260	icv DNR Reshoot with Newer Standard
12)	Sample	20	C12130	8260	blank
13)	Command				
14)	Sample	21	C12131	8260	ic
15)	Sample	22	C12132	8260	ic
16)	Sample	23	C12133	8260	ic
17)	Sample	24	C12134	8260	icis
18)	Sample	25	C12135	8260	ic
19)	Sample	26	C12136	8260	ic
20)	Sample	27	C12137	8260	blank
21)	Sample	28	C12138	8260	icv 2257

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Denver

Instrument: C

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 2306

Lims Batch : 204715

12/11/13

```
   Sequence Name: C:\MSDCHEM\1\SEQUENCE\121013PM.S
         Comment:
        Operator: contrerase
       Data Path: C:\MSDCHEM\1\DATA\121013pm\
Instrument Control  Pre-Seq Cmd:
Data Analysis       Pre-Seq Cmd:

Instrument Control Post-Seq Cmd:
Data Analysis      Post-Seq Cmd:

   Method Sections To Run      On A Barcode Mismatch
     (X) Full Method             (X) Inject Anyway
     ( ) Reprocessing Only       ( ) Don't Inject
```

WL 18227
Batch 204715

Line					Sample Name/Misc Info
1)	Sample	100	C12140	BFB	bfb
2)	Sample	100	C12141	BFB	bfb 2306
3)	Sample	10	C12142	BFB	blank
4)	Sample	11	C12143	8260	icv GAS Double spike acrolein BZ gases
5)	Sample	12	C12144	8260	icv gas only 0032

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 120613pm Full ICAL Worklist Number: 18141
Instrument Name: VMS_C Chrom Method: AQ_VMSC_8260
Purge Volume: 20.00 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_C\20131206-18141.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_C
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00012 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0018141-001	# 1 bfb	MV-BFB_00011	BFB		voaWater	1.000000	uL	1.000000
280-0018141-002	# 2 ccv	MV-2 Cleve_00016 MV-567649-D_00001 MV-Main A_00012 MV-Gas/Ket A_00014	CCV		voaWater	20.00	mL	1.000000
280-0018141-003	# 3 ccv	MV-Supp A_00005	CCV		voaWater	20.00	mL	1.000000
280-0018141-004	# 4 lcs	MV-Main B_00002 MV-Gas/Ket B_00007 MV-SS 2-Cleve_00009 Acrolein B_00009	LCS		voaWater	20.00	mL	1.000000
280-0018141-005	# 5 mb		MB		voaWater	20.00	mL	1.000000
280-0018141-006	# 6 280-32357-A-1		Client		voaWater	20.00	mL	1.000000
280-0018141-007	# 7 280-32357-A-2		Client		voaWater	20.00	mL	1.000000
280-0018141-008	# 8 ic	MV-2 Cleve_00016 MV-Main A_00012 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	1	voaWater	20.00	mL	1.000000
280-0018141-009	# 9 ic	MV-2 Cleve_00016 MV-Main A_00012 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	2	voaWater	20.00	mL	1.000000
280-0018141-010	#10 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00012 MV-Gas/Ket A_00014	IC	3	voaWater	20.00	mL	1.000000
280-0018141-011	#11 ic	MV-Main A_00012 MV-2 Cleve_00016 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	4	voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0018141-012	#12 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00012 MV-Gas/Ket A_00014	IC	5	voaWater	20.00	mL	1.000000
280-0018141-013	#13 ic	MV-Main A_00012 MV-2 Cleve_00016 MV-567649-D_00001 MV-Gas/Ket A_00014	IC	6	voaWater	20.00	mL	1.000000
280-0018141-014	#14 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00012 MV-Gas/Ket A_00014	IC	7	voaWater	20.00	mL	1.000000
280-0018141-015	#15 icv	MV-Main B_00002 MV-SS 2-Cleve_00009 MV-567649-D_00001 MV-Gas/Ket B_00007 Acrolein B_00009	ICV		voaWater	20.00	mL	1.000000
280-0018141-016	#16 ic	Freon_A_00002 MV-Supp A_00005 MV-567649-D_00001 MV-ARCH SS A_00012	IC	2	voaWater	20.00	mL	1.000000
280-0018141-017	#17 ic	MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002 MV-567649-D_00001	IC	3	voaWater	20.00	mL	1.000000
280-0018141-018	#18 ic	MV-567649-D_00001 MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002	IC	4	voaWater	20.00	mL	1.000000
280-0018141-019	#19 icis	MV-567649-D_00001 MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002	ICIS	5	voaWater	20.00	mL	1.000000
280-0018141-020	#20 ic	Freon_A_00002 MV-Supp A_00005 MV-ARCH SS A_00012 MV-567649-D_00001	IC	6	voaWater	20.00	mL	1.000000
280-0018141-021	#21 ic	MV-567649-D_00001 MV-ARCH SS A_00012 MV-Supp A_00005 Freon_A_00002	IC	7	voaWater	20.00	mL	1.000000
280-0018141-022	#22 icv	MV-ARCH SS A_00012 Freon_B_00002 MV-Supp B_00002 MV-567649-D_00001	ICV		voaWater	20.00	mL	1.000000

01/02/2014

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206207 Batch Start Date: 12/20/13 17:15 Batch Analyst: Wiggins, Joshua J

Batch Method: 1311 Batch End Date: 12/21/13 09:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-206207/1		1311, 8260B		T1					
LCS 280-206207/2		1311, 8260B		T1					
280-50385-A-1	AOI72TCLP01AA	1311, 8260B	P	T1					

Batch Notes	
First End time	12/21/13 09:25
First Start time	12/20/13 17:15

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270C

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

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Matrix: Solid (TCLP) Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
AOI72TCLP01AA	280-50385-1	85	78	88	86	97	103
	LB 280-206192/1-D	71	64	78	79	92	104
	LCS 280-206192/2-D	86	79	92	93	99	104
AOI72TCLP01AA MS	280-50385-1 MS	82	75	87	87	99	100
AOI72TCLP01AA MSD	280-50385-1 MSD	81	75	86	86	97	101

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

Column to be used to flag recovery values

FORM II 8270C

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Matrix: Solid (TCLP) Level: Low Lab File ID: D3065.D

Lab ID: LCS 280-206192/2-D Client ID:

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC	QC LIMITS REC	#
2-Methylphenol	0.250	0.231	92	45-120	
3 & 4 Methylphenol	0.500	0.469	94	44-120	
1,4-Dichlorobenzene	0.250	0.214	86	36-120	
2,4-Dinitrotoluene	0.100	0.0757	76	36-120	
Hexachlorobenzene	0.100	0.0990	99	52-120	
Hexachlorobutadiene	0.250	0.210	84	35-120	
Hexachloroethane	0.250	0.206	82	35-120	
Nitrobenzene	0.250	0.239	96	50-120	
Pentachlorophenol	0.500	0.523	105	39-120	
Pyridine	0.250	0.169	68	10-121	
2,4,6-Trichlorophenol	0.250	0.245	98	43-120	
2,4,5-Trichlorophenol	0.250	0.254	101	46-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Matrix: Solid (TCLP) Level: Low Lab File ID: D3083.D

Lab ID: 280-50385-1 MS Client ID: AOI72TCLP01AA MS

COMPOUND	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC	QC LIMITS REC	#
2-Methylphenol	0.250	0.020 U	0.225	90	45-120	
3 & 4 Methylphenol	0.500	0.0050 U	0.466	93	44-120	
1,4-Dichlorobenzene	0.250	0.0050 U	0.186	75	36-120	
2,4-Dinitrotoluene	0.100	0.020 U	0.0828	83	36-120	
Hexachlorobenzene	0.100	0.0050 U	0.0979	98	52-120	
Hexachlorobutadiene	0.250	0.050 U	0.174	70	35-120	
Hexachloroethane	0.250	0.020 U	0.152	61	35-120	
Nitrobenzene	0.250	0.010 U	0.227	91	50-120	
Pentachlorophenol	0.500	0.20 U	0.447	89	39-120	
Pyridine	0.250	0.010 U	0.104	42	10-121	
2,4,6-Trichlorophenol	0.250	0.0050 U	0.244	98	43-120	
2,4,5-Trichlorophenol	0.250	0.0050 U	0.251	100	46-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Matrix: Solid (TCLP) Level: Low Lab File ID: D3084.D

Lab ID: 280-50385-1 MSD Client ID: AOI72TCLP01AA MSD

COMPOUND	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
2-Methylphenol	0.250	0.220	88	2	30	45-120	
3 & 4 Methylphenol	0.500	0.461	92	1	30	44-120	
1,4-Dichlorobenzene	0.250	0.196	78	5	30	36-120	
2,4-Dinitrotoluene	0.100	0.0816	82	2	30	36-120	
Hexachlorobenzene	0.100	0.0974	97	1	30	52-120	
Hexachlorobutadiene	0.250	0.190	76	9	30	35-120	
Hexachloroethane	0.250	0.166	66	9	30	35-120	
Nitrobenzene	0.250	0.226	90	0	30	50-120	
Pentachlorophenol	0.500	0.453	91	1	30	39-120	
Pyridine	0.250	0.188	75	58	30	10-121	J
2,4,6-Trichlorophenol	0.250	0.241	96	1	30	43-120	
2,4,5-Trichlorophenol	0.250	0.248	99	1	30	46-120	

Column to be used to flag recovery and RPD values

FORM III 8270C

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab File ID: D3013.D DFTPP Injection Date: 12/26/2013

Instrument ID: SMS_D DFTPP Injection Time: 08:17

Analysis Batch No.: 206625

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	37.9	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	44.4	
70	Less than 2.0 % of mass 69	0.2	(0.4)1
127	40.0 - 60.0 % of mass 198	54.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	20.8	
365	Greater than 1.0 % of mass 198	3.2	
441	Present but less than mass 443	3.0	(20.9)3
442	Greater than 40.0 % of mass 198	67.8	
443	17.0 - 23.0 % of mass 442	14.3	(21.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-206625/2	D3014.D	12/26/2013	08:32
	IC 280-206625/3	D3015.D	12/26/2013	08:59
	IC 280-206625/4	D3016.D	12/26/2013	09:27
	ICIS 280-206625/5	D3017.D	12/26/2013	09:54
	IC 280-206625/6	D3018.D	12/26/2013	10:22
	IC 280-206625/7	D3019.D	12/26/2013	10:49
	IC 280-206625/8	D3020.D	12/26/2013	11:16
	IC 280-206625/9	D3021.D	12/26/2013	11:44
	ICV 280-206625/10	D3022.D	12/26/2013	12:11
	ICV 280-206625/11	D3023.D	12/26/2013	12:39
	ICV 280-206625/12	D3024.D	12/26/2013	13:06

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab File ID: D3059.D DFTPP Injection Date: 12/27/2013

Instrument ID: SMS_D DFTPP Injection Time: 07:35

Analysis Batch No.: 206732

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	39.5	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	45.8	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	56.6	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.1	
275	10.0 - 30.0 % of mass 198	20.9	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	5.1	(38.0)3
442	Greater than 40.0 % of mass 198	69.7	
443	17.0 - 23.0 % of mass 442	13.5	(19.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-206732/2	D3060.D	12/27/2013	07:50
	LB 280-206192/1-D	D3064.D	12/27/2013	09:38
	LCS 280-206192/2-D	D3065.D	12/27/2013	10:05
AOI72TCLP01AA	280-50385-1	D3082.D	12/27/2013	17:55
AOI72TCLP01AA MS	280-50385-1 MS	D3083.D	12/27/2013	18:23
AOI72TCLP01AA MSD	280-50385-1 MSD	D3084.D	12/27/2013	18:50

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Sample No.: ICIS 280-206625/5 Date Analyzed: 12/26/2013 09:54

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

Lab File ID (Standard): D3017.D Heated Purge: (Y/N) N

Calibration ID: 16605

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		427326	4.41	1672366	5.45	983009	6.93
UPPER LIMIT		854652	4.91	3344732	5.95	1966018	7.43
LOWER LIMIT		213663	3.91	836183	4.95	491505	6.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-206625/10		342260	4.41	1342966	5.45	787893	6.93
ICV 280-206625/11		350443	4.41	1382389	5.45	817812	6.93
ICV 280-206625/12		420237	4.41	1597241	5.44	925108	6.92
CCV 280-206732/2		331938	4.40	1310621	5.44	765562	6.92
LB 280-206192/1-D		349010	4.40	1343151	5.44	800014	6.92
LCS 280-206192/2-D		346725	4.40	1353860	5.44	789075	6.92
280-50385-1	AOI72TCLP01AA	378731	4.40	1485337	5.45	878973	6.92
280-50385-1 MS	AOI72TCLP01AA MS	374478	4.40	1477974	5.44	867860	6.92
280-50385-1 MSD	AOI72TCLP01AA MSD	371001	4.40	1461140	5.44	863292	6.92

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Sample No.: ICIS 280-206625/5 Date Analyzed: 12/26/2013 09:54

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

Lab File ID (Standard): D3017.D Heated Purge: (Y/N) N

Calibration ID: 16605

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1666371	8.19	1774896	12.02	1550170	16.18
UPPER LIMIT		3332742	8.69	3549792	12.52	3100340	16.68
LOWER LIMIT		833186	7.69	887448	11.52	775085	15.68
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-206625/10		1365610	8.19	1431712	12.01	1152972	16.18
ICV 280-206625/11		1388708	8.19	1468437	12.01	1274393	16.19
ICV 280-206625/12		1607591	8.19	1663245	12.01	1388667	16.18
CCV 280-206732/2		1282227	8.19	1332568	12.00	1144143	16.16
LB 280-206192/1-D		1392449	8.19	1398779	11.99	1183047	16.16
LCS 280-206192/2-D		1392402	8.19	1392733	11.99	1170277	16.15
280-50385-1	AOI72TCLP01AA	1536760	8.19	1539637	11.99	1334372	16.16
280-50385-1 MS	AOI72TCLP01AA MS	1517073	8.18	1543066	12.00	1332031	16.16
280-50385-1 MSD	AOI72TCLP01AA MSD	1497314	8.19	1515396	11.99	1309523	16.16

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

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

Column used to flag values outside QC limits

FORM VIII 8270C

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: AOI72TCLP01AA | Lab Sample ID: 280-50385-1

Matrix: Solid (TCLP) | Lab File ID: D3082.D

Analysis Method: 8270C | Date Collected: 12/13/2013 11:45

Extract. Method: 3510C | Date Extracted: 12/23/2013 21:42

Sample wt/vol: 200(mL) | Date Analyzed: 12/27/2013 17:55

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

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

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

Analysis Batch No.: 206732 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.020	U	0.050	0.020	0.0049
15831-10-4	3 & 4 Methylphenol	0.0050	U	0.050	0.0050	0.0013
STL00160	Total Cresols	0.020	U	0.050	0.020	0.0013
106-46-7	1,4-Dichlorobenzene	0.0050	U	0.020	0.0050	0.0016
121-14-2	2,4-Dinitrotoluene	0.020	U	0.050	0.020	0.0083
118-74-1	Hexachlorobenzene	0.0050	U	0.050	0.0050	0.0033
87-68-3	Hexachlorobutadiene	0.050	U	0.050	0.050	0.017
67-72-1	Hexachloroethane	0.020	U	0.050	0.020	0.011
98-95-3	Nitrobenzene	0.010	U	0.050	0.010	0.0041
87-86-5	Pentachlorophenol	0.20	U	0.25	0.20	0.10
110-86-1	Pyridine	0.010	U J	0.10	0.010	0.0057
88-06-2	2,4,6-Trichlorophenol	0.0050	U	0.025	0.0050	0.0014
95-95-4	2,4,5-Trichlorophenol	0.0050	U	0.050	0.0050	0.0022

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	86		49-120
367-12-4	2-Fluorophenol	85		50-120
4165-62-2	Phenol-d5	78		47-120
118-79-6	2,4,6-Tribromophenol	97		51-120
1718-51-0	Terphenyl-d14	103		56-120
4165-60-0	Nitrobenzene-d5	88		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3082.D
Lims ID: 280-50385-A-1-C Lab Sample ID: 280-50385-1
Client ID: AOI72TCLP01AA
Sample Type: Client
Inject. Date: 27-Dec-2013 17:55:30 ALS Bottle#: 24 Worklist Smp#: 24
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-50385-a-1-c
Misc. Info.: 206455 =206455
Operator ID: hoffmanm Instrument ID: SMS_D

Method: \\Denchrom\ChromData\SMS_D\20131227-18621.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 30-Dec-2013 11:12:58 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK034

First Level Reviewer: hoffmanm Date: 30-Dec-2013 11:07:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.403	4.403	0.0	93	378731	40.0	
* 2 Naphthalene-d8	136	5.445	5.439	0.006	99	1485337	40.0	
* 3 Acenaphthene-d10	164	6.919	6.919	0.0	98	878973	40.0	
* 4 Phenanthrene-d10	188	8.185	8.185	0.0	99	1536760	40.0	
* 5 Chrysene-d12	240	11.994	11.994	0.0	45	1539637	40.0	
* 6 Perylene-d12	264	16.161	16.156	0.005	96	1334372	40.0	
$ 7 2-Fluorophenol	112	3.383	3.382	0.001	99	1033061	85.4	
$ 8 Phenol-d5	99	4.066	4.066	0.0	93	1194056	78.0	
$ 9 Nitrobenzene-d5	82	4.852	4.851	0.001	96	1244309	88.1	
$ 10 2,4,6-Trichlorophenol-d2	198		6.258					
$ 11 2-Fluorobiphenyl	172	6.321	6.320	0.001	82	2278401	85.6	
$ 12 2,4,6-Tribromophenol	330	7.592	7.592	0.0	98	326326	97.4	
$ 13 Terphenyl-d14	244	9.911	9.905	0.006	100	2826875	103.0	
25 Triethyl amine	86		2.070					
27 1,4-Dioxane	88		2.207					
26 2-Ethoxyethanol	59		2.235					
28 N-Nitrosodimethylamine	74		2.426					
29 Pyridine	79		2.469					
30 Dimethylformamide	73		2.738					
31 2-Picoline	93		2.988					
32 N-Nitrosomethylethylamine	88		3.057					
33 Acrylamide	71		3.234					
34 Methyl methanesulfonate	80		3.276					
35 N-Nitrosodiethylamine	102		3.570					
36 Ethyl methanesulfonate	79		3.784					
38 Benzaldehyde	106		4.066					
39 Phenol	94		4.077					
40 Phenylmercaptan	110		4.122					
41 Aniline	93		4.146					
43 Bis(2-chloroethyl)ether	93		4.167					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
42 Alpha Methyl Styrene	118		4.167					
44 Pentachloroethane	117		4.190					
45 n-Decane	43		4.210					
47 2-Chlorophenol	128		4.237					
52 Methyl styrene	118		4.359					
48 1,3-Dichlorobenzene	146		4.360					
49 1,4-Dichlorobenzene	146		4.419					
50 Benzyl alcohol	108		4.493					
51 1,2-Dichlorobenzene	146		4.541					
53 2-Methylphenol	108		4.557					
54 2,2'-oxybis[1-chloropropane]	45		4.579					
55 Indene	116		4.611					
57 3-Methylphenol	108		4.680					
56 3 & 4 Methylphenol	108		4.680					
58 4-Methylphenol	108		4.680					
59 N-Nitrosodi-n-propylamine	70		4.691					
60 N-Nitrosopyrrolidine	100		4.708					
61 Acetophenone	105		4.712					
62 N-Nitrosomorpholine	116		4.735					
63 2-Toluidine	106		4.751					
64 Hexachloroethane	117		4.814					
65 Nitrobenzene	77		4.862					
66 Triethyl phosphate	99		4.907					
67 N-Nitrosopiperidine	114		4.991					
69 Isophorone	82		5.038					
71 2,4-Dimethylphenol	107		5.113					
37 Pentachlorophenol_T	266		5.121					
70 2-Nitrophenol	139		5.124					
73 o,o',o''-Triethylphosphorothioat	198		5.157					
72 Benzyl dichloride	125		5.158					
74 Benzoic acid	105		5.188					
75 Bis(2-chloroethoxy)methane	93		5.193					
76 3,5-Dimethylphenol	107		5.220					
79 alpha,alpha-Dimethyl phenethylam	58		5.274					
78 2,4-Dichlorophenol	162		5.305					
82 1,2,4-Trichlorobenzene	180		5.385					
83 Alpha-Terpineol	59		5.436					
84 Naphthalene	128		5.460					
85 4-Chloroaniline	127		5.492					
86 2,6-Dichlorophenol	162		5.504					
77 2,4-Xylidine	121		5.509					
87 Hexachloropropene	213		5.525					
88 Hexachlorobutadiene	225		5.535					
80 o-Anisidine	80		5.541					
92 N-Nitrosodi-n-butylamine	84		5.734					
91 Quinoline	129		5.744					
93 Caprolactam	55		5.786					
94 p-Phenylene diamine	108		5.792					
96 4-Chloro-3-methylphenol	107		5.866					
97 Safrole, Total	162		5.937					
98 Carbofuran phenol	164		5.954					
101 2-Methylnaphthalene	142		6.027					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
100 4-chlorobenzenethiol	144		6.036					
102 Phthalic anhydride	76		6.087					
103 1-Methylnaphthalene	142		6.117					
104 Hexachlorocyclopentadiene	237		6.149					
105 1,2,4,5-Tetrachlorobenzene	216		6.165					
106 Isosafrole Peak 1	162		6.182					
99 1,3-phenylenediamine	108		6.187					
107 2,4,6-Trichlorophenol	196		6.256					
108 2,3-Dichlorobenzenamine	161		6.272					
109 2,4,5-Trichlorophenol	196		6.288					
68 Benzidine_T	184		6.337					
110 Isosafrole Peak 2	104		6.375					
111 1,1'-Biphenyl	154		6.411					
112 Toluene diamine (2,4- + 2,6- iso	122		6.429					
113 2-Chloronaphthalene	162		6.449					
114 1-Chloronaphthalene	162		6.476					
115 2-Nitroaniline	65		6.534					
116 1,4-Naphthoquinone	158		6.604					
119 Dimethyl phthalate	163		6.646					
118 1,4-Dinitrobenzene	168		6.647					
120 1,3-Dinitrobenzene	168		6.705					
121 2,6-Dinitrotoluene	165		6.721					
117 Methyl 4-chlorophenyl sulfide	158		6.753					
122 Acenaphthylene	152		6.806					
126 1,3-Dimethyl-2,4-Dinitrobenzene	77		6.875					
123 3-Nitroaniline	138		6.881					
124 Acenaphthene	153		6.945					
125 2,4-Dinitrophenol	184		6.961					
129 1,3-Dimethyl-2,5-Dinitrobenzene	179		6.971					
127 4-Nitrophenol	109		6.993					
128 Pentachlorobenzene	250		7.058					
130 2,4-Dinitrotoluene	165		7.063					
131 Dibenzofuran	168		7.090					
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.131					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		7.158					
132 1-Naphthylamine	143		7.171					
133 2,3,4,6-Tetrachlorophenol	232		7.186					
134 Hexadecane	57		7.191					
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		7.222					
137 Diethyl phthalate	149		7.228					
136 2-Naphthylamine	143		7.235					
139 Thionazin	97		7.304					
147 1,5-Dimethyl-2,4-Dinitrobenzene	179		7.345					
141 4-Chlorophenyl phenyl ether	204		7.357					
144 Tributyl phosphate	99		7.375					
142 Fluorene	166		7.383					
143 N-Nitro-o-toluidine	152		7.395					
145 4-Nitroaniline	138		7.405					
146 4,6-Dinitro-2-methylphenol	198		7.410					
152 1,5-Dimethyl-2,3-Dinitrobenzene	179		7.431					
148 N-Nitrosodiphenylamine	169		7.458					
149 Diphenylamine	169		7.464					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
150 Azobenzene	77		7.490					
151 1,2-Diphenylhydrazine	77		7.490					
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		7.527					
154 Sulfotepp	97		7.539					
155 2,4,6 - Tribromophenol	330		7.592					
161 1,2-Dimethyl-3,4-Dinitrobenzene	179		7.650					
158 Diallate Peak 1	86		7.673					
157 1,3,5-Trinitrobenzene	213		7.678					
159 Phorate	121		7.689					
160 Phenacetin	108		7.705					
162 Diallate Peak 2	86		7.758					
163 4-Bromophenyl phenyl ether	248		7.773					
153 n-hydroxymethylphthalimide	147		7.846					
164 Hexachlorobenzene	284		7.848					
167 1,2-Dimethyl-4,5-Dinitrobenzene	91		7.853					
165 Dimethoate	87		7.860					
166 Atrazine	200		7.880					
168 n-Octadecane	85		7.960					
169 Pentachlorophenol	266		8.008					
170 4-Aminobiphenyl	169		8.009					
172 Pronamide	173		8.015					
171 Pentachloronitrobenzene	237		8.020					
174 Disulfoton	88		8.127					
175 Dinoseb	211		8.132					
176 Phenanthrene	178		8.206					
177 Anthracene	178		8.249					
178 Carbazole	167		8.382					
179 Alachlor	188		8.446					
180 Methyl parathion	109		8.469					
173 Phenyl sulfide	186		8.475					
181 Di-n-butyl phthalate	149		8.612					
182 Ethyl Parathion	109		8.827					
184 Methapyrilene	97		8.955					
183 4-Nitroquinoline-1-oxide	190		8.955					
186 Isodrin	193		9.238					
190 Pyrene	202		9.429					
185 Phenyl disulfide	109		9.515					
188 Benzidine	184		9.584					
187 Fluoranthene	202		9.750					
191 Aramite Peak 1	185		9.815					
189 Diphenylsulfone	125		9.844					
192 Aramite Peak 2	185		9.927					
193 p-Dimethylamino azobenzene	120		10.136					
194 Chlorobenzilate	251		10.178					
195 Octachlorostyrene	308		10.220					
199 4,4-Dichlorobenzil	139		10.602					
196 Famphur	218		10.615					
197 Butyl benzyl phthalate	149		10.696					
198 3,3'-Dimethylbenzidine	212		10.750					
203 p-chlorophenyl sulfone	159		10.896					
200 2-Acetylaminofluorene	181		11.268					
202 Bis(2-ethylhexyl) phthalate	149		11.903					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
204 3,3'-Dichlorobenzidine	252		11.924					
205 4,4'-Methylene bis(2-chloroanili	231		11.936					
206 Benzo[a]anthracene	228		11.972					
207 Chrysene	228		12.063					
209 6-Methylchrysene	242		13.239					
208 Di-n-octyl phthalate	149		13.735					
213 Hexachlorophene	196		14.608					
211 Benzo[b]fluoranthene	252		14.943					
210 7,12-Dimethylbenz(a)anthracene	256		14.949					
212 Benzo[k]fluoranthene	252		15.028					
214 Benzo[e]pyrene	252		15.813					
215 Benzo[a]pyrene	252		15.979					
216 Perylene	252		16.301					
217 3-Methylcholanthrene	268		17.134					
218 Tris(2,3-dibromopropyl)phosphate	119		17.856					
219 Dibenz[a,h]acridine	279		18.955					
220 Dibenz[a,j]acridine	279		19.100					
222 Indeno[1,2,3-cd]pyrene	276		19.483					
221 Dibenz(a,h)anthracene	278		19.542					
223 Benzo[g,h,i]perylene	276		19.996					
224 Dibenzo[a,e]pyrene	302		22.819					
23 2-Phenoxyethanol	1		0.0					
21 2,6-Dimethylphenol	1		0.0					
22 2-Butoxyethanol	1		0.0					
20 1,2,3,4-Tetrahydronaphthalene	1		0.0					
89 4,4'-DDE	246		6.632					
81 4,4'-DDD	235		6.752					
90 4,4'-DDT	235		6.960					
S 225 Total Cresols	108		15.496					
S 226 Methyl Phenols,Total	108		15.496					
S 227 Isosafrole	162		15.496					
S 228 Diallate	86		15.496					
S 229 Aramite, Total	185		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 15 Pentachlorodibenzofurans TIC	1		0.0					
T 16 Tetrachlorodibenzofurans TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 24 Pentachlorodibenzo-p-dioxin TIC	1		0.0					

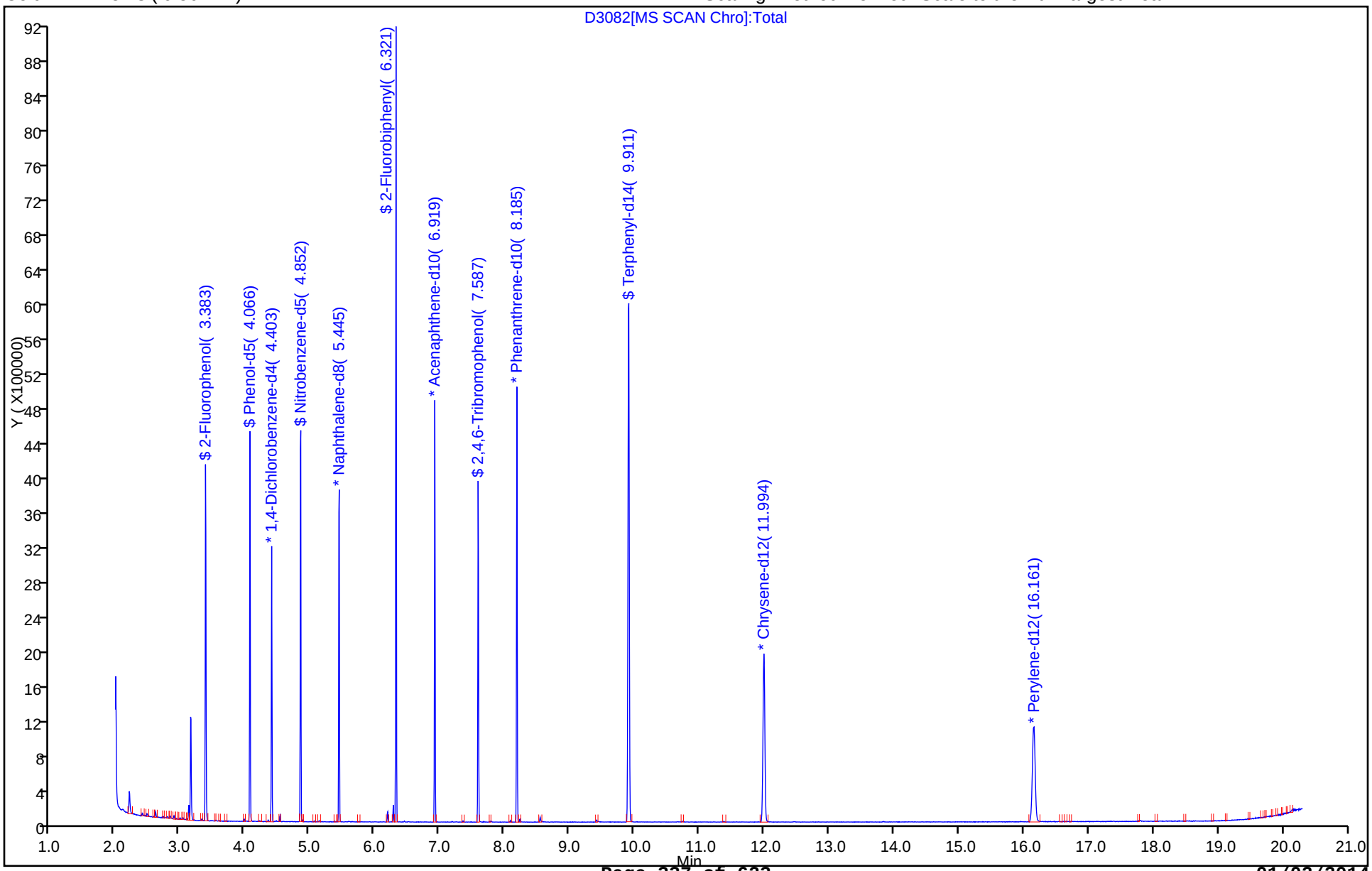
Report Date: 30-Dec-2013 11:13:22 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3082.D

Injection Date:	27-Dec-2013 17:55:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	280-50385-A-1-C	Lab Sample ID:	280-50385-1	Worklist Smp#:	24
Client ID:	AOI72TCLP01AA				
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-206625/9	D3021.D
Level 2	IC 280-206625/8	D3020.D
Level 3	IC 280-206625/7	D3019.D
Level 4	IC 280-206625/6	D3018.D
Level 5	ICIS 280-206625/5	D3017.D
Level 6	IC 280-206625/4	D3016.D
Level 7	IC 280-206625/3	D3015.D
Level 8	IC 280-206625/2	D3014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6678 0.5732	0.6137 0.5714	0.6077 0.5641	0.6042	0.5770	Ave		0.5974				5.7		15.0			
N-Nitrosodimethylamine	0.8657 0.8618	0.8871 0.8636	0.8805 0.8464	0.8804	0.8870	Ave		0.8716				1.7		15.0			
Pyridine	1.5177 1.4894	1.5152 1.4986	1.5225 1.4662	1.5057	1.5136	Ave		1.5036				1.2		15.0			
Phenol	1.7289 1.5852	1.6813 1.5540	1.7172 1.5328	1.6659	1.6392	Ave		1.6381				4.5		15.0			
Aniline	2.1689 2.0123	2.1542 1.9867	2.1450 2.0420	2.0523	2.1104	Ave		2.0840				3.3		15.0			
Alpha Methyl Styrene	1.4100 1.2651	1.3974 1.2241	1.4240 1.1766	1.3546	1.3337	Ave		1.3232				6.9		15.0			
Bis(2-chloroethyl)ether	1.3850 1.2728	1.3516 1.2935	1.4049 1.1047	1.3349	1.2962	Ave		1.3055				7.1		15.0			
n-Decane	1.2020 1.0879	1.1487 1.0598	1.1828 1.0347	1.1360	1.1300	Ave		1.1227				5.2		15.0			
2-Chlorophenol	1.3548 1.3156	1.3667 1.2897	1.4055 1.2551	1.3440	1.3623	Ave		1.3367				3.6		15.0			
1,3-Dichlorobenzene	1.5165 1.3990	1.5392 1.3648	1.5425 1.3401	1.4639	1.4635	Ave		1.4537				5.4		15.0			
1,4-Dichlorobenzene	1.6229 1.4289	1.5285 1.3881	1.5457 1.3479	1.5086	1.4627	Ave		1.4792				6.1		15.0			
Benzyl alcohol	0.8612 0.8876	0.8562 0.8854	0.9116 0.8629	0.9080	0.9143	Ave		0.8859				2.7		15.0			
1,2-Dichlorobenzene	1.5082 1.3514	1.4726 1.3256	1.4920 1.3039	1.4241	1.4165	Ave		1.4118				5.5		15.0			
2-Methylphenol	1.3410 1.2520	1.2839 1.2377	1.3353 1.2074	1.2926	1.3086	Ave		1.2823				3.7		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	1.5727 1.4857	1.5565 1.4607	1.5727 1.4459	1.5350	1.5394	Ave		1.5211				3.3		15.0			
Indene	2.3320 2.1363	2.2777 2.0864	2.3340 1.9969	2.2345	2.2366	Ave		2.2043				5.5		15.0			
3 & 4 Methylphenol	1.3025 1.2858	1.3532 1.2737	1.3517 1.2525	1.3342	1.3394	Ave		1.3116				2.9		15.0			
3-Methylphenol	1.3025 1.2858	1.3532 1.2737	1.3517 1.2525	1.3342	1.3394	Ave		1.3116				2.9		15.0			
4-Methylphenol	1.3025 1.2858	1.3532 1.2737	1.3517 1.2525	1.3342	1.3394	Ave		1.3116				2.9		15.0			
N-Nitrosodi-n-propylamine	0.9458 0.9595	0.9858 0.9445	0.9998 0.9182	0.9686	0.9833	Ave		0.9632			0.0500	2.8		15.0			
Acetophenone	1.9509 1.8039	1.9308 1.7727	1.9547 1.7180	1.8830	1.8921	Ave		1.8633				4.7		15.0			
Hexachloroethane	0.5933 0.5646	0.5881 0.5550	0.6003 0.5421	0.5869	0.5887	Ave		0.5774				3.6		15.0			
Nitrobenzene	0.3753 0.3667	0.3833 0.3562	0.3950 0.3399	0.3820	0.3820	Ave		0.3725				4.7		15.0			
Isophorone	0.6197 0.6198	0.6276 0.6078	0.6569 0.5761	0.6500	0.6437	Ave		0.6252				4.2		15.0			
2,4-Dimethylphenol	0.3328 0.3281	0.3443 0.3155	0.3551 0.2988	0.3530	0.3445	Ave		0.3340				5.8		15.0			
2-Nitrophenol	0.1541 0.1734	0.1702 0.1685	0.1807 0.1589	0.1805	0.1799	Ave		0.1708				5.9		15.0			
Benzoic acid	0.1764 0.2918	0.2181 0.2866	0.2534 0.2755	0.2766	0.2778	Lin2	-0.918	0.2830							0.9980		0.9900
Bis(2-chloroethoxy)methane	0.4042 0.3732	0.4013 0.3634	0.4125 0.3474	0.3999	0.3863	Ave		0.3860				5.9		15.0			
3,5-Dimethylphenol	0.3524 0.3425	0.3584 0.3243	0.3656 0.3085	0.3574	0.3562	Ave		0.3457				5.7		15.0			
2,4-Dichlorophenol	0.2771 0.2742	0.2803 0.2699	0.2935 0.2568	0.2830	0.2850	Ave		0.2775				4.0		15.0			
1,2,4-Trichlorobenzene	0.3156 0.2843	0.3157 0.2754	0.3126 0.2656	0.3049	0.3001	Ave		0.2968				6.5		15.0			
Naphthalene	1.0506 0.8943	1.0215 0.8279	1.0271 0.7375	0.9905	0.9653	Ave		0.9393				12.0		15.0			
4-Chloroaniline	0.4546 0.4211	0.4402 0.4086	0.4529 0.3904	0.4397	0.4359	Ave		0.4304				5.2		15.0			
Hexachlorobutadiene	0.1841 0.1700	0.1838 0.1669	0.1863 0.1589	0.1798	0.1776	Ave		0.1759				5.5		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Caprolactam	0.1053 0.1447	0.1261 0.1448	0.1310 0.1402	0.1474	0.1464	Ave		0.1357				11.0		15.0			
4-Chloro-3-methylphenol	0.2820 0.2885	0.2931 0.2818	0.3001 0.2714	0.3011	0.2990	Ave		0.2896				3.7		15.0			
2-Methylnaphthalene	0.6928 0.6089	0.6670 0.5831	0.6822 0.5506	0.6569	0.6492	Ave		0.6363				7.9		15.0			
1-Methylnaphthalene	0.6297 0.5701	0.6109 0.5490	0.6349 0.5178	0.6183	0.6002	Ave		0.5914				7.1		15.0			
Hexachlorocyclopentadiene	0.2591 0.3245	0.2731 0.3154	0.3002 0.3172	0.3134	0.3226	Ave		0.3032			0.0500	8.0		15.0			
1,2,4,5-Tetrachlorobenzene	0.3200 0.2814	0.3057 0.2775	0.3077 0.2638	0.2991	0.2931	Ave		0.2935				6.3		15.0			
2,4,6-Trichlorophenol	0.3176 0.3472	0.3309 0.3362	0.3570 0.3285	0.3495	0.3575	Ave		0.3406				4.3		15.0			
2,3-Dichlorobenzenamine	0.6057 0.5700	0.6079 0.5487	0.6190 0.5378	0.5923	0.5836	Ave		0.5831				5.0		15.0			
2,4,5-Trichlorophenol	0.3390 0.3719	0.3589 0.3571	0.3785 0.3568	0.3725	0.3722	Ave		0.3634				3.5		15.0			
1,1'-Biphenyl	1.4272 1.2346	1.3741 1.1656	1.3696 1.1131	1.3347	1.3118	Ave		1.2913				8.5		15.0			
2-Chloronaphthalene	1.0905 1.0061	1.1059 0.9497	1.1073 0.9241	1.0532	1.0454	Ave		1.0353				6.7		15.0			
2-Nitroaniline	0.2777 0.3396	0.3148 0.3218	0.3325 0.3193	0.3399	0.3444	Ave		0.3238				6.6		15.0			
Dimethyl phthalate	1.1940 1.1459	1.2043 1.0953	1.2459 1.0623	1.2041	1.1850	Ave		1.1671				5.3		15.0			
1,3-Dinitrobenzene	0.1450 0.2056	0.1735 0.2018	0.1935 0.2001	0.2037	0.2083	Ave		0.1914				11.0		15.0			
2,6-Dinitrotoluene	0.2513 0.2762	0.2883 0.2634	0.2811 0.2573	0.2774	0.2823	Ave		0.2721				4.8		15.0			
Acenaphthylene	1.6248 1.5455	1.6702 1.4214	1.6779 1.2981	1.6301	1.6161	Ave		1.5605				8.6		15.0			
3-Nitroaniline	0.2935 0.3339	0.3136 0.3267	0.3379 0.3249	0.3362	0.3396	Ave		0.3258				4.8		15.0			
Acenaphthene	1.0928 0.9722	1.0614 0.9219	1.0839 0.8804	1.0396	1.0071	Ave		1.0074				7.7		15.0			
2,4-Dinitrophenol	0.0810 0.1917	0.1122 0.1903	0.1491 0.1882	0.1788	0.1897	Lin2	-0.949	0.1869			0.0500				0.9930		0.9900
4-Nitrophenol	0.1877 0.2044	0.2091 0.1965	0.2206 0.1926	0.2170	0.2129	Ave		0.2051			0.0500	5.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrotoluene	0.3185 0.3710	0.3498 0.3619	0.3867 0.3554	0.3830	0.3798	Ave		0.3633				6.2		15.0			
Dibenzofuran	1.6026 1.3631	1.5335 1.2875	1.5349 1.2177	1.4631	1.4342	Ave		1.4296				9.3		15.0			
2,3,4,6-Tetrachlorophenol	0.2458 0.2873	0.2694 0.2801	0.2949 0.2663	0.3014	0.2937	Ave		0.2799				6.6		15.0			
Hexadecane	0.6364 0.6157	0.6580 0.5729	0.6793 0.5464	0.6606	0.6376	Ave		0.6259				7.3		15.0			
Diethyl phthalate	1.2848 1.1322	1.2404 1.0714	1.2615 1.0243	1.2073	1.1942	Ave		1.1770				7.9		15.0			
4-Chlorophenyl phenyl ether	0.5608 0.5438	0.5541 0.5294	0.5888 0.5120	0.5696	0.5671	Ave		0.5532				4.4		15.0			
Fluorene	1.2367 1.1618	1.2461 1.0905	1.2734 1.0392	1.2301	1.2099	Ave		1.1860				7.0		15.0			
4-Nitroaniline	0.2978 0.3091	0.3205 0.2962	0.3470 0.2914	0.3268	0.3261	Ave		0.3144				6.1		15.0			
4,6-Dinitro-2-methylphenol	0.0828 0.1334	0.1104 0.1286	0.1249 0.1269	0.1339	0.1372	Ave		0.1222				15.0		15.0			
n-Nitrosodiphenylamine(as diphenylamine)	0.5390 0.5204	0.5499 0.4948	0.5542 0.4795	0.5390	0.5376	Ave		0.5268				5.1		15.0			
1,2-Diphenyl-hydrazine	1.3128 1.2381	1.3327 1.1685	1.3528 1.1144	1.3096	1.2909	Ave		1.2650				6.7		15.0			
Azobenzene	1.3272 1.2517	1.3473 1.1813	1.3677 1.1267	1.3240	1.3050	Ave		1.2788				6.7		15.0			
2,4,6 - Tribromophenol	0.1207 0.1613	0.1501 0.1590	0.1550 0.1581	0.1613	0.1622	Ave		0.1535				9.0		15.0			
4-Bromophenyl phenyl ether	0.1818 0.1808	0.1841 0.1772	0.1877 0.1766	0.1855	0.1864	Ave		0.1825				2.3		15.0			
Hexachlorobenzene	0.1921 0.1824	0.1875 0.1755	0.1926 0.1751	0.1856	0.1863	Ave		0.1846				3.6		15.0			
Atrazine	0.1825 0.1818	0.1881 0.1723	0.1974 0.1673	0.1897	0.1896	Ave		0.1836				5.4		15.0			
Pentachlorophenol	0.0944 0.1268	0.1166 0.1253	0.1264 0.1212	0.1262	0.1330	Ave		0.1212				9.8		15.0			
Phenanthrene	1.1051 0.9456	1.0466 0.8725	1.0587 0.8032	1.0299	1.0071	Ave		0.9836				10.0		15.0			
Anthracene	1.0336 0.9782	1.0629 0.8864	1.0570 0.8294	1.0444	1.0393	Ave		0.9914				8.8		15.0			
Carbazole	1.0154 0.9417	1.0067 0.8707	1.0169 0.8229	1.0101	0.9982	Ave		0.9603				7.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Alachlor	0.1168 0.1422	0.1293 0.1359	0.1411 0.1335	0.1444	0.1445	Ave		0.1359				7.0		15.0			
Di-n-butyl phthalate	1.0519 1.1156	1.1581 1.0234	1.1992 0.9610	1.2078	1.1903	Ave		1.1134				8.3		15.0			
Pyrene	0.9637 1.0166	1.0157 0.9862	1.0782 0.9576	1.0558	1.0517	Ave		1.0157				4.4		15.0			
Benzidine	0.4680 0.6909	0.6185 0.6703	0.6796 0.6614	0.7192	0.7149	Ave		0.6528				12.0		15.0			
Fluoranthene	1.0826 1.1283	1.1440 1.0783	1.1633 1.0483	1.1593	1.1778	Ave		1.1227				4.2		15.0			
Famphur	0.2806 0.3828	0.3493 0.3545	0.4076 0.3470	0.4175	0.4105	Ave		0.3687				12.0		15.0			
Butyl benzyl phthalate	0.3585 0.5176	0.4470 0.5062	0.5007 0.5008	0.5206	0.5274	Ave		0.4849				12.0		15.0			
Bis(2-ethylhexyl) phthalate	0.3239 0.6836	0.4959 0.6726	0.6025 0.6657	0.6628	0.6892	Lin2	-1.501	0.6843							0.9990		0.9900
3,3'-Dichlorobenzidine	0.2554 0.3775	0.3277 0.3669	0.3694 0.3671	0.3741	0.3839	Ave		0.3528				12.0		15.0			
Benzo[a]anthracene	1.0041 1.0248	1.0198 1.0105	1.0413 1.0007	1.0289	1.0415	Ave		1.0214				1.5		15.0			
Chrysene	0.9694 0.9430	0.9654 0.9336	0.9883 0.9271	0.9704	0.9609	Ave		0.9573				2.2		15.0			
Di-n-octyl phthalate	+++++ 1.1684	0.6523 1.1658	0.8979 1.1658	1.0786	1.1526	Lin2	-5.609	1.2021							1.0000		0.9900
Benzo[b]fluoranthene	0.7834 1.0680	0.9152 1.0326	0.9864 1.0672	1.0198	1.0592	Ave		0.9915				9.9		15.0			
Benzo[k]fluoranthene	0.9493 1.1195	1.0217 1.0986	1.1152 1.0649	1.1268	1.1248	Ave		1.0776				5.9		15.0			
Benzo[e]pyrene	0.7308 0.9227	0.8267 0.8909	0.8937 0.8971	0.9116	0.9185	Ave		0.8740				7.5		15.0			
Benzo[a]pyrene	0.7614 1.0764	0.9051 1.0440	0.9964 1.0464	1.0488	1.0590	Ave		0.9922				11.0		15.0			
Indeno[1,2,3-cd]pyrene	0.5910 0.9015	0.6455 0.8789	0.8228 0.8860	0.8487	0.9014	Ave		0.8095				15.0		15.0			
Dibenz(a,h)anthracene	0.6616 0.9280	0.7709 0.8974	0.8502 0.8897	0.8853	0.9420	Ave		0.8531				11.0		15.0			
Benzo[g,h,i]perylene	0.8471 0.9473	0.9085 0.9023	0.9527 0.9029	0.9775	0.9728	Ave		0.9264				4.8		15.0			
2-Fluorophenol	1.2568 1.2618	1.2880 1.2514	1.3407 1.2306	1.2859	1.3046	Ave		1.2775				2.7		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Phenol-d5	1.6267 1.5887	1.6545 1.5676	1.6932 1.5279	1.6391	1.6378	Ave		1.6169				3.3		15.0			
Nitrobenzene-d5	0.3735 0.3815	0.3827 0.3686	0.4032 0.3529	0.3917	0.3892	Ave		0.3804				4.1		15.0			
2-Fluorobiphenyl	1.3236 1.1755	1.2917 1.0979	1.2898 1.0535	1.2362	1.2188	Ave		1.2109				8.0		15.0			
2,4,6-Tribromophenol	0.1134 0.1614	0.1501 0.1590	0.1550 0.1578	0.1613	0.1622	Ave		0.1525				11.0		15.0			
Terphenyl-d14	0.7043 0.7137	0.7044 0.7005	0.7401 0.6881	0.7260	0.7245	Ave		0.7127				2.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-206625/9	D3021.D
Level 2	IC 280-206625/8	D3020.D
Level 3	IC 280-206625/7	D3019.D
Level 4	IC 280-206625/6	D3018.D
Level 5	ICIS 280-206625/5	D3017.D
Level 6	IC 280-206625/4	D3016.D
Level 7	IC 280-206625/3	D3015.D
Level 8	IC 280-206625/2	D3014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	27683 842793	64447 1139081	125155 1393534	318115	493126	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	35885 1267150	93152 1721729	181323 2091051	463553	758039	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	62915 2189935	159103 2987747	313543 3622273	792815	1293573	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	71669 2330678	176549 3098175	353623 3786692	877146	1400984	4.00 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	89909 2958759	226208 3960836	441722 5044617	1080622	1803661	4.00 120	10.0 160	20.0 200	50.0	80.0
Alpha Methyl Styrene	DCB	Ave	58449 1860085	146740 2440401	293242 2906598	713238	1139842	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	57413 1871417	141925 2578713	289325 2728980	702908	1107836	4.00 120	10.0 160	20.0 200	50.0	80.0
n-Decane	DCB	Ave	49827 1599573	120623 2112819	243577 2556282	598153	965775	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	56162 1934263	143512 2571280	289441 3100716	707657	1164303	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	62866 2057026	161626 2720874	317646 3310695	770788	1250777	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	67276 2100979	160498 2767357	318303 3329884	794347	1250091	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	35701 1305039	89902 1765213	187733 2131722	478091	781382	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	62520 1986962	154632 2642860	307263 3221290	749840	1210640	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	55590 1840893	134820 2467562	274974 2982799	680591	1118393	4.00 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	65196 2184438	163443 2912180	323875 3571969	808246	1315687	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Indene	DCB	Ave	96669 3140988	239179 4159503	480653 4933241	1176571	1911489	4.00 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	53993 1890455	142098 2539377	278366 3094224	702538	1144690	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Methylphenol	DCB	Ave	53993 1890455	142098 2539377	278366 3094224	702538	1144690	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Methylphenol	DCB	Ave	53993 1890455	142098 2539377	278366 3094224	702538	1144690	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	39208 1410756	103518 1883005	205888 2268452	510023	840378	4.00 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	80874 2652358	202743 3534235	402531 4244117	991468	1617068	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	24594 830170	61752 1106484	123617 1339275	309027	503108	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	60461 2107284	157068 2801893	314139 3354134	774993	1277682	4.00 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	99830 3561990	257198 4781073	522384 5685184	1318612	2153067	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	53606 1885576	141105 2482116	282422 2948300	716223	1152351	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	24817 996867	69766 1325815	143689 1568222	366140	601722	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Lin2	56837 3353902	178745 4508686	403110 5437549	1122221	1858455	8.00 240	20.0 320	40.0 400	100	160
Bis(2-chloroethoxy)methane	NPT	Ave	65115 2144701	164480 2858701	328088 3428101	811347	1292082	4.00 120	10.0 160	20.0 200	50.0	80.0
3,5-Dimethylphenol	NPT	Ave	56764 1968568	146884 2551184	290717 3044802	725134	1191498	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dichlorophenol	NPT	Ave	44647 1576195	114858 2123534	233446 2534050	574194	953405	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	50846 1633996	129382 2166234	248627 2621466	618575	1003812	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	169248 5140020	418634 6512798	816861 7277620	2009356	3228525	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	73242 2420299	180396 3214134	360204 3852566	891952	1458028	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	29664 977126	75309 1313166	148168 1567730	364856	593944	4.00 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	16967 831595	51668 1138750	104170 1383505	299077	489542	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	45424 1658357	120120 2216433	238659 2677735	610867	999924	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Methylnaphthalene	NPT	Ave	111606 3499643	273352 4586883	542504 5433388	1332674	2171258	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Ave	101449 3276421	250376 4318628	504921 5109854	1254455	2007468	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Ave	24321 1081435	65200 1460616	139620 1804152	377350	634154	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4,5-Tetrachlorobenzene	NPT	Ave	51555 1617206	125300 2182964	244706 2603145	606779	980341	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	29806 1157106	79001 1557019	166081 1868329	420787	702863	4.00 120	10.0 160	20.0 200	50.0	80.0
2,3-Dichlorobenzenamine	ANT	Ave	56853 1899557	145114 2540616	287934 3058279	713098	1147379	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,5-Trichlorophenol	ANT	Ave	31813 1239407	85679 1653563	176053 2028974	448500	731793	4.00 120	10.0 160	20.0 200	50.0	80.0
1,1'-Biphenyl	ANT	Ave	133950 4114329	328026 5397453	637068 6330224	1606846	2579044	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chloronaphthalene	ANT	Ave	102349 3352850	264003 4397744	515057 5255267	1267997	2055261	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	26066 1131651	75152 1490344	154654 1815720	409175	677179	4.00 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	112065 3818668	287490 5072049	579543 6041371	1449669	2329717	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dinitrobenzene	ANT	Ave	13608 685104	41420 934541	89995 1137868	245270	409579	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	23588 920498	68815 1219554	130763 1462962	333933	554927	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthylene	ANT	Ave	152499 5150418	398730 6582014	780499 7382395	1962433	3177293	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	27543 1112575	74875 1512663	157183 1847913	404809	667571	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	102570 3239988	253390 4268911	504202 5006638	1251584	1979926	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin2	15201 1277474	53583 1762856	138733 2140993	430452	745890	8.00 240	20.0 320	40.0 400	100	160
4-Nitrophenol	ANT	Ave	35233 1362261	99856 1820145	205242 2190259	522453	836943	8.00 240	20.0 320	40.0 400	100	160
2,4-Dinitrotoluene	ANT	Ave	29892 1236294	83509 1675787	179894 2021086	461061	746612	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	150413 4542452	366085 5962080	713966 6924822	1761391	2819573	4.00 120	10.0 160	20.0 200	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	23072 957560	64309 1297111	137168 1514182	362846	577478	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Hexadecane	ANT	Ave	59729 2051718	157081 2652972	315979 3107564	795321	1253494	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	120586 3773211	296124 4961422	586802 5825244	1453466	2347840	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	52631 1812248	132284 2451578	273871 2911803	685775	1114930	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	116076 3871818	297466 5049641	592330 5909784	1480882	2378769	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	27948 1030139	76504 1371714	161420 1657386	393414	641112	4.00 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Ave	26610 1516793	89474 2043064	199961 2467815	551399	914248	8.00 240	20.0 320	40.0 400	100	160
n-Nitrosodiphenylamine(as diphenylamine)	PHN	Ave	86644 2958065	222810 3929398	443800 4663731	1110143	1791729	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2-Diphenyl-hydrazine	ANT	Ave	124563 4171173	321631 5470174	636175 6407338	1593942	2565710	4.04 121	10.1 162	20.2 202	50.5	80.9
Azobenzene	ANT	Ave	124563 4171173	321631 5470174	636175 6407338	1593942	2565710	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6 - Tribromophenol	ANT	Ave	11331 537520	35828 736323	72118 899126	194238	318899	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	29220 1027821	74588 1407039	150284 1718118	382052	621385	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	30879 1036754	75951 1394127	154224 1703017	382207	620932	4.00 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	29332 1033534	76232 1368206	158034 1626843	390765	632012	4.00 120	10.0 160	20.0 200	50.0	80.0
Pentachlorophenol	PHN	Ave	30346 1441717	94478 1990917	202383 2357779	519830	886632	8.00 240	20.0 320	40.0 400	100	160
Phenanthrene	PHN	Ave	177641 5375383	424042 6929431	847733 7812342	2121167	3356333	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	166141 5560717	430647 7039103	846375 8066854	2150875	3463756	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	163214 5353227	407872 6914510	814265 8004285	2080382	3326891	4.00 120	10.0 160	20.0 200	50.0	80.0
Alachlor	PHN	Ave	18768 808206	52387 1079514	112994 1298135	297331	481490	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	169078 6341605	469234 8127026	960221 9347273	2487522	3967026	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	161952 6099141	430162 8220029	890299 9688420	2284938	3733348	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Ave	78648 4144922	261957 5587438	561200 6691456	1556357	2537575	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Fluoranthene	PHN	Ave	174023 6413409	463501 8563185	931543 10195992	2387614	3925306	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Ave	47151 2296728	147950 2955278	336589 3510749	903604	1457112	4.00 120	10.0 160	20.0 200	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	60250 3105349	189324 4219209	413426 5066849	1126720	1872322	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Lin2	54432 4101465	210002 5606390	497524 6734607	1434317	2446601	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	42918 2264896	138786 3058632	305019 3714372	809615	1362711	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	168731 6148010	431901 8423131	859852 10124471	2226676	3697103	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	162906 5657344	408882 7781591	816066 9379827	2100109	3411021	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Lin2	+++++ 7009987	276240 9717668	741422 11794703	2334172	4091651	+++++ 120	10.0 160	20.0 200	50.0	80.0
Benzo[b]fluoranthene	PRY	Ave	112424 5519171	337060 7518987	714653 9335954	1929473	3284031	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	136233 5785298	376269 7999527	807923 9315607	2131782	3487408	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[e]pyrene	PRY	Ave	104880 4767988	304456 6487032	647480 7848264	1724700	2847783	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	109271 5562657	333339 7601882	721890 9153944	1984286	3283166	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	84814 4658436	237709 6400249	596114 7751049	1605793	2794676	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	94948 4795767	283914 6534508	615980 7782855	1674911	2920589	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	121574 4895373	334560 6570598	690218 7898931	1849394	3016055	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorophenol	DCB	Ave	52101 1855196	135249 2494843	276093 3040003	677097	1114937	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol-d5	DCB	Ave	67432 2335936	173733 3125276	348687 3774630	863040	1399763	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene-d5	NPT	Ave	60167 2192768	156833 2899240	320690 3482140	794628	1301824	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	124231 3917395	308364 5083797	599952 5991107	1488293	2396253	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol	ANT	Ave	10646 537919	35828 736323	72118 897218	194238	318899	4.00 120	10.0 160	20.0 200	50.0	80.0
Terphenyl-d14	CRY	Ave	118363 4281656	298323 5838956	611145 6961774	1571084	2571931	4.00 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-50385-1 Analy Batch No.: 206625

SDG No.: 294

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

Calibration Start Date: 12/26/2013 08:32 Calibration End Date: 12/26/2013 11:44 Calibration ID: 16605

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3014.D
Lims ID: IC HSLA200 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 26-Dec-2013 08:32:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA200
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:30:51 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 09:29:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.409	4.405	0.004	97	494087	40.0	
* 2 Naphthalene-d8	136	5.445	5.447	-0.002	100	1973629	40.0	
* 3 Acenaphthene-d10	164	6.925	6.927	-0.001	100	1137385	40.0	
* 4 Phenanthrene-d10	188	8.191	8.193	-0.002	99	1945279	40.0	
* 5 Chrysene-d12	240	12.021	12.018	0.003	91	2023403	40.0	
* 6 Perylene-d12	264	16.183	16.179	0.004	97	1749637	40.0	
$ 7 2-Fluorophenol	112	3.383	3.385	-0.002	99	3040003	192.7	
$ 8 Phenol-d5	99	4.072	4.068	0.004	99	3774630	189.0	
$ 9 Nitrobenzene-d5	82	4.858	4.854	0.004	97	3482140	185.5	
$ 11 2-Fluorobiphenyl	172	6.327	6.328	-0.001	97	5991107	174.0	
$ 12 2,4,6-Tribromophenol	330	7.598	7.594	0.004	98	897218	206.9	
$ 13 Terphenyl-d14	244	9.917	9.918	-0.001	100	6961774	193.1	
27 1,4-Dioxane	88	2.208	2.209	-0.001	97	1393534	188.9	
28 N-Nitrosodimethylamine	74	2.427	2.428	-0.001	96	2091051	194.2	
29 Pyridine	79	2.470	2.466	0.004	94	3622273	195.0	
39 Phenol	94	4.088	4.079	0.009	90	3786692	187.1	
41 Aniline	93	4.152	4.149	0.003	99	5044617	196.0	
42 Alpha Methyl Styrene	118	4.168	4.170	-0.002	95	2906598	177.8	
43 Bis(2-chloroethyl)ether	93	4.174	4.170	0.004	95	2728980	169.2	
45 n-Decane	43	4.211	4.213	-0.002	98	2556282	184.3	
47 2-Chlorophenol	128	4.243	4.239	0.004	99	3100716	187.8	
48 1,3-Dichlorobenzene	146	4.366	4.362	0.004	99	3310695	184.4	
49 1,4-Dichlorobenzene	146	4.419	4.421	-0.002	98	3329884	182.3	
50 Benzyl alcohol	108	4.500	4.496	0.004	98	2131722	194.8	
51 1,2-Dichlorobenzene	146	4.548	4.544	0.004	97	3221290	184.7	
53 2-Methylphenol	108	4.564	4.565	-0.001	67	2982799	188.3	
54 2,2'-oxybis[1-chloropropane]	45	4.585	4.587	-0.002	91	3571969	190.1	
55 Indene	116	4.612	4.613	-0.001	93	4933241	181.2	
57 3-Methylphenol	108	4.687	4.683	0.004	97	3094224	191.0	
56 3 & 4 Methylphenol	108	4.687	4.683	0.004	71	3094224	191.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.687	4.683	0.004	93	3094224	191.0	
59 N-Nitrosodi-n-propylamine	70	4.703	4.699	0.004	93	2268452	190.7	
61 Acetophenone	105	4.719	4.715	0.004	67	4244117	184.4	
64 Hexachloroethane	117	4.820	4.816	0.004	98	1339275	187.8	
65 Nitrobenzene	77	4.874	4.870	0.004	96	3354134	182.5	
69 Isophorone	82	5.050	5.046	0.004	99	5685184	184.3	
71 2,4-Dimethylphenol	107	5.119	5.116	0.003	97	2948300	178.9	
70 2-Nitrophenol	139	5.125	5.126	-0.001	95	1568222	186.1	
74 Benzoic acid	105	5.231	5.196	0.035	73	5437549	392.7	
75 Bis(2-chloroethoxy)methane	93	5.199	5.201	-0.002	97	3428101	180.0	
76 3,5-Dimethylphenol	107	5.226	5.222	0.004	0	3044802	178.5	
78 2,4-Dichlorophenol	162	5.312	5.313	-0.001	98	2534050	185.1	
82 1,2,4-Trichlorobenzene	180	5.392	5.388	0.004	97	2621466	179.0	
84 Naphthalene	128	5.467	5.463	0.004	98	7277620	157.0	
85 4-Chloroaniline	127	5.499	5.495	0.004	100	3852566	181.4	
88 Hexachlorobutadiene	225	5.536	5.538	-0.002	97	1567730	180.6	
93 Caprolactam	55	5.808	5.789	0.019	94	1383505	206.6	M
96 4-Chloro-3-methylphenol	107	5.878	5.869	0.009	98	2677735	187.4	
101 2-Methylnaphthalene	142	6.033	6.034	-0.001	99	5433388	173.1	
103 1-Methylnaphthalene	142	6.124	6.120	0.004	99	5109854	175.1	
104 Hexachlorocyclopentadiene	237	6.150	6.152	-0.002	98	1804152	209.3	
105 1,2,4,5-Tetrachlorobenzene	216	6.172	6.173	-0.001	98	2603145	179.7	
107 2,4,6-Trichlorophenol	196	6.263	6.264	-0.001	81	1868329	192.9	
108 2,3-Dichlorobenzenamine	161	6.279	6.275	0.004	83	3058279	184.4	
109 2,4,5-Trichlorophenol	196	6.300	6.296	0.004	98	2028974	196.4	
111 1,1'-Biphenyl	154	6.417	6.419	-0.002	97	6330224	172.4	
113 2-Chloronaphthalene	162	6.455	6.451	0.004	98	5255267	178.5	
115 2-Nitroaniline	65	6.540	6.537	0.003	96	1815720	197.2	
119 Dimethyl phthalate	163	6.658	6.654	0.004	99	6041371	182.0	
120 1,3-Dinitrobenzene	168	6.717	6.713	0.004	87	1137868	209.0	
121 2,6-Dinitrotoluene	165	6.727	6.723	0.004	91	1462962	189.1	
122 Acenaphthylene	152	6.813	6.809	0.004	97	7382395	166.4	
123 3-Nitroaniline	138	6.888	6.884	0.004	97	1847913	199.5	
124 Acenaphthene	153	6.957	6.953	0.004	98	5006638	174.8	
125 2,4-Dinitrophenol	184	6.973	6.964	0.009	96	2140993	407.8	
127 4-Nitrophenol	109	7.010	6.996	0.014	95	2190259	375.6	
130 2,4-Dinitrotoluene	165	7.075	7.071	0.004	95	2021086	195.7	
131 Dibenzofuran	168	7.096	7.097	-0.001	97	6924822	170.4	
133 2,3,4,6-Tetrachlorophenol	232	7.192	7.194	-0.002	73	1514182	190.3	
134 Hexadecane	57	7.197	7.194	0.003	95	3107564	174.6	
137 Diethyl phthalate	149	7.235	7.231	0.004	99	5825244	174.1	
141 4-Chlorophenyl phenyl ether	204	7.363	7.359	0.004	99	2911803	185.1	
142 Fluorene	166	7.390	7.386	0.004	99	5909784	175.2	
145 4-Nitroaniline	138	7.427	7.413	0.014	81	1657386	185.4	
146 4,6-Dinitro-2-methylphenol	198	7.422	7.418	0.004	81	2467815	415.1	
148 N-Nitrosodiphenylamine	169	7.464	7.466	-0.002	99	4663731	182.0	
151 1,2-Diphenylhydrazine	77	7.502	7.498	0.004	98	6407338	178.1	
150 Azobenzene	77	7.502	7.498	0.004	98	6407338	176.2	
155 2,4,6 - Tribromophenol	330	7.598	7.594	0.004	98	899126	206.0	
163 4-Bromophenyl phenyl ether	248	7.780	7.781	-0.001	96	1718118	193.6	
164 Hexachlorobenzene	284	7.854	7.851	0.003	96	1703017	189.7	
166 Atrazine	200	7.887	7.883	0.004	97	1626843	182.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.967	7.968	-0.001	96	1735412	186.8	
169 Pentachlorophenol	266	8.020	8.016	0.004	97	2357779	399.9	
176 Phenanthrene	178	8.212	8.214	-0.002	97	7812342	163.3	
177 Anthracene	178	8.260	8.257	0.003	98	8066854	167.3	
178 Carbazole	167	8.389	8.385	0.004	98	8004285	171.4	
179 Alachlor	188	8.453	8.449	0.004	99	1298135	196.3	
181 Di-n-butyl phthalate	149	8.613	8.615	-0.002	100	9347273	172.6	
190 Pyrene	202	9.441	9.437	0.004	99	9688420	188.6	
188 Benzidine	184	9.596	9.592	0.004	64	6691456	202.6	
187 Fluoranthene	202	9.762	9.758	0.004	99	10195992	186.7	
196 Famphur	218	10.627	10.629	-0.002	98	3510749	188.2	
197 Butyl benzyl phthalate	149	10.707	10.703	0.004	94	5066849	206.6	
202 Bis(2-ethylhexyl) phthalate	149	11.914	11.916	-0.002	99	6734607	196.7	
204 3,3'-Dichlorobenzidine	252	11.947	11.937	0.010	98	3714372	208.2	
206 Benzo[a]anthracene	228	11.995	11.986	0.009	100	10124471	195.9	
207 Chrysene	228	12.085	12.076	0.009	100	9379827	193.7	
208 Di-n-octyl phthalate	149	13.747	13.748	-0.001	100	11794703	198.6	
211 Benzo[b]fluoranthene	252	14.976	14.961	0.015	99	9335954	215.3	
212 Benzo[k]fluoranthene	252	15.066	15.052	0.014	99	9315607	197.6	
214 Benzo[e]pyrene	252	15.846	15.837	0.009	0	7848264	205.3	
215 Benzo[a]pyrene	252	16.017	15.997	0.020	100	9153944	210.9	
222 Indeno[1,2,3-cd]pyrene	276	19.516	19.502	0.014	63	7751049	218.9	
221 Dibenz(a,h)anthracene	278	19.575	19.566	0.009	74	7782855	208.6	
223 Benzo[g,h,i]perylene	276	20.024	20.009	0.015	100	7898931	194.9	
S 226 Methyl Phenols,Total	108				0		379.3	
S 225 Total Cresols	108				0		379.3	

QC Flag Legend

Review Flags
M - Manually Integrated

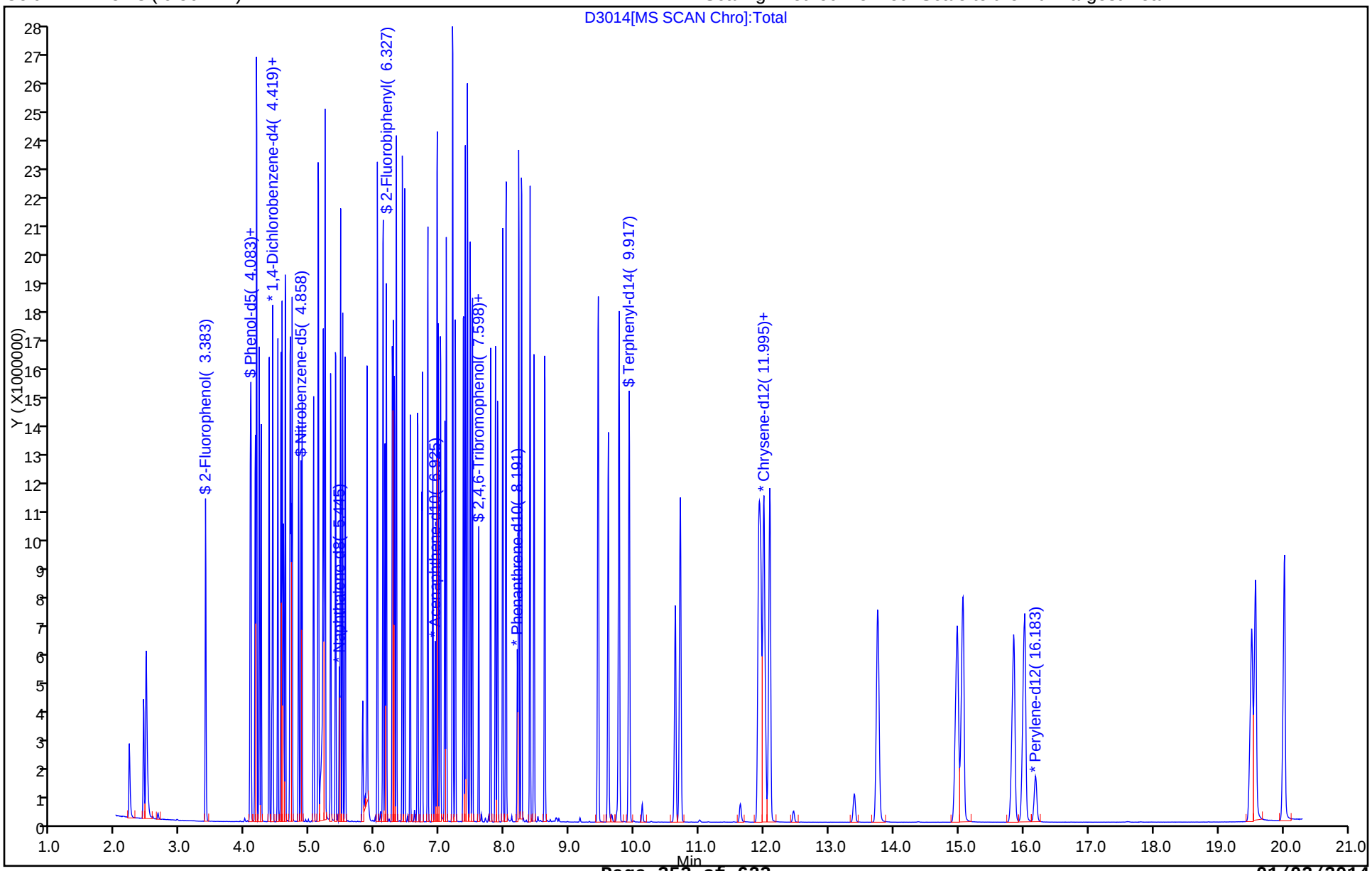
Report Date: 27-Dec-2013 09:30:52 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3014.D

Injection Date:	26-Dec-2013 08:32:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	IC HSLA200	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

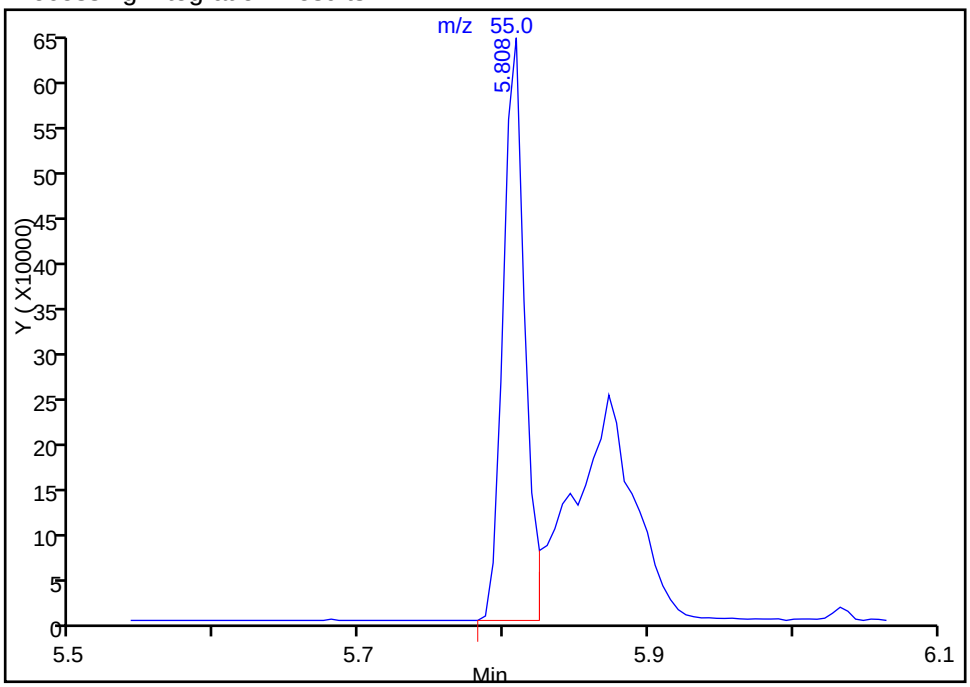
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_D\20131226-18601.b\D3014.D				
Injection Date:	26-Dec-2013 08:32:30	Instrument ID:	SMS_D		
Lims ID:	IC HSLA200	Lab Sample ID:			
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

93 Caprolactam, CAS: 105-60-2

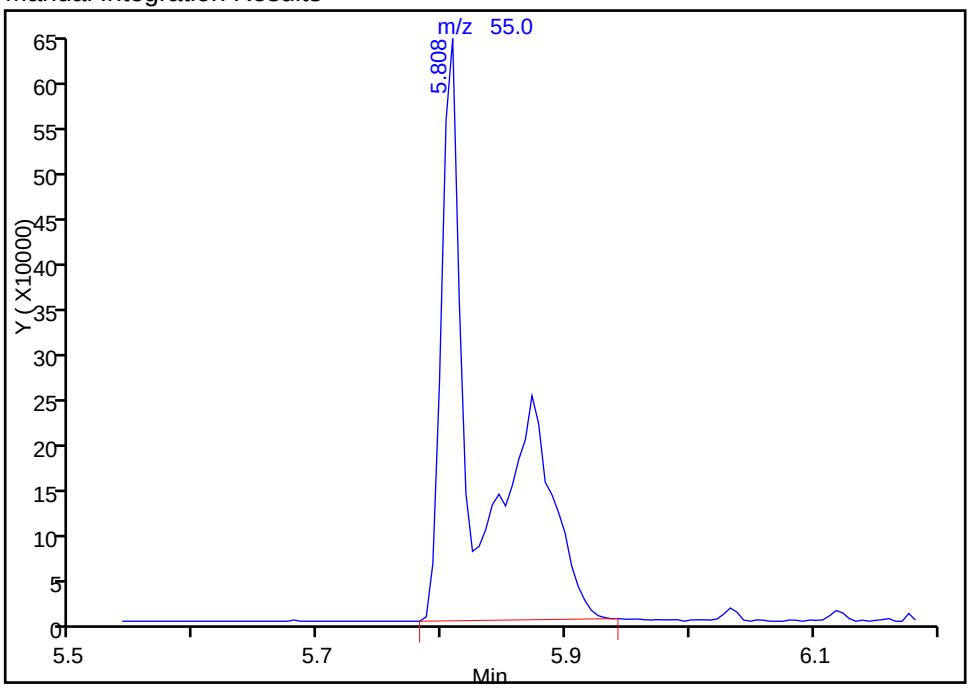
Processing Integration Results

RT: 5.81
Response: 676732
Amount: 193.4929



Manual Integration Results

RT: 5.81
Response: 1383505
Amount: 206.5901



Reviewer: hoffmanm, 26-Dec-2013 09:31:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3015.D
Lims ID: IC HSLA160 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 26-Dec-2013 08:59:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA160
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:30:52 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 09:32:35

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.405	4.405	0.0	92	498415	40.0	
* 2 Naphthalene-d8	136	5.446	5.447	-0.001	100	1966630	40.0	
* 3 Acenaphthene-d10	164	6.926	6.927	0.0	100	1157647	40.0	
* 4 Phenanthrene-d10	188	8.192	8.193	-0.001	99	1985397	40.0	
* 5 Chrysene-d12	240	12.017	12.018	-0.001	91	2083832	40.0	
* 6 Perylene-d12	264	16.184	16.179	0.005	97	1820446	40.0	
$ 7 2-Fluorophenol	112	3.384	3.385	-0.001	99	2494843	156.7	
$ 8 Phenol-d5	99	4.073	4.068	0.005	98	3125276	155.1	
$ 9 Nitrobenzene-d5	82	4.853	4.854	-0.001	97	2899240	155.0	
$ 11 2-Fluorobiphenyl	172	6.328	6.328	0.0	98	5083797	145.1	
$ 12 2,4,6-Tribromophenol	330	7.599	7.594	0.005	98	736323	166.8	
$ 13 Terphenyl-d14	244	9.918	9.918	0.0	100	5838956	157.3	
27 1,4-Dioxane	88	2.209	2.209	0.0	97	1139081	153.0	
28 N-Nitrosodimethylamine	74	2.428	2.428	0.0	95	1721729	158.5	
29 Pyridine	79	2.465	2.466	-0.001	95	2987747	159.5	
39 Phenol	94	4.084	4.079	0.005	92	3098175	151.8	
41 Aniline	93	4.148	4.149	-0.001	100	3960836	152.5	
42 Alpha Methyl Styrene	118	4.169	4.170	-0.001	97	2440401	148.0	
43 Bis(2-chloroethyl)ether	93	4.169	4.170	-0.001	94	2578713	158.5	
45 n-Decane	43	4.212	4.213	-0.001	98	2112819	151.0	
47 2-Chlorophenol	128	4.239	4.239	0.0	98	2571280	154.4	
48 1,3-Dichlorobenzene	146	4.362	4.362	0.0	98	2720874	150.2	
49 1,4-Dichlorobenzene	146	4.421	4.421	0.0	98	2767357	150.1	
50 Benzyl alcohol	108	4.495	4.496	-0.001	98	1765213	159.9	
51 1,2-Dichlorobenzene	146	4.543	4.544	-0.001	97	2642860	150.2	
53 2-Methylphenol	108	4.565	4.565	0.0	72	2467562	154.4	
54 2,2'-oxybis[1-chloropropane]	45	4.586	4.587	-0.001	90	2912180	153.7	
55 Indene	116	4.613	4.613	0.0	93	4159503	151.4	
57 3-Methylphenol	108	4.688	4.683	0.005	96	2539377	155.4	
56 3 & 4 Methylphenol	108	4.688	4.683	0.005	71	2539377	155.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.688	4.683	0.005	93	2539377	155.4	
59 N-Nitrosodi-n-propylamine	70	4.704	4.699	0.005	92	1883005	156.9	
61 Acetophenone	105	4.720	4.715	0.005	67	3534235	152.2	
64 Hexachloroethane	117	4.816	4.816	0.0	97	1106484	153.8	
65 Nitrobenzene	77	4.869	4.870	-0.001	96	2801893	153.0	
69 Isophorone	82	5.046	5.046	0.0	99	4781073	155.5	
71 2,4-Dimethylphenol	107	5.120	5.116	0.004	96	2482116	151.1	
70 2-Nitrophenol	139	5.126	5.126	0.0	90	1325815	157.9	
74 Benzoic acid	105	5.222	5.196	0.026	73	4508686	327.3	
75 Bis(2-chloroethoxy)methane	93	5.201	5.201	0.0	97	2858701	150.6	
76 3,5-Dimethylphenol	107	5.227	5.222	0.005	0	2551184	150.1	
78 2,4-Dichlorophenol	162	5.313	5.313	0.0	98	2123534	155.6	
82 1,2,4-Trichlorobenzene	180	5.387	5.388	-0.001	94	2166234	148.5	
84 Naphthalene	128	5.468	5.463	0.005	99	6512798	141.0	
85 4-Chloroaniline	127	5.500	5.495	0.005	99	3214134	151.9	
88 Hexachlorobutadiene	225	5.537	5.538	-0.001	97	1313166	151.8	
93 Caprolactam	55	5.804	5.789	0.015	95	1138750	170.6	M
96 4-Chloro-3-methylphenol	107	5.874	5.869	0.005	97	2216433	155.7	
101 2-Methylnaphthalene	142	6.034	6.034	0.0	99	4586883	146.6	
103 1-Methylnaphthalene	142	6.119	6.120	-0.001	98	4318628	148.5	
104 Hexachlorocyclopentadiene	237	6.151	6.152	-0.001	98	1460616	166.5	
105 1,2,4,5-Tetrachlorobenzene	216	6.173	6.173	0.0	98	2182964	151.3	
107 2,4,6-Trichlorophenol	196	6.264	6.264	0.0	81	1557019	158.0	
108 2,3-Dichlorobenzenamine	161	6.280	6.275	0.005	83	2540616	150.5	
109 2,4,5-Trichlorophenol	196	6.296	6.296	0.0	98	1653563	157.2	
111 1,1'-Biphenyl	154	6.419	6.419	0.0	96	5397453	144.4	
113 2-Chloronaphthalene	162	6.456	6.451	0.005	99	4397744	146.8	
115 2-Nitroaniline	65	6.541	6.537	0.004	97	1490344	159.1	
119 Dimethyl phthalate	163	6.654	6.654	0.0	98	5072049	150.2	
120 1,3-Dinitrobenzene	168	6.712	6.713	-0.001	86	934541	168.7	
121 2,6-Dinitrotoluene	165	6.728	6.723	0.005	95	1219554	154.8	
122 Acenaphthylene	152	6.808	6.809	-0.001	99	6582014	145.7	
123 3-Nitroaniline	138	6.889	6.884	0.005	97	1512663	160.4	
124 Acenaphthene	153	6.953	6.953	0.0	98	4268911	146.4	
125 2,4-Dinitrophenol	184	6.969	6.964	0.005	93	1762856	330.9	
127 4-Nitrophenol	109	7.006	6.996	0.010	94	1820145	306.6	
130 2,4-Dinitrotoluene	165	7.076	7.071	0.005	97	1675787	159.4	
131 Dibenzofuran	168	7.097	7.097	0.0	98	5962080	144.1	
133 2,3,4,6-Tetrachlorophenol	232	7.193	7.194	-0.001	73	1297111	160.1	
134 Hexadecane	57	7.198	7.194	0.004	95	2652972	146.5	
137 Diethyl phthalate	149	7.236	7.231	0.005	99	4961422	145.6	
141 4-Chlorophenyl phenyl ether	204	7.359	7.359	0.0	98	2451578	153.1	
142 Fluorene	166	7.391	7.386	0.005	100	5049641	147.1	
145 4-Nitroaniline	138	7.423	7.413	0.010	77	1371714	150.8	
146 4,6-Dinitro-2-methylphenol	198	7.423	7.418	0.005	84	2043064	336.7	
148 N-Nitrosodiphenylamine	169	7.466	7.466	0.0	99	3929398	150.3	
151 1,2-Diphenylhydrazine	77	7.498	7.498	0.0	97	5470174	149.4	
150 Azobenzene	77	7.498	7.498	0.0	97	5470174	147.8	
155 2,4,6 - Tribromophenol	330	7.599	7.594	0.005	98	736323	165.8	
163 4-Bromophenyl phenyl ether	248	7.781	7.781	0.0	97	1407039	155.3	
164 Hexachlorobenzene	284	7.856	7.851	0.005	97	1394127	152.1	
166 Atrazine	200	7.888	7.883	0.005	98	1368206	150.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.968	7.968	0.0	96	1460225	154.0	
169 Pentachlorophenol	266	8.016	8.016	0.0	94	1990917	330.8	
176 Phenanthrene	178	8.213	8.214	-0.001	98	6929431	141.9	
177 Anthracene	178	8.256	8.257	-0.001	99	7039103	143.0	
178 Carbazole	167	8.390	8.385	0.005	99	6914510	145.1	
179 Alachlor	188	8.449	8.449	0.0	99	1079514	160.0	
181 Di-n-butyl phthalate	149	8.614	8.615	-0.001	100	8127026	147.1	
190 Pyrene	202	9.437	9.437	0.0	99	8220029	155.3	
188 Benzidine	184	9.592	9.592	0.0	70	5587438	164.3	
187 Fluoranthene	202	9.757	9.758	-0.001	99	8563185	153.7	
196 Famphur	218	10.628	10.629	-0.001	99	2955278	153.8	
197 Butyl benzyl phthalate	149	10.703	10.703	0.0	95	4219209	167.0	
202 Bis(2-ethylhexyl) phthalate	149	11.916	11.916	0.0	99	5606390	159.5	
204 3,3'-Dichlorobenzidine	252	11.942	11.937	0.005	98	3058632	166.4	
206 Benzo[a]anthracene	228	11.990	11.986	0.004	100	8423131	158.3	
207 Chrysene	228	12.087	12.076	0.011	100	7781591	156.0	
208 Di-n-octyl phthalate	149	13.748	13.748	0.0	100	9717668	159.8	
211 Benzo[b]fluoranthene	252	14.971	14.961	0.010	99	7518987	166.6	
212 Benzo[k]fluoranthene	252	15.057	15.052	0.005	99	7999527	163.1	
214 Benzo[e]pyrene	252	15.842	15.837	0.005	0	6487032	163.1	
215 Benzo[a]pyrene	252	16.008	15.997	0.011	100	7601882	168.3	
222 Indeno[1,2,3-cd]pyrene	276	19.512	19.502	0.010	62	6400249	173.7	
221 Dibenz(a,h)anthracene	278	19.571	19.566	0.005	74	6534508	168.3	
223 Benzo[g,h,i]perylene	276	20.020	20.009	0.011	100	6570598	155.8	
S 226 Methyl Phenols,Total	108				0		309.8	
S 225 Total Cresols	108				0		309.8	

QC Flag Legend

Review Flags
M - Manually Integrated

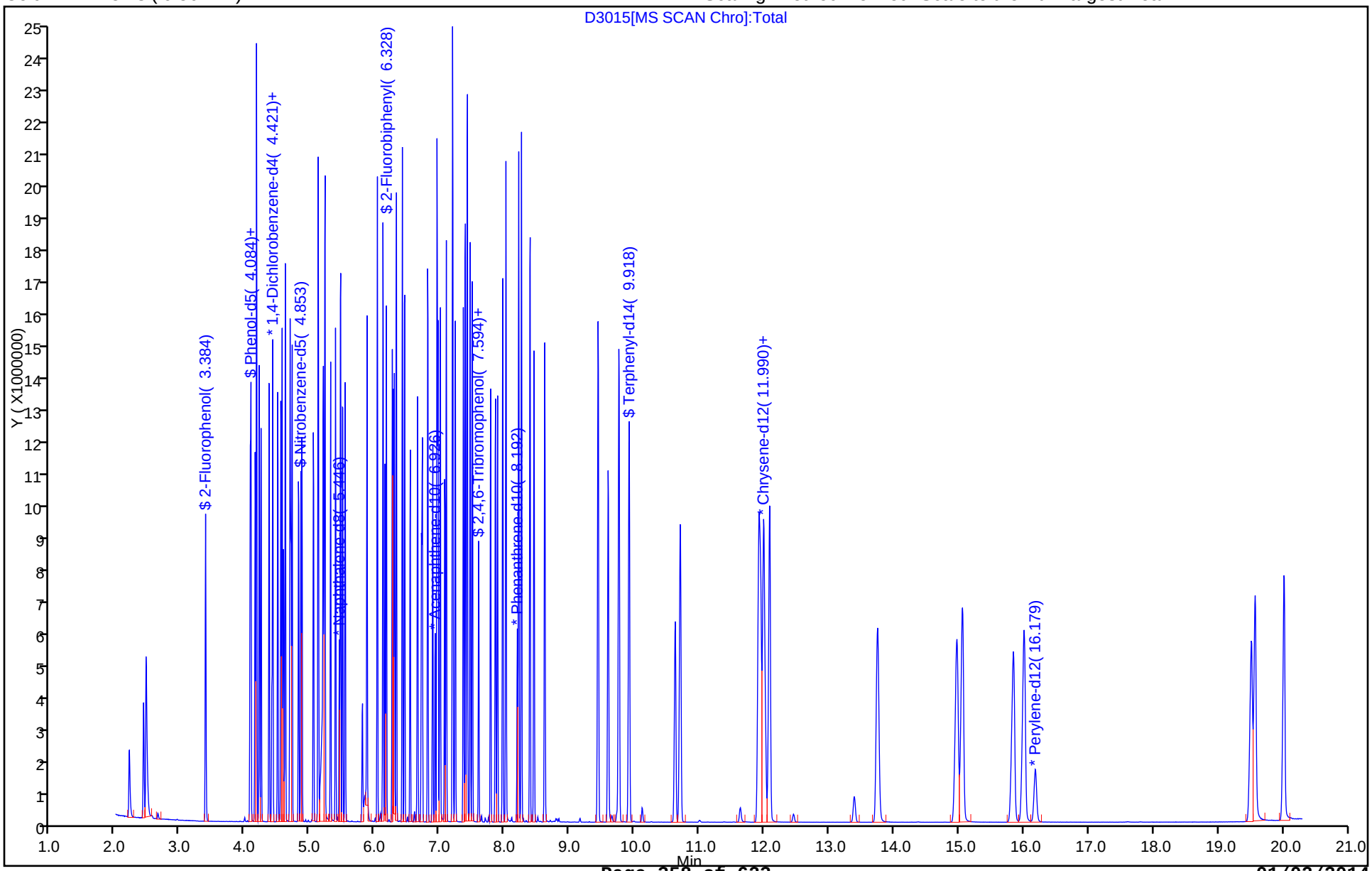
Report Date: 27-Dec-2013 09:30:53 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3015.D

Injection Date:	26-Dec-2013 08:59:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	IC HSLA160	Lab Sample ID:		Worklist Smp#:	3
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

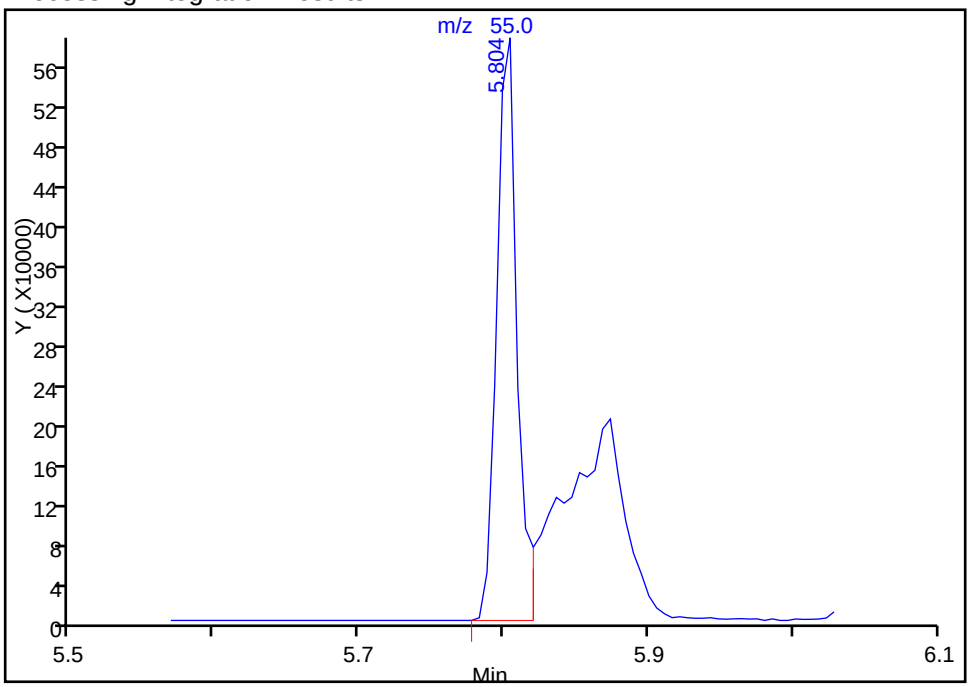
TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3015.D
Injection Date: 26-Dec-2013 08:59:30 Instrument ID: SMS_D
Lims ID: IC HSLA160 Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625
Column: VF-5ms (0.50 mm) Detector MS SCAN

93 Caprolactam, CAS: 105-60-2

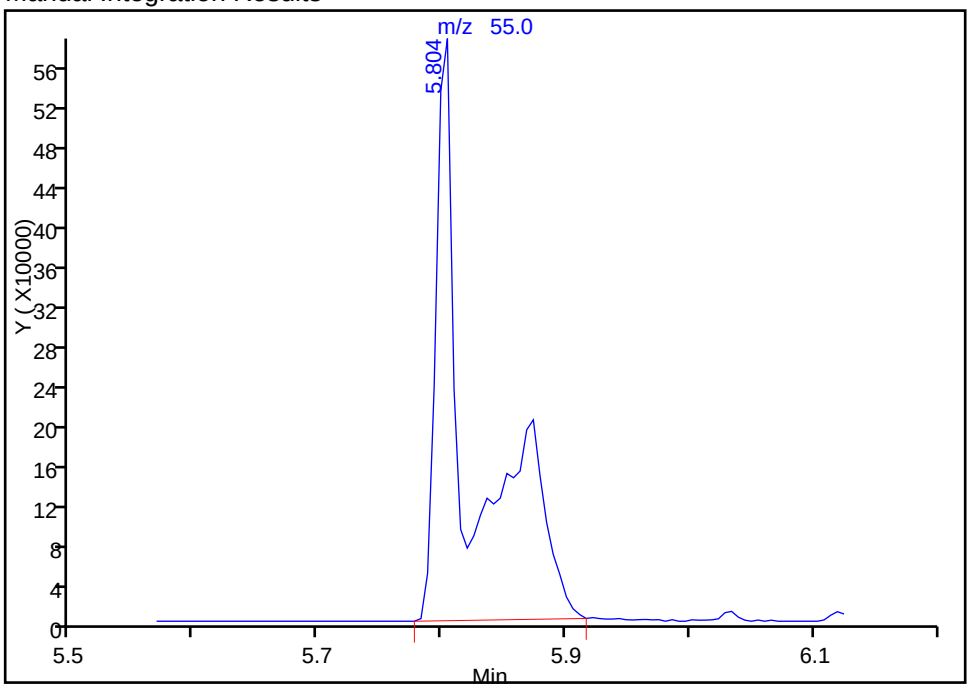
Processing Integration Results

RT: 5.80
Response: 575750
Amount: 160.0000



Manual Integration Results

RT: 5.80
Response: 1138750
Amount: 170.6475



Reviewer: hoffmanm, 26-Dec-2013 09:32:35
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3016.D
Lims ID: IC HSLA120 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 26-Dec-2013 09:27:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA120
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:30:54 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 11:26:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.405	4.405	0.0	94	490102	40.0	
* 2 Naphthalene-d8	136	5.447	5.447	0.0	100	1915795	40.0	
* 3 Acenaphthene-d10	164	6.926	6.927	0.0	100	1110842	40.0	
* 4 Phenanthrene-d10	188	8.193	8.193	0.0	99	1894789	40.0	
* 5 Chrysene-d12	240	12.018	12.018	0.0	88	1999833	40.0	
* 6 Perylene-d12	264	16.184	16.179	0.005	97	1722558	40.0	
$ 7 2-Fluorophenol	112	3.385	3.385	0.0	100	1855196	118.5	
$ 8 Phenol-d5	99	4.074	4.068	0.006	94	2335936	117.9	
$ 9 Nitrobenzene-d5	82	4.854	4.854	0.0	96	2192768	120.4	
$ 11 2-Fluorobiphenyl	172	6.328	6.328	0.0	98	3917395	116.5	
$ 12 2,4,6-Tribromophenol	330	7.594	7.594	0.0	92	537919	127.0	
$ 13 Terphenyl-d14	244	9.918	9.918	0.0	100	4281656	120.2	
27 1,4-Dioxane	88	2.209	2.209	0.0	96	842793	115.1	
28 N-Nitrosodimethylamine	74	2.428	2.428	0.0	95	1267150	118.7	
29 Pyridine	79	2.466	2.466	0.0	95	2189935	118.9	
39 Phenol	94	4.084	4.079	0.005	91	2330678	116.1	
41 Aniline	93	4.149	4.149	0.0	99	2958759	115.9	
42 Alpha Methyl Styrene	118	4.170	4.170	0.0	97	1860085	114.7	
43 Bis(2-chloroethyl)ether	93	4.170	4.170	0.0	93	1871417	117.0	
45 n-Decane	43	4.213	4.213	0.0	98	1599573	116.3	
47 2-Chlorophenol	128	4.239	4.239	0.0	98	1934263	118.1	
48 1,3-Dichlorobenzene	146	4.362	4.362	0.0	98	2057026	115.5	
49 1,4-Dichlorobenzene	146	4.421	4.421	0.0	98	2100979	115.9	
50 Benzyl alcohol	108	4.496	4.496	0.0	97	1305039	120.2	
51 1,2-Dichlorobenzene	146	4.549	4.544	0.005	98	1986962	114.9	
53 2-Methylphenol	108	4.565	4.565	0.0	67	1840893	117.2	
54 2,2'-oxybis[1-chloropropane]	45	4.587	4.587	0.0	90	2184438	117.2	
55 Indene	116	4.613	4.613	0.0	93	3140988	116.3	
57 3-Methylphenol	108	4.688	4.683	0.005	95	1890455	117.6	
56 3 & 4 Methylphenol	108	4.688	4.683	0.005	71	1890455	117.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.688	4.683	0.005	92	1890455	117.6	
59 N-Nitrosodi-n-propylamine	70	4.699	4.699	0.0	93	1410756	119.5	
61 Acetophenone	105	4.720	4.715	0.005	65	2652358	116.2	
64 Hexachloroethane	117	4.816	4.816	0.0	97	830170	117.4	
65 Nitrobenzene	77	4.870	4.870	0.0	95	2107284	118.1	
69 Isophorone	82	5.046	5.046	0.0	98	3561990	119.0	
71 2,4-Dimethylphenol	107	5.121	5.116	0.005	96	1885576	117.9	
70 2-Nitrophenol	139	5.126	5.126	0.0	94	996867	121.9	
74 Benzoic acid	105	5.212	5.196	0.016	97	3353902	250.7	
75 Bis(2-chloroethoxy)methane	93	5.201	5.201	0.0	93	2144701	116.0	
76 3,5-Dimethylphenol	107	5.228	5.222	0.006	0	1968568	118.9	
78 2,4-Dichlorophenol	162	5.313	5.313	0.0	98	1576195	118.6	
82 1,2,4-Trichlorobenzene	180	5.388	5.388	0.0	94	1633996	115.0	
84 Naphthalene	128	5.468	5.463	0.005	100	5140020	114.2	
85 4-Chloroaniline	127	5.500	5.495	0.005	99	2420299	117.4	
88 Hexachlorobutadiene	225	5.538	5.538	0.0	96	977126	116.0	
93 Caprolactam	55	5.794	5.789	0.005	96	831595	127.9	M
96 4-Chloro-3-methylphenol	107	5.874	5.869	0.005	98	1658357	119.6	
101 2-Methylnaphthalene	142	6.034	6.034	0.0	99	3499643	114.8	
103 1-Methylnaphthalene	142	6.120	6.120	0.0	98	3276421	115.7	
104 Hexachlorocyclopentadiene	237	6.152	6.152	0.0	99	1081435	128.4	
105 1,2,4,5-Tetrachlorobenzene	216	6.173	6.173	0.0	98	1617206	115.0	
107 2,4,6-Trichlorophenol	196	6.264	6.264	0.0	81	1157106	122.3	
108 2,3-Dichlorobenzenamine	161	6.280	6.275	0.005	82	1899557	117.3	
109 2,4,5-Trichlorophenol	196	6.296	6.296	0.0	98	1239407	122.8	
111 1,1'-Biphenyl	154	6.419	6.419	0.0	95	4114329	114.7	
113 2-Chloronaphthalene	162	6.451	6.451	0.0	98	3352850	116.6	
115 2-Nitroaniline	65	6.536	6.537	-0.001	97	1131651	125.9	
119 Dimethyl phthalate	163	6.654	6.654	0.0	99	3818668	117.8	
120 1,3-Dinitrobenzene	168	6.713	6.713	0.0	87	685104	128.9	
121 2,6-Dinitrotoluene	165	6.729	6.723	0.006	97	920498	121.8	
122 Acenaphthylene	152	6.809	6.809	0.0	100	5150418	118.8	
123 3-Nitroaniline	138	6.889	6.884	0.005	97	1112575	123.0	
124 Acenaphthene	153	6.953	6.953	0.0	99	3239988	115.8	
125 2,4-Dinitrophenol	184	6.969	6.964	0.005	95	1277474	251.1	
127 4-Nitrophenol	109	7.001	6.996	0.005	94	1362261	239.2	
130 2,4-Dinitrotoluene	165	7.071	7.071	0.0	93	1236294	122.6	
131 Dibenzofuran	168	7.097	7.097	0.0	99	4542452	114.4	
133 2,3,4,6-Tetrachlorophenol	232	7.194	7.194	0.0	75	957560	123.2	
134 Hexadecane	57	7.199	7.194	0.005	95	2051718	118.0	
137 Diethyl phthalate	149	7.236	7.231	0.005	100	3773211	115.4	
141 4-Chlorophenyl phenyl ether	204	7.359	7.359	0.0	97	1812248	118.0	
142 Fluorene	166	7.386	7.386	0.0	99	3871818	117.6	
145 4-Nitroaniline	138	7.418	7.413	0.005	75	1030139	118.0	
146 4,6-Dinitro-2-methylphenol	198	7.418	7.418	0.0	80	1516793	261.9	
148 N-Nitrosodiphenylamine	169	7.466	7.466	0.0	99	2958065	118.5	
151 1,2-Diphenylhydrazine	77	7.498	7.498	0.0	97	4171173	118.7	
150 Azobenzene	77	7.498	7.498	0.0	97	4171173	117.4	
155 2,4,6 - Tribromophenol	330	7.594	7.594	0.0	92	537520	126.1	
163 4-Bromophenyl phenyl ether	248	7.781	7.781	0.0	96	1027821	118.9	
164 Hexachlorobenzene	284	7.856	7.851	0.005	97	1036754	118.5	
166 Atrazine	200	7.888	7.883	0.005	98	1033534	118.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.968	7.968	0.0	96	1109612	122.6	
169 Pentachlorophenol	266	8.016	8.016	0.0	94	1441717	251.0	
176 Phenanthrene	178	8.214	8.214	0.0	99	5375383	115.4	
177 Anthracene	178	8.257	8.257	0.0	100	5560717	118.4	
178 Carbazole	167	8.385	8.385	0.0	99	5353227	117.7	
179 Alachlor	188	8.449	8.449	0.0	98	808206	125.5	
181 Di-n-butyl phthalate	149	8.615	8.615	0.0	100	6341605	120.2	
190 Pyrene	202	9.437	9.437	0.0	99	6099141	120.1	
188 Benzidine	184	9.592	9.592	0.0	67	4144922	127.0	
187 Fluoranthene	202	9.758	9.758	0.0	99	6413409	120.6	
196 Famphur	218	10.629	10.629	0.0	98	2296728	124.6	
197 Butyl benzyl phthalate	149	10.703	10.703	0.0	95	3105349	128.1	
202 Bis(2-ethylhexyl) phthalate	149	11.916	11.916	0.0	99	4101465	122.1	
204 3,3'-Dichlorobenzidine	252	11.943	11.937	0.006	98	2264896	128.4	
206 Benzo[a]anthracene	228	11.991	11.986	0.005	100	6148010	120.4	
207 Chrysene	228	12.082	12.076	0.006	100	5657344	118.2	
208 Di-n-octyl phthalate	149	13.748	13.748	0.0	100	7009987	121.3	
211 Benzo[b]fluoranthene	252	14.966	14.961	0.005	96	5519171	129.3	
212 Benzo[k]fluoranthene	252	15.052	15.052	0.0	99	5785298	124.7	
214 Benzo[e]pyrene	252	15.837	15.837	0.0	0	4767988	126.7	
215 Benzo[a]pyrene	252	16.003	15.997	0.006	97	5562657	130.2	
222 Indeno[1,2,3-cd]pyrene	276	19.513	19.502	0.011	63	4658436	133.6	
221 Dibenz(a,h)anthracene	278	19.566	19.566	0.0	74	4795767	130.5	
223 Benzo[g,h,i]perylene	276	20.015	20.009	0.006	100	4895373	122.7	
S 226 Methyl Phenols,Total	108				0		234.8	
S 225 Total Cresols	108				0		234.8	

QC Flag Legend

Review Flags
M - Manually Integrated

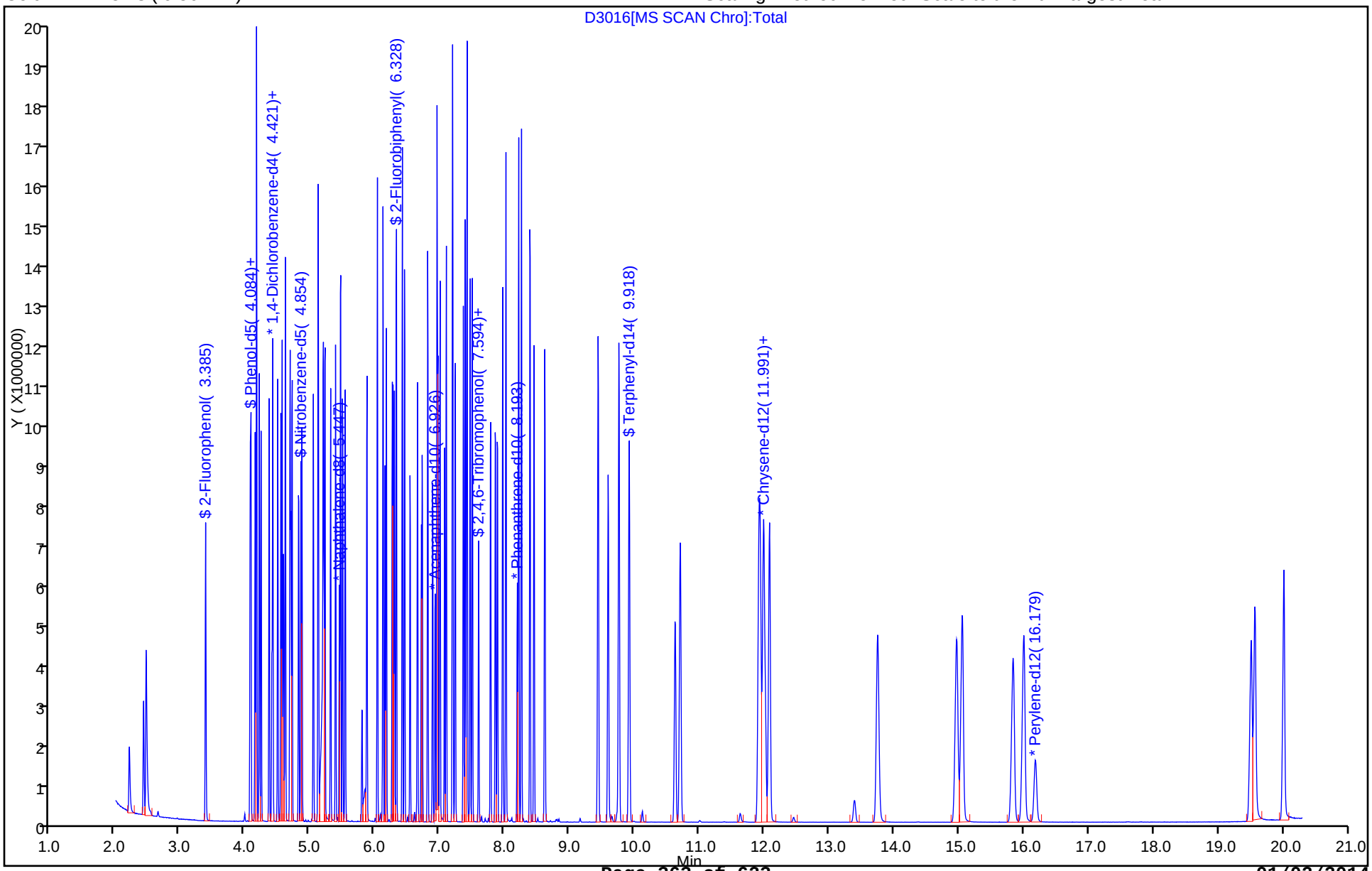
Report Date: 27-Dec-2013 09:30:54 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3016.D

Injection Date:	26-Dec-2013 09:27:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	IC HSLA120	Lab Sample ID:		Worklist Smp#:	4
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

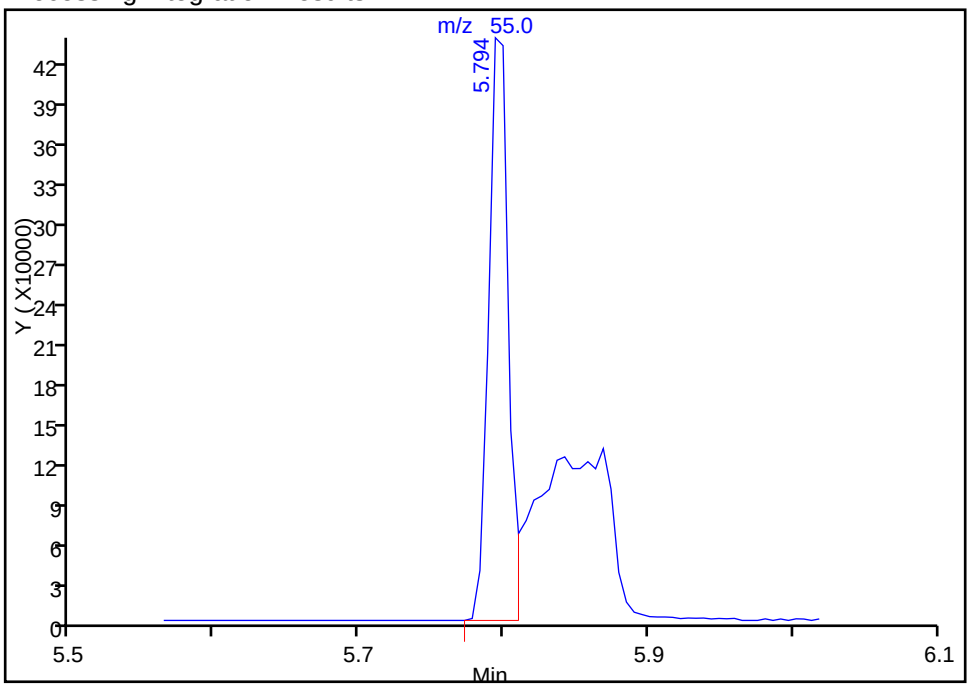
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_D\20131226-18601.b\D3016.D				
Injection Date:	26-Dec-2013 09:27:30	Instrument ID:	SMS_D		
Lims ID:	IC HSLA120	Lab Sample ID:			
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

93 Caprolactam, CAS: 105-60-2

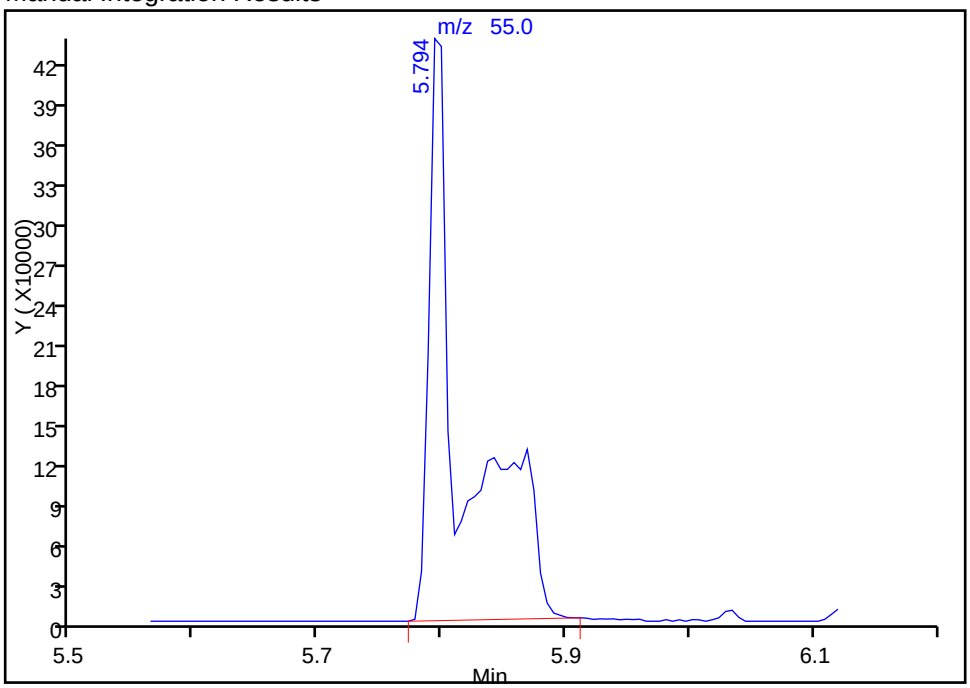
Processing Integration Results

RT: 5.79
Response: 414717
Amount: 80.060020



Manual Integration Results

RT: 5.79
Response: 831595
Amount: 127.9255



Reviewer: hoffmanm, 26-Dec-2013 11:26:32
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3017.D
Lims ID: ICIS HSLA080 Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 26-Dec-2013 09:54:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA080
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:30:55 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 11:27:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.405	4.405	0.0	98	427326	40.0	
* 2 Naphthalene-d8	136	5.447	5.447	0.0	100	1672366	40.0	
* 3 Acenaphthene-d10	164	6.927	6.927	0.0	100	983009	40.0	
* 4 Phenanthrene-d10	188	8.193	8.193	0.0	99	1666371	40.0	
* 5 Chrysene-d12	240	12.018	12.018	0.0	85	1774896	40.0	
* 6 Perylene-d12	264	16.179	16.179	0.0	96	1550170	40.0	
$ 7 2-Fluorophenol	112	3.385	3.385	0.0	99	1114937	81.7	
$ 8 Phenol-d5	99	4.068	4.068	0.0	99	1399763	81.0	
$ 9 Nitrobenzene-d5	82	4.854	4.854	0.0	96	1301824	81.9	
$ 11 2-Fluorobiphenyl	172	6.328	6.328	0.0	95	2396253	80.5	
$ 12 2,4,6-Tribromophenol	330	7.594	7.594	0.0	91	318899	85.1	
$ 13 Terphenyl-d14	244	9.918	9.918	0.0	99	2571931	81.3	
27 1,4-Dioxane	88	2.209	2.209	0.0	96	493126	77.3	
28 N-Nitrosodimethylamine	74	2.428	2.428	0.0	94	758039	81.4	
29 Pyridine	79	2.466	2.466	0.0	95	1293573	80.5	
39 Phenol	94	4.079	4.079	0.0	95	1400984	80.1	
41 Aniline	93	4.149	4.149	0.0	99	1803661	81.0	
42 Alpha Methyl Styrene	118	4.170	4.170	0.0	97	1139842	80.6	
43 Bis(2-chloroethyl)ether	93	4.170	4.170	0.0	94	1107836	79.4	
45 n-Decane	43	4.213	4.213	0.0	98	965775	80.5	
47 2-Chlorophenol	128	4.239	4.239	0.0	99	1164303	81.5	
48 1,3-Dichlorobenzene	146	4.362	4.362	0.0	98	1250777	80.5	
49 1,4-Dichlorobenzene	146	4.421	4.421	0.0	98	1250091	79.1	
50 Benzyl alcohol	108	4.496	4.496	0.0	97	781382	82.6	
51 1,2-Dichlorobenzene	146	4.544	4.544	0.0	96	1210640	80.3	
53 2-Methylphenol	108	4.565	4.565	0.0	65	1118393	81.6	
54 2,2'-oxybis[1-chloropropane]	45	4.587	4.587	0.0	90	1315687	81.0	
55 Indene	116	4.613	4.613	0.0	93	1911489	81.2	
57 3-Methylphenol	108	4.683	4.683	0.0	96	1144690	81.7	
56 3 & 4 Methylphenol	108	4.683	4.683	0.0	70	1144690	81.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.683	4.683	0.0	92	1144690	81.7	
59 N-Nitrosodi-n-propylamine	70	4.699	4.699	0.0	91	840378	81.7	
61 Acetophenone	105	4.715	4.715	0.0	66	1617068	81.2	
64 Hexachloroethane	117	4.816	4.816	0.0	96	503108	81.6	
65 Nitrobenzene	77	4.870	4.870	0.0	95	1277682	82.0	
69 Isophorone	82	5.046	5.046	0.0	98	2153067	82.4	
71 2,4-Dimethylphenol	107	5.116	5.116	0.0	97	1152351	82.5	
70 2-Nitrophenol	139	5.126	5.126	0.0	93	601722	84.3	
74 Benzoic acid	105	5.196	5.196	0.0	97	1858455	160.3	
75 Bis(2-chloroethoxy)methane	93	5.201	5.201	0.0	96	1292082	80.1	
76 3,5-Dimethylphenol	107	5.222	5.222	0.0	0	1191498	82.4	
78 2,4-Dichlorophenol	162	5.313	5.313	0.0	99	953405	82.2	
82 1,2,4-Trichlorobenzene	180	5.388	5.388	0.0	94	1003812	80.9	
84 Naphthalene	128	5.463	5.463	0.0	100	3228525	82.2	
85 4-Chloroaniline	127	5.495	5.495	0.0	100	1458028	81.0	
88 Hexachlorobutadiene	225	5.538	5.538	0.0	96	593944	80.7	
93 Caprolactam	55	5.789	5.789	0.0	95	489542	86.3	M
96 4-Chloro-3-methylphenol	107	5.869	5.869	0.0	98	999924	82.6	
101 2-Methylnaphthalene	142	6.034	6.034	0.0	100	2171258	81.6	
103 1-Methylnaphthalene	142	6.120	6.120	0.0	98	2007468	81.2	
104 Hexachlorocyclopentadiene	237	6.152	6.152	0.0	98	634154	85.1	
105 1,2,4,5-Tetrachlorobenzene	216	6.173	6.173	0.0	98	980341	79.9	
107 2,4,6-Trichlorophenol	196	6.264	6.264	0.0	81	702863	84.0	
108 2,3-Dichlorobenzenamine	161	6.275	6.275	0.0	84	1147379	80.1	
109 2,4,5-Trichlorophenol	196	6.296	6.296	0.0	98	731793	82.0	
111 1,1'-Biphenyl	154	6.419	6.419	0.0	95	2579044	81.3	
113 2-Chloronaphthalene	162	6.451	6.451	0.0	99	2055261	80.8	
115 2-Nitroaniline	65	6.537	6.537	0.0	96	677179	85.1	
119 Dimethyl phthalate	163	6.654	6.654	0.0	99	2329717	81.2	
120 1,3-Dinitrobenzene	168	6.713	6.713	0.0	88	409579	87.1	
121 2,6-Dinitrotoluene	165	6.723	6.723	0.0	91	554927	83.0	
122 Acenaphthylene	152	6.809	6.809	0.0	100	3177293	82.8	
123 3-Nitroaniline	138	6.884	6.884	0.0	97	667571	83.4	
124 Acenaphthene	153	6.953	6.953	0.0	98	1979926	80.0	
125 2,4-Dinitrophenol	184	6.964	6.964	0.0	92	745890	167.4	
127 4-Nitrophenol	109	6.996	6.996	0.0	93	836943	166.0	
130 2,4-Dinitrotoluene	165	7.071	7.071	0.0	96	746612	83.6	
131 Dibenzofuran	168	7.097	7.097	0.0	99	2819573	80.3	
133 2,3,4,6-Tetrachlorophenol	232	7.194	7.194	0.0	75	577478	84.0	
134 Hexadecane	57	7.194	7.194	0.0	95	1253494	81.5	
137 Diethyl phthalate	149	7.231	7.231	0.0	99	2347840	81.2	
141 4-Chlorophenyl phenyl ether	204	7.359	7.359	0.0	97	1114930	82.0	
142 Fluorene	166	7.386	7.386	0.0	100	2378769	81.6	
145 4-Nitroaniline	138	7.413	7.413	0.0	93	641112	83.0	
146 4,6-Dinitro-2-methylphenol	198	7.418	7.418	0.0	94	914248	179.5	
148 N-Nitrosodiphenylamine	169	7.466	7.466	0.0	100	1791729	81.6	
151 1,2-Diphenylhydrazine	77	7.498	7.498	0.0	97	2565710	82.5	
150 Azobenzene	77	7.498	7.498	0.0	97	2565710	81.6	
155 2,4,6 - Tribromophenol	330	7.594	7.594	0.0	91	318899	84.6	
163 4-Bromophenyl phenyl ether	248	7.781	7.781	0.0	96	621385	81.7	
164 Hexachlorobenzene	284	7.851	7.851	0.0	94	620932	80.7	
166 Atrazine	200	7.883	7.883	0.0	96	632012	82.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.968	7.968	0.0	96	671084	84.3	
169 Pentachlorophenol	266	8.016	8.016	0.0	94	886632	175.5	
176 Phenanthrene	178	8.214	8.214	0.0	100	3356333	81.9	
177 Anthracene	178	8.257	8.257	0.0	100	3463756	83.9	
178 Carbazole	167	8.385	8.385	0.0	100	3326891	83.2	
179 Alachlor	188	8.449	8.449	0.0	98	481490	85.0	
181 Di-n-butyl phthalate	149	8.615	8.615	0.0	100	3967026	85.5	
190 Pyrene	202	9.437	9.437	0.0	99	3733348	82.8	
188 Benzidine	184	9.592	9.592	0.0	62	2537575	87.6	
187 Fluoranthene	202	9.758	9.758	0.0	99	3925306	83.9	
196 Famphur	218	10.629	10.629	0.0	98	1457112	89.1	
197 Butyl benzyl phthalate	149	10.703	10.703	0.0	94	1872322	87.0	
202 Bis(2-ethylhexyl) phthalate	149	11.916	11.916	0.0	99	2446601	82.8	
204 3,3'-Dichlorobenzidine	252	11.937	11.937	0.0	97	1362711	87.1	
206 Benzo[a]anthracene	228	11.986	11.986	0.0	100	3697103	81.6	
207 Chrysene	228	12.076	12.076	0.0	99	3411021	80.3	
208 Di-n-octyl phthalate	149	13.748	13.748	0.0	100	4091651	81.4	
211 Benzo[b]fluoranthene	252	14.961	14.961	0.0	98	3284031	85.5	
212 Benzo[k]fluoranthene	252	15.052	15.052	0.0	100	3487408	83.5	
214 Benzo[e]pyrene	252	15.837	15.837	0.0	0	2847783	84.1	
215 Benzo[a]pyrene	252	15.997	15.997	0.0	99	3283166	85.4	
222 Indeno[1,2,3-cd]pyrene	276	19.502	19.502	0.0	60	2794676	89.1	
221 Dibenz(a,h)anthracene	278	19.566	19.566	0.0	73	2920589	88.3	
223 Benzo[g,h,i]perylene	276	20.009	20.009	0.0	100	3016055	84.0	
S 226 Methyl Phenols,Total	108				0		163.3	
S 225 Total Cresols	108				0		163.3	

QC Flag Legend

Review Flags
M - Manually Integrated

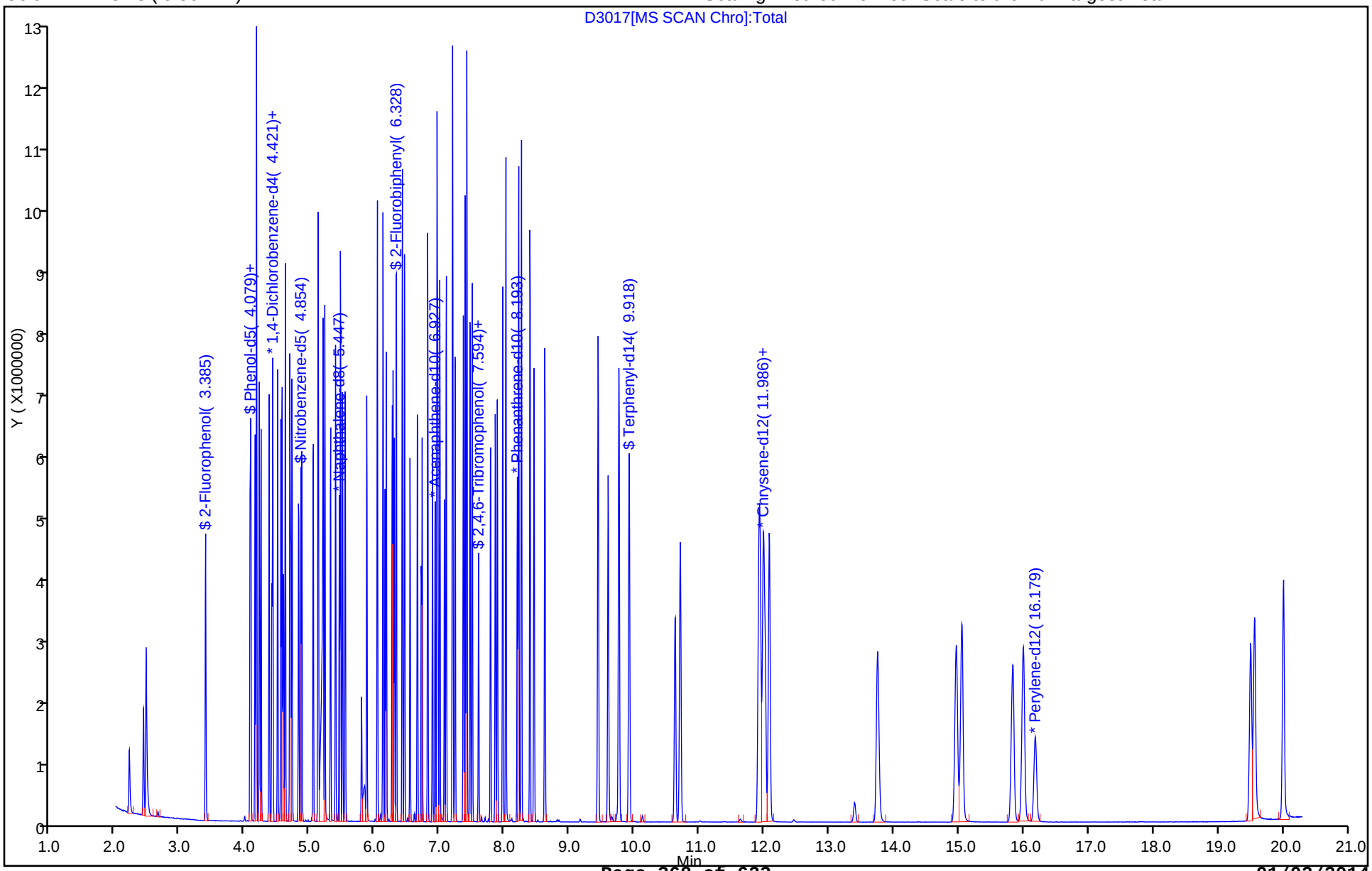
Report Date: 27-Dec-2013 09:30:56 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3017.D

Injection Date:	26-Dec-2013 09:54:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	ICIS HSLA080	Lab Sample ID:		Worklist Smp#:	5
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

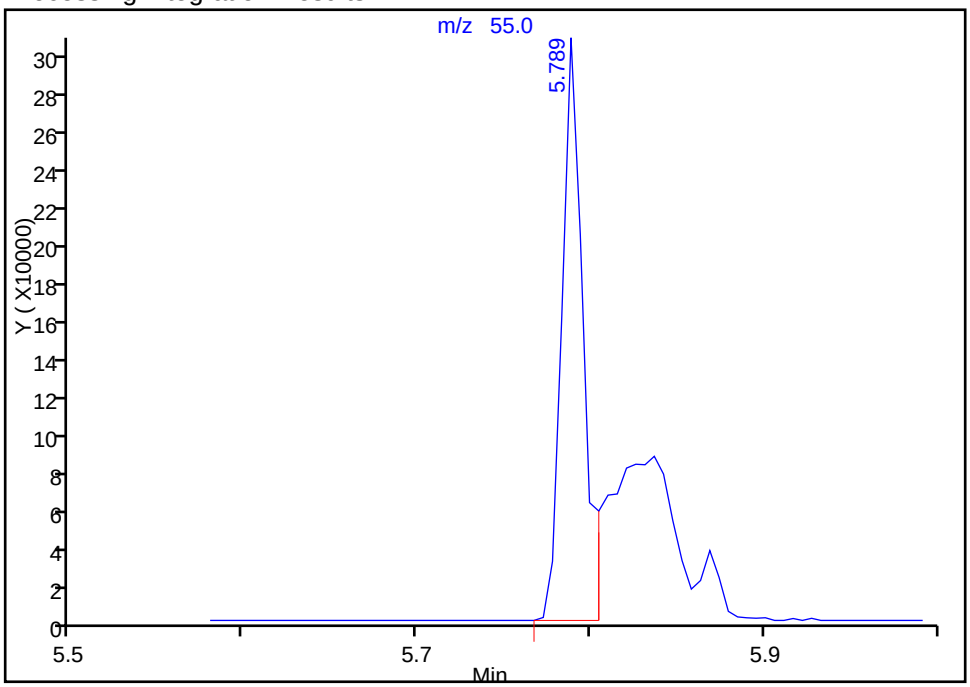
TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3017.D
Injection Date: 26-Dec-2013 09:54:30 Instrument ID: SMS_D
Lims ID: ICIS HSLA080 Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625
Column: VF-5ms (0.50 mm) Detector MS SCAN

93 Caprolactam, CAS: 105-60-2

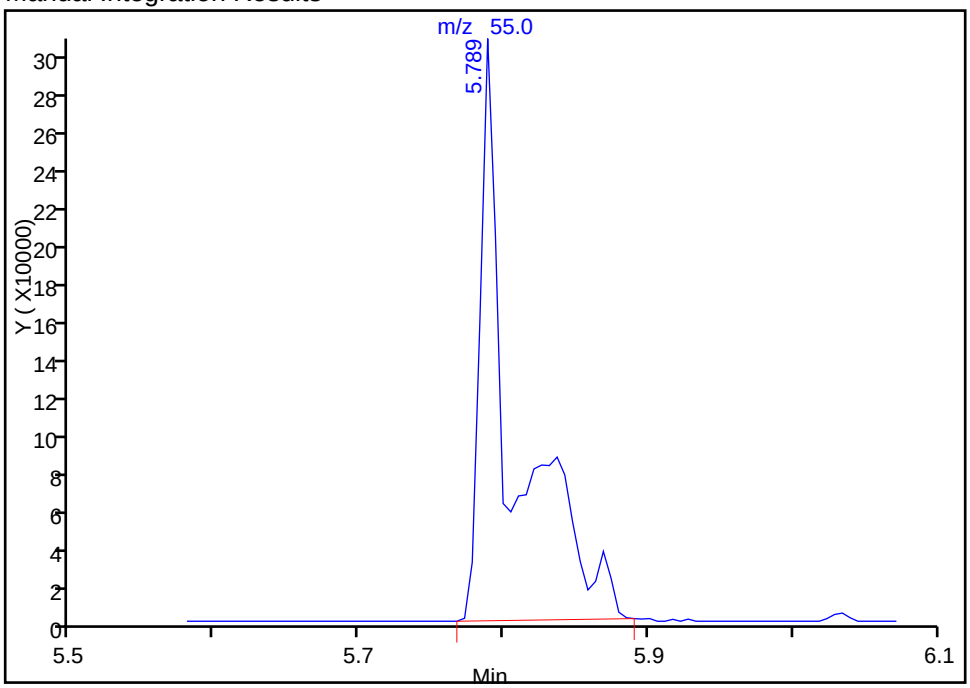
Processing Integration Results

RT: 5.79
Response: 262308
Amount: 52.176703



Manual Integration Results

RT: 5.79
Response: 489542
Amount: 86.268619



Reviewer: hoffmanm, 26-Dec-2013 11:27:26
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3018.D
Lims ID: IC HSLA050 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 26-Dec-2013 10:22:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA050
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:30:57 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 11:28:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.408	4.405	0.003	98	421235	40.0	
* 2 Naphthalene-d8	136	5.444	5.447	-0.003	99	1622983	40.0	
* 3 Acenaphthene-d10	164	6.924	6.927	-0.002	99	963124	40.0	
* 4 Phenanthrene-d10	188	8.190	8.193	-0.003	99	1647625	40.0	
* 5 Chrysene-d12	240	12.010	12.018	-0.008	86	1731270	40.0	
* 6 Perylene-d12	264	16.182	16.179	0.003	97	1513579	40.0	
$ 7 2-Fluorophenol	112	3.382	3.385	-0.003	99	677097	50.3	
$ 8 Phenol-d5	99	4.071	4.068	0.003	98	863040	50.7	
$ 9 Nitrobenzene-d5	82	4.851	4.854	-0.003	96	794628	51.5	
$ 11 2-Fluorobiphenyl	172	6.326	6.328	-0.002	95	1488293	51.0	
$ 12 2,4,6-Tribromophenol	330	7.597	7.594	0.003	97	194238	52.9	
$ 13 Terphenyl-d14	244	9.915	9.918	-0.003	99	1571084	50.9	
27 1,4-Dioxane	88	2.207	2.209	-0.002	96	318115	50.6	
28 N-Nitrosodimethylamine	74	2.426	2.428	-0.002	94	463553	50.5	
29 Pyridine	79	2.469	2.466	0.003	95	792815	50.1	
39 Phenol	94	4.082	4.079	0.003	90	877146	50.8	
41 Aniline	93	4.146	4.149	-0.003	100	1080622	49.2	
42 Alpha Methyl Styrene	118	4.167	4.170	-0.003	97	713238	51.2	
43 Bis(2-chloroethyl)ether	93	4.167	4.170	-0.003	92	702908	51.1	
45 n-Decane	43	4.210	4.213	-0.003	98	598153	50.6	
47 2-Chlorophenol	128	4.237	4.239	-0.002	98	707657	50.3	
48 1,3-Dichlorobenzene	146	4.365	4.362	0.003	98	770788	50.4	
49 1,4-Dichlorobenzene	146	4.418	4.421	-0.003	97	794347	51.0	
50 Benzyl alcohol	108	4.493	4.496	-0.003	97	478091	51.2	
51 1,2-Dichlorobenzene	146	4.547	4.544	0.003	97	749840	50.4	
53 2-Methylphenol	108	4.563	4.565	-0.002	66	680591	50.4	
54 2,2'-oxybis[1-chloropropane]	45	4.584	4.587	-0.003	90	808246	50.5	
55 Indene	116	4.616	4.613	0.003	90	1176571	50.7	
57 3-Methylphenol	108	4.680	4.683	-0.003	97	702538	50.9	
56 3 & 4 Methylphenol	108	4.680	4.683	-0.003	69	702538	50.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.680	4.683	-0.003	93	702538	50.9	
59 N-Nitrosodi-n-propylamine	70	4.696	4.699	-0.003	91	510023	50.3	
61 Acetophenone	105	4.718	4.715	0.003	64	991468	50.5	
64 Hexachloroethane	117	4.819	4.816	0.003	96	309027	50.8	
65 Nitrobenzene	77	4.867	4.870	-0.003	96	774993	51.3	
69 Isophorone	82	5.043	5.046	-0.003	98	1318612	52.0	
71 2,4-Dimethylphenol	107	5.118	5.116	0.002	98	716223	52.8	
70 2-Nitrophenol	139	5.124	5.126	-0.002	89	366140	52.8	
74 Benzoic acid	105	5.182	5.196	-0.014	97	1122221	101.0	
75 Bis(2-chloroethoxy)methane	93	5.198	5.201	-0.003	89	811347	51.8	
76 3,5-Dimethylphenol	107	5.225	5.222	0.003	0	725134	51.7	
78 2,4-Dichlorophenol	162	5.311	5.313	-0.002	98	574194	51.0	
82 1,2,4-Trichlorobenzene	180	5.391	5.388	0.003	95	618575	51.4	
84 Naphthalene	128	5.465	5.463	0.002	100	2009356	52.7	
85 4-Chloroaniline	127	5.498	5.495	0.003	99	891952	51.1	
88 Hexachlorobutadiene	225	5.540	5.538	0.002	98	364856	51.1	
93 Caprolactam	55	5.781	5.789	-0.008	96	299077	54.3	M
96 4-Chloro-3-methylphenol	107	5.871	5.869	0.002	98	610867	52.0	
101 2-Methylnaphthalene	142	6.032	6.034	-0.002	99	1332674	51.6	
103 1-Methylnaphthalene	142	6.123	6.120	0.003	98	1254455	52.3	
104 Hexachlorocyclopentadiene	237	6.155	6.152	0.003	93	377350	51.7	
105 1,2,4,5-Tetrachlorobenzene	216	6.171	6.173	-0.002	98	606779	50.9	
107 2,4,6-Trichlorophenol	196	6.261	6.264	-0.003	80	420787	51.3	
108 2,3-Dichlorobenzenamine	161	6.277	6.275	0.002	80	713098	50.8	
109 2,4,5-Trichlorophenol	196	6.293	6.296	-0.003	96	448500	51.3	
111 1,1'-Biphenyl	154	6.416	6.419	-0.003	95	1606846	51.7	
113 2-Chloronaphthalene	162	6.454	6.451	0.003	99	1267997	50.9	
115 2-Nitroaniline	65	6.539	6.537	0.002	97	409175	52.5	
119 Dimethyl phthalate	163	6.651	6.654	-0.003	99	1449669	51.6	
120 1,3-Dinitrobenzene	168	6.710	6.713	-0.003	88	245270	53.2	
121 2,6-Dinitrotoluene	165	6.726	6.723	0.003	96	333933	51.0	
122 Acenaphthylene	152	6.812	6.809	0.003	100	1962433	52.2	
123 3-Nitroaniline	138	6.881	6.884	-0.003	97	404809	51.6	
124 Acenaphthene	153	6.951	6.953	-0.002	99	1251584	51.6	
125 2,4-Dinitrophenol	184	6.967	6.964	0.003	95	430452	100.7	
127 4-Nitrophenol	109	6.993	6.996	-0.003	94	522453	105.8	
130 2,4-Dinitrotoluene	165	7.068	7.071	-0.003	95	461061	52.7	
131 Dibenzofuran	168	7.095	7.097	-0.002	99	1761391	51.2	
133 2,3,4,6-Tetrachlorophenol	232	7.191	7.194	-0.003	74	362846	53.8	
134 Hexadecane	57	7.196	7.194	0.002	95	795321	52.8	
137 Diethyl phthalate	149	7.234	7.231	0.003	100	1453466	51.3	
141 4-Chlorophenyl phenyl ether	204	7.362	7.359	0.003	98	685775	51.5	
142 Fluorene	166	7.389	7.386	0.003	100	1480882	51.9	
145 4-Nitroaniline	138	7.410	7.413	-0.003	88	393414	52.0	
146 4,6-Dinitro-2-methylphenol	198	7.415	7.418	-0.003	95	551399	109.5	
148 N-Nitrosodiphenylamine	169	7.463	7.466	-0.003	100	1110143	51.2	
151 1,2-Diphenylhydrazine	77	7.495	7.498	-0.003	97	1593942	52.3	
150 Azobenzene	77	7.495	7.498	-0.003	97	1593942	51.8	
155 2,4,6 - Tribromophenol	330	7.597	7.594	0.003	97	194238	52.6	
163 4-Bromophenyl phenyl ether	248	7.779	7.781	-0.002	94	382052	50.8	
164 Hexachlorobenzene	284	7.853	7.851	0.002	94	382207	50.3	
166 Atrazine	200	7.880	7.883	-0.003	96	390765	51.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.966	7.968	-0.002	96	416684	53.0	
169 Pentachlorophenol	266	8.014	8.016	-0.002	92	519830	104.1	
176 Phenanthrene	178	8.211	8.214	-0.003	100	2121167	52.4	
177 Anthracene	178	8.254	8.257	-0.003	100	2150875	52.7	
178 Carbazole	167	8.388	8.385	0.003	100	2080382	52.6	
179 Alachlor	188	8.452	8.449	0.003	98	297331	53.1	
181 Di-n-butyl phthalate	149	8.617	8.615	0.002	100	2487522	54.2	
190 Pyrene	202	9.440	9.437	0.003	99	2284938	52.0	
188 Benzidine	184	9.590	9.592	-0.002	53	1556357	55.1	
187 Fluoranthene	202	9.755	9.758	-0.003	99	2387614	51.6	
196 Famphur	218	10.621	10.629	-0.008	98	903604	56.6	
197 Butyl benzyl phthalate	149	10.706	10.703	0.003	94	1126720	53.7	
202 Bis(2-ethylhexyl) phthalate	149	11.913	11.916	-0.003	99	1434317	50.6	
204 3,3'-Dichlorobenzidine	252	11.935	11.937	-0.002	97	809615	53.0	
206 Benzo[a]anthracene	228	11.983	11.986	-0.003	100	2226676	50.4	
207 Chrysene	228	12.074	12.076	-0.002	100	2100109	50.7	
208 Di-n-octyl phthalate	149	13.746	13.748	-0.002	99	2334172	49.5	
211 Benzo[b]fluoranthene	252	14.958	14.961	-0.003	99	1929473	51.4	
212 Benzo[k]fluoranthene	252	15.044	15.052	-0.008	97	2131782	52.3	
214 Benzo[e]pyrene	252	15.824	15.837	-0.013	0	1724700	52.2	
215 Benzo[a]pyrene	252	15.989	15.997	-0.008	99	1984286	52.9	
222 Indeno[1,2,3-cd]pyrene	276	19.499	19.502	-0.003	60	1605793	52.4	
221 Dibenz(a,h)anthracene	278	19.558	19.566	-0.008	74	1674911	51.9	
223 Benzo[g,h,i]perylene	276	20.001	20.009	-0.008	99	1849394	52.8	
S 226 Methyl Phenols,Total	108				0		101.3	
S 225 Total Cresols	108				0		101.3	

QC Flag Legend

Review Flags
M - Manually Integrated

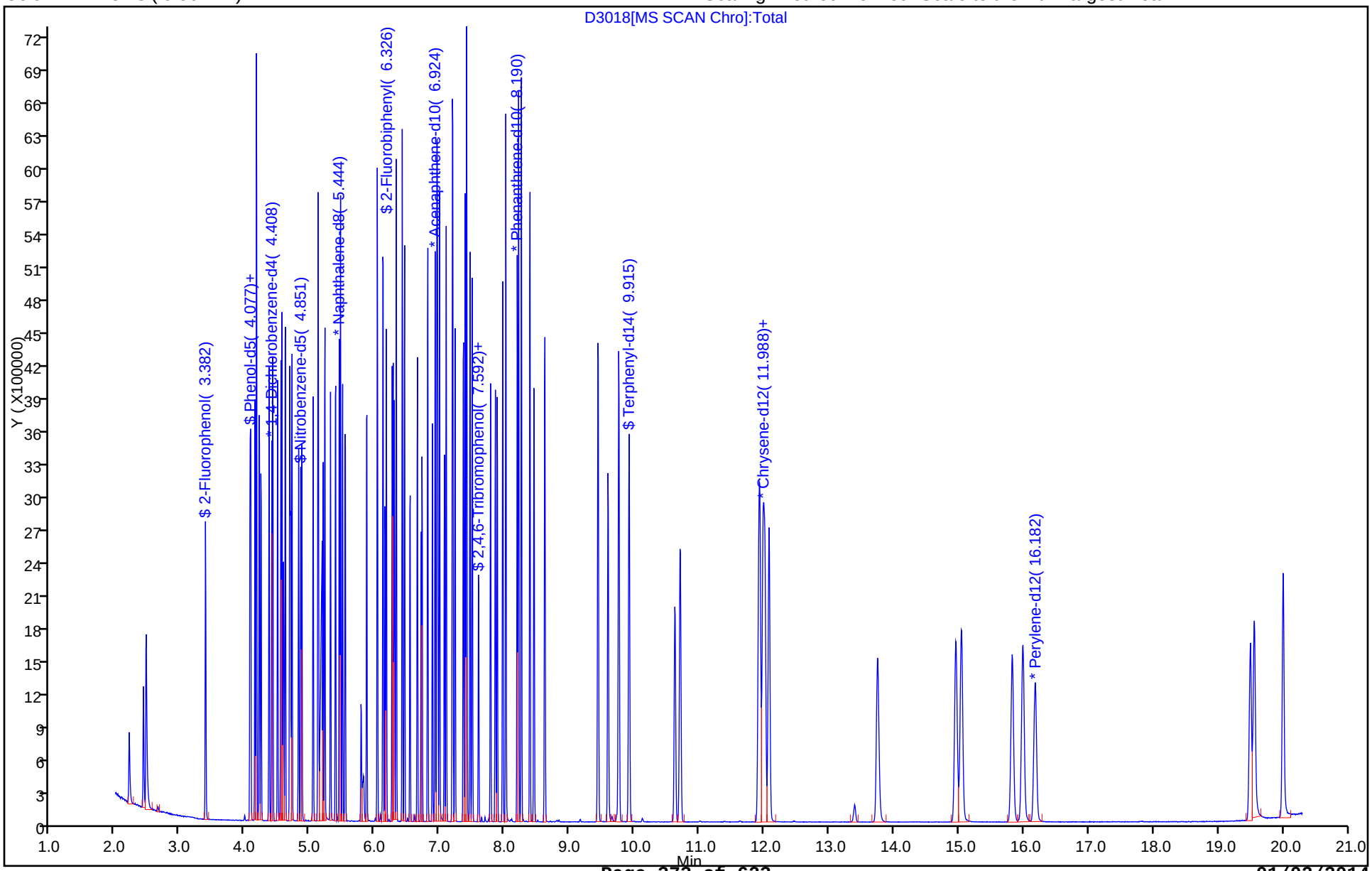
Report Date: 27-Dec-2013 09:30:58 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3018.D

Injection Date:	26-Dec-2013 10:22:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	IC HSLA050	Lab Sample ID:		Worklist Smp#:	6
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

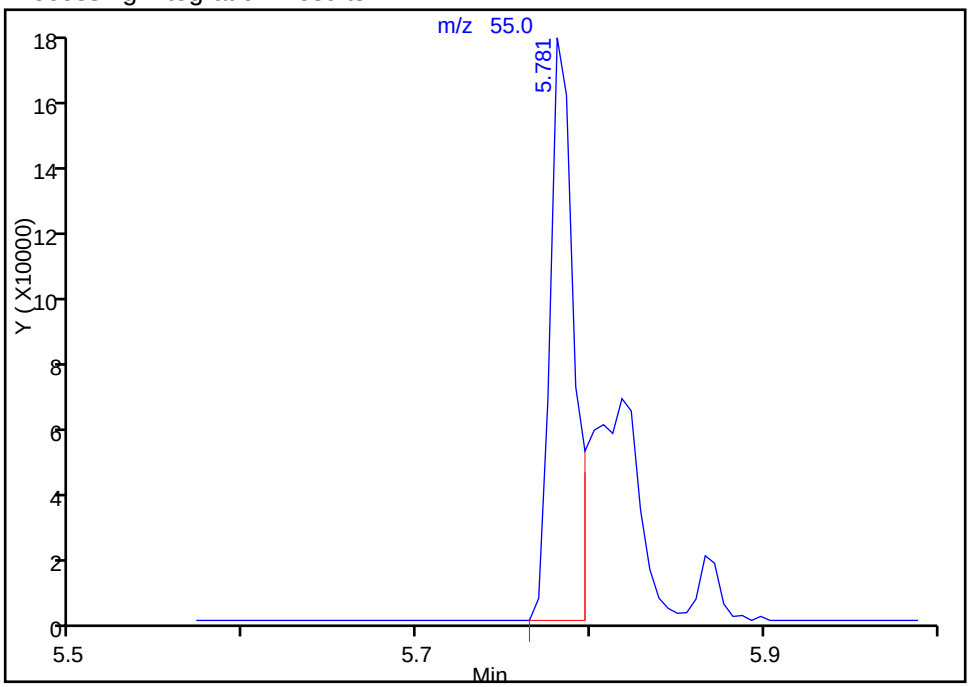
TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3018.D
Injection Date: 26-Dec-2013 10:22:30 Instrument ID: SMS_D
Lims ID: IC HSLA050 Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625
Column: VF-5ms (0.50 mm) Detector MS SCAN

93 Caprolactam, CAS: 105-60-2

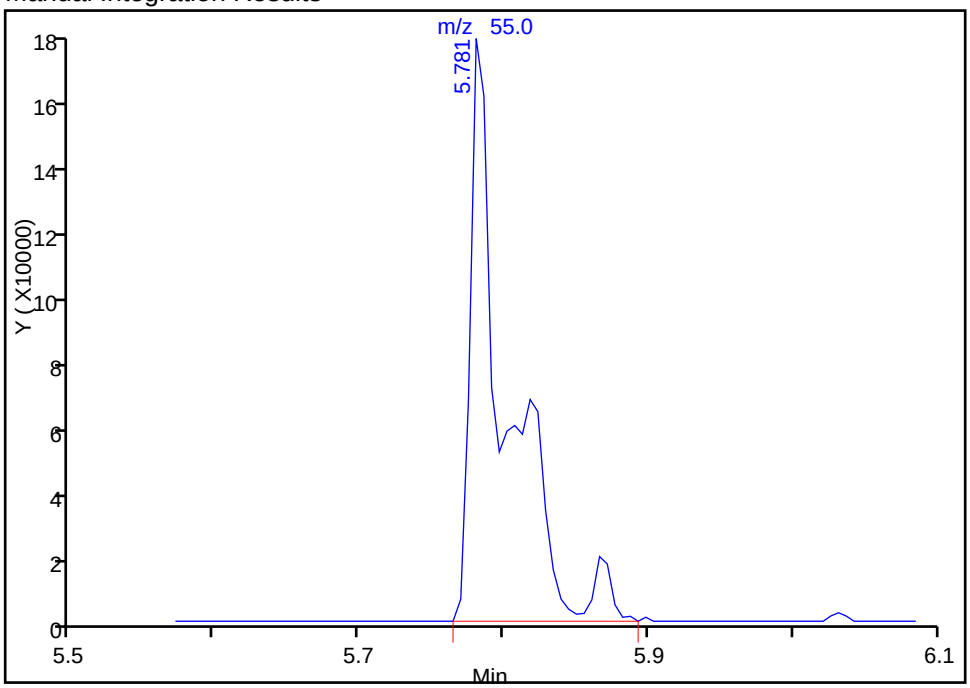
Processing Integration Results

RT: 5.78
Response: 167178
Amount: 31.316852



Manual Integration Results

RT: 5.78
Response: 299077
Amount: 54.307931



Reviewer: hoffmanm, 26-Dec-2013 11:28:21
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3019.D
Lims ID: IC HSLA020 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 26-Dec-2013 10:49:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA020
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:30:59 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 11:31:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.408	4.405	0.003	99	411867	40.0	
* 2 Naphthalene-d8	136	5.444	5.447	-0.003	99	1590557	40.0	
* 3 Acenaphthene-d10	164	6.924	6.927	-0.002	100	930305	40.0	
* 4 Phenanthrene-d10	188	8.190	8.193	-0.003	99	1601497	40.0	
* 5 Chrysene-d12	240	12.010	12.018	-0.008	80	1651520	40.0	
* 6 Perylene-d12	264	16.177	16.179	-0.002	96	1448974	40.0	
$ 7 2-Fluorophenol	112	3.382	3.385	-0.003	99	276093	21.0	
$ 8 Phenol-d5	99	4.066	4.068	-0.002	98	348687	20.9	
$ 9 Nitrobenzene-d5	82	4.851	4.854	-0.003	95	320690	21.2	
$ 11 2-Fluorobiphenyl	172	6.326	6.328	-0.002	94	599952	21.3	
$ 12 2,4,6-Tribromophenol	330	7.592	7.594	-0.002	86	72118	20.3	
$ 13 Terphenyl-d14	244	9.916	9.918	-0.002	99	611145	20.8	
27 1,4-Dioxane	88	2.207	2.209	-0.002	92	125155	20.3	
28 N-Nitrosodimethylamine	74	2.426	2.428	-0.002	95	181323	20.2	
29 Pyridine	79	2.469	2.466	0.003	94	313543	20.3	
39 Phenol	94	4.077	4.079	-0.002	95	353623	21.0	
41 Aniline	93	4.146	4.149	-0.003	99	441722	20.6	
42 Alpha Methyl Styrene	118	4.168	4.170	-0.002	97	293242	21.5	
43 Bis(2-chloroethyl)ether	93	4.168	4.170	-0.002	92	289325	21.5	
45 n-Decane	43	4.210	4.213	-0.003	98	243577	21.1	
47 2-Chlorophenol	128	4.237	4.239	-0.002	93	289441	21.0	
48 1,3-Dichlorobenzene	146	4.365	4.362	0.003	98	317646	21.2	
49 1,4-Dichlorobenzene	146	4.419	4.421	-0.002	96	318303	20.9	
50 Benzyl alcohol	108	4.493	4.496	-0.003	96	187733	20.6	
51 1,2-Dichlorobenzene	146	4.547	4.544	0.003	97	307263	21.1	
53 2-Methylphenol	108	4.563	4.565	-0.002	66	274974	20.8	
54 2,2'-oxybis[1-chloropropane]	45	4.584	4.587	-0.003	89	323875	20.7	
55 Indene	116	4.611	4.613	-0.002	98	480653	21.2	
57 3-Methylphenol	108	4.680	4.683	-0.003	97	278366	20.6	
56 3 & 4 Methylphenol	108	4.680	4.683	-0.003	69	278366	20.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.680	4.683	-0.003	94	278366	20.6	
59 N-Nitrosodi-n-propylamine	70	4.691	4.699	-0.008	93	205888	20.8	
61 Acetophenone	105	4.718	4.715	0.003	63	402531	21.0	
64 Hexachloroethane	117	4.819	4.816	0.003	95	123617	20.8	
65 Nitrobenzene	77	4.867	4.870	-0.003	95	314139	21.2	
69 Isophorone	82	5.044	5.046	-0.002	98	522384	21.0	
71 2,4-Dimethylphenol	107	5.118	5.116	0.002	97	282422	21.3	
70 2-Nitrophenol	139	5.124	5.126	-0.002	88	143689	21.2	
74 Benzoic acid	105	5.161	5.196	-0.035	96	403110	39.1	
75 Bis(2-chloroethoxy)methane	93	5.199	5.201	-0.002	82	328088	21.4	
76 3,5-Dimethylphenol	107	5.220	5.222	-0.002	0	290717	21.2	
78 2,4-Dichlorophenol	162	5.311	5.313	-0.002	98	233446	21.2	
82 1,2,4-Trichlorobenzene	180	5.391	5.388	0.003	95	248627	21.1	
84 Naphthalene	128	5.466	5.463	0.003	100	816861	21.9	
85 4-Chloroaniline	127	5.498	5.495	0.003	99	360204	21.0	
88 Hexachlorobutadiene	225	5.540	5.538	0.002	97	148168	21.2	
93 Caprolactam	55	5.776	5.789	-0.013	91	104170	19.3	
96 4-Chloro-3-methylphenol	107	5.866	5.869	-0.003	96	238659	20.7	
101 2-Methylnaphthalene	142	6.032	6.034	-0.002	99	542504	21.4	
103 1-Methylnaphthalene	142	6.123	6.120	0.003	97	504921	21.5	
104 Hexachlorocyclopentadiene	237	6.149	6.152	-0.003	94	139620	19.8	
105 1,2,4,5-Tetrachlorobenzene	216	6.171	6.173	-0.002	98	244706	21.0	
107 2,4,6-Trichlorophenol	196	6.262	6.264	-0.002	74	166081	21.0	
108 2,3-Dichlorobenzenamine	161	6.278	6.275	0.003	77	287934	21.2	
109 2,4,5-Trichlorophenol	196	6.294	6.296	-0.002	96	176053	20.8	
111 1,1'-Biphenyl	154	6.417	6.419	-0.002	94	637068	21.2	
113 2-Chloronaphthalene	162	6.449	6.451	-0.002	99	515057	21.4	
115 2-Nitroaniline	65	6.534	6.537	-0.003	96	154654	20.5	
119 Dimethyl phthalate	163	6.646	6.654	-0.008	98	579543	21.4	
120 1,3-Dinitrobenzene	168	6.705	6.713	-0.008	84	89995	20.2	
121 2,6-Dinitrotoluene	165	6.721	6.723	-0.002	91	130763	20.7	
122 Acenaphthylene	152	6.807	6.809	-0.002	100	780499	21.5	
123 3-Nitroaniline	138	6.881	6.884	-0.003	97	157183	20.7	
124 Acenaphthene	153	6.951	6.953	-0.002	99	504202	21.5	
125 2,4-Dinitrophenol	184	6.961	6.964	-0.003	88	138733	37.0	
127 4-Nitrophenol	109	6.988	6.996	-0.008	94	205242	43.0	
130 2,4-Dinitrotoluene	165	7.068	7.071	-0.003	92	179894	21.3	
131 Dibenzofuran	168	7.095	7.097	-0.002	99	713966	21.5	
133 2,3,4,6-Tetrachlorophenol	232	7.191	7.194	-0.003	75	137168	21.1	
134 Hexadecane	57	7.197	7.194	0.002	96	315979	21.7	
137 Diethyl phthalate	149	7.229	7.231	-0.002	99	586802	21.4	
141 4-Chlorophenyl phenyl ether	204	7.357	7.359	-0.002	96	273871	21.3	
142 Fluorene	166	7.383	7.386	-0.003	99	592330	21.5	
145 4-Nitroaniline	138	7.405	7.413	-0.008	87	161420	22.1	
146 4,6-Dinitro-2-methylphenol	198	7.410	7.418	-0.008	89	199961	40.9	
148 N-Nitrosodiphenylamine	169	7.458	7.466	-0.008	99	443800	21.0	
151 1,2-Diphenylhydrazine	77	7.496	7.498	-0.002	96	636175	21.6	
150 Azobenzene	77	7.496	7.498	-0.002	96	636175	21.4	
155 2,4,6 - Tribromophenol	330	7.592	7.594	-0.002	86	72118	20.2	
163 4-Bromophenyl phenyl ether	248	7.779	7.781	-0.002	93	150284	20.6	
164 Hexachlorobenzene	284	7.854	7.851	0.003	94	154224	20.9	
166 Atrazine	200	7.880	7.883	-0.003	96	158034	21.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.966	7.968	-0.002	96	159226	20.8	
169 Pentachlorophenol	266	8.014	8.016	-0.002	93	202383	41.7	
176 Phenanthrene	178	8.212	8.214	-0.002	100	847733	21.5	
177 Anthracene	178	8.254	8.257	-0.003	100	846375	21.3	
178 Carbazole	167	8.382	8.385	-0.003	100	814265	21.2	
179 Alachlor	188	8.447	8.449	-0.002	97	112994	20.8	
181 Di-n-butyl phthalate	149	8.612	8.615	-0.003	100	960221	21.5	
190 Pyrene	202	9.435	9.437	-0.002	99	890299	21.2	
188 Benzidine	184	9.590	9.592	-0.002	23	561200	20.8	
187 Fluoranthene	202	9.755	9.758	-0.003	99	931543	20.7	
196 Famphur	218	10.621	10.629	-0.008	94	336589	22.1	
197 Butyl benzyl phthalate	149	10.701	10.703	-0.002	94	413426	20.7	
202 Bis(2-ethylhexyl) phthalate	149	11.914	11.916	-0.002	98	497524	19.8	
204 3,3'-Dichlorobenzidine	252	11.930	11.937	-0.007	95	305019	20.9	
206 Benzo[a]anthracene	228	11.978	11.986	-0.008	99	859852	20.4	
207 Chrysene	228	12.069	12.076	-0.007	99	816066	20.6	
208 Di-n-octyl phthalate	149	13.746	13.748	-0.002	97	741422	19.6	
211 Benzo[b]fluoranthene	252	14.948	14.961	-0.013	94	714653	19.9	
212 Benzo[k]fluoranthene	252	15.033	15.052	-0.019	97	807923	20.7	
214 Benzo[e]pyrene	252	15.824	15.837	-0.013	0	647480	20.5	
215 Benzo[a]pyrene	252	15.984	15.997	-0.013	97	721890	20.1	
222 Indeno[1,2,3-cd]pyrene	276	19.494	19.502	-0.008	48	596114	20.3	
221 Dibenz(a,h)anthracene	278	19.553	19.566	-0.013	72	615980	19.9	
223 Benzo[g,h,i]perylene	276	19.996	20.009	-0.013	98	690218	20.6	
S 226 Methyl Phenols,Total	108				0		41.4	
S 225 Total Cresols	108				0		41.4	

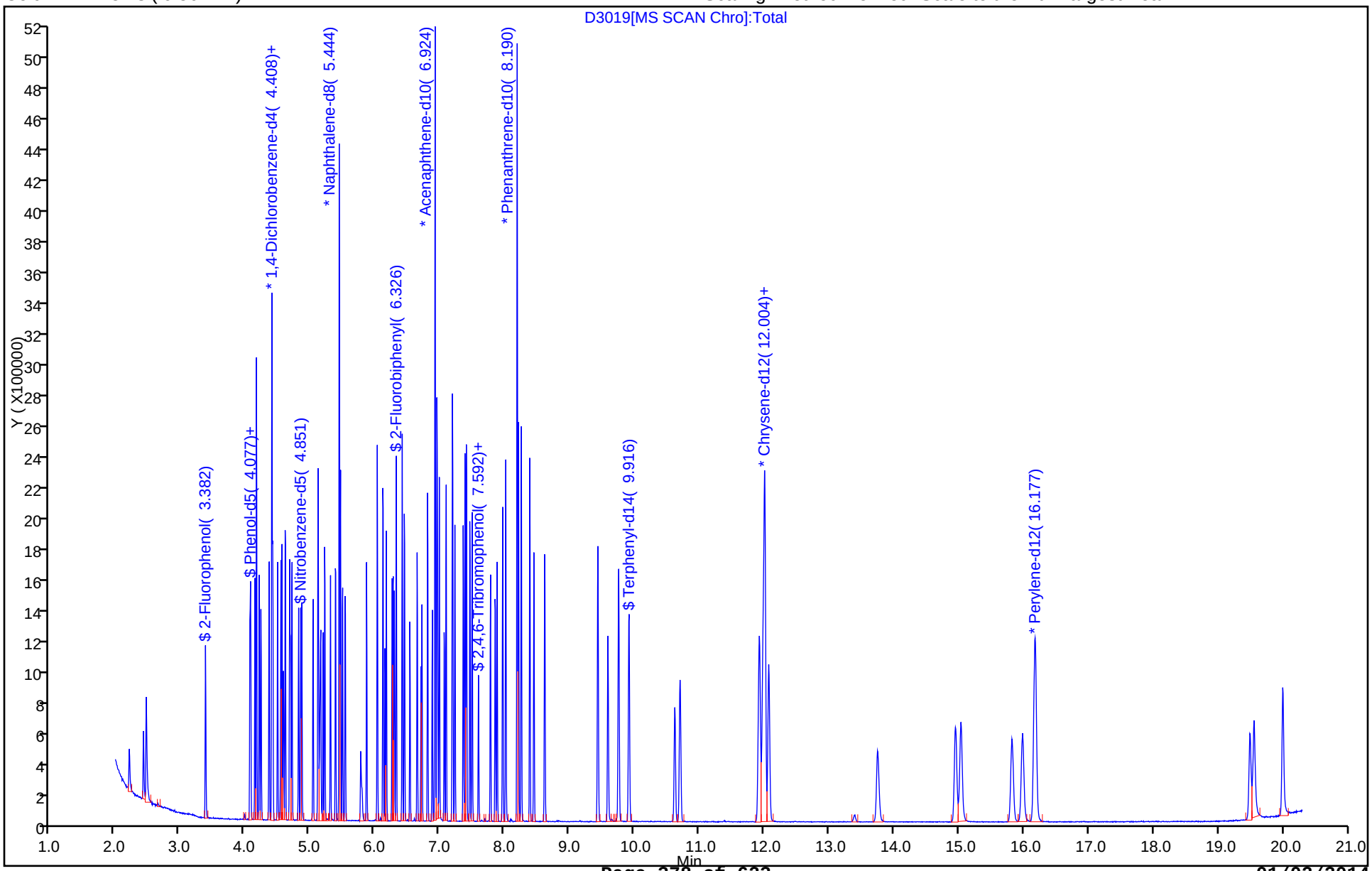
Report Date: 27-Dec-2013 09:30:59 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3019.D

Injection Date:	26-Dec-2013 10:49:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	IC HSLA020	Lab Sample ID:		Worklist Smp#:	7
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3020.D
Lims ID: IC HSLA010 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 26-Dec-2013 11:16:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA010
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:31:00 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 11:48:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.409	4.405	0.004	99	420028	40.0	
* 2 Naphthalene-d8	136	5.445	5.447	-0.002	99	1639274	40.0	
* 3 Acenaphthene-d10	164	6.925	6.927	-0.001	100	954908	40.0	
* 4 Phenanthrene-d10	188	8.191	8.193	-0.002	99	1620695	40.0	
* 5 Chrysene-d12	240	12.005	12.018	-0.013	79	1694072	40.0	
* 6 Perylene-d12	264	16.177	16.179	-0.002	95	1473091	40.0	
$ 7 2-Fluorophenol	112	3.383	3.385	-0.002	97	135249	10.1	
$ 8 Phenol-d5	99	4.067	4.068	-0.001	97	173733	10.2	
$ 9 Nitrobenzene-d5	82	4.852	4.854	-0.002	96	156833	10.1	
$ 11 2-Fluorobiphenyl	172	6.326	6.328	-0.002	93	308364	10.7	
$ 12 2,4,6-Tribromophenol	330	7.593	7.594	-0.001	71	35828	9.84	
$ 13 Terphenyl-d14	244	9.916	9.918	-0.002	95	298323	9.88	
27 1,4-Dioxane	88	2.208	2.209	-0.001	91	64447	10.3	
28 N-Nitrosodimethylamine	74	2.427	2.428	-0.001	95	93152	10.2	
29 Pyridine	79	2.469	2.466	0.003	92	159103	10.1	
39 Phenol	94	4.077	4.079	-0.002	92	176549	10.3	
41 Aniline	93	4.147	4.149	-0.002	97	226208	10.3	
42 Alpha Methyl Styrene	118	4.168	4.170	-0.002	97	146740	10.6	
43 Bis(2-chloroethyl)ether	93	4.168	4.170	-0.002	92	141925	10.4	
45 n-Decane	43	4.211	4.213	-0.002	97	120623	10.2	
47 2-Chlorophenol	128	4.238	4.239	-0.001	92	143512	10.2	
48 1,3-Dichlorobenzene	146	4.366	4.362	0.004	98	161626	10.6	
49 1,4-Dichlorobenzene	146	4.419	4.421	-0.002	96	160498	10.3	
50 Benzyl alcohol	108	4.494	4.496	-0.002	96	89902	9.66	
51 1,2-Dichlorobenzene	146	4.548	4.544	0.004	95	154632	10.4	
53 2-Methylphenol	108	4.564	4.565	-0.001	64	134820	10.0	
54 2,2'-oxybis[1-chloropropane]	45	4.585	4.587	-0.002	89	163443	10.2	
55 Indene	116	4.612	4.613	-0.001	88	239179	10.3	
57 3-Methylphenol	108	4.681	4.683	-0.002	95	142098	10.3	
56 3 & 4 Methylphenol	108	4.681	4.683	-0.002	63	142098	10.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.681	4.683	-0.002	91	142098	10.3	
59 N-Nitrosodi-n-propylamine	70	4.692	4.699	-0.007	92	103518	10.2	
61 Acetophenone	105	4.718	4.715	0.003	52	202743	10.4	
64 Hexachloroethane	117	4.820	4.816	0.004	94	61752	10.2	
65 Nitrobenzene	77	4.868	4.870	-0.002	94	157068	10.3	
69 Isophorone	82	5.044	5.046	-0.002	97	257198	10.0	
71 2,4-Dimethylphenol	107	5.119	5.116	0.003	96	141105	10.3	
70 2-Nitrophenol	139	5.124	5.126	-0.002	88	69766	9.97	
74 Benzoic acid	105	5.151	5.196	-0.045	96	178745	18.7	
75 Bis(2-chloroethoxy)methane	93	5.199	5.201	-0.002	78	164480	10.4	
76 3,5-Dimethylphenol	107	5.221	5.222	-0.001	0	146884	10.4	
78 2,4-Dichlorophenol	162	5.311	5.313	-0.002	96	114858	10.1	
82 1,2,4-Trichlorobenzene	180	5.386	5.388	-0.002	92	129382	10.6	
84 Naphthalene	128	5.466	5.463	0.003	99	418634	10.9	
85 4-Chloroaniline	127	5.498	5.495	0.003	98	180396	10.2	
88 Hexachlorobutadiene	225	5.536	5.538	-0.002	93	75309	10.4	
93 Caprolactam	55	5.776	5.789	-0.013	87	51668	9.29	
96 4-Chloro-3-methylphenol	107	5.867	5.869	-0.002	94	120120	10.1	
101 2-Methylnaphthalene	142	6.033	6.034	-0.001	95	273352	10.5	
103 1-Methylnaphthalene	142	6.118	6.120	-0.002	97	250376	10.3	
104 Hexachlorocyclopentadiene	237	6.150	6.152	-0.002	86	65200	9.01	
105 1,2,4,5-Tetrachlorobenzene	216	6.172	6.173	-0.001	98	125300	10.4	
107 2,4,6-Trichlorophenol	196	6.262	6.264	-0.002	69	79001	9.72	
108 2,3-Dichlorobenzenamine	161	6.273	6.275	-0.002	78	145114	10.4	
109 2,4,5-Trichlorophenol	196	6.294	6.296	-0.002	93	85679	9.88	
111 1,1'-Biphenyl	154	6.417	6.419	-0.002	94	328026	10.6	
113 2-Chloronaphthalene	162	6.449	6.451	-0.002	98	264003	10.7	
115 2-Nitroaniline	65	6.535	6.537	-0.002	96	75152	9.72	
119 Dimethyl phthalate	163	6.647	6.654	-0.007	98	287490	10.3	
120 1,3-Dinitrobenzene	168	6.706	6.713	-0.007	82	41420	9.06	
121 2,6-Dinitrotoluene	165	6.722	6.723	-0.001	93	68815	10.6	
122 Acenaphthylene	152	6.807	6.809	-0.002	100	398730	10.7	
123 3-Nitroaniline	138	6.882	6.884	-0.002	96	74875	9.63	
124 Acenaphthene	153	6.951	6.953	-0.002	99	253390	10.5	
125 2,4-Dinitrophenol	184	6.962	6.964	-0.002	81	53583	17.1	
127 4-Nitrophenol	109	6.989	6.996	-0.007	92	99856	20.4	
130 2,4-Dinitrotoluene	165	7.064	7.071	-0.007	89	83509	9.63	
131 Dibenzofuran	168	7.096	7.097	-0.001	99	366085	10.7	
133 2,3,4,6-Tetrachlorophenol	232	7.192	7.194	-0.002	75	64309	9.63	
134 Hexadecane	57	7.197	7.194	0.003	94	157081	10.5	
137 Diethyl phthalate	149	7.229	7.231	-0.002	99	296124	10.5	
141 4-Chlorophenyl phenyl ether	204	7.357	7.359	-0.002	94	132284	10.0	
142 Fluorene	166	7.384	7.386	-0.002	99	297466	10.5	
145 4-Nitroaniline	138	7.400	7.413	-0.013	92	76504	10.2	
146 4,6-Dinitro-2-methylphenol	198	7.411	7.418	-0.007	90	89474	18.1	
148 N-Nitrosodiphenylamine	169	7.459	7.466	-0.007	99	222810	10.4	
151 1,2-Diphenylhydrazine	77	7.496	7.498	-0.002	96	321631	10.7	
150 Azobenzene	77	7.496	7.498	-0.002	96	321631	10.5	
155 2,4,6 - Tribromophenol	330	7.593	7.594	-0.001	71	35828	9.78	
163 4-Bromophenyl phenyl ether	248	7.779	7.781	-0.002	92	74588	10.1	
164 Hexachlorobenzene	284	7.849	7.851	-0.002	91	75951	10.2	
166 Atrazine	200	7.881	7.883	-0.002	94	76232	10.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.966	7.968	-0.002	95	78529	10.1	
169 Pentachlorophenol	266	8.015	8.016	-0.001	92	94478	19.2	
176 Phenanthrene	178	8.212	8.214	-0.002	99	424042	10.6	
177 Anthracene	178	8.255	8.257	-0.002	99	430647	10.7	
178 Carbazole	167	8.383	8.385	-0.002	99	407872	10.5	
179 Alachlor	188	8.447	8.449	-0.002	92	52387	9.51	
181 Di-n-butyl phthalate	149	8.613	8.615	-0.002	99	469234	10.4	
190 Pyrene	202	9.436	9.437	-0.001	98	430162	10.0	
188 Benzidine	184	9.590	9.592	-0.002	13	261957	9.47	
187 Fluoranthene	202	9.756	9.758	-0.002	98	463501	10.2	
196 Famphur	218	10.622	10.629	-0.007	86	147950	9.47	
197 Butyl benzyl phthalate	149	10.702	10.703	-0.001	92	189324	9.22	
202 Bis(2-ethylhexyl) phthalate	149	11.914	11.916	-0.002	95	210002	9.44	
204 3,3'-Dichlorobenzidine	252	11.930	11.937	-0.007	86	138786	9.29	
206 Benzo[a]anthracene	228	11.978	11.986	-0.008	98	431901	9.98	
207 Chrysene	228	12.069	12.076	-0.007	97	408882	10.1	
208 Di-n-octyl phthalate	149	13.747	13.748	-0.001	93	276240	10.1	
211 Benzo[b]fluoranthene	252	14.949	14.961	-0.012	94	337060	9.23	
212 Benzo[k]fluoranthene	252	15.034	15.052	-0.018	93	376269	9.48	
214 Benzo[e]pyrene	252	15.819	15.837	-0.018	0	304456	9.46	
215 Benzo[a]pyrene	252	15.980	15.997	-0.017	92	333339	9.12	
222 Indeno[1,2,3-cd]pyrene	276	19.489	19.502	-0.013	57	237709	7.97	M
221 Dibenz(a,h)anthracene	278	19.559	19.566	-0.007	62	283914	9.04	
223 Benzo[g,h,i]perylene	276	19.997	20.009	-0.012	96	334560	9.81	
S 226 Methyl Phenols,Total	108				0		20.3	
S 225 Total Cresols	108				0		20.3	

QC Flag Legend

Review Flags
M - Manually Integrated

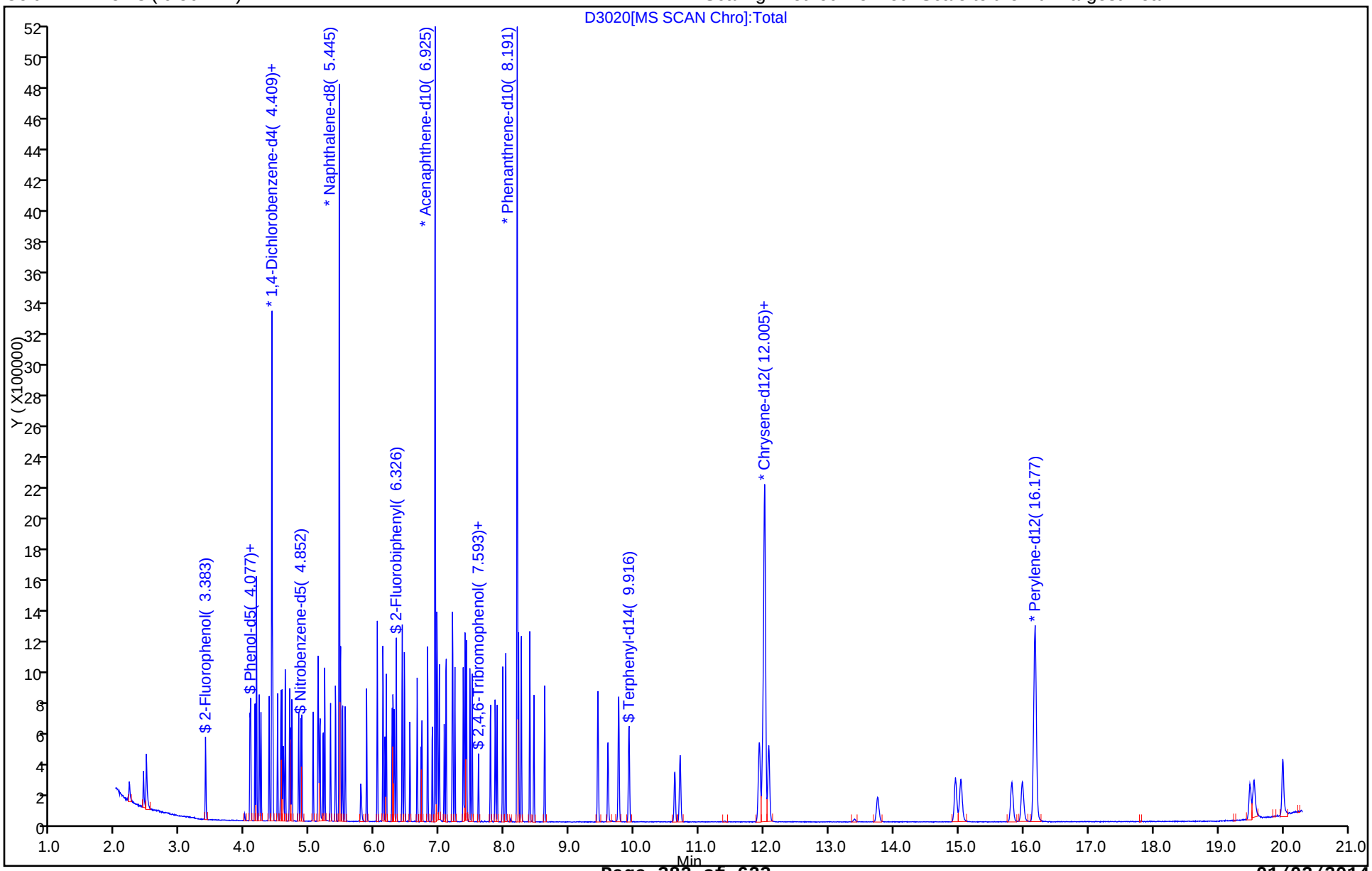
Report Date: 27-Dec-2013 09:31:00 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3020.D

Injection Date:	26-Dec-2013 11:16:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	IC HSLA010	Lab Sample ID:		Worklist Smp#:	8
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

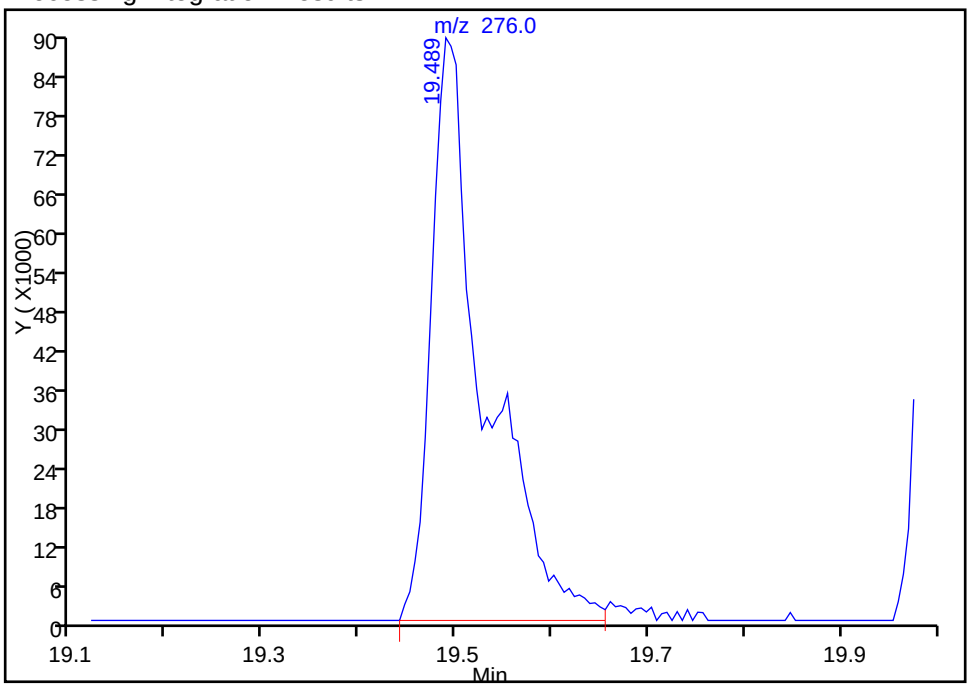
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_D\20131226-18601.b\D3020.D				
Injection Date:	26-Dec-2013 11:16:30	Instrument ID:	SMS_D		
Lims ID:	IC HSLA010	Lab Sample ID:			
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

222 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

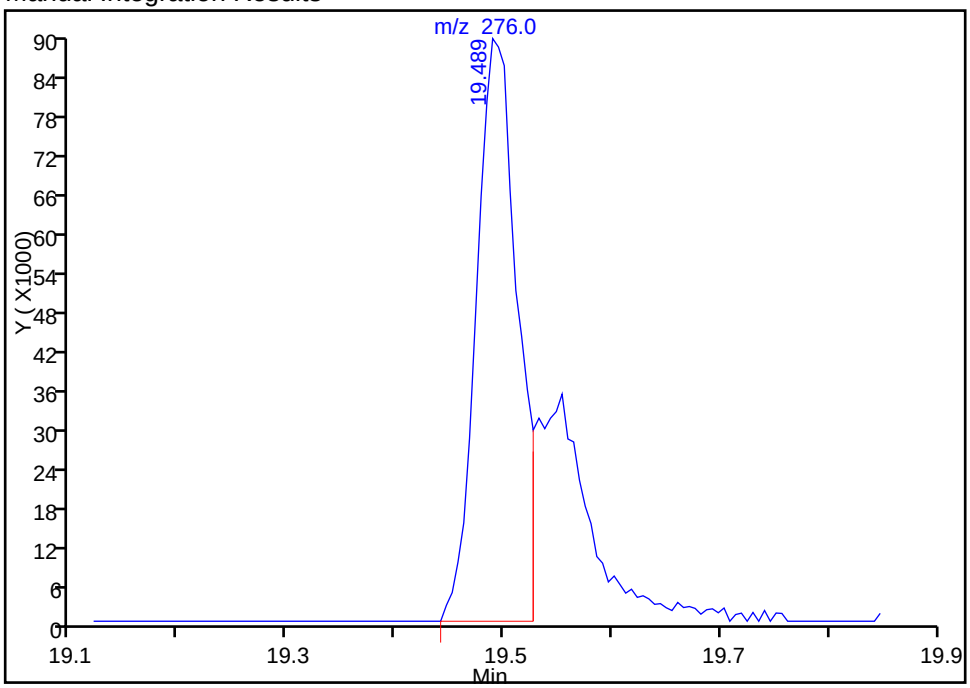
Processing Integration Results

RT: 19.49
Response: 345574
Amount: 10.632616



Manual Integration Results

RT: 19.49
Response: 237709
Amount: 7.973905



Reviewer: hoffmanm, 26-Dec-2013 11:48:15
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D
Lims ID: IC HSLA004 Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 26-Dec-2013 11:44:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: IC HSLA004
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:31:01 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 12:12:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.404	4.405	-0.001	92	414538	40.0	
* 2 Naphthalene-d8	136	5.446	5.447	-0.001	99	1610968	40.0	
* 3 Acenaphthene-d10	164	6.926	6.927	0.0	100	938568	40.0	
* 4 Phenanthrene-d10	188	8.192	8.193	-0.001	99	1607423	40.0	
* 5 Chrysene-d12	240	12.006	12.018	-0.012	73	1680491	40.0	
* 6 Perylene-d12	264	16.173	16.179	-0.006	96	1435140	40.0	
$ 7 2-Fluorophenol	112	3.384	3.385	-0.001	92	52101	3.94	
$ 8 Phenol-d5	99	4.068	4.068	0.0	94	67432	4.02	
$ 9 Nitrobenzene-d5	82	4.853	4.854	-0.001	93	60167	3.93	
$ 11 2-Fluorobiphenyl	172	6.322	6.328	-0.006	75	124231	4.37	
$ 12 2,4,6-Tribromophenol	330	7.593	7.594	-0.001	44	10646	2.97	
$ 13 Terphenyl-d14	244	9.917	9.918	-0.001	88	118363	3.95	
27 1,4-Dioxane	88	2.209	2.209	-0.001	85	27683	4.47	
28 N-Nitrosodimethylamine	74	2.428	2.428	0.0	87	35885	3.97	
29 Pyridine	79	2.470	2.466	0.004	84	62915	4.04	
39 Phenol	94	4.078	4.079	-0.001	79	71669	4.22	
41 Aniline	93	4.148	4.149	-0.001	95	89909	4.16	
42 Alpha Methyl Styrene	118	4.169	4.170	-0.001	96	58449	4.26	
43 Bis(2-chloroethyl)ether	93	4.169	4.170	-0.001	93	57413	4.24	
45 n-Decane	43	4.212	4.213	-0.001	97	49827	4.28	
47 2-Chlorophenol	128	4.239	4.239	-0.001	88	56162	4.05	
48 1,3-Dichlorobenzene	146	4.361	4.362	-0.001	94	62866	4.17	
49 1,4-Dichlorobenzene	146	4.420	4.421	-0.001	94	67276	4.39	
50 Benzyl alcohol	108	4.495	4.496	-0.001	92	35701	3.89	
51 1,2-Dichlorobenzene	146	4.548	4.544	0.004	91	62520	4.27	
53 2-Methylphenol	108	4.559	4.565	-0.006	59	55590	4.18	
54 2,2'-oxybis[1-chloropropane]	45	4.586	4.587	-0.001	86	65196	4.14	
55 Indene	116	4.612	4.613	-0.001	79	96669	4.23	
57 3-Methylphenol	108	4.682	4.683	-0.001	90	53993	3.97	
56 3 & 4 Methylphenol	108	4.682	4.683	-0.001	56	53993	3.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.682	4.683	-0.001	92	53993	3.97	
59 N-Nitrosodi-n-propylamine	70	4.693	4.699	-0.006	85	39208	3.93	
61 Acetophenone	105	4.714	4.715	-0.001	47	80874	4.19	
64 Hexachloroethane	117	4.821	4.816	0.005	90	24594	4.11	
65 Nitrobenzene	77	4.869	4.870	-0.001	94	60461	4.03	
69 Isophorone	82	5.040	5.046	-0.006	96	99830	3.96	
71 2,4-Dimethylphenol	107	5.115	5.116	-0.001	92	53606	3.98	
70 2-Nitrophenol	139	5.125	5.126	-0.001	84	24817	3.61	
74 Benzoic acid	105	5.141	5.196	-0.055	94	56837	8.23	
75 Bis(2-chloroethoxy)methane	93	5.195	5.201	-0.006	73	65115	4.19	
76 3,5-Dimethylphenol	107	5.221	5.222	-0.001	0	56764	4.08	
78 2,4-Dichlorophenol	162	5.312	5.313	-0.001	91	44647	3.99	
82 1,2,4-Trichlorobenzene	180	5.387	5.388	-0.001	88	50846	4.25	
84 Naphthalene	128	5.462	5.463	-0.001	99	169248	4.47	
85 4-Chloroaniline	127	5.494	5.495	-0.001	97	73242	4.23	
88 Hexachlorobutadiene	225	5.537	5.538	-0.001	86	29664	4.19	
93 Caprolactam	55	5.777	5.789	-0.012	72	16967	3.10	
96 4-Chloro-3-methylphenol	107	5.868	5.869	-0.001	89	45424	3.89	
101 2-Methylnaphthalene	142	6.033	6.034	-0.001	96	111606	4.35	
103 1-Methylnaphthalene	142	6.119	6.120	-0.001	93	101449	4.26	
104 Hexachlorocyclopentadiene	237	6.151	6.152	-0.001	76	24321	3.42	
105 1,2,4,5-Tetrachlorobenzene	216	6.172	6.173	-0.001	90	51555	4.36	
107 2,4,6-Trichlorophenol	196	6.263	6.264	-0.001	52	29806	3.73	
108 2,3-Dichlorobenzenamine	161	6.274	6.275	-0.001	61	56853	4.16	
109 2,4,5-Trichlorophenol	196	6.295	6.296	-0.001	80	31813	3.73	
111 1,1'-Biphenyl	154	6.418	6.419	-0.001	92	133950	4.42	
113 2-Chloronaphthalene	162	6.450	6.451	-0.001	95	102349	4.21	
115 2-Nitroaniline	65	6.536	6.537	-0.001	85	26066	3.43	
119 Dimethyl phthalate	163	6.648	6.654	-0.006	94	112065	4.09	
120 1,3-Dinitrobenzene	168	6.707	6.713	-0.006	73	13608	3.03	
121 2,6-Dinitrotoluene	165	6.723	6.723	0.0	83	23588	3.69	
122 Acenaphthylene	152	6.808	6.809	-0.001	98	152499	4.16	
123 3-Nitroaniline	138	6.883	6.884	-0.001	90	27543	3.60	
124 Acenaphthene	153	6.952	6.953	-0.001	97	102570	4.34	
125 2,4-Dinitrophenol	184	6.963	6.964	-0.001	74	15201	8.54	
127 4-Nitrophenol	109	6.990	6.996	-0.006	88	35233	7.32	
130 2,4-Dinitrotoluene	165	7.064	7.071	-0.007	79	29892	3.51	
131 Dibenzofuran	168	7.091	7.097	-0.006	97	150413	4.48	
133 2,3,4,6-Tetrachlorophenol	232	7.187	7.194	-0.007	58	23072	3.51	
134 Hexadecane	57	7.193	7.194	-0.001	93	59729	4.07	
137 Diethyl phthalate	149	7.230	7.231	-0.001	95	120586	4.37	
141 4-Chlorophenyl phenyl ether	204	7.358	7.359	-0.001	89	52631	4.05	
142 Fluorene	166	7.385	7.386	-0.001	97	116076	4.17	
145 4-Nitroaniline	138	7.401	7.413	-0.012	87	27948	3.79	
146 4,6-Dinitro-2-methylphenol	198	7.412	7.418	-0.006	81	26610	5.42	
148 N-Nitrosodiphenylamine	169	7.460	7.466	-0.006	95	86644	4.09	
151 1,2-Diphenylhydrazine	77	7.497	7.498	-0.001	93	124563	4.20	
150 Azobenzene	77	7.497	7.498	-0.001	93	124563	4.15	
155 2,4,6 - Tribromophenol	330	7.593	7.594	-0.001	44	11331	3.15	
163 4-Bromophenyl phenyl ether	248	7.780	7.781	-0.001	80	29220	3.98	
164 Hexachlorobenzene	284	7.850	7.851	-0.001	84	30879	4.16	
166 Atrazine	200	7.882	7.883	-0.001	77	29332	3.98	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.967	7.968	-0.001	90	27991	3.65	
169 Pentachlorophenol	266	8.015	8.016	-0.001	80	30346	6.23	
176 Phenanthrene	178	8.208	8.214	-0.006	98	177641	4.49	
177 Anthracene	178	8.250	8.257	-0.007	98	166141	4.17	
178 Carbazole	167	8.384	8.385	-0.001	98	163214	4.23	
179 Alachlor	188	8.448	8.449	-0.001	72	18768	3.44	
181 Di-n-butyl phthalate	149	8.614	8.615	-0.001	96	169078	3.78	
190 Pyrene	202	9.436	9.437	-0.001	98	161952	3.80	
188 Benzidine	184	9.591	9.592	-0.001	1	78648	2.87	
187 Fluoranthene	202	9.757	9.758	-0.001	92	174023	3.86	
196 Famphur	218	10.622	10.629	-0.007	51	47151	3.04	
197 Butyl benzyl phthalate	149	10.702	10.703	-0.001	78	60250	2.96	
202 Bis(2-ethylhexyl) phthalate	149	11.915	11.916	-0.001	68	54432	4.09	
204 3,3'-Dichlorobenzidine	252	11.937	11.937	0.0	48	42918	2.90	
206 Benzo[a]anthracene	228	11.979	11.986	-0.007	91	168731	3.93	
207 Chrysene	228	12.070	12.076	-0.006	90	162906	4.05	
208 Di-n-octyl phthalate	149	13.748	13.748	0.0	50	66090	5.97	
211 Benzo[b]fluoranthene	252	14.949	14.961	-0.012	78	112424	3.16	
212 Benzo[k]fluoranthene	252	15.040	15.052	-0.012	81	136233	3.52	
214 Benzo[e]pyrene	252	15.820	15.837	-0.017	0	104880	3.34	
215 Benzo[a]pyrene	252	15.986	15.997	-0.011	79	109271	3.07	
222 Indeno[1,2,3-cd]pyrene	276	19.496	19.502	-0.006	38	84814	2.92	M
221 Dibenz(a,h)anthracene	278	19.554	19.566	-0.012	43	94948	3.10	
223 Benzo[g,h,i]perylene	276	19.998	20.009	-0.011	84	121574	3.66	
S 226 Methyl Phenols,Total	108				0		8.16	
S 225 Total Cresols	108				0		8.16	

QC Flag Legend

Review Flags
M - Manually Integrated

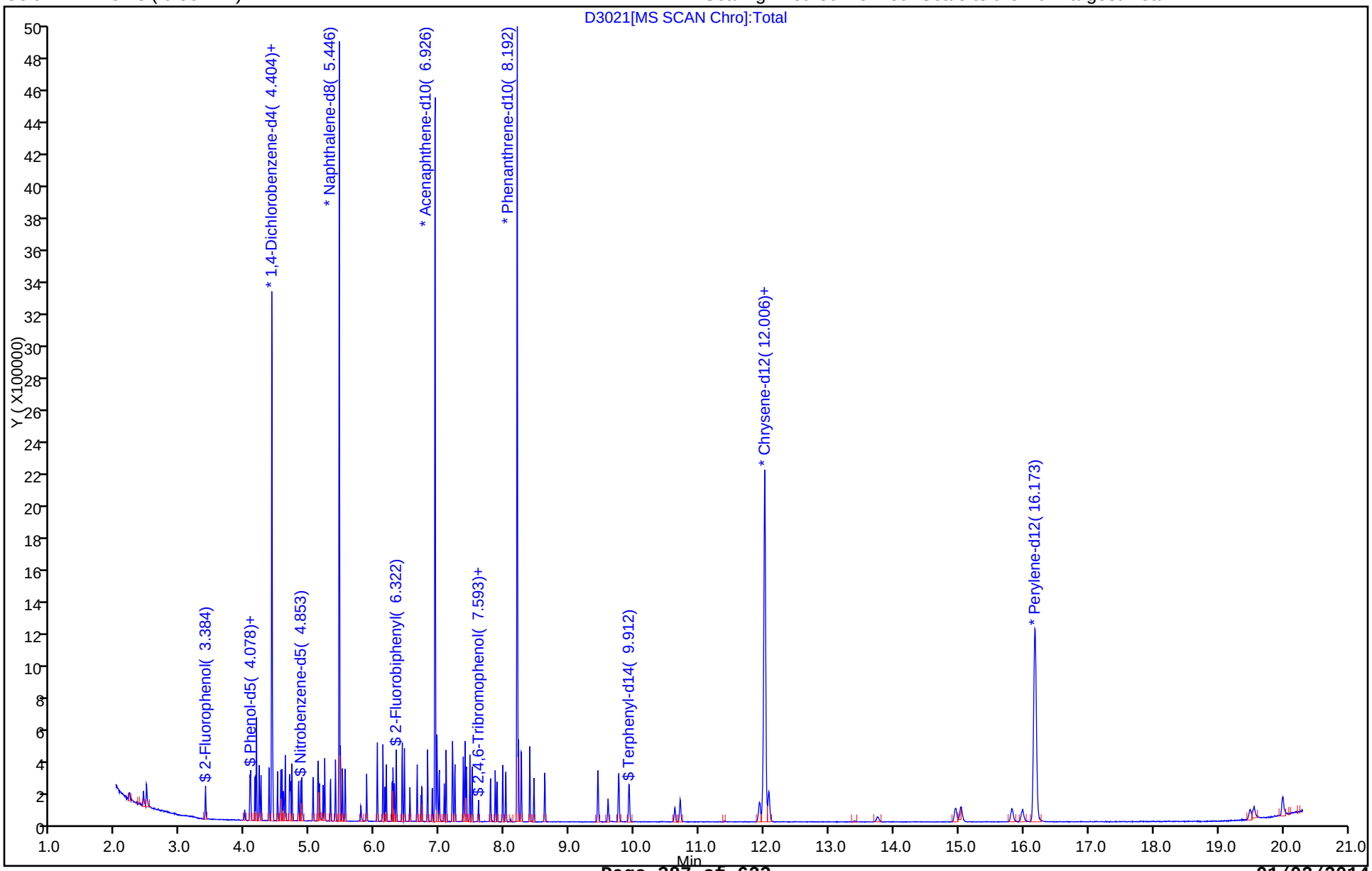
Report Date: 27-Dec-2013 09:31:02 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Injection Date:	26-Dec-2013 11:44:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	IC HSLA004	Lab Sample ID:		Worklist Smp#:	9
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



Manual Integration/User Assign Peak Report

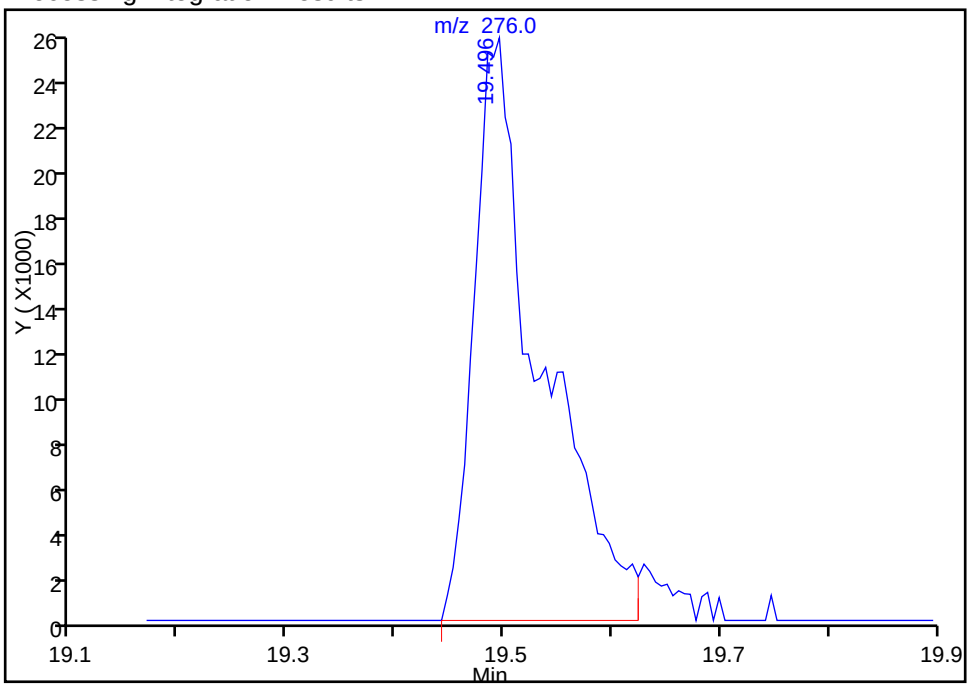
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D				
Injection Date:	26-Dec-2013 11:44:30	Instrument ID:	SMS_D		
Lims ID:	IC HSLA004	Lab Sample ID:			
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		
Column:	VF-5ms (0.50 mm)	Detector	MS SCAN		

222 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

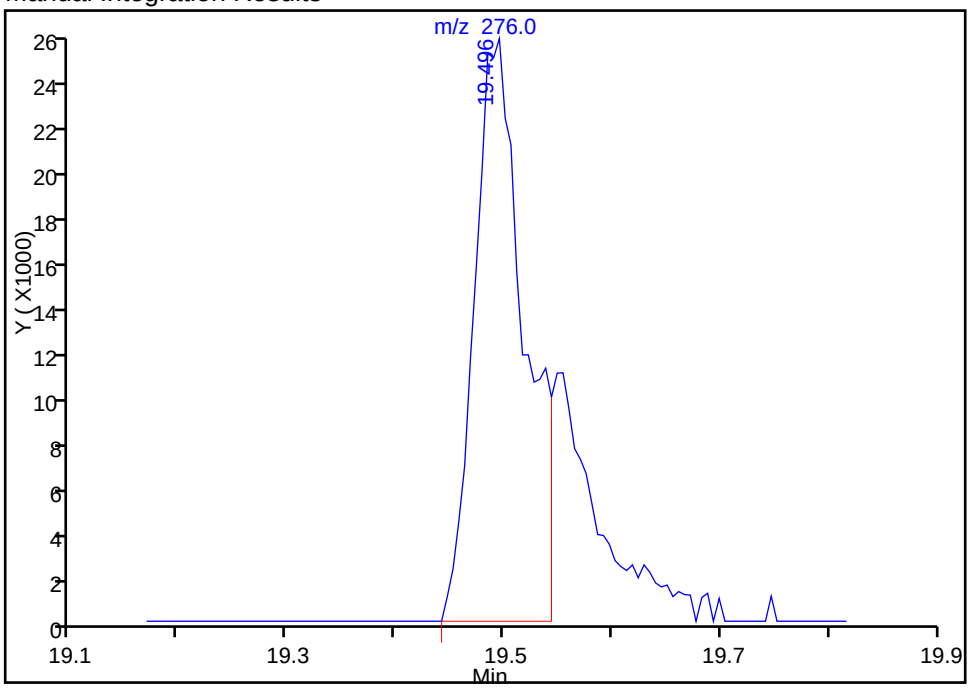
Processing Integration Results

RT: 19.50
Response: 110892
Amount: 3.714006



Manual Integration Results

RT: 19.50
Response: 84814
Amount: 2.920306



Reviewer: hoffmanm, 26-Dec-2013 12:12:34
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: ICV 280-206625/11 Calibration Date: 12/26/2013 12:39

Instrument ID: SMS_D Calib Start Date: 12/26/2013 08:32

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 12/26/2013 11:44

Lab File ID: D3023.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	1.504	1.509		100	100	0.4	20.0
Phenol	Ave	1.638	1.593		97.3	100	-2.7	35.0
2-Chlorophenol	Ave	1.337	1.316		98.4	100	-1.6	35.0
1,4-Dichlorobenzene	Ave	1.479	1.448		97.9	100	-2.1	20.0
2-Methylphenol	Ave	1.282	1.256		97.9	100	-2.1	20.0
3 & 4 Methylphenol	Ave	1.312	1.293		98.5	100	-1.5	20.0
3-Methylphenol	Ave	1.312	1.293		98.5	100	-1.5	35.0
4-Methylphenol	Ave	1.312	1.293		98.5	100	-1.5	35.0
Hexachloroethane	Ave	0.5774	0.5732		99.3	100	-0.7	20.0
Nitrobenzene	Ave	0.3725	0.3602		96.7	100	-3.3	20.0
Benzoic acid	Lin2		0.2777		200	200	-0.2	35.0
1,2,4-Trichlorobenzene	Ave	0.2968	0.2893		97.5	100	-2.5	35.0
Naphthalene	Ave	0.9393	0.9317		99.2	100	-0.8	35.0
Hexachlorobutadiene	Ave	0.1759	0.1742		99.0	100	-1.0	20.0
2,4,6-Trichlorophenol	Ave	0.3406	0.3371		99.0	100	-1.0	20.0
2,4,5-Trichlorophenol	Ave	0.3634	0.3570		98.2	100	-1.8	20.0
Acenaphthene	Ave	1.007	0.9942		98.7	100	-1.3	35.0
2,4-Dinitrotoluene	Ave	0.3633	0.3648		100	100	0.4	20.0
Dibenzofuran	Ave	1.430	1.393		97.4	100	-2.6	35.0
Hexachlorobenzene	Ave	0.1846	0.1798		97.4	100	-2.6	20.0
Pentachlorophenol	Ave	0.1212	0.1282		211	200	5.7	20.0
Anthracene	Ave	0.9914	1.003		101	100	1.1	35.0
Pyrene	Ave	1.016	1.022		101	100	0.6	35.0
Fluoranthene	Ave	1.123	1.121		99.9	100	-0.1	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3023.D
Lims ID: ICV HSLB1B3 Lab Sample ID: ICV 280-206625/11-A
Client ID:
Sample Type: ICV
Inject. Date: 26-Dec-2013 12:39:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: ICV HSLB1B3
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist:

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:31:01 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 13:17:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.406	4.405	0.001	94	350443	40.0	
* 2 Naphthalene-d8	136	5.448	5.447	0.001	100	1382389	40.0	
* 3 Acenaphthene-d10	164	6.927	6.927	0.001	100	817812	40.0	
* 4 Phenanthrene-d10	188	8.193	8.193	0.0	99	1388708	40.0	
* 5 Chrysene-d12	240	12.013	12.018	-0.005	90	1468437	40.0	
* 6 Perylene-d12	264	16.185	16.179	0.006	96	1274393	40.0	
27 1,4-Dioxane	88	2.205	2.209	-0.004	96	528518	101.0	
28 N-Nitrosodimethylamine	74	2.424	2.428	-0.004	96	715389	93.7	
29 Pyridine	79	2.467	2.466	0.001	94	1322041	100.4	
39 Phenol	94	4.080	4.079	0.001	64	1395659	97.3	
41 Aniline	93	4.149	4.149	0.0	99	1765058	96.7	
42 Alpha Methyl Styrene	118	4.171	4.170	0.001	96	1158761	100.0	
43 Bis(2-chloroethyl)ether	93	4.171	4.170	0.001	92	1063062	92.9	
45 n-Decane	43	4.214	4.213	0.001	97	941809	95.7	
47 2-Chlorophenol	128	4.240	4.239	0.001	98	1152910	98.4	
48 1,3-Dichlorobenzene	146	4.363	4.362	0.001	98	1242400	97.6	
49 1,4-Dichlorobenzene	146	4.422	4.421	0.001	99	1268250	97.9	
50 Benzyl alcohol	108	4.497	4.496	0.001	97	773302	99.6	
51 1,2-Dichlorobenzene	146	4.545	4.544	0.001	97	1210145	97.8	
53 2-Methylphenol	108	4.566	4.565	0.001	65	1100022	97.9	
54 2,2'-oxybis[1-chloropropane]	45	4.587	4.587	0.0	90	1113084	83.5	
55 Indene	116	4.614	4.613	0.001	93	1928654	99.9	
57 3-Methylphenol	108	4.684	4.683	0.001	96	1132456	98.5	
56 3 & 4 Methylphenol	108	4.684	4.683	0.001	70	1132456	98.5	
58 4-Methylphenol	108	4.684	4.683	0.001	93	1132456	98.5	
59 N-Nitrosodi-n-propylamine	70	4.694	4.699	-0.005	95	835781	99.0	
61 Acetophenone	105	4.716	4.715	0.001	69	1612623	98.8	
64 Hexachloroethane	117	4.817	4.816	0.001	96	502191	99.3	
65 Nitrobenzene	77	4.871	4.870	0.001	96	1244793	96.7	
69 Isophorone	82	5.047	5.046	0.001	98	2243156	103.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
71 2,4-Dimethylphenol	107	5.116	5.116	0.0	97	1048934	90.9	
70 2-Nitrophenol	139	5.127	5.126	0.001	95	596285	101.0	
74 Benzoic acid	105	5.196	5.196	0.0	66	1919653	199.5	
75 Bis(2-chloroethoxy)methane	93	5.196	5.201	-0.005	95	1238842	92.9	
76 3,5-Dimethylphenol	107	5.223	5.222	0.001	0	1177772	98.6	
78 2,4-Dichlorophenol	162	5.314	5.313	0.001	99	938680	97.9	
82 1,2,4-Trichlorobenzene	180	5.389	5.388	0.001	94	999651	97.5	
84 Naphthalene	128	5.464	5.463	0.001	100	3219744	99.2	
85 4-Chloroaniline	127	5.496	5.495	0.001	100	1413411	95.0	
88 Hexachlorobutadiene	225	5.538	5.538	0.0	97	602178	99.0	
96 4-Chloro-3-methylphenol	107	5.870	5.869	0.001	97	969186	96.8	
101 2-Methylnaphthalene	142	6.035	6.034	0.001	99	2121175	96.5	
103 1-Methylnaphthalene	142	6.121	6.120	0.001	98	1997434	97.7	
104 Hexachlorocyclopentadiene	237	6.153	6.152	0.001	98	689142	111.2	
105 1,2,4,5-Tetrachlorobenzene	216	6.174	6.173	0.001	98	983845	97.0	
107 2,4,6-Trichlorophenol	196	6.265	6.264	0.001	83	689289	99.0	
108 2,3-Dichlorobenzenamine	161	6.276	6.275	0.001	83	1180964	99.1	
109 2,4,5-Trichlorophenol	196	6.292	6.296	-0.004	97	729832	98.2	
111 1,1'-Biphenyl	154	6.420	6.419	0.001	95	2588695	98.1	
113 2-Chloronaphthalene	162	6.452	6.451	0.001	99	2060768	97.4	
115 2-Nitroaniline	65	6.537	6.537	0.0	96	669580	101.2	
119 Dimethyl phthalate	163	6.655	6.654	0.001	99	2307104	96.7	
120 1,3-Dinitrobenzene	168	6.714	6.713	0.001	87	388564	99.3	
121 2,6-Dinitrotoluene	165	6.724	6.723	0.001	92	552813	99.4	
122 Acenaphthylene	152	6.810	6.809	0.001	100	3341304	104.7	
123 3-Nitroaniline	138	6.885	6.884	0.001	97	635928	95.5	
124 Acenaphthene	153	6.954	6.953	0.001	99	2032584	98.7	
125 2,4-Dinitrophenol	184	6.965	6.964	0.001	91	690871	185.8	
127 4-Nitrophenol	109	6.997	6.996	0.001	94	833892	198.9	
130 2,4-Dinitrotoluene	165	7.072	7.071	0.001	96	745848	100.4	
131 Dibenzofuran	168	7.098	7.097	0.001	99	2847515	97.4	
133 2,3,4,6-Tetrachlorophenol	232	7.189	7.194	-0.005	74	574757	100.4	
134 Hexadecane	57	7.194	7.194	0.0	96	1248805	97.6	
137 Diethyl phthalate	149	7.232	7.231	0.001	99	2380050	98.9	
141 4-Chlorophenyl phenyl ether	204	7.360	7.359	0.001	97	1111856	98.3	
142 Fluorene	166	7.387	7.386	0.001	100	2416065	99.6	
145 4-Nitroaniline	138	7.413	7.413	0.0	92	621876	96.8	
146 4,6-Dinitro-2-methylphenol	198	7.419	7.418	0.001	95	935214	220.4	
148 N-Nitrosodiphenylamine	169	7.462	7.466	-0.004	100	1804102	98.6	
151 1,2-Diphenylhydrazine	77	7.499	7.498	0.001	97	2577668	99.7	
150 Azobenzene	77	7.499	7.498	0.001	97	2577668	98.6	
163 4-Bromophenyl phenyl ether	248	7.782	7.781	0.001	97	627919	99.1	
164 Hexachlorobenzene	284	7.852	7.851	0.001	94	624259	97.4	
168 n-Octadecane	85	7.969	7.968	0.001	96	671249	101.2	
169 Pentachlorophenol	266	8.017	8.016	0.001	95	890158	211.5	
176 Phenanthrene	178	8.215	8.214	0.001	100	3360452	98.4	
177 Anthracene	178	8.258	8.257	0.001	100	3481241	101.1	
178 Carbazole	167	8.386	8.385	0.001	100	3264036	97.9	
179 Alachlor	188	8.450	8.449	0.001	98	478155	101.3	
181 Di-n-butyl phthalate	149	8.615	8.615	0.0	100	3978096	102.9	
190 Pyrene	202	9.438	9.437	0.001	99	3751262	100.6	
187 Fluoranthene	202	9.759	9.758	0.001	99	3892736	99.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
197 Butyl benzyl phthalate	149	10.704	10.703	0.001	94	1844699	103.6	
202 Bis(2-ethylhexyl) phthalate	149	11.917	11.916	0.001	99	2412152	98.2	
206 Benzo[a]anthracene	228	11.986	11.986	0.0	100	3703432	98.8	
207 Chrysene	228	12.077	12.076	0.001	100	3639944	103.6	
208 Di-n-octyl phthalate	149	13.755	13.748	0.007	99	4073201	97.0	
211 Benzo[b]fluoranthene	252	14.967	14.961	0.006	99	3279046	103.8	
212 Benzo[k]fluoranthene	252	15.053	15.052	0.001	98	3510090	102.2	
214 Benzo[e]pyrene	252	15.833	15.837	-0.004	0	3221535	115.7	
215 Benzo[a]pyrene	252	15.998	15.997	0.001	99	3309418	104.7	
222 Indeno[1,2,3-cd]pyrene	276	19.503	19.502	0.001	68	2559407	99.2	M
221 Dibenz(a,h)anthracene	278	19.567	19.566	0.001	74	2891095	106.4	
223 Benzo[g,h,i]perylene	276	20.010	20.009	0.001	97	3072458	104.1	

QC Flag Legend

Review Flags
M - Manually Integrated

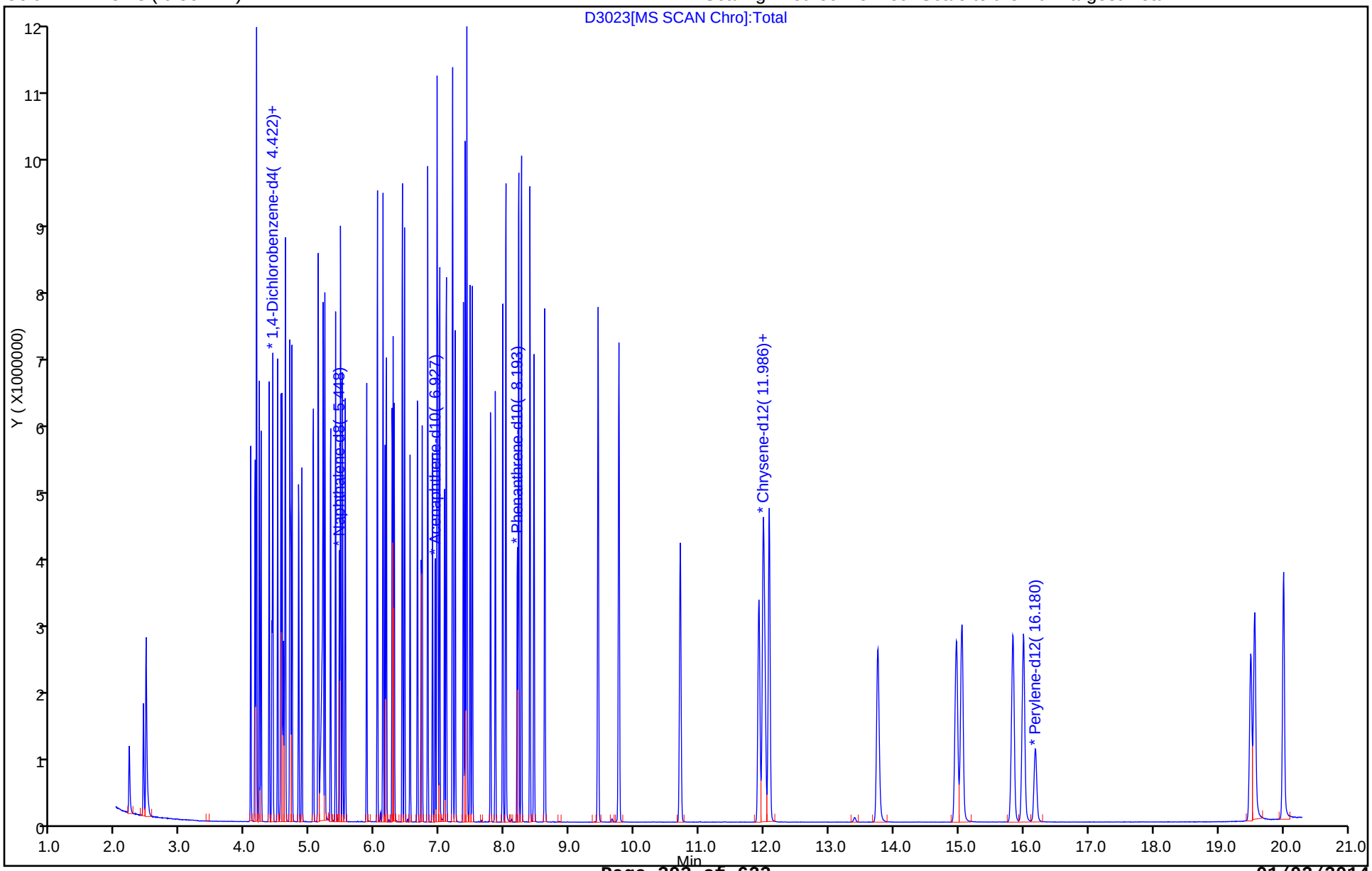
Report Date: 27-Dec-2013 09:31:04 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3023.D

Injection Date:	26-Dec-2013 12:39:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	ICV HSLB1B3	Lab Sample ID:	ICV 280-206625/11-A	Worklist Smp#:	11
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: CCV 280-206732/2 Calibration Date: 12/27/2013 07:50

Instrument ID: SMS_D Calib Start Date: 12/26/2013 08:32

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 12/26/2013 11:44

Lab File ID: D3060.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Pyridine	Ave	1.504	1.586		84.4	80.0	5.5	20.0
Phenol	Ave	1.638	1.751		85.5	80.0	6.9	20.0
2-Chlorophenol	Ave	1.337	1.447		86.6	80.0	8.2	35.0
1,4-Dichlorobenzene	Ave	1.479	1.601		86.6	80.0	8.2	20.0
2-Methylphenol	Ave	1.282	1.382		86.2	80.0	7.8	20.0
3 & 4 Methylphenol	Ave	1.312	1.414		86.2	80.0	7.8	20.0
3-Methylphenol	Ave	1.312	1.414		86.2	80.0	7.8	35.0
4-Methylphenol	Ave	1.312	1.414		86.2	80.0	7.8	35.0
Hexachloroethane	Ave	0.5774	0.6322		87.6	80.0	9.5	20.0
Nitrobenzene	Ave	0.3725	0.3947		84.7	80.0	5.9	20.0
Benzoic acid	Lin2		0.2783		161	160	0.4	35.0
1,2,4-Trichlorobenzene	Ave	0.2968	0.3165		85.3	80.0	6.6	35.0
Naphthalene	Ave	0.9393	1.029		87.6	80.0	9.5	35.0
Hexachlorobutadiene	Ave	0.1759	0.1898		86.3	80.0	7.9	20.0
2,4,6-Trichlorophenol	Ave	0.3406	0.3777		88.7	80.0	10.9	20.0
2,4,5-Trichlorophenol	Ave	0.3634	0.4003		88.1	80.0	10.2	20.0
Acenaphthene	Ave	1.007	1.092		86.7	80.0	8.4	20.0
2,4-Dinitrotoluene	Ave	0.3633	0.3966		87.3	80.0	9.2	20.0
Dibenzofuran	Ave	1.430	1.547		86.6	80.0	8.2	35.0
Hexachlorobenzene	Ave	0.1846	0.2016		87.3	80.0	9.2	20.0
Pentachlorophenol	Ave	0.1212	0.1433		189	160	18.2	20.0
Anthracene	Ave	0.9914	1.120		90.4	80.0	13.0	35.0
Pyrene	Ave	1.016	1.140		89.8	80.0	12.3	35.0
Fluoranthene	Ave	1.123	1.239		88.3	80.0	10.4	20.0
2-Fluorophenol	Ave	1.277	1.390		87.0	80.0	8.8	20.0
Phenol-d5	Ave	1.617	1.726		85.4	80.0	6.7	20.0
Nitrobenzene-d5	Ave	0.3804	0.4070		85.6	80.0	7.0	20.0
2-Fluorobiphenyl	Ave	1.211	1.335		88.2	80.0	10.3	20.0
2,4,6-Tribromophenol	Ave	0.1525	0.1688		88.5	80.0	10.7	20.0
Terphenyl-d14	Ave	0.7127	0.7978		89.6	80.0	11.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3060.D
Lims ID: CCV HSLA080 Lab Sample ID:
Client ID:
Sample Type: CCV
Inject. Date: 27-Dec-2013 07:50:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: CCV HSLA080
Operator ID: hoffmanm Instrument ID: SMS_D
Sublist: chrom-SMSD_8270C*sub16

Method: \\Denchrom\ChromData\SMS_D\20131227-18621.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 30-Dec-2013 11:12:57 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK034

First Level Reviewer: hoffmanm Date: 27-Dec-2013 08:16:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.403	4.403	0.0	94	331938	40.0	
* 2 Naphthalene-d8	136	5.444	5.444	0.0	100	1310621	40.0	
* 3 Acenaphthene-d10	164	6.919	6.919	0.0	100	765562	40.0	
* 4 Phenanthrene-d10	188	8.185	8.185	0.0	99	1282227	40.0	
* 5 Chrysene-d12	240	11.999	11.999	0.0	91	1332568	40.0	
* 6 Perylene-d12	264	16.161	16.161	0.0	96	1144143	40.0	
$ 7 2-Fluorophenol	112	3.382	3.382	0.0	99	922766	87.0	
$ 8 Phenol-d5	99	4.066	4.066	0.0	99	1145747	85.4	
$ 9 Nitrobenzene-d5	82	4.851	4.851	0.0	96	1066733	85.6	
$ 11 2-Fluorobiphenyl	172	6.320	6.320	0.0	95	2044046	88.2	
$ 12 2,4,6-Tribromophenol	330	7.592	7.592	0.0	96	258433	88.5	
$ 13 Terphenyl-d14	244	9.905	9.905	0.0	99	2126228	89.6	
27 1,4-Dioxane	88	2.207	2.207	0.0	96	433811	87.5	
28 N-Nitrosodimethylamine	74	2.426	2.426	0.0	96	606871	83.9	
29 Pyridine	79	2.469	2.469	0.0	96	1052903	84.4	
39 Phenol	94	4.077	4.077	0.0	95	1162428	85.5	
41 Aniline	93	4.146	4.146	0.0	99	1505383	87.0	
43 Bis(2-chloroethyl)ether	93	4.167	4.167	0.0	94	905575	83.6	
42 Alpha Methyl Styrene	118	4.167	4.167	0.0	97	954951	87.0	
45 n-Decane	43	4.210	4.210	0.0	98	793853	85.2	
47 2-Chlorophenol	128	4.237	4.237	0.0	98	960350	86.6	
48 1,3-Dichlorobenzene	146	4.360	4.360	0.0	98	1046033	86.7	
49 1,4-Dichlorobenzene	146	4.419	4.419	0.0	99	1062966	86.6	
50 Benzyl alcohol	108	4.493	4.493	0.0	97	634071	86.3	
51 1,2-Dichlorobenzene	146	4.541	4.541	0.0	97	1019914	87.1	
53 2-Methylphenol	108	4.557	4.557	0.0	66	917520	86.2	
54 2,2'-oxybis[1-chloropropane]	45	4.579	4.579	0.0	90	1062211	84.2	
55 Indene	116	4.611	4.611	0.0	99	1575053	86.1	
57 3-Methylphenol	108	4.680	4.680	0.0	96	938781	86.2	
56 3 & 4 Methylphenol	108	4.680	4.680	0.0	71	938781	86.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
58 4-Methylphenol	108	4.680	4.680	0.0	92	938781	86.2	
59 N-Nitrosodi-n-propylamine	70	4.691	4.691	0.0	94	679938	85.1	
61 Acetophenone	105	4.712	4.712	0.0	65	1340960	86.7	
64 Hexachloroethane	117	4.814	4.814	0.0	96	419687	87.6	
65 Nitrobenzene	77	4.862	4.862	0.0	96	1034492	84.7	
69 Isophorone	82	5.038	5.038	0.0	98	1760190	85.9	
71 2,4-Dimethylphenol	107	5.113	5.113	0.0	97	958534	87.6	
70 2-Nitrophenol	139	5.124	5.124	0.0	96	496034	88.6	
74 Benzoic acid	105	5.188	5.188	0.0	94	1458905	160.6	
75 Bis(2-chloroethoxy)methane	93	5.193	5.193	0.0	97	1077650	85.2	
76 3,5-Dimethylphenol	107	5.220	5.220	0.0	0	987259	87.2	
78 2,4-Dichlorophenol	162	5.305	5.305	0.0	99	789363	86.8	
82 1,2,4-Trichlorobenzene	180	5.385	5.385	0.0	95	829675	85.3	
84 Naphthalene	128	5.460	5.460	0.0	100	2696240	87.6	
85 4-Chloroaniline	127	5.492	5.492	0.0	99	1212922	86.0	
88 Hexachlorobutadiene	225	5.535	5.535	0.0	98	497463	86.3	
93 Caprolactam	55	5.786	5.786	0.0	93	384957	86.6	M
96 4-Chloro-3-methylphenol	107	5.866	5.866	0.0	96	829206	87.4	
101 2-Methylnaphthalene	142	6.027	6.027	0.0	99	1821630	87.4	
103 1-Methylnaphthalene	142	6.117	6.117	0.0	98	1705877	88.0	
104 Hexachlorocyclopentadiene	237	6.149	6.149	0.0	99	517994	89.3	
105 1,2,4,5-Tetrachlorobenzene	216	6.165	6.165	0.0	99	824292	85.7	
107 2,4,6-Trichlorophenol	196	6.256	6.256	0.0	81	578283	88.7	
108 2,3-Dichlorobenzenamine	161	6.272	6.272	0.0	80	960910	86.1	
109 2,4,5-Trichlorophenol	196	6.288	6.288	0.0	96	612834	88.1	
111 1,1'-Biphenyl	154	6.411	6.411	0.0	95	2142396	86.7	
113 2-Chloronaphthalene	162	6.449	6.449	0.0	99	1729076	87.3	
115 2-Nitroaniline	65	6.534	6.534	0.0	96	541113	87.3	
119 Dimethyl phthalate	163	6.646	6.646	0.0	98	1937750	86.7	
120 1,3-Dinitrobenzene	168	6.705	6.705	0.0	87	329840	90.0	
121 2,6-Dinitrotoluene	165	6.721	6.721	0.0	96	456110	87.6	
122 Acenaphthylene	152	6.806	6.806	0.0	100	2640425	88.4	
123 3-Nitroaniline	138	6.881	6.881	0.0	97	544388	87.3	
124 Acenaphthene	153	6.945	6.945	0.0	99	1672121	86.7	
125 2,4-Dinitrophenol	184	6.961	6.961	0.0	94	580319	167.3	
127 4-Nitrophenol	109	6.993	6.993	0.0	94	701632	178.7	
130 2,4-Dinitrotoluene	165	7.063	7.063	0.0	93	607163	87.3	
131 Dibenzofuran	168	7.090	7.090	0.0	99	2368352	86.6	
133 2,3,4,6-Tetrachlorophenol	232	7.186	7.186	0.0	75	472625	88.2	
134 Hexadecane	57	7.191	7.191	0.0	96	1036974	86.6	
137 Diethyl phthalate	149	7.228	7.228	0.0	100	1940928	86.2	
141 4-Chlorophenyl phenyl ether	204	7.357	7.357	0.0	97	914588	86.4	
142 Fluorene	166	7.383	7.383	0.0	100	1959057	86.3	
145 4-Nitroaniline	138	7.405	7.405	0.0	86	509696	84.7	
146 4,6-Dinitro-2-methylphenol	198	7.410	7.410	0.0	87	744911	190.1	
148 N-Nitrosodiphenylamine	169	7.458	7.458	0.0	100	1478118	87.5	
150 Azobenzene	77	7.490	7.490	0.0	96	2135709	87.3	
151 1,2-Diphenylhydrazine	77	7.490	7.490	0.0	96	2135709	88.2	
155 2,4,6 - Tribromophenol	330	7.592	7.592	0.0	96	258897	88.1	
163 4-Bromophenyl phenyl ether	248	7.773	7.773	0.0	93	515147	88.0	
164 Hexachlorobenzene	284	7.848	7.848	0.0	95	516855	87.3	
166 Atrazine	200	7.880	7.880	0.0	97	515105	87.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
168 n-Octadecane	85	7.960	7.960	0.0	97	546260	89.2	
169 Pentachlorophenol	266	8.008	8.008	0.0	93	735111	189.1	
176 Phenanthrene	178	8.206	8.206	0.0	100	2780995	88.2	
177 Anthracene	178	8.249	8.249	0.0	100	2873351	90.4	
178 Carbazole	167	8.382	8.382	0.0	100	2750773	89.4	
179 Alachlor	188	8.446	8.446	0.0	97	387530	88.9	
181 Di-n-butyl phthalate	149	8.612	8.612	0.0	100	3293178	92.3	
190 Pyrene	202	9.429	9.429	0.0	99	3038915	89.8	
188 Benzidine	184	9.584	9.584	0.0	56	1942299	89.3	
187 Fluoranthene	202	9.750	9.750	0.0	100	3177265	88.3	
196 Famphur	218	10.615	10.615	0.0	98	1148428	93.5	
197 Butyl benzyl phthalate	149	10.696	10.696	0.0	94	1485931	92.0	
202 Bis(2-ethylhexyl) phthalate	149	11.903	11.903	0.0	99	1912857	86.1	
204 3,3'-Dichlorobenzidine	252	11.924	11.924	0.0	97	1090265	92.8	
206 Benzo[a]anthracene	228	11.972	11.972	0.0	100	3007673	88.4	
207 Chrysene	228	12.063	12.063	0.0	100	2804066	87.9	
208 Di-n-octyl phthalate	149	13.735	13.735	0.0	99	3064833	81.2	
211 Benzo[b]fluoranthene	252	14.943	14.943	0.0	99	2625807	92.6	
212 Benzo[k]fluoranthene	252	15.028	15.028	0.0	99	2825730	91.7	
214 Benzo[e]pyrene	252	15.813	15.813	0.0	0	2295647	91.8	
215 Benzo[a]pyrene	252	15.979	15.979	0.0	99	2633314	92.8	
222 Indeno[1,2,3-cd]pyrene	276	19.483	19.483	0.0	60	2138438	92.4	
221 Dibenz(a,h)anthracene	278	19.542	19.542	0.0	74	2235479	91.6	
223 Benzo[g,h,i]perylene	276	19.996	19.996	0.0	99	2381648	89.9	
S 225 Total Cresols	108				0		172.5	
S 226 Methyl Phenols,Total	108				0		172.5	

QC Flag Legend

Review Flags
M - Manually Integrated

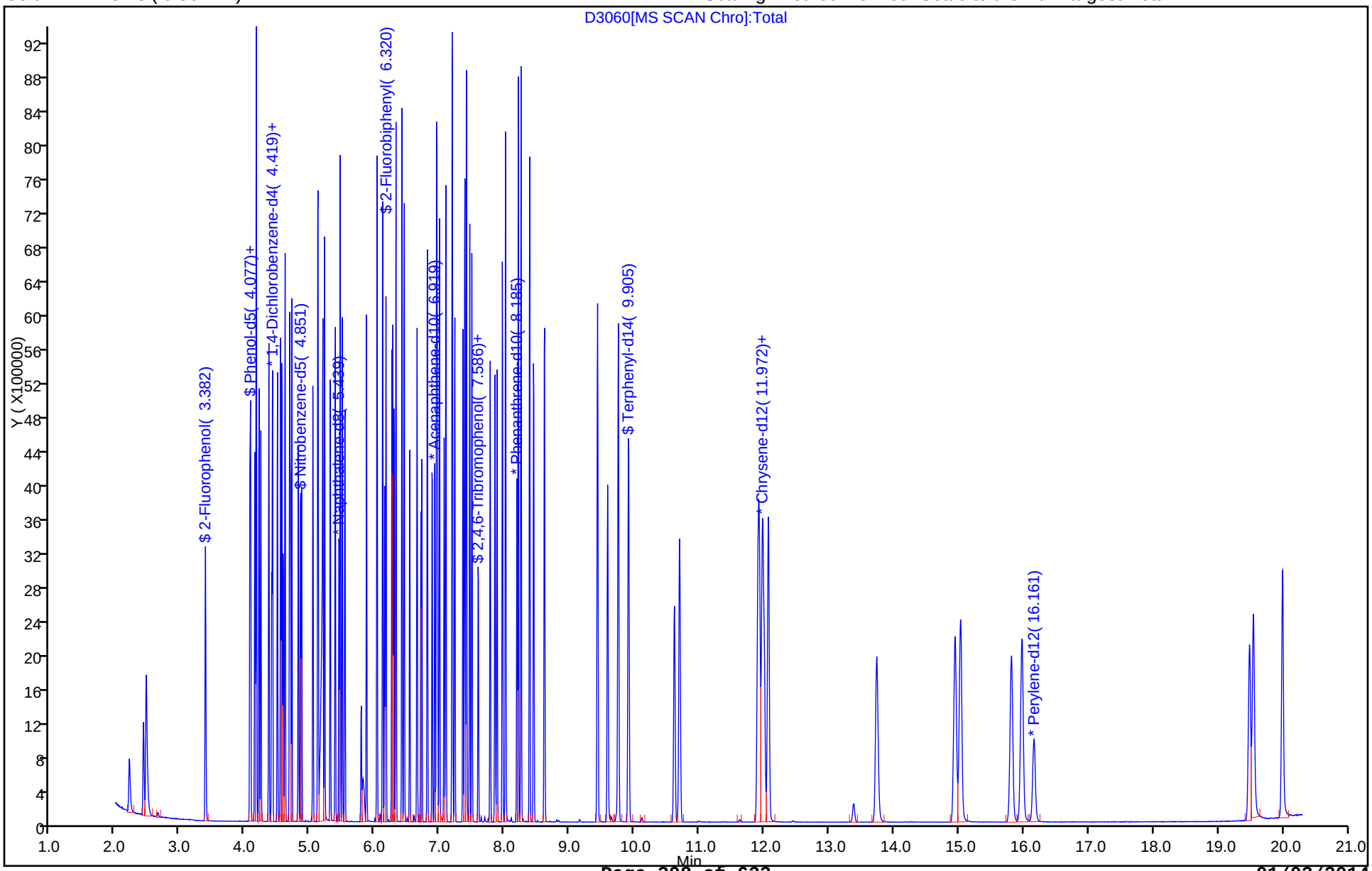
Report Date: 30-Dec-2013 11:12:58 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3060.D

Injection Date:	27-Dec-2013 07:50:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	CCV HSLA080	Lab Sample ID:		Worklist Smp#:	2
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Sample Type: DFTPP
Inject. Date: 26-Dec-2013 08:17:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: hoffmanm Instrument ID: SMS_D

Method: \\Denchrom\ChromData\SMS_D\20131226-18601.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 27-Dec-2013 09:30:49 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK029

First Level Reviewer: hoffmanm Date: 26-Dec-2013 08:26:40

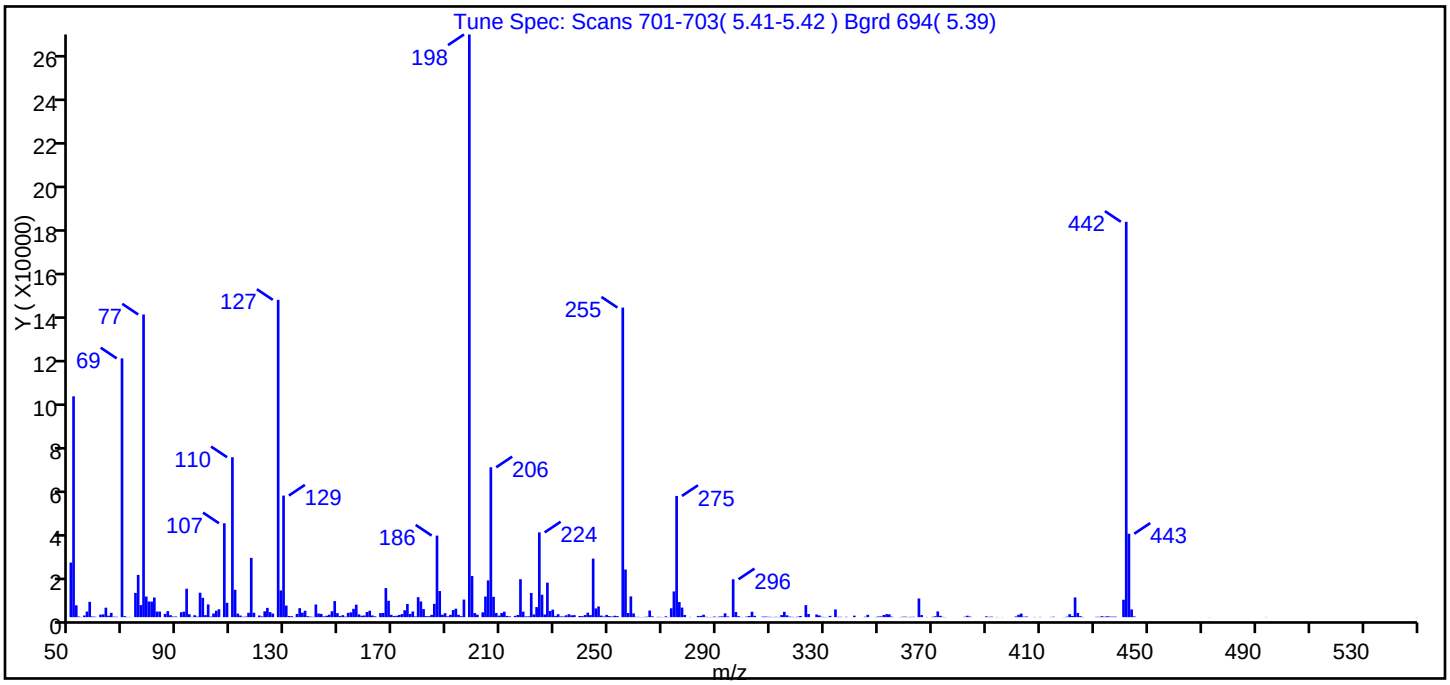
Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
37 Pentachlorophenol_T	266	5.124	5.124	0.0	74	188185	0	
68 Benzidine_T	184	6.337	6.337	0.0	96	1345041	0	
46 DFTPP								
81 4,4'-DDD	235	6.758	6.758	0.0	54	6836	0	
89 4,4'-DDE	246		6.765					
90 4,4'-DDT	235	6.964	6.964	0.0	93	541315	0	

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D
Injection Date: 26-Dec-2013 08:17:30 Instrument ID: SMS_D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625
Tune Method: DFTPP Method 8270

46 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	37.90
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	44.40
70	Less than 2.00% of mass 69	0.20 (0.40)
127	40.00 - 60.00% of mass 198	54.50
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.10
275	10.00 - 30.00% of mass 198	20.80
365	Greater than 1.00% of mass 198	3.20
441	Present, but less than mass 443%	3.00 (20.90)
442	Greater than 40.00% of mass 198	67.80
443	17.00 - 23.00% of mass 442	14.30 (21.10)

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D\SMSD_8270C.rslt\spectra.d
Injection Date: 26-Dec-2013 08:17:30
Spectrum: Tune Spec: Scans 701-703(5.41-5.42) Bgrd 694(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 329

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	24840	141.00	5753	228.00	2797	320.00	216
51.00	100488	142.00	1652	229.00	3412	321.00	519
52.00	5392	143.00	1482	230.00	580	323.00	5461
53.00	274	144.00	353	231.00	1346	324.00	1423
54.00	57	145.00	646	232.00	341	327.00	1196
55.00	737	146.00	1102	233.00	327	328.00	783
56.00	2553	147.00	2686	234.00	830	329.00	183
57.00	6968	148.00	7309	235.00	1325	330.00	88
58.00	304	149.00	1822	236.00	831	331.00	69
59.00	200	150.00	505	237.00	911	332.00	566
61.00	1130	151.00	901	239.00	535	334.00	3504
62.00	1257	152.00	266	240.00	456	335.00	154
63.00	4303	153.00	1976	241.00	945	336.00	151
64.00	636	154.00	2156	242.00	2023	338.00	166
65.00	1961	155.00	3796	243.00	936	341.00	671
66.00	216	156.00	5666	244.00	26632	345.00	198
67.00	194	157.00	1248	245.00	3963	346.00	1061
69.00	117760	158.00	648	246.00	4855	349.00	110
70.00	469	159.00	755	247.00	710	350.00	306
71.00	102	160.00	2319	248.00	313	351.00	335
72.00	95	161.00	2905	249.00	1017	352.00	1001
74.00	11033	162.00	756	250.00	483	353.00	1376
75.00	19232	163.00	378	251.00	297	354.00	1275
76.00	5490	165.00	1849	252.00	640	355.00	219
77.00	137728	166.00	1886	253.00	475	358.00	83
78.00	9375	167.00	13234	255.00	140864	359.00	193
79.00	7117	168.00	7447	256.00	21672	360.00	226
80.00	7079	169.00	1050	257.00	1863	361.00	93
81.00	8932	170.00	530	258.00	9446	362.00	147
82.00	2529	171.00	624	259.00	1702	363.00	161
83.00	2537	172.00	1008	260.00	160	365.00	8491
85.00	1497	173.00	1399	261.00	118	366.00	939
86.00	2732	174.00	3120	262.00	60	368.00	79

Report Date: 27-Dec-2013 09:30:50 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D\SMSD_8270C.rslt\spectra.d
Injection Date: 26-Dec-2013 08:17:30
Spectrum: Tune Spec: Scans 701-703(5.41-5.42) Bgrd 694(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 329

m/z	Y	m/z	Y	m/z	Y	m/z	Y
87.00	894	175.00	5993	263.00	119	370.00	159
88.00	265	176.00	1447	264.00	211	371.00	405
89.00	298	177.00	2587	265.00	3014	372.00	2600
91.00	2237	178.00	316	266.00	362	373.00	614
92.00	2502	179.00	9088	267.00	7	374.00	128
93.00	12925	180.00	7147	268.00	141	375.00	54
94.00	1304	181.00	3659	269.00	108	382.00	179
95.00	124	182.00	460	270.00	59	383.00	639
96.00	869	183.00	438	271.00	376	384.00	263
97.00	253	184.00	1042	272.00	72	390.00	374
98.00	11101	185.00	6041	273.00	4032	391.00	147
99.00	8782	186.00	37112	274.00	11696	392.00	227
100.00	927	187.00	11872	275.00	55152	394.00	88
101.00	5767	188.00	1106	276.00	6857	396.00	56
102.00	268	189.00	1802	277.00	4342	401.00	303
103.00	1653	190.00	383	278.00	988	402.00	1065
104.00	2904	191.00	1054	280.00	101	403.00	1624
105.00	3581	192.00	3221	283.00	554	404.00	207
107.00	42720	193.00	3856	284.00	552	405.00	284
108.00	6529	194.00	1044	285.00	1100	408.00	91
110.00	72776	195.00	438	286.00	167	410.00	117
111.00	12451	196.00	8003	287.00	79	414.00	95
112.00	1604	198.00	265152	288.00	78	415.00	195
113.00	737	199.00	18704	289.00	273	419.00	72
114.00	162	200.00	1861	290.00	82	420.00	234
115.00	264	201.00	1131	291.00	298	421.00	1327
116.00	2006	203.00	2199	292.00	358	422.00	557
117.00	26960	204.00	9374	293.00	1751	423.00	8969
118.00	1999	205.00	16728	294.00	325	424.00	1903
119.00	55	206.00	68192	296.00	17240	425.00	441
120.00	749	207.00	9237	297.00	2362	426.00	107
121.00	326	208.00	1884	298.00	453	431.00	164
122.00	2653	209.00	702	299.00	90	432.00	161
123.00	4225	210.00	1861	301.00	253	433.00	449

Report Date: 27-Dec-2013 09:30:50 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D\SMSD_8270C.rslt\spectra.d
Injection Date: 26-Dec-2013 08:17:30
Spectrum: Tune Spec: Scans 701-703(5.41-5.42) Bgrd 694(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 329

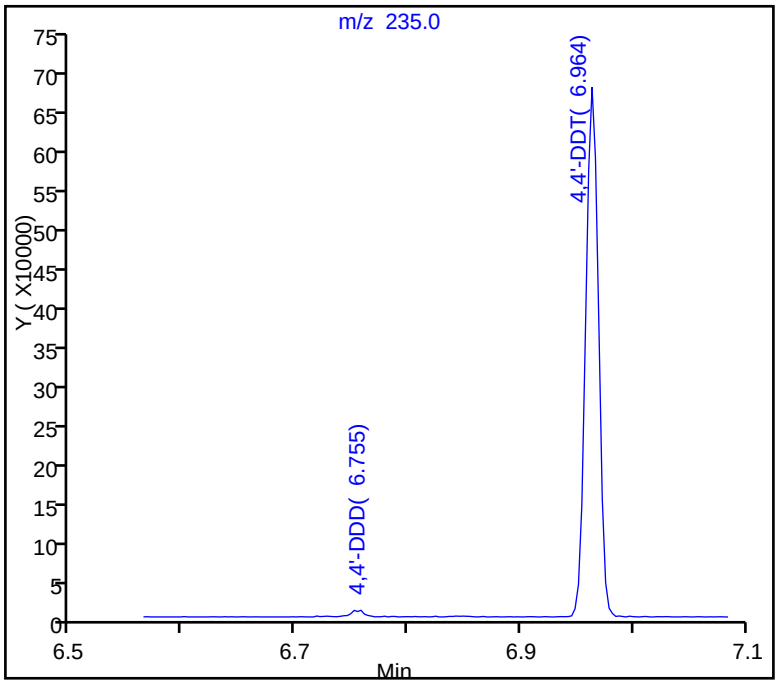
m/z	Y	m/z	Y	m/z	Y	m/z	Y
124.00	2290	211.00	2484	302.00	510	434.00	206
125.00	1625	212.00	563	303.00	2464	435.00	433
127.00	144384	213.00	347	304.00	606	436.00	251
128.00	12153	215.00	569	307.00	232	437.00	227
129.00	55328	216.00	996	308.00	276	438.00	228
130.00	5260	217.00	17272	309.00	171	441.00	7917
131.00	530	218.00	2490	310.00	123	442.00	179904
132.00	455	219.00	327	311.00	88	443.00	37952
133.00	70	220.00	361	312.00	148	444.00	3511
134.00	1461	221.00	11005	313.00	88	445.00	319
135.00	4085	222.00	1235	314.00	933	473.00	52
136.00	2026	223.00	4581	315.00	2420	494.00	81
137.00	2898	224.00	38560	316.00	840	550.00	67
138.00	443	225.00	10193	317.00	225		
139.00	241	226.00	1187	318.00	136		
140.00	131	227.00	15688	319.00	71		

Breakdown Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D
Injection Date: 26-Dec-2013 08:17:30 Instrument ID: SMS_D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625

90 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

90 4,4'-DDT, Area = 541315
81 4,4'-DDD, Area = 6836
89 4,4'-DDE, Area = 0

%Breakdown: 1.25%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Denver

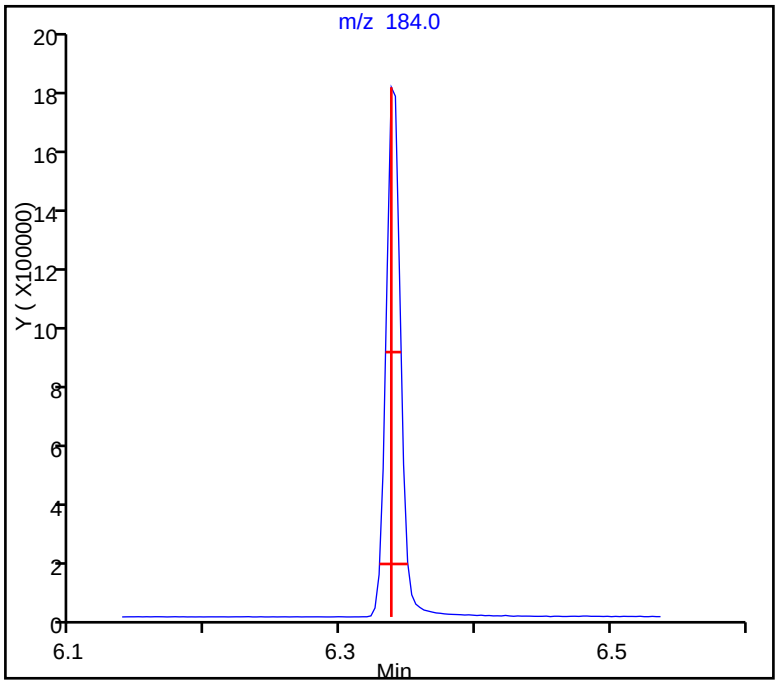
Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D
Injection Date: 26-Dec-2013 08:17:30 Instrument ID: SMS_D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625

68 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.4, Max. Tailing < 3.00
Passed



Peak Tailing Report

TestAmerica Denver

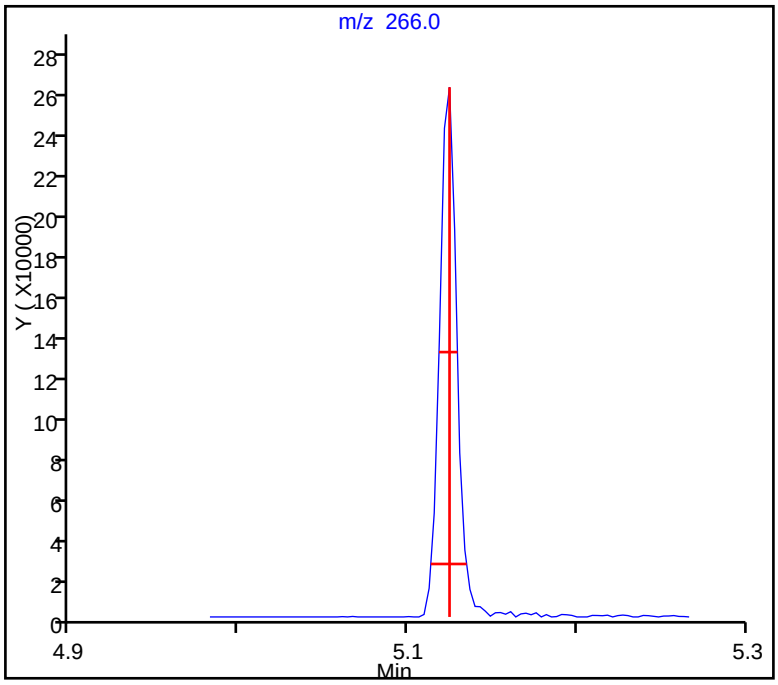
Data File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3013.D
Injection Date: 26-Dec-2013 08:17:30 Instrument ID: SMS_D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625

37 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 0.9, Max. Tailing < 5.00
Passed



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Sample Type: DFTPP
Inject. Date: 27-Dec-2013 07:35:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: hoffmanm Instrument ID: SMS_D

Method: \\Denchrom\ChromData\SMS_D\20131227-18621.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 30-Dec-2013 11:12:55 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK034

First Level Reviewer: hoffmanm Date: 27-Dec-2013 07:48:46

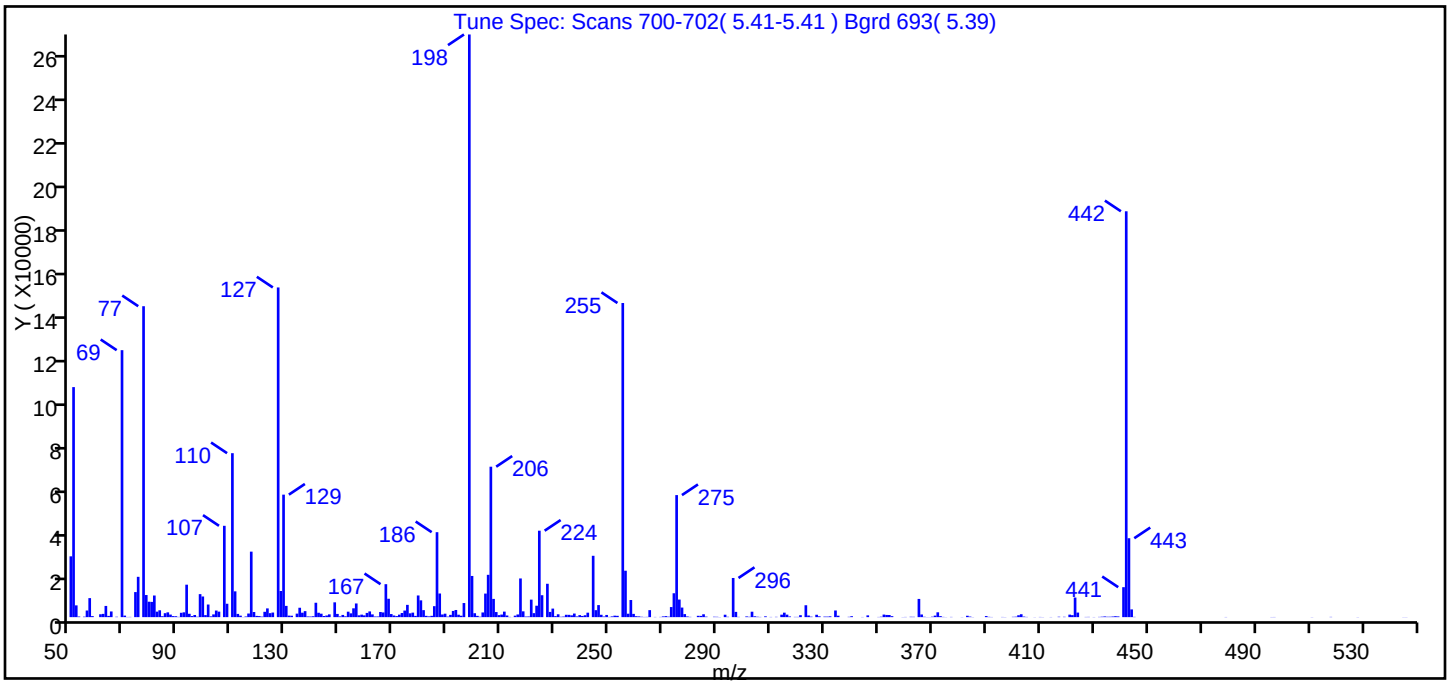
Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
37 Pentachlorophenol_T	266	5.121	5.121	0.0	73	177265	0	
68 Benzidine_T	184	6.337	6.337	0.0	96	1246607	0	
46 DFTPP								
89 4,4'-DDE	246		6.632					
81 4,4'-DDD	235	6.752	6.752	0.0	57	4487	0	
90 4,4'-DDT	235	6.960	6.960	0.0	95	547085	0	

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D
Injection Date: 27-Dec-2013 07:35:30 Instrument ID: SMS_D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625
Tune Method: DFTPP Method 8270

46 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.50
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	45.80
70	Less than 2.00% of mass 69	0.30 (0.60)
127	40.00 - 60.00% of mass 198	56.60
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	7.10
275	10.00 - 30.00% of mass 198	20.90
365	Greater than 1.00% of mass 198	3.10
441	Present, but less than mass 443%	5.10 (38.00)
442	Greater than 40.00% of mass 198	69.70
443	17.00 - 23.00% of mass 442	13.50 (19.40)

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D\SMSD_8270C.rslt\spectra.d
Injection Date: 27-Dec-2013 07:35:30
Spectrum: Tune Spec: Scans 700-702(5.41-5.41) Bgrd 693(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	28000	143.00	1588	228.00	2408	328.00	381
51.00	105920	144.00	525	229.00	3938	330.00	246
52.00	5422	145.00	756	230.00	467	331.00	243
53.00	281	146.00	1279	231.00	1312	332.00	366
55.00	216	148.00	6820	232.00	179	334.00	3062
56.00	3054	149.00	1489	233.00	270	335.00	667
57.00	8760	150.00	339	234.00	1089	339.00	147
58.00	483	151.00	1020	235.00	1060	340.00	426
61.00	1328	152.00	377	236.00	824	344.00	78
62.00	1501	153.00	2512	237.00	1655	346.00	815
63.00	5160	154.00	1754	238.00	326	350.00	93
64.00	571	155.00	4065	239.00	927	351.00	193
65.00	2619	156.00	6301	240.00	545	352.00	1189
67.00	179	157.00	843	241.00	862	353.00	1013
69.00	122928	158.00	1152	242.00	2056	354.00	987
70.00	705	159.00	818	244.00	28248	355.00	448
71.00	89	160.00	1942	245.00	3213	359.00	60
72.00	107	161.00	2638	246.00	5549	360.00	94
74.00	11539	162.00	1268	247.00	1085	362.00	173
75.00	18568	163.00	279	248.00	278	363.00	152
77.00	143168	164.00	295	249.00	1010	365.00	8387
78.00	10181	165.00	2360	250.00	117	366.00	1226
79.00	7100	166.00	2164	251.00	340	367.00	168
80.00	7019	167.00	15175	252.00	678	368.00	60
81.00	9959	168.00	8468	253.00	610	369.00	51
82.00	2527	169.00	1420	255.00	144640	370.00	211
83.00	3154	170.00	754	256.00	21376	371.00	700
84.00	425	171.00	488	257.00	1581	372.00	2225
85.00	1814	172.00	1151	258.00	7886	373.00	474
86.00	2202	173.00	1903	259.00	1505	374.00	113
87.00	1181	174.00	3027	260.00	428	375.00	52
88.00	475	175.00	5654	261.00	344	377.00	104
89.00	422	176.00	1758	262.00	171	381.00	57

Report Date: 30-Dec-2013 11:12:56 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D\SMSD_8270C.rslt\spectra.d
Injection Date: 27-Dec-2013 07:35:30
Spectrum: Tune Spec: Scans 700-702(5.41-5.41) Bgrd 693(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 327

m/z	Y	m/z	Y	m/z	Y	m/z	Y
90.00	125	177.00	2077	263.00	95	383.00	634
91.00	2006	178.00	582	264.00	120	384.00	249
92.00	2217	179.00	9979	265.00	3219	385.00	63
93.00	14945	180.00	7735	266.00	3	390.00	503
94.00	1549	181.00	3221	267.00	93	391.00	137
95.00	496	182.00	600	269.00	106	392.00	83
96.00	989	183.00	360	270.00	338	396.00	89
97.00	195	184.00	606	271.00	467	397.00	64
98.00	10595	185.00	5052	272.00	226	400.00	154
99.00	9508	186.00	39120	273.00	4641	401.00	211
100.00	934	187.00	10884	274.00	11000	402.00	867
101.00	5814	188.00	1223	275.00	56200	403.00	1338
102.00	355	189.00	1587	276.00	8095	404.00	249
103.00	1266	190.00	244	277.00	4409	405.00	102
104.00	3039	191.00	1047	278.00	1398	408.00	52
105.00	2533	192.00	2854	279.00	317	410.00	92
107.00	42056	193.00	3294	280.00	124	411.00	59
108.00	6164	194.00	1114	283.00	618	414.00	73
110.00	75496	195.00	651	284.00	579	417.00	187
111.00	11877	196.00	6494	285.00	1319	419.00	161
112.00	1493	198.00	268288	286.00	235	421.00	1154
113.00	682	199.00	18960	289.00	183	422.00	912
114.00	57	200.00	1802	290.00	154	423.00	9029
115.00	295	201.00	595	291.00	63	424.00	2100
116.00	1665	202.00	185	293.00	1114	427.00	98
117.00	30160	203.00	2156	294.00	164	428.00	118
118.00	2358	204.00	10851	296.00	18032	430.00	71
119.00	577	205.00	19488	297.00	2422	432.00	117
120.00	474	206.00	69272	298.00	123	433.00	200
121.00	244	207.00	8400	301.00	332	434.00	322
122.00	2453	208.00	2342	302.00	169	435.00	191
123.00	4030	209.00	928	303.00	2504	436.00	196
124.00	1831	210.00	1187	304.00	388	437.00	288
125.00	2117	211.00	2545	305.00	199	438.00	431

Report Date: 30-Dec-2013 11:12:56 Chrom Revision: 2.1 15-Oct-2013 07:52:24
Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D\SMSD_8270C.rslt\spectra.d
Injection Date: 27-Dec-2013 07:35:30
Spectrum: Tune Spec: Scans 700-702(5.41-5.41) Bgrd 693(5.39)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 327

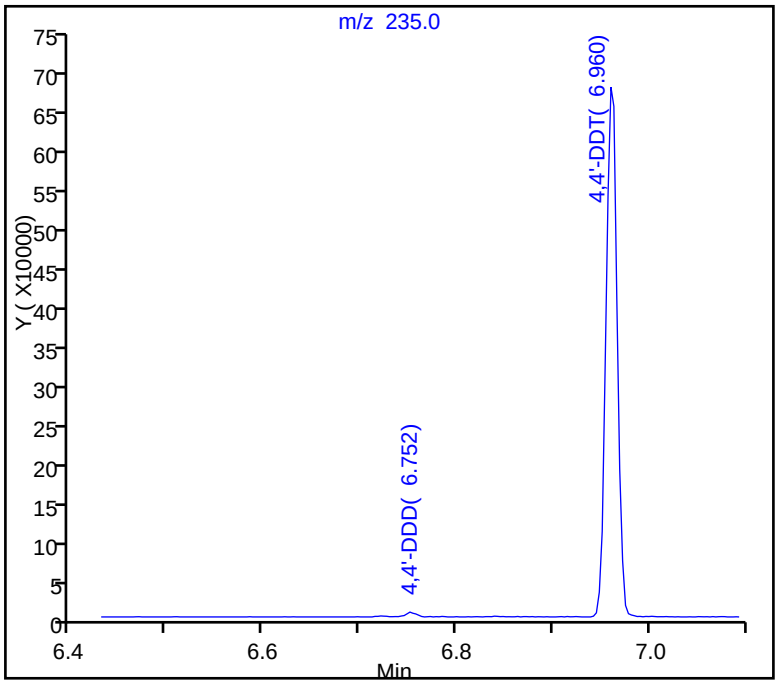
m/z	Y	m/z	Y	m/z	Y	m/z	Y
127.00	151808	212.00	758	306.00	101	439.00	327
128.00	12037	213.00	108	308.00	371	441.00	13797
129.00	56408	214.00	28	310.00	95	442.00	186880
130.00	5185	215.00	679	312.00	138	443.00	36336
131.00	701	216.00	1230	314.00	1134	444.00	3562
132.00	651	217.00	17816	315.00	2065	445.00	126
134.00	1617	218.00	2676	316.00	1150	479.00	77
135.00	4325	219.00	268	317.00	320	496.00	70
136.00	2046	220.00	308	319.00	115	497.00	78
137.00	2764	221.00	8066	320.00	113	511.00	54
138.00	313	222.00	1837	321.00	895	518.00	116
139.00	284	223.00	5261	323.00	5479	528.00	57
140.00	408	224.00	39800	324.00	752	545.00	50
141.00	6627	225.00	10095	325.00	221	546.00	52
142.00	2015	227.00	15365	327.00	1098		

Breakdown Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D				
Injection Date:	27-Dec-2013 07:35:30	Instrument ID:	SMS_D		
Lims ID:	DFTPP	Lab Sample ID:			
Client ID:					
Operator ID:	hoffmanm	ALS Bottle#:	1	Worklist Smp#:	1
Injection Vol:	0.5 ul	Dil. Factor:	1.0000		
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

90 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

90 4,4'-DDT, Area = 547085
81 4,4'-DDD, Area = 4487
89 4,4'-DDE, Area = 0

%Breakdown: 0.81%, Max Limit: 20.00%
Passed

Peak Tailing Report

TestAmerica Denver

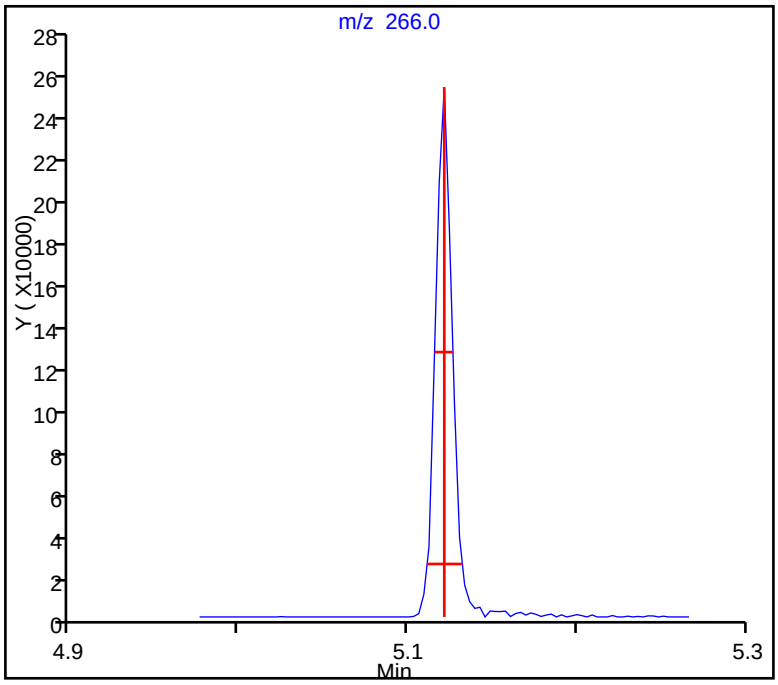
Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D
Injection Date: 27-Dec-2013 07:35:30 Instrument ID: SMS_D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625

37 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.1, Max. Tailing < 5.00
Passed



Peak Tailing Report

TestAmerica Denver

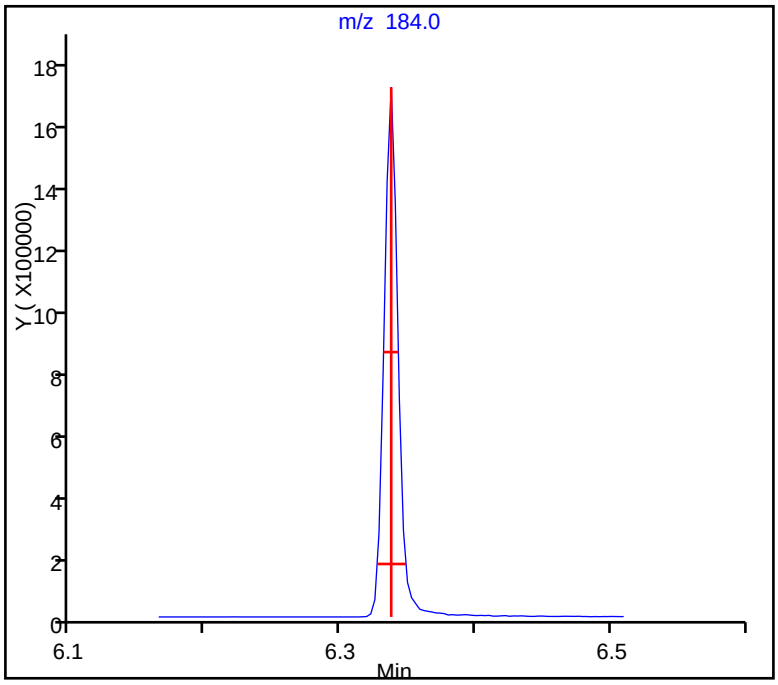
Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3059.D
Injection Date: 27-Dec-2013 07:35:30 Instrument ID: SMS_D
Lims ID: DFTPP Lab Sample ID:
Client ID:
Operator ID: hoffmanm ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Method: SMSD_8270C Limit Group: MSSV - 8270C_625

68 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.1, Max. Tailing < 3.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: | Lab Sample ID: LB 280-206192/1-D

Matrix: Solid (TCLP) | Lab File ID: D3064.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/23/2013 21:42

Sample wt/vol: 200(mL) | Date Analyzed: 12/27/2013 09:38

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

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

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

Analysis Batch No.: 206732 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.020	U	0.050	0.020	0.0049
15831-10-4	3 & 4 Methylphenol	0.0050	U	0.050	0.0050	0.0013
STL00160	Total Cresols	0.020	U	0.050	0.020	0.0013
106-46-7	1,4-Dichlorobenzene	0.0050	U	0.020	0.0050	0.0016
121-14-2	2,4-Dinitrotoluene	0.020	U	0.050	0.020	0.0083
118-74-1	Hexachlorobenzene	0.0050	U	0.050	0.0050	0.0033
87-68-3	Hexachlorobutadiene	0.050	U	0.050	0.050	0.017
67-72-1	Hexachloroethane	0.020	U	0.050	0.020	0.011
98-95-3	Nitrobenzene	0.010	U	0.050	0.010	0.0041
87-86-5	Pentachlorophenol	0.20	U	0.25	0.20	0.10
110-86-1	Pyridine	0.010	U	0.10	0.010	0.0057
88-06-2	2,4,6-Trichlorophenol	0.0050	U	0.025	0.0050	0.0014
95-95-4	2,4,5-Trichlorophenol	0.0050	U	0.050	0.0050	0.0022

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	79		49-120
367-12-4	2-Fluorophenol	71		50-120
4165-62-2	Phenol-d5	64		47-120
118-79-6	2,4,6-Tribromophenol	92		51-120
1718-51-0	Terphenyl-d14	104		56-120
4165-60-0	Nitrobenzene-d5	78		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3064.D
Lims ID: LB 280-206192/1-D Lab Sample ID: LB 280-206192/1-D
Client ID:
Sample Type: LB
Inject. Date: 27-Dec-2013 09:38:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: lb280-206192_1-d
Misc. Info.: 206455 =206455
Operator ID: hoffmanm Instrument ID: SMS_D

Method: \\Denchrom\ChromData\SMS_D\20131227-18621.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 30-Dec-2013 11:12:58 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK034

First Level Reviewer: hoffmanm Date: 30-Dec-2013 10:57:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.403	4.403	0.0	98	349010	40.0	
* 2 Naphthalene-d8	136	5.440	5.439	0.001	99	1343151	40.0	
* 3 Acenaphthene-d10	164	6.919	6.919	0.0	100	800014	40.0	
* 4 Phenanthrene-d10	188	8.185	8.185	0.0	99	1392449	40.0	
* 5 Chrysene-d12	240	11.994	11.994	0.0	45	1398779	40.0	
* 6 Perylene-d12	264	16.156	16.156	0.0	95	1183047	40.0	
$ 7 2-Fluorophenol	112	3.383	3.382	0.001	99	790901	71.0	
$ 8 Phenol-d5	99	4.067	4.066	0.001	93	904974	64.1	
$ 9 Nitrobenzene-d5	82	4.847	4.851	-0.004	96	999003	78.2	
$ 10 2,4,6-Trichlorophenol-d2	198		6.258					
$ 11 2-Fluorobiphenyl	172	6.321	6.320	0.001	82	1923667	79.4	
$ 12 2,4,6-Tribromophenol	330	7.587	7.592	-0.005	90	282132	92.5	
$ 13 Terphenyl-d14	244	9.906	9.905	0.001	99	2598626	104.3	
25 Triethyl amine	86		2.070					
27 1,4-Dioxane	88		2.207					
26 2-Ethoxyethanol	59		2.235					
28 N-Nitrosodimethylamine	74		2.426					
29 Pyridine	79		2.469					
30 Dimethylformamide	73		2.738					
31 2-Picoline	93		2.988					
32 N-Nitrosomethylethylamine	88		3.057					
33 Acrylamide	71		3.234					
34 Methyl methanesulfonate	80		3.276					
35 N-Nitrosodiethylamine	102		3.570					
36 Ethyl methanesulfonate	79		3.784					
38 Benzaldehyde	106		4.066					
39 Phenol	94		4.077					
40 Phenylmercaptan	110		4.122					
41 Aniline	93		4.146					
43 Bis(2-chloroethyl)ether	93		4.167					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
42 Alpha Methyl Styrene	118		4.167					
44 Pentachloroethane	117		4.190					
45 n-Decane	43		4.210					
47 2-Chlorophenol	128		4.237					
52 Methyl styrene	118	4.398	4.359	0.039	14	4644	0	
48 1,3-Dichlorobenzene	146		4.360					
49 1,4-Dichlorobenzene	146		4.419					
50 Benzyl alcohol	108		4.493					
51 1,2-Dichlorobenzene	146		4.541					
53 2-Methylphenol	108		4.557					
54 2,2'-oxybis[1-chloropropane]	45		4.579					
55 Indene	116		4.611					
57 3-Methylphenol	108		4.680					
56 3 & 4 Methylphenol	108		4.680					
58 4-Methylphenol	108		4.680					
59 N-Nitrosodi-n-propylamine	70		4.691					
60 N-Nitrosopyrrolidine	100		4.708					
61 Acetophenone	105		4.712					
62 N-Nitrosomorpholine	116		4.735					
63 2-Toluidine	106		4.751					
64 Hexachloroethane	117		4.814					
65 Nitrobenzene	77		4.862					
66 Triethyl phosphate	99		4.907					
67 N-Nitrosopiperidine	114		4.991					
69 Isophorone	82		5.038					
71 2,4-Dimethylphenol	107		5.113					
37 Pentachlorophenol_T	266		5.121					
70 2-Nitrophenol	139		5.124					
73 o,o',o''-Triethylphosphorothioat	198		5.157					
72 Benzyl dichloride	125		5.158					
74 Benzoic acid	105		5.188					
75 Bis(2-chloroethoxy)methane	93		5.193					
76 3,5-Dimethylphenol	107		5.220					
79 alpha,alpha-Dimethyl phenethylam	58		5.274					
78 2,4-Dichlorophenol	162		5.305					
82 1,2,4-Trichlorobenzene	180		5.385					
83 Alpha-Terpineol	59		5.436					
84 Naphthalene	128		5.460					
85 4-Chloroaniline	127		5.492					
86 2,6-Dichlorophenol	162		5.504					
77 2,4-Xylidine	121		5.509					
87 Hexachloropropene	213		5.525					
88 Hexachlorobutadiene	225		5.535					
80 o-Anisidine	80		5.541					
92 N-Nitrosodi-n-butylamine	84		5.734					
91 Quinoline	129		5.744					
93 Caprolactam	55		5.786					
94 p-Phenylene diamine	108		5.792					
96 4-Chloro-3-methylphenol	107		5.866					
97 Safrole, Total	162		5.937					
98 Carbofuran phenol	164		5.954					
101 2-Methylnaphthalene	142		6.027					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
100 4-chlorobenzenethiol	144		6.036					
102 Phthalic anhydride	76		6.087					
103 1-Methylnaphthalene	142		6.117					
104 Hexachlorocyclopentadiene	237		6.149					
105 1,2,4,5-Tetrachlorobenzene	216		6.165					
106 Isosafrole Peak 1	162		6.182					
99 1,3-phenylenediamine	108		6.187					
107 2,4,6-Trichlorophenol	196		6.256					
108 2,3-Dichlorobenzenamine	161		6.272					
109 2,4,5-Trichlorophenol	196		6.288					
68 Benzidine_T	184		6.337					
110 Isosafrole Peak 2	104		6.375					
111 1,1'-Biphenyl	154		6.411					
112 Toluene diamine (2,4- + 2,6- iso	122		6.429					
113 2-Chloronaphthalene	162		6.449					
114 1-Chloronaphthalene	162		6.476					
115 2-Nitroaniline	65		6.534					
116 1,4-Naphthoquinone	158		6.604					
119 Dimethyl phthalate	163		6.646					
118 1,4-Dinitrobenzene	168		6.647					
120 1,3-Dinitrobenzene	168		6.705					
121 2,6-Dinitrotoluene	165		6.721					
117 Methyl 4-chlorophenyl sulfide	158	6.919	6.753	0.166	1	122625	0	
122 Acenaphthylene	152		6.806					
126 1,3-Dimethyl-2,4-Dinitrobenzene	77		6.875					
123 3-Nitroaniline	138		6.881					
124 Acenaphthene	153		6.945					
125 2,4-Dinitrophenol	184		6.961					
129 1,3-Dimethyl-2,5-Dinitrobenzene	179		6.971					
127 4-Nitrophenol	109		6.993					
128 Pentachlorobenzene	250		7.058					
130 2,4-Dinitrotoluene	165		7.063					
131 Dibenzofuran	168		7.090					
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.131					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		7.158					
132 1-Naphthylamine	143		7.171					
133 2,3,4,6-Tetrachlorophenol	232		7.186					
134 Hexadecane	57		7.191					
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		7.222					
137 Diethyl phthalate	149		7.228					
136 2-Naphthylamine	143		7.235					
139 Thionazin	97		7.304					
147 1,5-Dimethyl-2,4-Dinitrobenzene	179		7.345					
141 4-Chlorophenyl phenyl ether	204		7.357					
144 Tributyl phosphate	99		7.375					
142 Fluorene	166		7.383					
143 N-Nitro-o-toluidine	152		7.395					
145 4-Nitroaniline	138		7.405					
146 4,6-Dinitro-2-methylphenol	198		7.410					
152 1,5-Dimethyl-2,3-Dinitrobenzene	179		7.431					
148 N-Nitrosodiphenylamine	169		7.458					
149 Diphenylamine	169		7.464					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
150 Azobenzene	77		7.490					
151 1,2-Diphenylhydrazine	77		7.490					
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		7.527					
154 Sulfotepp	97		7.539					
155 2,4,6 - Tribromophenol	330		7.592					
161 1,2-Dimethyl-3,4-Dinitrobenzene	179		7.650					
158 Diallate Peak 1	86		7.673					
157 1,3,5-Trinitrobenzene	213		7.678					
159 Phorate	121		7.689					
160 Phenacetin	108		7.705					
162 Diallate Peak 2	86		7.758					
163 4-Bromophenyl phenyl ether	248		7.773					
153 n-hydroxymethylphthalimide	147		7.846					
164 Hexachlorobenzene	284		7.848					
167 1,2-Dimethyl-4,5-Dinitrobenzene	91		7.853					
165 Dimethoate	87		7.860					
166 Atrazine	200		7.880					
168 n-Octadecane	85		7.960					
169 Pentachlorophenol	266		8.008					
170 4-Aminobiphenyl	169		8.009					
172 Pronamide	173		8.015					
171 Pentachloronitrobenzene	237		8.020					
174 Disulfoton	88		8.127					
175 Dinoseb	211		8.132					
176 Phenanthrene	178		8.206					
177 Anthracene	178		8.249					
178 Carbazole	167		8.382					
179 Alachlor	188		8.446					
180 Methyl parathion	109		8.469					
173 Phenyl sulfide	186		8.475					
181 Di-n-butyl phthalate	149		8.612					
182 Ethyl Parathion	109		8.827					
184 Methapyrilene	97		8.955					
183 4-Nitroquinoline-1-oxide	190		8.955					
186 Isodrin	193		9.238					
190 Pyrene	202		9.429					
185 Phenyl disulfide	109		9.515					
188 Benzidine	184		9.584					
187 Fluoranthene	202		9.750					
191 Aramite Peak 1	185		9.815					
189 Diphenylsulfone	125		9.844					
192 Aramite Peak 2	185		9.927					
193 p-Dimethylamino azobenzene	120		10.136					
194 Chlorobenzilate	251		10.178					
195 Octachlorostyrene	308		10.220					
199 4,4-Dichlorobenzil	139		10.602					
196 Famphur	218		10.615					
197 Butyl benzyl phthalate	149		10.696					
198 3,3'-Dimethylbenzidine	212		10.750					
203 p-chlorophenyl sulfone	159		10.896					
200 2-Acetylaminofluorene	181		11.268					
202 Bis(2-ethylhexyl) phthalate	149		11.903					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
204 3,3'-Dichlorobenzidine	252		11.924					
205 4,4'-Methylene bis(2-chloroanili	231		11.936					
206 Benzo[a]anthracene	228		11.972					
207 Chrysene	228		12.063					
209 6-Methylchrysene	242		13.239					
208 Di-n-octyl phthalate	149		13.735					
213 Hexachlorophene	196		14.608					
211 Benzo[b]fluoranthene	252		14.943					
210 7,12-Dimethylbenz(a)anthracene	256		14.949					
212 Benzo[k]fluoranthene	252		15.028					
214 Benzo[e]pyrene	252		15.813					
215 Benzo[a]pyrene	252		15.979					
216 Perylene	252		16.301					
217 3-Methylcholanthrene	268		17.134					
218 Tris(2,3-dibromopropyl)phosphate	119		17.856					
219 Dibenz[a,h]acridine	279		18.955					
220 Dibenz[a,j]acridine	279		19.100					
222 Indeno[1,2,3-cd]pyrene	276		19.483					
221 Dibenz(a,h)anthracene	278		19.542					
223 Benzo[g,h,i]perylene	276		19.996					
224 Dibenzo[a,e]pyrene	302		22.819					
23 2-Phenoxyethanol	1		0.0					
21 2,6-Dimethylphenol	1		0.0					
22 2-Butoxyethanol	1		0.0					
20 1,2,3,4-Tetrahydronaphthalene	1		0.0					
89 4,4'-DDE	246		6.632					
81 4,4'-DDD	235		6.752					
90 4,4'-DDT	235		6.960					
S 225 Total Cresols	108		15.496					
S 226 Methyl Phenols,Total	108		15.496					
S 227 Isosafrole	162		15.496					
S 228 Diallate	86		15.496					
S 229 Aramite, Total	185		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 15 Pentachlorodibenzofurans TIC	1		0.0					
T 16 Tetrachlorodibenzofurans TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 24 Pentachlorodibenzo-p-dioxin TIC	1		0.0					

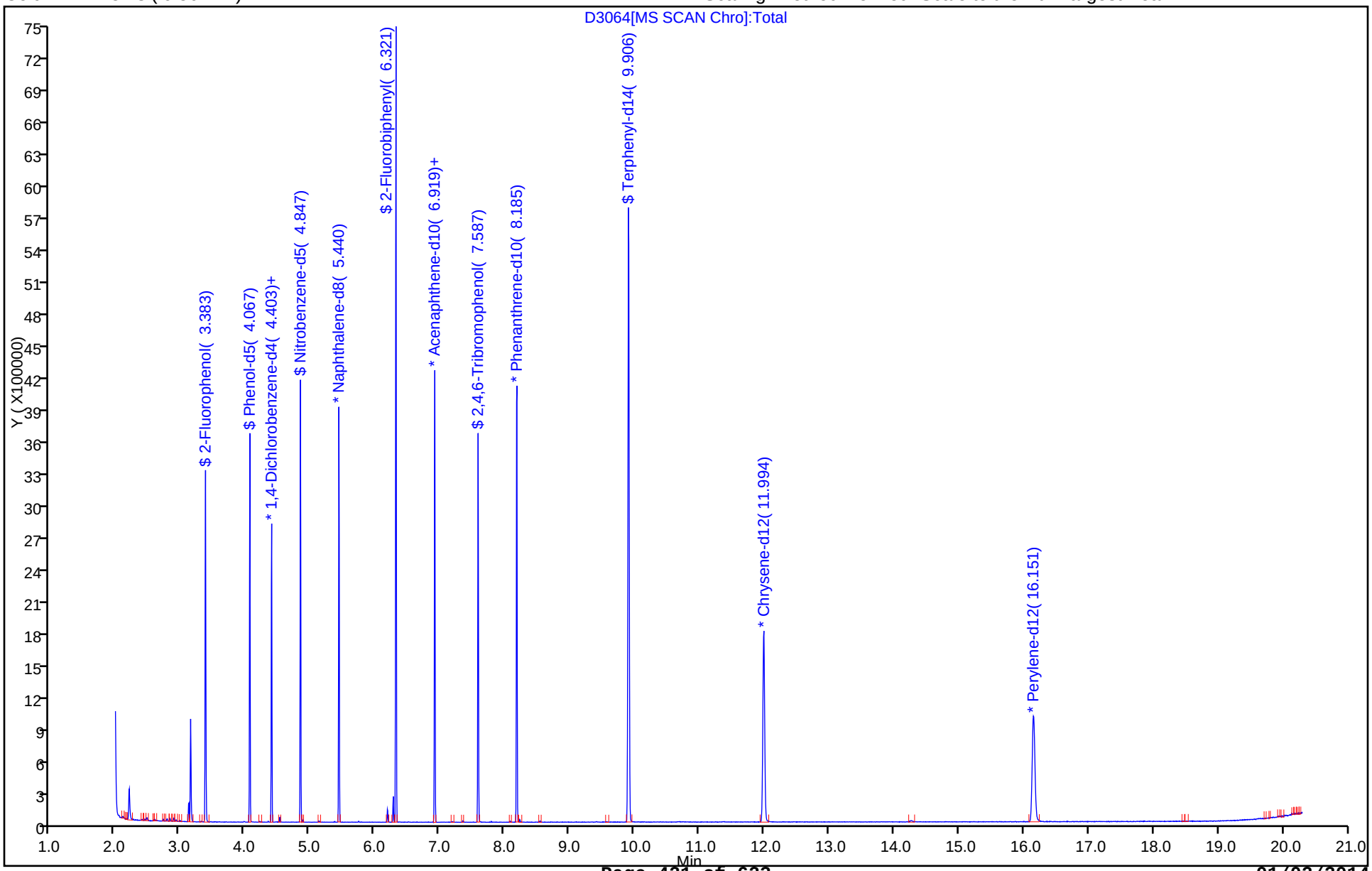
Report Date: 30-Dec-2013 11:13:03 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3064.D

Injection Date:	27-Dec-2013 09:38:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	LB 280-206192/1-D	Lab Sample ID:	LB 280-206192/1-D	Worklist Smp#:	6
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: | Lab Sample ID: LCS 280-206192/2-D

Matrix: Solid (TCLP) | Lab File ID: D3065.D

Analysis Method: 8270C | Date Collected:

Extract. Method: 3510C | Date Extracted: 12/23/2013 21:42

Sample wt/vol: 200(mL) | Date Analyzed: 12/27/2013 10:05

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

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

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

Analysis Batch No.: 206732 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.231		0.050	0.020	0.0049
15831-10-4	3 & 4 Methylphenol	0.469		0.050	0.0050	0.0013
STL00160	Total Cresols	0.700		0.050	0.020	0.0013
106-46-7	1,4-Dichlorobenzene	0.214		0.020	0.0050	0.0016
121-14-2	2,4-Dinitrotoluene	0.0757		0.050	0.020	0.0083
118-74-1	Hexachlorobenzene	0.0990		0.050	0.0050	0.0033
87-68-3	Hexachlorobutadiene	0.210		0.050	0.050	0.017
67-72-1	Hexachloroethane	0.206		0.050	0.020	0.011
98-95-3	Nitrobenzene	0.239		0.050	0.010	0.0041
87-86-5	Pentachlorophenol	0.523		0.25	0.20	0.10
110-86-1	Pyridine	0.169		0.10	0.010	0.0057
88-06-2	2,4,6-Trichlorophenol	0.245		0.025	0.0050	0.0014
95-95-4	2,4,5-Trichlorophenol	0.254		0.050	0.0050	0.0022

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	93		49-120
367-12-4	2-Fluorophenol	86		50-120
4165-62-2	Phenol-d5	79		47-120
118-79-6	2,4,6-Tribromophenol	99		51-120
1718-51-0	Terphenyl-d14	104		56-120
4165-60-0	Nitrobenzene-d5	92		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3065.D
Lims ID: LCS 280-206192/2-D Lab Sample ID: LCS 280-206192/2-D
Client ID:
Sample Type: LCS
Inject. Date: 27-Dec-2013 10:05:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: lcs280-206192_2-d
Misc. Info.: 206455 =206455
Operator ID: hoffmanm Instrument ID: SMS_D

Method: \\Denchrom\ChromData\SMS_D\20131227-18621.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 30-Dec-2013 11:12:58 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK034

First Level Reviewer: hoffmanm Date: 30-Dec-2013 10:57:40

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.403	4.403	0.0	98	346725	40.0	
* 2 Naphthalene-d8	136	5.439	5.439	0.0	99	1353860	40.0	
* 3 Acenaphthene-d10	164	6.919	6.919	0.0	100	789075	40.0	
* 4 Phenanthrene-d10	188	8.185	8.185	0.0	99	1392402	40.0	
* 5 Chrysene-d12	240	11.989	11.994	-0.005	45	1392733	40.0	
* 6 Perylene-d12	264	16.150	16.156	-0.006	96	1170277	40.0	
$ 7 2-Fluorophenol	112	3.383	3.382	0.001	99	956845	86.4	
$ 8 Phenol-d5	99	4.067	4.066	0.0	98	1106000	78.9	
$ 9 Nitrobenzene-d5	82	4.846	4.851	-0.005	96	1178225	91.5	
$ 11 2-Fluorobiphenyl	172	6.321	6.320	0.001	95	2212450	92.6	
$ 12 2,4,6-Tribromophenol	330	7.587	7.592	-0.005	90	296404	98.5	
$ 13 Terphenyl-d14	244	9.905	9.905	0.0	99	2579189	103.9	
29 Pyridine	79	2.480	2.469	0.011	94	440475	33.8	
49 1,4-Dichlorobenzene	146	4.414	4.419	-0.005	96	548393	42.8	
53 2-Methylphenol	108	4.558	4.557	0.001	66	513024	46.2	
57 3-Methylphenol	108	4.681	4.680	0.001	96	1066873	93.8	
56 3 & 4 Methylphenol	108	4.681	4.680	0.001	62	1066873	93.8	
58 4-Methylphenol	108	4.681	4.680	0.001	92	1066873	93.8	
64 Hexachloroethane	117	4.814	4.814	0.0	95	206229	41.2	
65 Nitrobenzene	77	4.862	4.862	0.0	96	602184	47.8	
88 Hexachlorobutadiene	225	5.536	5.535	0.001	98	249993	42.0	
107 2,4,6-Trichlorophenol	196	6.257	6.256	0.001	74	328854	48.9	
109 2,4,5-Trichlorophenol	196	6.289	6.288	0.001	97	363747	50.7	
130 2,4-Dinitrotoluene	165	7.058	7.063	-0.005	88	108441	15.1	
155 2,4,6 - Tribromophenol	330	7.587	7.592	-0.005	90	297543	98.3	
164 Hexachlorobenzene	284	7.843	7.848	-0.005	92	127207	19.8	
169 Pentachlorophenol	266	8.009	8.008	0.001	94	441489	104.6	

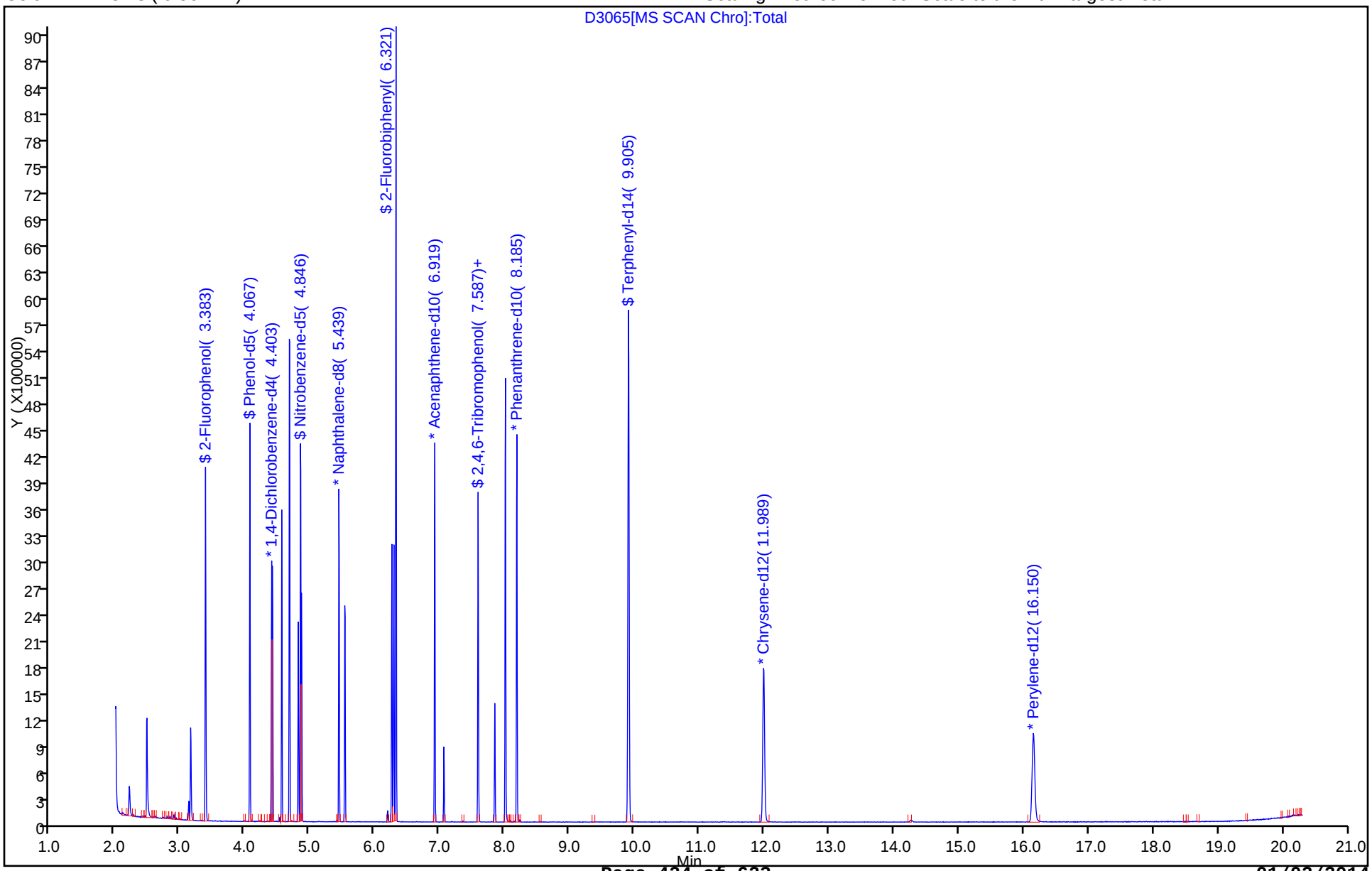
Report Date: 30-Dec-2013 11:13:04 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3065.D

Injection Date:	27-Dec-2013 10:05:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	LCS 280-206192/2-D	Lab Sample ID:	LCS 280-206192/2-D	Worklist Smp#:	7
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: AOI72TCLP01AA MS | Lab Sample ID: 280-50385-1 MS

Matrix: Solid (TCLP) | Lab File ID: D3083.D

Analysis Method: 8270C | Date Collected: 12/13/2013 11:45

Extract. Method: 3510C | Date Extracted: 12/23/2013 21:42

Sample wt/vol: 200(mL) | Date Analyzed: 12/27/2013 18:23

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

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

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

Analysis Batch No.: 206732 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.225		0.050	0.020	0.0049
15831-10-4	3 & 4 Methylphenol	0.466		0.050	0.0050	0.0013
STL00160	Total Cresols	0.691		0.050	0.020	0.0013
106-46-7	1,4-Dichlorobenzene	0.186		0.020	0.0050	0.0016
121-14-2	2,4-Dinitrotoluene	0.0828		0.050	0.020	0.0083
118-74-1	Hexachlorobenzene	0.0979		0.050	0.0050	0.0033
87-68-3	Hexachlorobutadiene	0.174		0.050	0.050	0.017
67-72-1	Hexachloroethane	0.152		0.050	0.020	0.011
98-95-3	Nitrobenzene	0.227		0.050	0.010	0.0041
87-86-5	Pentachlorophenol	0.447		0.25	0.20	0.10
110-86-1	Pyridine	0.104		0.10	0.010	0.0057
88-06-2	2,4,6-Trichlorophenol	0.244		0.025	0.0050	0.0014
95-95-4	2,4,5-Trichlorophenol	0.251		0.050	0.0050	0.0022

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	87		49-120
367-12-4	2-Fluorophenol	82		50-120
4165-62-2	Phenol-d5	75		47-120
118-79-6	2,4,6-Tribromophenol	99		51-120
1718-51-0	Terphenyl-d14	100		56-120
4165-60-0	Nitrobenzene-d5	87		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3083.D
Lims ID: 280-50385-A-1-D MS Lab Sample ID: 280-50385-1
Client ID:
Sample Type: MS
Inject. Date: 27-Dec-2013 18:23:30 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-50385-a-1-dms
Misc. Info.: 206455 =206455
Operator ID: hoffmanm Instrument ID: SMS_D

Method: \\Denchrom\ChromData\SMS_D\20131227-18621.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 30-Dec-2013 11:12:58 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK034

First Level Reviewer: hoffmanm Date: 30-Dec-2013 11:08:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.401	4.403	-0.002	94	374478	40.0	
* 2 Naphthalene-d8	136	5.442	5.439	0.003	99	1477974	40.0	
* 3 Acenaphthene-d10	164	6.917	6.919	-0.002	100	867860	40.0	
* 4 Phenanthrene-d10	188	8.183	8.185	-0.002	99	1517073	40.0	
* 5 Chrysene-d12	240	11.997	11.994	0.003	46	1543066	40.0	
* 6 Perylene-d12	264	16.159	16.156	0.003	96	1332031	40.0	
$ 7 2-Fluorophenol	112	3.386	3.382	0.004	99	977941	81.8	
$ 8 Phenol-d5	99	4.069	4.066	0.003	93	1137164	75.1	
$ 9 Nitrobenzene-d5	82	4.849	4.851	-0.002	96	1227791	87.4	
$ 10 2,4,6-Trichlorophenol-d2	198		6.258					
$ 11 2-Fluorobiphenyl	172	6.318	6.320	-0.002	95	2274553	86.6	
$ 12 2,4,6-Tribromophenol	330	7.590	7.592	-0.002	94	327695	99.0	
$ 13 Terphenyl-d14	244	9.908	9.905	0.003	99	2761452	100.4	
25 Triethyl amine	86		2.070					
27 1,4-Dioxane	88		2.207					
26 2-Ethoxyethanol	59		2.235					
28 N-Nitrosodimethylamine	74		2.426					
29 Pyridine	79	2.477	2.469	0.008	94	292466	20.8	
30 Dimethylformamide	73		2.738					
31 2-Picoline	93		2.988					
32 N-Nitrosomethylethylamine	88		3.057					
33 Acrylamide	71		3.234					
34 Methyl methanesulfonate	80		3.276					
35 N-Nitrosodiethylamine	102		3.570					
36 Ethyl methanesulfonate	79		3.784					
38 Benzaldehyde	106		4.066					
39 Phenol	94		4.077					
40 Phenylmercaptan	110		4.122					
41 Aniline	93		4.146					
43 Bis(2-chloroethyl)ether	93		4.167					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
42 Alpha Methyl Styrene	118		4.167					
44 Pentachloroethane	117		4.190					
45 n-Decane	43		4.210					
47 2-Chlorophenol	128		4.237					
52 Methyl styrene	118		4.359					
48 1,3-Dichlorobenzene	146		4.360					
49 1,4-Dichlorobenzene	146	4.417	4.419	-0.002	98	516210	37.3	
50 Benzyl alcohol	108		4.493					
51 1,2-Dichlorobenzene	146		4.541					
53 2-Methylphenol	108	4.561	4.557	0.004	65	540101	45.0	
54 2,2'-oxybis[1-chloropropane]	45		4.579					
55 Indene	116		4.611					
57 3-Methylphenol	108	4.678	4.680	-0.002	97	1145077	93.3	
56 3 & 4 Methylphenol	108	4.678	4.680	-0.002	62	1145077	93.3	
58 4-Methylphenol	108	4.678	4.680	-0.002	93	1145077	93.3	
59 N-Nitrosodi-n-propylamine	70		4.691					
60 N-Nitrosopyrrolidine	100		4.708					
61 Acetophenone	105		4.712					
62 N-Nitrosomorpholine	116		4.735					
63 2-Toluidine	106		4.751					
64 Hexachloroethane	117	4.812	4.814	-0.002	96	164407	30.4	
65 Nitrobenzene	77	4.865	4.862	0.003	96	623955	45.3	
66 Triethyl phosphate	99		4.907					
67 N-Nitrosopiperidine	114		4.991					
69 Isophorone	82		5.038					
71 2,4-Dimethylphenol	107		5.113					
37 Pentachlorophenol_T	266		5.121					
70 2-Nitrophenol	139		5.124					
73 o,o',o''-Triethylphosphorothioat	198		5.157					
72 Benzyl dichloride	125		5.158					
74 Benzoic acid	105		5.188					
75 Bis(2-chloroethoxy)methane	93		5.193					
76 3,5-Dimethylphenol	107		5.220					
79 alpha,alpha-Dimethyl phenethylam	58		5.274					
78 2,4-Dichlorophenol	162		5.305					
82 1,2,4-Trichlorobenzene	180		5.385					
83 Alpha-Terpineol	59		5.436					
84 Naphthalene	128		5.460					
85 4-Chloroaniline	127		5.492					
86 2,6-Dichlorophenol	162		5.504					
77 2,4-Xylidine	121		5.509					
87 Hexachloropropene	213		5.525					
88 Hexachlorobutadiene	225	5.533	5.535	-0.002	97	226398	34.8	
80 o-Anisidine	80		5.541					
92 N-Nitrosodi-n-butylamine	84		5.734					
91 Quinoline	129		5.744					
93 Caprolactam	55		5.786					
94 p-Phenylene diamine	108		5.792					
96 4-Chloro-3-methylphenol	107		5.866					
97 Safrole, Total	162		5.937					
98 Carbofuran phenol	164		5.954					
101 2-Methylnaphthalene	142		6.027					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
100 4-chlorobenzenethiol	144		6.036					
95 5-Methyl-o-Anisidine	122		6.054					
102 Phthalic anhydride	76		6.087					
103 1-Methylnaphthalene	142		6.117					
104 Hexachlorocyclopentadiene	237		6.149					
105 1,2,4,5-Tetrachlorobenzene	216		6.165					
106 Isosafrole Peak 1	162		6.182					
99 1,3-phenylenediamine	108		6.187					
107 2,4,6-Trichlorophenol	196	6.254	6.256	-0.002	76	361058	48.9	
108 2,3-Dichlorobenzenamine	161		6.272					
109 2,4,5-Trichlorophenol	196	6.286	6.288	-0.002	96	395332	50.1	
68 Benzidine_T	184		6.337					
110 Isosafrole Peak 2	104		6.375					
111 1,1'-Biphenyl	154		6.411					
112 Toluene diamine (2,4- + 2,6- iso	122		6.429					
113 2-Chloronaphthalene	162		6.449					
114 1-Chloronaphthalene	162		6.476					
115 2-Nitroaniline	65		6.534					
116 1,4-Naphthoquinone	158		6.604					
119 Dimethyl phthalate	163		6.646					
118 1,4-Dinitrobenzene	168		6.647					
120 1,3-Dinitrobenzene	168		6.705					
121 2,6-Dinitrotoluene	165		6.721					
117 Methyl 4-chlorophenyl sulfide	158		6.753					
122 Acenaphthylene	152		6.806					
126 1,3-Dimethyl-2,4-Dinitrobenzene	77		6.875					
123 3-Nitroaniline	138		6.881					
124 Acenaphthene	153		6.945					
125 2,4-Dinitrophenol	184		6.961					
129 1,3-Dimethyl-2,5-Dinitrobenzene	179		6.971					
127 4-Nitrophenol	109		6.993					
128 Pentachlorobenzene	250		7.058					
130 2,4-Dinitrotoluene	165	7.061	7.063	-0.002	89	130557	16.6	
131 Dibenzofuran	168		7.090					
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.131					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		7.158					
132 1-Naphthylamine	143		7.171					
133 2,3,4,6-Tetrachlorophenol	232		7.186					
134 Hexadecane	57		7.191					
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		7.222					
137 Diethyl phthalate	149		7.228					
136 2-Naphthylamine	143		7.235					
139 Thionazin	97		7.304					
147 1,5-Dimethyl-2,4-Dinitrobenzene	179		7.345					
141 4-Chlorophenyl phenyl ether	204		7.357					
144 Tributyl phosphate	99		7.375					
142 Fluorene	166		7.383					
143 N-Nitro-o-toluidine	152		7.395					
145 4-Nitroaniline	138		7.405					
146 4,6-Dinitro-2-methylphenol	198		7.410					
152 1,5-Dimethyl-2,3-Dinitrobenzene	179		7.431					
148 N-Nitrosodiphenylamine	169		7.458					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
149 Diphenylamine	169		7.464					
150 Azobenzene	77		7.490					
151 1,2-Diphenylhydrazine	77		7.490					
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		7.527					
154 Sulfotepp	97		7.539					
155 2,4,6 - Tribromophenol	330	7.590	7.592	-0.002	94	327465	98.3	
161 1,2-Dimethyl-3,4-Dinitrobenzene	179		7.650					
158 Diallate Peak 1	86		7.673					
157 1,3,5-Trinitrobenzene	213		7.678					
159 Phorate	121		7.689					
160 Phenacetin	108		7.705					
162 Diallate Peak 2	86		7.758					
163 4-Bromophenyl phenyl ether	248		7.773					
153 n-hydroxymethylphthalimide	147		7.846					
164 Hexachlorobenzene	284	7.846	7.848	-0.002	94	137172	19.6	
167 1,2-Dimethyl-4,5-Dinitrobenzene	91		7.853					
165 Dimethoate	87		7.860					
166 Atrazine	200		7.880					
168 n-Octadecane	85		7.960					
169 Pentachlorophenol	266	8.012	8.008	0.004	96	410935	89.4	
170 4-Aminobiphenyl	169		8.009					
172 Pronamide	173		8.015					
171 Pentachloronitrobenzene	237		8.020					
174 Disulfoton	88		8.127					
175 Dinoseb	211		8.132					
176 Phenanthrene	178		8.206					
177 Anthracene	178		8.249					
178 Carbazole	167		8.382					
179 Alachlor	188		8.446					
180 Methyl parathion	109		8.469					
173 Phenyl sulfide	186		8.475					
181 Di-n-butyl phthalate	149		8.612					
182 Ethyl Parathion	109		8.827					
184 Methapyrilene	97		8.955					
183 4-Nitroquinoline-1-oxide	190		8.955					
186 Isodrin	193		9.238					
190 Pyrene	202		9.429					
185 Phenyl disulfide	109		9.515					
188 Benzidine	184		9.584					
187 Fluoranthene	202		9.750					
191 Aramite Peak 1	185		9.815					
189 Diphenylsulfone	125		9.844					
192 Aramite Peak 2	185		9.927					
193 p-Dimethylamino azobenzene	120		10.136					
194 Chlorobenzilate	251		10.178					
195 Octachlorostyrene	308		10.220					
199 4,4-Dichlorobenzil	139		10.602					
196 Famphur	218		10.615					
197 Butyl benzyl phthalate	149		10.696					
198 3,3'-Dimethylbenzidine	212		10.750					
201 Bis(4-chlorophenyl)disulfide	143		10.831					
203 p-chlorophenyl sulfone	159		10.896					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
200 2-Acetylaminofluorene	181		11.268					
202 Bis(2-ethylhexyl) phthalate	149		11.903					
204 3,3'-Dichlorobenzidine	252		11.924					
205 4,4'-Methylene bis(2-chloroanili	231		11.936					
206 Benzo[a]anthracene	228		11.972					
207 Chrysene	228		12.063					
209 6-Methylchrysene	242		13.239					
208 Di-n-octyl phthalate	149		13.735					
213 Hexachlorophene	196		14.608					
211 Benzo[b]fluoranthene	252		14.943					
210 7,12-Dimethylbenz(a)anthracene	256		14.949					
212 Benzo[k]fluoranthene	252		15.028					
214 Benzo[e]pyrene	252		15.813					
215 Benzo[a]pyrene	252		15.979					
216 Perylene	252		16.301					
217 3-Methylcholanthrene	268		17.134					
218 Tris(2,3-dibromopropyl)phosphate	119		17.856					
219 Dibenz[a,h]acridine	279		18.955					
220 Dibenz[a,j]acridine	279		19.100					
222 Indeno[1,2,3-cd]pyrene	276		19.483					
221 Dibenz(a,h)anthracene	278		19.542					
223 Benzo[g,h,i]perylene	276		19.996					
224 Dibenzo[a,e]pyrene	302		22.819					
23 2-Phenoxyethanol	1		0.0					
21 2,6-Dimethylphenol	1		0.0					
22 2-Butoxyethanol	1		0.0					
20 1,2,3,4-Tetrahydronaphthalene	1		0.0					
89 4,4'-DDE	246		6.632					
81 4,4'-DDD	235		6.752					
90 4,4'-DDT	235		6.960					
S 225 Total Cresols	108				0		138.2	
S 226 Methyl Phenols,Total	108				0		138.2	
S 227 Isosafrole	162		15.496					
S 228 Diallate	86		15.496					
S 229 Aramite, Total	185		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 15 Pentachlorodibenzofurans TIC	1		0.0					
T 16 Tetrachlorodibenzofurans TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 24 Pentachlorodibenzo-p-dioxin TIC	1		0.0					

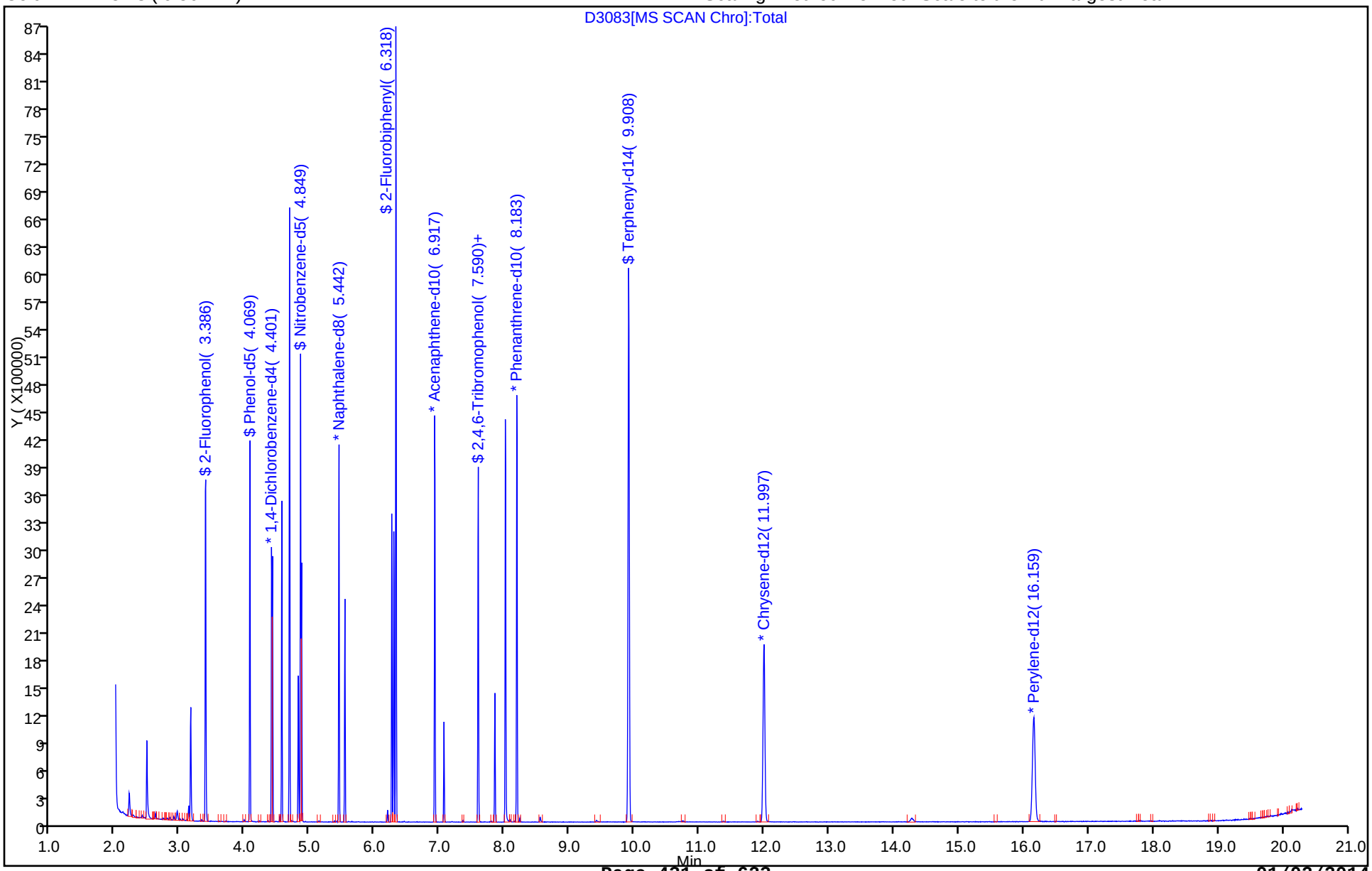
Report Date: 30-Dec-2013 11:13:23 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3083.D

Injection Date:	27-Dec-2013 18:23:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	280-50385-A-1-D MS	Lab Sample ID:	280-50385-1	Worklist Smp#:	25
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-50385-1

SDG No.: 294

Client Sample ID: AOI72TCLP01AA MSD | Lab Sample ID: 280-50385-1 MSD

Matrix: Solid (TCLP) | Lab File ID: D3084.D

Analysis Method: 8270C | Date Collected: 12/13/2013 11:45

Extract. Method: 3510C | Date Extracted: 12/23/2013 21:42

Sample wt/vol: 200(mL) | Date Analyzed: 12/27/2013 18:50

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

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

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

Analysis Batch No.: 206732 | Units: mg/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
95-48-7	2-Methylphenol	0.220		0.050	0.020	0.0049
15831-10-4	3 & 4 Methylphenol	0.461		0.050	0.0050	0.0013
STL00160	Total Cresols	0.681		0.050	0.020	0.0013
106-46-7	1,4-Dichlorobenzene	0.196		0.020	0.0050	0.0016
121-14-2	2,4-Dinitrotoluene	0.0816		0.050	0.020	0.0083
118-74-1	Hexachlorobenzene	0.0974		0.050	0.0050	0.0033
87-68-3	Hexachlorobutadiene	0.190		0.050	0.050	0.017
67-72-1	Hexachloroethane	0.166		0.050	0.020	0.011
98-95-3	Nitrobenzene	0.226		0.050	0.010	0.0041
87-86-5	Pentachlorophenol	0.453		0.25	0.20	0.10
110-86-1	Pyridine	0.188	J	0.10	0.010	0.0057
88-06-2	2,4,6-Trichlorophenol	0.241		0.025	0.0050	0.0014
95-95-4	2,4,5-Trichlorophenol	0.248		0.050	0.0050	0.0022

CAS NO.	SURROGATE	%REC	Q	LIMITS
321-60-8	2-Fluorobiphenyl	86		49-120
367-12-4	2-Fluorophenol	81		50-120
4165-62-2	Phenol-d5	75		47-120
118-79-6	2,4,6-Tribromophenol	97		51-120
1718-51-0	Terphenyl-d14	101		56-120
4165-60-0	Nitrobenzene-d5	86		51-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3084.D
Lims ID: 280-50385-A-1-E MSD Lab Sample ID: 280-50385-1
Client ID:
Sample Type: MSD
Inject. Date: 27-Dec-2013 18:50:30 ALS Bottle#: 26 Worklist Smp#: 26
Injection Vol: 0.5 ul Dil. Factor: 1.0000
Sample Info: 280-50385-a-1-emsd
Misc. Info.: 206455 =206455
Operator ID: hoffmanm Instrument ID: SMS_D

Method: \\Denchrom\ChromData\SMS_D\20131227-18621.b\SMSD_8270C.m
Limit Group: MSSV - 8270C_625
Method Label: 8270C / 625
Last Update: 30-Dec-2013 11:12:58 Calib Date: 26-Dec-2013 11:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SMS_D\20131226-18601.b\D3021.D

Column 1 : VF-5ms (0.50 mm) Detector MS SCAN
Process Host: XAWRK034

First Level Reviewer: hoffmanm Date: 30-Dec-2013 11:09:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.403	4.403	0.0	98	371001	40.0	
* 2 Naphthalene-d8	136	5.439	5.439	0.0	99	1461140	40.0	
* 3 Acenaphthene-d10	164	6.919	6.919	0.0	100	863292	40.0	
* 4 Phenanthrene-d10	188	8.185	8.185	0.0	99	1497314	40.0	
* 5 Chrysene-d12	240	11.994	11.994	0.0	45	1515396	40.0	
* 6 Perylene-d12	264	16.156	16.156	0.0	95	1309523	40.0	
$ 7 2-Fluorophenol	112	3.382	3.382	0.0	99	962726	81.3	
$ 8 Phenol-d5	99	4.066	4.066	0.0	93	1121994	74.8	
$ 9 Nitrobenzene-d5	82	4.852	4.851	0.001	97	1192894	85.8	
$ 10 2,4,6-Trichlorophenol-d2	198		6.258					
$ 11 2-Fluorobiphenyl	172	6.321	6.320	0.001	95	2260103	86.5	
$ 12 2,4,6-Tribromophenol	330	7.587	7.592	-0.005	91	318985	96.9	
$ 13 Terphenyl-d14	244	9.911	9.905	0.006	99	2729343	101.1	
25 Triethyl amine	86		2.070					
27 1,4-Dioxane	88		2.207					
26 2-Ethoxyethanol	59		2.235					
28 N-Nitrosodimethylamine	74		2.426					
29 Pyridine	79	2.480	2.469	0.011	94	525650	37.7	
30 Dimethylformamide	73		2.738					
31 2-Picoline	93		2.988					
32 N-Nitrosomethylethylamine	88		3.057					
33 Acrylamide	71		3.234					
34 Methyl methanesulfonate	80		3.276					
35 N-Nitrosodiethylamine	102		3.570					
36 Ethyl methanesulfonate	79		3.784					
38 Benzaldehyde	106		4.066					
39 Phenol	94		4.077					
40 Phenylmercaptan	110		4.122					
41 Aniline	93		4.146					
43 Bis(2-chloroethyl)ether	93		4.167					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
42 Alpha Methyl Styrene	118		4.167					
44 Pentachloroethane	117		4.190					
45 n-Decane	43		4.210					
47 2-Chlorophenol	128		4.237					
52 Methyl styrene	118		4.359					
48 1,3-Dichlorobenzene	146		4.360					
49 1,4-Dichlorobenzene	146	4.419	4.419	0.0	98	537579	39.2	
50 Benzyl alcohol	108		4.493					
51 1,2-Dichlorobenzene	146		4.541					
53 2-Methylphenol	108	4.558	4.557	0.001	66	522549	43.9	
54 2,2'-oxybis[1-chloropropane]	45		4.579					
55 Indene	116		4.611					
57 3-Methylphenol	108	4.681	4.680	0.001	96	1121685	92.2	
56 3 & 4 Methylphenol	108	4.681	4.680	0.001	62	1121685	92.2	
58 4-Methylphenol	108	4.681	4.680	0.001	92	1121685	92.2	
59 N-Nitrosodi-n-propylamine	70		4.691					
60 N-Nitrosopyrrolidine	100		4.708					
61 Acetophenone	105		4.712					
62 N-Nitrosomorpholine	116		4.735					
63 2-Toluidine	106		4.751					
64 Hexachloroethane	117	4.814	4.814	0.0	96	177703	33.2	
65 Nitrobenzene	77	4.862	4.862	0.0	95	614856	45.2	
66 Triethyl phosphate	99		4.907					
67 N-Nitrosopiperidine	114		4.991					
69 Isophorone	82		5.038					
71 2,4-Dimethylphenol	107		5.113					
37 Pentachlorophenol_T	266		5.121					
70 2-Nitrophenol	139		5.124					
73 o,o',o''-Triethylphosphorothioat	198		5.157					
72 Benzyl dichloride	125		5.158					
74 Benzoic acid	105		5.188					
75 Bis(2-chloroethoxy)methane	93		5.193					
76 3,5-Dimethylphenol	107		5.220					
79 alpha,alpha-Dimethyl phenethylam	58		5.274					
78 2,4-Dichlorophenol	162		5.305					
82 1,2,4-Trichlorobenzene	180		5.385					
83 Alpha-Terpineol	59		5.436					
84 Naphthalene	128		5.460					
85 4-Chloroaniline	127		5.492					
86 2,6-Dichlorophenol	162		5.504					
77 2,4-Xylidine	121		5.509					
87 Hexachloropropene	213		5.525					
88 Hexachlorobutadiene	225	5.535	5.535	0.0	98	244122	38.0	
80 o-Anisidine	80		5.541					
92 N-Nitrosodi-n-butylamine	84		5.734					
91 Quinoline	129		5.744					
93 Caprolactam	55		5.786					
94 p-Phenylene diamine	108		5.792					
96 4-Chloro-3-methylphenol	107		5.866					
97 Safrole, Total	162		5.937					
98 Carbofuran phenol	164		5.954					
101 2-Methylnaphthalene	142		6.027					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
100 4-chlorobenzenethiol	144		6.036					
95 5-Methyl-o-Anisidine	122		6.054					
102 Phthalic anhydride	76		6.087					
103 1-Methylnaphthalene	142		6.117					
104 Hexachlorocyclopentadiene	237		6.149					
105 1,2,4,5-Tetrachlorobenzene	216		6.165					
106 Isosafrole Peak 1	162		6.182					
99 1,3-phenylenediamine	108		6.187					
107 2,4,6-Trichlorophenol	196	6.257	6.256	0.001	76	354024	48.2	
108 2,3-Dichlorobenzenamine	161		6.272					
109 2,4,5-Trichlorophenol	196	6.289	6.288	0.001	97	388271	49.5	
68 Benzidine_T	184		6.337					
110 Isosafrole Peak 2	104		6.375					
111 1,1'-Biphenyl	154		6.411					
112 Toluene diamine (2,4- + 2,6- iso	122		6.429					
113 2-Chloronaphthalene	162		6.449					
114 1-Chloronaphthalene	162		6.476					
115 2-Nitroaniline	65		6.534					
116 1,4-Naphthoquinone	158		6.604					
119 Dimethyl phthalate	163		6.646					
118 1,4-Dinitrobenzene	168		6.647					
120 1,3-Dinitrobenzene	168		6.705					
121 2,6-Dinitrotoluene	165		6.721					
117 Methyl 4-chlorophenyl sulfide	158		6.753					
122 Acenaphthylene	152		6.806					
126 1,3-Dimethyl-2,4-Dinitrobenzene	77		6.875					
123 3-Nitroaniline	138		6.881					
124 Acenaphthene	153		6.945					
125 2,4-Dinitrophenol	184		6.961					
129 1,3-Dimethyl-2,5-Dinitrobenzene	179		6.971					
127 4-Nitrophenol	109		6.993					
128 Pentachlorobenzene	250		7.058					
130 2,4-Dinitrotoluene	165	7.063	7.063	0.0	91	127900	16.3	
131 Dibenzofuran	168		7.090					
135 1,4-Dimethyl-2,6-Dinitrobenzene	179		7.131					
138 1,4-Dimethyl-2,3-Dinitrobenzene	77		7.158					
132 1-Naphthylamine	143		7.171					
133 2,3,4,6-Tetrachlorophenol	232		7.186					
134 Hexadecane	57		7.191					
140 1,2-Dimethyl-3,6-Dinitrobenzene	179		7.222					
137 Diethyl phthalate	149		7.228					
136 2-Naphthylamine	143		7.235					
139 Thionazin	97		7.304					
147 1,5-Dimethyl-2,4-Dinitrobenzene	179		7.345					
141 4-Chlorophenyl phenyl ether	204		7.357					
144 Tributyl phosphate	99		7.375					
142 Fluorene	166		7.383					
143 N-Nitro-o-toluidine	152		7.395					
145 4-Nitroaniline	138		7.405					
146 4,6-Dinitro-2-methylphenol	198		7.410					
152 1,5-Dimethyl-2,3-Dinitrobenzene	179		7.431					
148 N-Nitrosodiphenylamine	169		7.458					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
149 Diphenylamine	169		7.464					
150 Azobenzene	77		7.490					
151 1,2-Diphenylhydrazine	77		7.490					
156 1,2-Dimethyl-3,5-Dinitrobenzene	179		7.527					
154 Sulfotepp	97		7.539					
155 2,4,6 - Tribromophenol	330	7.587	7.592	-0.005	91	318616	96.2	
161 1,2-Dimethyl-3,4-Dinitrobenzene	179		7.650					
158 Diallate Peak 1	86		7.673					
157 1,3,5-Trinitrobenzene	213		7.678					
159 Phorate	121		7.689					
160 Phenacetin	108		7.705					
162 Diallate Peak 2	86		7.758					
163 4-Bromophenyl phenyl ether	248		7.773					
153 n-hydroxymethylphthalimide	147		7.846					
164 Hexachlorobenzene	284	7.849	7.848	0.0	96	134615	19.5	
167 1,2-Dimethyl-4,5-Dinitrobenzene	91		7.853					
165 Dimethoate	87		7.860					
166 Atrazine	200		7.880					
168 n-Octadecane	85		7.960					
169 Pentachlorophenol	266	8.009	8.008	0.001	93	411114	90.6	
170 4-Aminobiphenyl	169		8.009					
172 Pronamide	173		8.015					
171 Pentachloronitrobenzene	237		8.020					
174 Disulfoton	88		8.127					
175 Dinoseb	211		8.132					
176 Phenanthrene	178		8.206					
177 Anthracene	178		8.249					
178 Carbazole	167		8.382					
179 Alachlor	188		8.446					
180 Methyl parathion	109		8.469					
173 Phenyl sulfide	186		8.475					
181 Di-n-butyl phthalate	149		8.612					
182 Ethyl Parathion	109		8.827					
184 Methapyrilene	97		8.955					
183 4-Nitroquinoline-1-oxide	190		8.955					
186 Isodrin	193		9.238					
190 Pyrene	202		9.429					
185 Phenyl disulfide	109		9.515					
188 Benzidine	184		9.584					
187 Fluoranthene	202		9.750					
191 Aramite Peak 1	185		9.815					
189 Diphenylsulfone	125		9.844					
192 Aramite Peak 2	185		9.927					
193 p-Dimethylamino azobenzene	120		10.136					
194 Chlorobenzilate	251		10.178					
195 Octachlorostyrene	308		10.220					
199 4,4-Dichlorobenzil	139		10.602					
196 Famphur	218		10.615					
197 Butyl benzyl phthalate	149		10.696					
198 3,3'-Dimethylbenzidine	212		10.750					
201 Bis(4-chlorophenyl)disulfide	143		10.831					
203 p-chlorophenyl sulfone	159		10.896					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/ml	Flags
200 2-Acetylaminofluorene	181		11.268					
202 Bis(2-ethylhexyl) phthalate	149		11.903					
204 3,3'-Dichlorobenzidine	252		11.924					
205 4,4'-Methylene bis(2-chloroanili	231		11.936					
206 Benzo[a]anthracene	228		11.972					
207 Chrysene	228		12.063					
209 6-Methylchrysene	242		13.239					
208 Di-n-octyl phthalate	149		13.735					
213 Hexachlorophene	196		14.608					
211 Benzo[b]fluoranthene	252		14.943					
210 7,12-Dimethylbenz(a)anthracene	256		14.949					
212 Benzo[k]fluoranthene	252		15.028					
214 Benzo[e]pyrene	252		15.813					
215 Benzo[a]pyrene	252		15.979					
216 Perylene	252		16.301					
217 3-Methylcholanthrene	268		17.134					
218 Tris(2,3-dibromopropyl)phosphate	119		17.856					
219 Dibenz[a,h]acridine	279		18.955					
220 Dibenz[a,j]acridine	279		19.100					
222 Indeno[1,2,3-cd]pyrene	276		19.483					
221 Dibenz(a,h)anthracene	278		19.542					
223 Benzo[g,h,i]perylene	276		19.996					
224 Dibenzo[a,e]pyrene	302		22.819					
23 2-Phenoxyethanol	1		0.0					
21 2,6-Dimethylphenol	1		0.0					
22 2-Butoxyethanol	1		0.0					
20 1,2,3,4-Tetrahydronaphthalene	1		0.0					
89 4,4'-DDE	246		6.632					
81 4,4'-DDD	235		6.752					
90 4,4'-DDT	235		6.960					
S 225 Total Cresols	108				0		136.1	
S 226 Methyl Phenols,Total	108				0		136.1	
S 227 Isosafrole	162		15.496					
S 228 Diallate	86		15.496					
S 229 Aramite, Total	185		15.496					
S 230 Phthalic acid	148		19.689					
T 14 Tetrachlorodibenzo-p-dioxin TIC	1		0.0					
T 15 Pentachlorodibenzofurans TIC	1		0.0					
T 16 Tetrachlorodibenzofurans TIC	1		0.0					
T 17 Hexachlorodibenzofurans TIC	1		0.0					
T 18 Octadecane (TIC)	1		0.0					
T 19 Hexachlorodibenzo-p-dioxin TIC	1		0.0					
T 24 Pentachlorodibenzo-p-dioxin TIC	1		0.0					

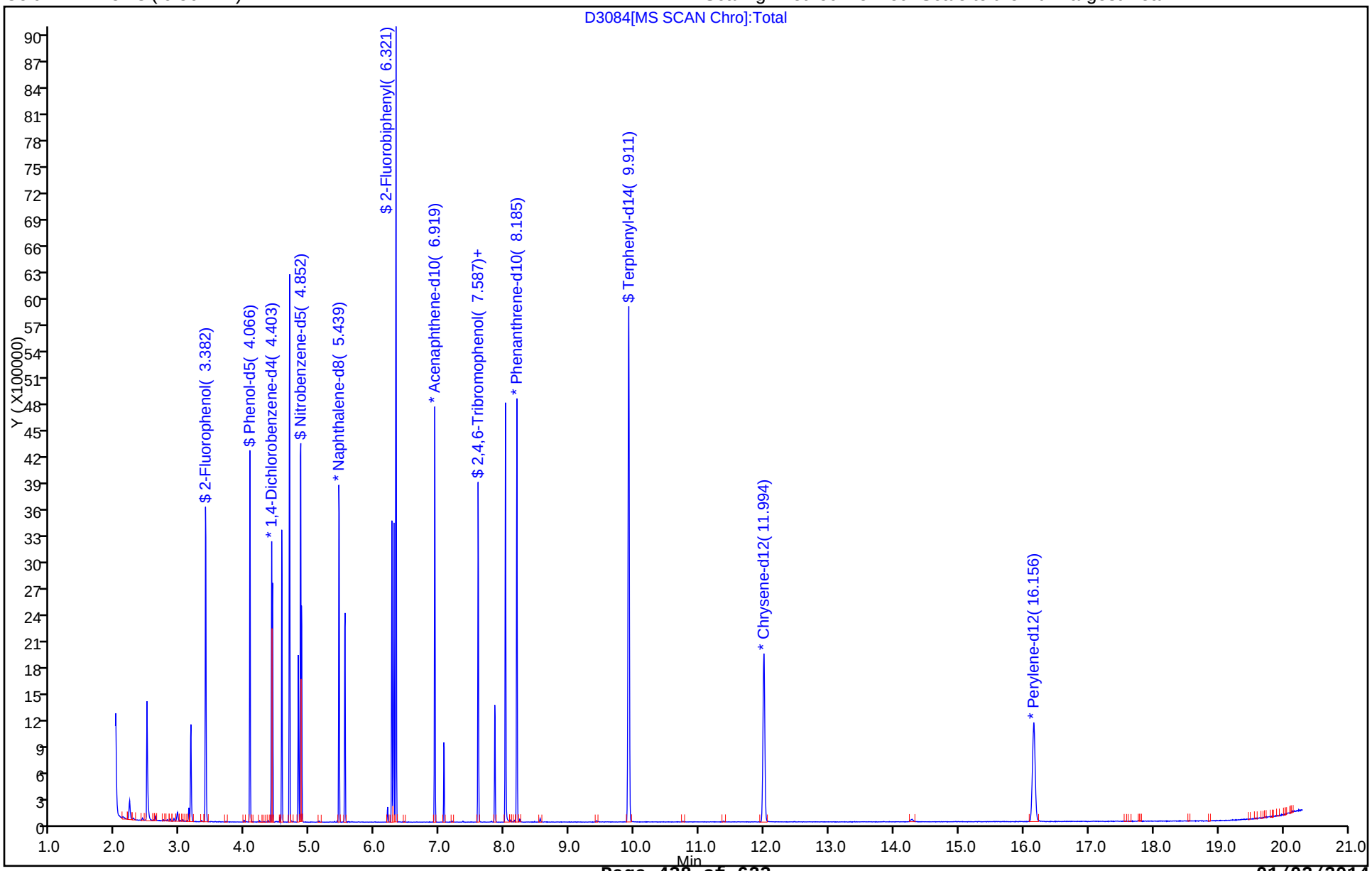
Report Date: 30-Dec-2013 11:13:24 Chrom Revision: 2.1 15-Oct-2013 07:52:24

TestAmerica Denver

Data File: \\Denchrom\ChromData\SMS_D\20131227-18621.b\D3084.D

Injection Date:	27-Dec-2013 18:50:30	Instrument ID:	SMS_D	Operator ID:	hoffmanm
Lims ID:	280-50385-A-1-E MSD	Lab Sample ID:	280-50385-1	Worklist Smp#:	26
Client ID:					
Injection Vol:	0.5 ul	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	SMSD_8270C	Limit Group:	MSSV - 8270C_625		

Column: VF-5ms (0.50 mm) Y Scaling: Method Defined: Scale to the Nth Largest Peak: 1



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: SMS_D Start Date: 12/26/2013 08:17

Analysis Batch Number: 206625 End Date: 12/26/2013 13:06

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-206625/1		12/26/2013 08:17	1	D3013.D	Vf-5MS (30.25) 0.25(mm)
IC 280-206625/2		12/26/2013 08:32	1	D3014.D	Vf-5MS (30.25) 0.25(mm)
IC 280-206625/3		12/26/2013 08:59	1	D3015.D	Vf-5MS (30.25) 0.25(mm)
IC 280-206625/4		12/26/2013 09:27	1	D3016.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-206625/5		12/26/2013 09:54	1	D3017.D	Vf-5MS (30.25) 0.25(mm)
IC 280-206625/6		12/26/2013 10:22	1	D3018.D	Vf-5MS (30.25) 0.25(mm)
IC 280-206625/7		12/26/2013 10:49	1	D3019.D	Vf-5MS (30.25) 0.25(mm)
IC 280-206625/8		12/26/2013 11:16	1	D3020.D	Vf-5MS (30.25) 0.25(mm)
IC 280-206625/9		12/26/2013 11:44	1	D3021.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-206625/10		12/26/2013 12:11	1	D3022.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-206625/11		12/26/2013 12:39	1	D3023.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-206625/12		12/26/2013 13:06	1	D3024.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: SMS_D Start Date: 12/27/2013 07:35

Analysis Batch Number: 206732 End Date: 12/27/2013 18:50

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-206732/1		12/27/2013 07:35	1	D3059.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-206732/2		12/27/2013 07:50	1	D3060.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-206732/3		12/27/2013 08:18	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 08:42	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 09:10	1		Vf-5MS (30.25) 0.25(mm)
LB 280-206192/1-D		12/27/2013 09:38	1	D3064.D	Vf-5MS (30.25) 0.25(mm)
LCS 280-206192/2-D		12/27/2013 10:05	1	D3065.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 10:33	50		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 11:00	4		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 11:28	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 11:55	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 12:23	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 12:50	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 13:18	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 13:46	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 14:13	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 14:41	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 15:08	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 15:36	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 16:04	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 16:32	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 16:59	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		12/27/2013 17:27	1		Vf-5MS (30.25) 0.25(mm)
280-50385-1	AOI72TCLP01AA	12/27/2013 17:55	1	D3082.D	Vf-5MS (30.25) 0.25(mm)
280-50385-1 MS	AOI72TCLP01AA MS	12/27/2013 18:23	1	D3083.D	Vf-5MS (30.25) 0.25(mm)
280-50385-1 MSD	AOI72TCLP01AA MSD	12/27/2013 18:50	1	D3084.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist

Denver

TestAmerica

Instrument ID and Date: Inst. D 12/27/13 HSL/8270

Check Method Used: Analysis ☐ 625 ☑ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓			✓	
4. Does %D meet criteria for non-CCC compounds?	✓			✓	
5. Isomeric pairs checked for correct peak assignment?	✓			✓	
6. Standards traceability properly documented?	✓			✓	
7. Manual integrations documented and checked?	✓			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	✓			✓	

1st Level Reviewer: _____ Date: 12/27/13

2nd Level Reviewer: _____ Date: 123013

Revision 0
9/28/10
G:\QA\Edit\Forms\Data Review\GCMS SVOA CCV

12/31/13

Injection Log

Directory: C:\HPCHEM\1\data\122713.b

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D3058.D	1.	SCREEN		27 Dec 2013 06:58
2	1	D3059.D	1.	DFTPP		✓27 Dec 2013 07:35
3	2	D3060.D	1.	CCV HSLA080		27 Dec 2013 07:50
4	3	D3061.D	1.	CCV BZHD080		27 Dec 2013 08:18
5	4	D3062.D	1.	mb280-206431_1-a	206431	27 Dec 2013 08:42
6	5	D3063.D	1.	lcs280-206431_2-a	206431	27 Dec 2013 09:10
7	6	D3064.D	1.	lb280-206192_1-d	206455	27 Dec 2013 09:38
8	7	D3065.D	1.	lcs280-206192_2-d	206455	27 Dec 2013 10:05
9	8	D3066.D	1.	280-50537-a-1-a 50X-DL	206221	27 Dec 2013 10:33
10	9	D3067.D	1.	280-50536-d-1-a 4X-DL	206221	27 Dec 2013 11:00
11	10	D3068.D	1.	280-50513-a-1-e	206431	27 Dec 2013 11:28
12	11	D3069.D	1.	280-50513-a-2-c	206431	27 Dec 2013 11:55
13	12	D3070.D	1.	280-50513-a-3-c	206431	27 Dec 2013 12:23
14	13	D3071.D	1.	280-50513-a-4-c	206431	27 Dec 2013 12:50
15	14	D3072.D	1.	280-50514-a-1-c	206431	27 Dec 2013 13:18
16	15	D3073.D	1.	280-50514-a-1-dms	206431	27 Dec 2013 13:46
17	16	D3074.D	1.	280-50514-a-1-emsd	206431	27 Dec 2013 14:13
18	17	D3075.D	1.	280-50514-a-2-c	206431	27 Dec 2013 14:41
19	18	D3076.D	1.	280-50514-a-3-c	206431	27 Dec 2013 15:08
20	19	D3077.D	1.	280-50514-a-4-c	206431	27 Dec 2013 15:36
21	20	D3078.D	1.	720-54390-b-1-g	206455	27 Dec 2013 16:04
22	21	D3079.D	1.	720-54390-b-2-e	206455	27 Dec 2013 16:32
23	22	D3080.D	1.	720-54390-b-3-g	206455	27 Dec 2013 16:59
24	23	D3081.D	1.	720-54390-b-4-e	206455	27 Dec 2013 17:27
25	24	D3082.D	1.	280-50385-a-1-c	206455	27 Dec 2013 17:55
26	25	D3083.D	1.	280-50385-a-1-dms	206455	27 Dec 2013 18:23
27	26	D3084.D	1.	280-50385-a-1-emsd	206455	✓27 Dec 2013 18:50
28	27	D3085.D	1.	PRIMER		27 Dec 2013 19:18
29	27	D3086.D	1.	PRIMER		27 Dec 2013 19:46
30	27	D3087.D	1.	PRIMER		27 Dec 2013 20:14
31	27	D3088.D	1.	PRIMER		27 Dec 2013 20:42
32	27	D3089.D	1.	PRIMER		27 Dec 2013 21:10
33	28	D3090.D	1.	PRIMER		27 Dec 2013 21:37
34	28	D3091.D	1.	PRIMER		27 Dec 2013 22:05
35	28	D3092.D	1.	PRIMER		27 Dec 2013 22:33
36	28	D3093.D	1.	PRIMER		27 Dec 2013 23:00
37	28	D3094.D	1.	PRIMER		27 Dec 2013 23:28
38	98	D3095.D	1.	RINSE		27 Dec 2013 23:56
39	99	D3096.D	1.	RINSE		28 Dec 2013 00:24
40	100	D3097.D	1.	RINSE		28 Dec 2013 00:51
41	98	D3098.D	1.	RINSE		28 Dec 2013 01:19
42	99	D3099.D	1.	RINSE		28 Dec 2013 01:47
43	100	D3100.D	1.	RINSE		28 Dec 2013 02:15

Diluent Solvent Lot # 51144

Circle: ~~SOP: DV-MS-0011 (8270C/625)~~ **or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)**

Daily Maintenance Performed: Cut Col / replace liner, gold seal, septa

12/31/13

GC/MS TALS Initial Calibration Review Checklist

TestAmerica Denver

Instrument ID and Date: Inst. D HSL 12/26/13

Calibration Event 16605 Batch 206625

Check Analysis Method Used: ☑ 625 ☑ 8270C ☐ 8270D ☐ 8270-SIM ☐ 8270_LL ☐ Other SV _____

Review Items	Level 1 - Yes	Level 1 - No	Level 1 - N/A	Level 2	Comments
TALS Initial Calibration					
1. DFTPP meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the CHROM source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points <RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. If RRF used for ICAL, were all compounds within 15%?			✓	NA	List all exceptions below (cpd & RSD)
8. Response factors/CCC meet criteria?	✓			✓	
9. Isomeric pairs checked for correct peak assignment?	✓			✓	
10. Data checked for detector saturation?	✓			✓	
11. Standards traceability properly documented (including COA)?	✓			✓	
12. 2nd Source ICV recovery 80-120% (± 20% drift) for DoD projects, 65-135% (± 35% or ± 55% of expected for poor performers) for 8270C non-DoD, 70-130% 8270D non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: MH Date: 12/27/13

2nd Level Reviewer: [illegible] Date: 12/27/13

Revision 3
1/14/2013
G:\QA\Edit\Forms\Data Review\GCMS SVOA TALS ICAL Review

Injection Log

Directory: C:\HPCHEM\1\data\122613H.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	D3012.D	1.	RINSE		26 Dec 2013 07:52
2	1	D3013.D	1.	DFTPP		26 Dec 2013 08:17
3	2	D3014.D	1.	IC HSLA200		26 Dec 2013 08:32
4	3	D3015.D	1.	IC HSLA160		26 Dec 2013 08:59
5	4	D3016.D	1.	IC HSLA120		26 Dec 2013 09:27
6	5	D3017.D	1.	IC HSLA080		26 Dec 2013 09:54
7	6	D3018.D	1.	IC HSLA050		26 Dec 2013 10:22
8	7	D3019.D	1.	IC HSLA020		26 Dec 2013 10:49
9	8	D3020.D	1.	IC HSLA010		26 Dec 2013 11:16
10	9	D3021.D	1.	IC HSLA004		26 Dec 2013 11:44
11	10	D3022.D	1.	ICV HSLB2		26 Dec 2013 12:11
12	11	D3023.D	1.	ICV HSLB1B3		26 Dec 2013 12:39
13	12	D3024.D	1.	ICV FAMSSV		26 Dec 2013 13:06

12/27/13

Diluent Solvent Lot# NA

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: Front End Maint.

12/27/13

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206192 Batch Start Date: 12/20/13 17:15 Batch Analyst: Wiggins, Joshua J

Batch Method: 1311 Batch End Date: 12/21/13 09:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-206192/1		1311, 3510C, 8270C		T1					
LCS 280-206192/2		1311, 3510C, 8270C		T1					
280-50385-A-1	AOI72TCLP01AA	1311, 3510C, 8270C	P	T1					

Batch Notes	
First End time	12/21/13 09:25
First Start time	12/20/13 17:15

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206455 Batch Start Date: 12/23/13 21:42 Batch Analyst: Munch, Robert J

Batch Method: 3510C Batch End Date: 12/24/13 12:40

Lab Sample ID	Client Sample ID	Method Chain	Basis	ReceivedpH	InitialAmount	FinalAmount	FirstAdjustpH	SecondAdjustpH	8270Surrogate 00065
LB 280-206192/1-A		3510C, 8270C		6	200 mL	1000 uL	1-2	14	1 mL
LCS 280-206192/2-A		3510C, 8270C		6	200 mL	1000 uL	1-2	14	1 mL
280-50385-A-1-A	AOI72TCLP01AA	3510C, 8270C	P	6	200 mL	1000 uL	1-2	14	1 mL
280-50385-A-1-A MS	AOI72TCLP01AA	3510C, 8270C	P	6	200 mL	1000 uL	1-2	14	1 mL
280-50385-A-1-A MSD	AOI72TCLP01AA	3510C, 8270C	P	6	200 mL	1000 uL	1-2	14	1 mL

Lab Sample ID	Client Sample ID	Method Chain	Basis	8270TCLPSpike 00033					
LB 280-206192/1-A		3510C, 8270C							
LCS 280-206192/2-A		3510C, 8270C		1 mL					
280-50385-A-1-A	AOI72TCLP01AA	3510C, 8270C	P						
280-50385-A-1-A MS	AOI72TCLP01AA	3510C, 8270C	P	1 mL					
280-50385-A-1-A MSD	AOI72TCLP01AA	3510C, 8270C	P	1 mL					

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206455 Batch Start Date: 12/23/13 21:42 Batch Analyst: Munch, Robert J

Batch Method: 3510C Batch End Date: 12/24/13 12:40

Batch Notes	
Acid used for pH adjustment	1:1 H2SO4
Acid used for pH adjust Lot #	1:1 H2SO4_00025
Base used for pH adjustment	10N_NaOH
Base used for pH adjust Lot #	10N_NaOH_00035
Batch Comment	DV-OP-0006/0007
Person's name who did the concentration	Adams, A / Curley, N
Final Concentrator Volume	1 mL
Na2SO4 Lot Number	0000049014_00013
NaCL Lot #	0000059796
Oven, Bath or Block Temperature 1	B @ 84
Pipette ID	L
Prep Solvent Lot #	MeCl2_Cycl_00141
Prep Solvent Name	MeCl2
Prep Solvent Volume Used	180 mL
Person's name who did the prep	Munch, R
Person's name who witnessed reagent drop	Reviewer: Ian McKittrick
Sufficient volume for MS/MSD?	YES
Uncorrected Temperature	84 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG No.: 294

Project: Griffiss AFB Unknown #2

Client Sample ID	Lab Sample ID
AOI72TCLP01AA	280-50385-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS - TCLP

Client Sample ID: AOI72TCLP01AA
Lab Sample ID: 280-50385-1
Lab Name: TestAmerica Denver
Job No.: 280-50385-1
SDG ID.: 294
Matrix: Solid
Date Sampled: 12/13/2013 11:45
Reporting Basis: WET
Date Received: 12/17/2013 09:45

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Arsenic	0.026	0.50	0.065	0.022	mg/L	J		1	6010B
Barium	0.51	1.0	0.013	0.0020	mg/L	J		1	6010B
Cadmium	0.0026	0.10	0.0070	0.0020	mg/L	J		1	6010B
Chromium	0.0045	0.50	0.0045	0.0030	mg/L	U		1	6010B
Lead	0.019	0.50	0.035	0.013	mg/L	J		1	6010B
Selenium	0.075	0.10	0.075	0.024	mg/L	U		1	6010B
Silver	0.015	0.50	0.015	0.0040	mg/L	U		1	6010B
Mercury	0.000080	0.0020	0.000080	0.000030	mg/L	U		1	7470A

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

ICV Source: ICP ICVL_00111 Concentration Units: mg/L

CCV Source: ICP CCVL_00360

Analyte	ICV 280-207248/7 01/02/2014 09:29				CCV 280-207248/90 01/02/2014 13:06				CCV 280-207248/91 01/02/2014 13:08			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	0.257	J	0.250	103	1.08		1.00	108	1.08		1.00	108
Barium	0.252	J	0.250	101	0.523	J	0.500	105	0.525	J	0.500	105
Cadmium	0.251		0.250	100	0.513		0.500	103	0.512		0.500	102
Chromium	0.256	J	0.250	102	0.542		0.500	108	0.542		0.500	108
Lead	0.259	J	0.250	104	1.04		1.00	104	1.04		1.00	104
Selenium	0.501		0.500	100	1.02		1.00	102	1.01		1.00	101
Silver	0.253	J	0.250	101	0.552		0.500	110	0.550		0.500	110

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

ICV Source: ICP ICVL_00111 Concentration Units: mg/L

CCV Source: ICP CCVL_00360

Analyte	CCV 280-207248/103 01/02/2014 13:39				CCV 280-207248/104 01/02/2014 13:41							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	1.07		1.00	107	1.07		1.00	107				
Barium	0.530	J	0.500	106	0.523	J	0.500	105				
Cadmium	0.507		0.500	101	0.508		0.500	102				
Chromium	0.541		0.500	108	0.542		0.500	108				
Lead	1.04		1.00	104	1.04		1.00	104				
Selenium	1.00		1.00	100	1.00		1.00	100				
Silver	0.552		0.500	110	0.546		0.500	109				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

ICV Source: Hg H20 ICV_00644 Concentration Units: mg/L

CCV Source: Hg H2O CCV_00630

Analyte	ICV 280-207048/8 12/30/2013 13:17				CCV 280-207048/129 12/30/2013 17:56				CCV 280-207048/137 12/30/2013 18:15			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	0.00387		0.00400	97	0.00487		0.00500	97	0.00488		0.00500	98

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Method: 6010B Instrument ID: MT_025

Lab Sample ID: CRI 280-207248/12 Concentration Units: mg/L

CRQL Check Standard Source: ICP RL STD_01076

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Cadmium	0.00500	0.00600	J	120	80-120
Chromium	0.0100	0.0120	J	120	80-120
Lead	0.00300	0.035	U	106	80-120
Selenium	0.0100	0.075	U	84	80-120
Silver	0.0100	0.0116	J	116	80-120

Lab Sample ID: CRI 280-207248/13 Concentration Units: mg/L

CRQL Check Standard Source: ICP alt RL_00019

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Arsenic	0.0150	0.065	U	99	80-120
Barium	0.00500	0.00504	J	101	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Concentration Units: mg/L

Analyte	RL	ICB 280-207248/11 01/02/2014 09:39		CCB 280-207248/92 01/02/2014 13:11		CCB 280-207248/105 01/02/2014 13:44			
		Found	C	Found	C	Found	C	Found	C
Arsenic	0.50	0.065	U	0.065	U	0.065	U		
Barium	1.0	0.013	U	0.013	U	0.013	U		
Cadmium	0.10	0.0070	U	0.0070	U	0.0070	U		
Chromium	0.50	0.0045	U	0.0045	U	0.0045	U		
Lead	0.50	0.035	U	0.035	U	0.035	U		
Selenium	0.10	0.075	U	0.075	U	0.075	U		
Silver	0.50	0.015	U	0.015	U	0.015	U		

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Concentration Units: mg/L

Analyte	RL	ICB 280-207048/9 12/30/2013 13:19		CCB 280-207048/130 12/30/2013 17:59		CCB 280-207048/138 12/30/2013 18:17			
		Found	C	Found	C	Found	C	Found	C
Mercury	0.0020	0.000080	U	0.000080	U	0.000080	U		

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Concentration Units: mg/L Lab Sample ID: LB 280-206192/1-E

Instrument Code: MT_025 Batch No.: 207248

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.065	U		6010B
7440-39-3	Barium	0.0317	J		6010B
7440-43-9	Cadmium	0.0070	U		6010B
7440-47-3	Chromium	0.0045	U		6010B
7439-92-1	Lead	0.035	U		6010B
7782-49-2	Selenium	0.075	U		6010B
7440-22-4	Silver	0.015	U		6010B

3-IN
METHOD BLANK
METALS - TCLP

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Concentration Units: mg/L Lab Sample ID: LB 280-206192/1-F

Instrument Code: MT_033 Batch No.: 207048

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.000080	U		7470A

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: ICSA 280-207248/14 Instrument ID: MT_025

Lab File ID: 25a010214.asc ICS Source: ICP ICSA_00081

Concentration Units: mg/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-0.0038**	
Barium		**0.0004**	
Cadmium		**0.0006**	
Chromium		**0.0021**	
Lead		**0.0013**	
Selenium		**0.0104**	
Silver		**0.0000**	
Aluminum	*500*	*516*	*103*
Antimony		*0.0039*	
Beryllium		*-0.0001*	
Boron		*0.0000*	
Calcium	*500*	*471*	*94*
Cobalt		*-0.0012*	
Copper		*0.0026*	
Iron	*200*	*190*	*95*
Lithium		*-0.0033*	
Magnesium	*500*	*506*	*101*
Manganese		*0.0011*	
Molybdenum		*-0.0005*	
Nickel		*0.0065*	
Phosphorus		*-0.0067*	
Potassium		*-0.0861*	
Silicon		*0.0134*	
Sodium		*0.0570*	
Strontium		*0.0154*	
Thallium		*-0.0021*	
Tin		*0.0003*	
Titanium		*-0.0001*	
Vanadium		*0.0034*	
Zinc		*-0.0046*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Lab Sample ID: ICSAB 280-207248/15 Instrument ID: MT_025

Lab File ID: 25a010214.asc ICS Source: ICP ICSAB_00075

Concentration Units: mg/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**2.00**	**1.96**	**98**
Barium	**0.500**	**0.491**	**98**
Cadmium	**1.00**	**0.993**	**99**
Chromium	**0.500**	**0.461**	**92**
Lead	**1.00**	**0.890**	**89**
Selenium	**5.00**	**4.76**	**95**
Silver	**1.00**	**1.07**	**107**
Aluminum	*500*	*486*	*97*
Antimony	*1.00*	*0.971*	*97*
Beryllium	*0.500*	*0.465*	*93*
Boron	*2.00*	*1.83*	*92*
Calcium	*500*	*441*	*88*
Cobalt	*0.500*	*0.441*	*88*
Copper	*0.500*	*0.504*	*101*
Iron	*200*	*179*	*90*
Lithium	*1.00*	*1.02*	*102*
Magnesium	*500*	*475*	*95*
Manganese	*0.500*	*0.474*	*95*
Molybdenum	*1.00*	*0.902*	*90*
Nickel	*1.00*	*0.893*	*89*
Phosphorus	*2.00*	*1.86*	*93*
Potassium	*50.0*	*50.9*	*102*
Silicon	*10.0*	*9.38*	*94*
Sodium	*50.0*	*50.0*	*100*
Strontium	*1.00*	*0.963*	*96*
Thallium	*10.0*	*8.06*	*81*
Tin	*10.0*	*8.55*	*86*
Titanium	*1.00*	*0.947*	*95*
Vanadium	*0.500*	*0.483*	*97*
Zinc	*1.00*	*0.927*	*93*

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

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: AOI72TCLP01AA MS
Lab ID: 280-50385-1 MS
Lab Name: TestAmerica Denver
Job No.: 280-50385-1
SDG No.: 294
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	4.51		0.026	J	4.00	112	80-120		6010B
Barium	13.4		0.51	J	12.0	107	80-120		6010B
Cadmium	1.16		0.0026	J	1.10	105	80-120		6010B
Chromium	5.63		0.0045	U	5.20	108	80-120		6010B
Lead	5.61		0.019	J	5.50	102	80-120		6010B
Selenium	3.13		0.075	U	3.00	104	80-120		6010B
Silver	1.19		0.015	U	1.05	114	80-120		6010B
Mercury	0.00514		0.000080	U	0.00500	103	90-116		7470A

SSR = Spiked Sample Result

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

FORM VA - IN

5A-IN
MATRIX SPIKE DUPLICATE SAMPLE RECOVERY
METALS - TCLP

Client ID: AOI72TCLP01AA MSD
Lab ID: 280-50385-1 MSD
Lab Name: TestAmerica Denver
Job No.: 280-50385-1
SDG No.: 294
Matrix: Solid
Concentration Units: mg/L
% Solids:

Analyte	(SDR)	C	Spike Added (SA)	%R	Control Limit %R	RPD	RPD Limit	Q	Method
Arsenic	4.64		4.00	115	80-120	3	20		6010B
Barium	13.5		12.0	108	80-120	1	20		6010B
Cadmium	1.19		1.10	108	80-120	3	20		6010B
Chromium	5.79		5.20	111	80-120	3	20		6010B
Lead	5.75		5.50	104	80-120	2	20		6010B
Selenium	3.24		3.00	108	80-120	3	20		6010B
Silver	1.21		1.05	115	80-120	1	20		6010B
Mercury	0.00520		0.00500	104	90-116	1	10		7470A

SDR = Sample Duplicate Result

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

FORM VD - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS - TCLP

Client ID: AOI72TCLP01AA PDS
Lab ID: 280-50385-1 PDS
Lab Name: TestAmerica Denver
Job No.: 280-50385-1
SDG No.: 294
Matrix: Solid
Concentration Units: mg/L

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	1.21		0.026	J	0.980	121	75-125		6010B
Barium	1.03		0.51	J	0.490	104	75-125		6010B
Cadmium	0.281		0.0026	J	0.245	114	75-125		6010B
Chromium	0.289	J	0.0045	U	0.245	118	75-125		6010B
Lead	0.546		0.019	J	0.490	108	75-125		6010B
Selenium	1.09		0.075	U	0.980	111	75-125		6010B
Silver	0.291	J	0.015	U	0.245	119	75-125		6010B

SSR = Spiked Sample Result

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

FORM VB - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-206192/2-E

Lab Name: TestAmerica Denver Job No.: 280-50385-1

Sample Matrix: Solid LCS Source: TCLP Spike_00009

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	4.00	4.59		115	80	120		6010B
Barium	12.0	13.1		109	80	120		6010B
Cadmium	1.10	1.19		108	80	120		6010B
Chromium	5.20	5.79		111	80	120		6010B
Lead	5.50	5.75		105	80	120		6010B
Selenium	3.00	3.22		107	80	120		6010B
Silver	1.05	1.21		115	80	120		6010B

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS - TCLP

Lab ID: LCS 280-206192/2-F

Lab Name: TestAmerica Denver Job No.: 280-50385-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00973

Analyte	Solid(mg/L)							
	True	Found	C	%R	Limits		Q	Method
Mercury	0.00500	0.00524		105	90	116		7470A

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

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-50385-1

SDG No: 294

Lab Name: TestAmerica Denver Job No: 280-50385-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.026	J	0.33	U	NC		6010B
Barium	0.51	J	0.533	J	3.6	D	6010B
Cadmium	0.0026	J	0.035	U	NC		6010B
Chromium	0.0045	U	0.023	U	NC		6010B
Lead	0.019	J	0.18	U	NC		6010B
Selenium	0.075	U	0.38	U	NC		6010B
Silver	0.015	U	0.075	U	NC		6010B

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

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS - TCLP

Lab ID: 280-50385-1

SDG No: 294

Lab Name: TestAmerica Denver Job No: 280-50385-1

Matrix: Solid Concentration Units: mg/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.000080	U	0.00040	U	NC		7470A

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

FORM VIII-IN

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG Number: 294

Matrix: Solid Instrument ID: MT_025

Method: 6010B DL Date: 03/09/2011 13:58

Prep Method: 3010A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Arsenic	189	0.5	0.022
Barium	455.4	1	0.002
Cadmium	228.8	0.1	0.002
Chromium	205.5	0.5	0.003
Lead	220.3	0.5	0.013
Selenium	196	0.1	0.024
Silver	328	0.5	0.004

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG Number: 294

Matrix: Solid Instrument ID: MT_025

Method: 6010B XMDL Date: 03/09/2011 13:59

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Arsenic		0.5	0.022
Barium		1	0.0025
Cadmium		0.1	0.002
Chromium		0.5	0.003
Lead		0.5	0.013
Selenium		0.1	0.024
Silver		0.5	0.004

9-IN
DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG Number: 294

Matrix: Solid Instrument ID: MT_033

Method: 7470A DL Date: 11/05/2010 15:54

Prep Method: 7470A

Leach Method: 1311

Analyte	Wavelength/ Mass	LOQ (mg/L)	DL (mg/L)
Mercury	253.7	0.002	0.00003

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS - TCLP

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG Number: 294

Matrix: Solid Instrument ID: MT_033

Method: 7470A XMDL Date: 11/30/2010 11:27

Analyte	Wavelength/ Mass	XRL (mg/L)	XMDL (mg/L)
Mercury		0.002	0.00003

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG No.: 294

ICP-AES Instrument ID: MT_025 Date: 12/20/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001001	
Aluminum	309.271														
Antimony	206.833		0.000007						-0.000005			0.011357		0.000010	
Arsenic	189.042		-0.000012									-0.007296		-0.000024	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061		-0.000012			-0.000294			-0.000016			0.001419		0.000120	
Boron	208.959														
Cadmium	228.802			0.002467		-0.000092					0.000036			-0.000013	
Calcium	317.933										0.000391				
Chromium	205.552						-0.000724							-0.000038	
Cobalt	228.616					-0.000021						-0.000046			
Copper	324.754														
Iron	259.940										0.070287				
Iron	271.441										0.070287				
Lead	220.353		-0.000061						0.000007		-0.000010		0.000134	0.000034	
Lithium	670.784								0.000009						
Magnesium	279.079													-0.000175	
Manganese	257.610		0.000001											0.000011	
Molybdenum	202.030														
Nickel	231.604						0.000034		-0.000002		-0.000053			0.000034	
Phosphorus	178.284		-0.000005												
Potassium	766.490														
Selenium	196.090		0.000021						-0.000001					0.000006	
Silicon	288.158											-0.016952			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000049						
Sulfur	182.034		-0.000022						-0.000025						

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG No.: 294

ICP-AES Instrument ID: MT_025 Date: 12/20/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856		0.000001								0.004069	0.000274			
Thorium	283.730											-0.000153		0.000876	
Tin	189.989														
Titanium	334.904								0.000005			0.000157			
Uranium	370.152				-0.03516				-0.000005			-0.001869		0.000415	
Vanadium	292.402											-0.006987		0.000013	
Zinc	206.200		0.000010					0.000509				-0.000468		0.000015	
Zirconium	339.198													-0.000028	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG No.: 294

ICP-AES Instrument ID: MT_025 Date: 12/20/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.001655												
Aluminum	167.079														
Antimony	206.833				-0.000327		0.000025					0.000031		0.00189	
Arsenic	189.042		-0.000006		0.001328										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													-0.001095	
Boron	208.959				0.033560										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000107		0.000009								
Cobalt	228.616			-0.000001	-0.001006		0.000125								
Copper	324.754				0.000205										
Iron	259.940		-0.000894												
Iron	271.441		-0.000894												
Lead	220.353				-0.002073		0.000317					0.000169			
Lithium	670.784		0.000006												
Magnesium	279.079			-0.001330	-0.004610										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604				0.000080										
Phosphorus	178.284				-0.005388										
Potassium	766.490														
Selenium	196.090			0.000570											
Silicon	288.158				-0.000510										
Silver	328.068			0.000183	-0.000074										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.003725	-0.006321										

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG No.: 294

ICP-AES Instrument ID: MT_025 Date: 12/20/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000859											
Thorium	283.730		-0.000015		0.000056		0.000237								
Tin	189.989														
Titanium	334.904		0.000002		0.001119										
Uranium	370.152														
Vanadium	292.402			-0.001054	-0.000177										
Zinc	206.200				0.000123										
Zirconium	339.198				0.000752										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG No.: 294

ICP-AES Instrument ID: MT_025 Date: 12/20/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833		0.000259		-0.002129	0.000091		-0.001105							
Arsenic	189.042	-0.000781													
Barium	455.403							0.001086							
Beryllium	313.042		-0.000285			0.000618									
Bismuth	223.061		-0.005621		-0.003951										
Boron	208.959														
Cadmium	228.802				-0.000206										
Calcium	317.933	-0.003260													
Chromium	205.552	0.000009			-0.000025										
Cobalt	228.616		0.002052		0.000149										
Copper	324.754	0.001914	0.000011		-0.000115	-0.000316		-0.002277							
Iron	259.940					-0.209500									
Iron	271.441					-0.209500									
Lead	220.353		-0.000522		0.000701			-0.000255							
Lithium	670.784														
Magnesium	279.079	-0.041014	-0.001688		-0.008620										
Manganese	257.610	-0.000496			0.000075										
Molybdenum	202.030				-0.000130										
Nickel	231.604														
Phosphorus	178.284				0.000099										
Potassium	766.490														
Selenium	196.090	0.000088		-0.000481	-0.000220										
Silicon	288.158														
Silver	328.068	0.000323			0.000970			0.005844							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034	0.000111				0.000164									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-50385-1

SDG No.: 294

ICP-AES Instrument ID: MT_025 Date: 12/20/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856	-0.000203	-0.000892		-0.000304	-0.019465									
Thorium	283.730				0.022201			0.022111							
Tin	189.989	0.000011	-0.001792		0.000185										
Titanium	334.904	0.006757			-0.000569										
Uranium	370.152		0.004659												
Vanadium	292.402	0.001293	0.001093		-0.001122										
Zinc	206.200		0.000066												
Zirconium	339.198	0.03149			-0.000178										

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-50385-1

SDG No.: 294

Instrument ID: MT_025 Date: 10/19/2013 09:44

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Arsenic		50	6010B
Barium		50	6010B
Cadmium		25	6010B
Chromium		50	6010B
Lead		200	6010B
Selenium		50	6010B
Silver		2.5	6010B

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Prep Method: 3010A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-206192/1-E	12/26/2013 12:15	206491		10	50
LCS 280-206192/2-E	12/26/2013 12:15	206491		10	50
280-50385-1	12/26/2013 12:15	206491		10	50
280-50385-1 MS	12/26/2013 12:15	206491		10	50
280-50385-1 MSD	12/26/2013 12:15	206491		10	50

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Prep Method: 7470A

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight	Initial Volume (mL)	Final Volume (mL)
LB 280-206192/1-F	12/30/2013 09:45	206671		30	30
LCS 280-206192/2-F	12/30/2013 09:45	206671		30	30
280-50385-1	12/30/2013 09:45	206671		30	30
280-50385-1 MS	12/30/2013 09:45	206671		30	30
280-50385-1 MSD	12/30/2013 09:45	206671		30	30

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: MT_025 Method: 6010B

Start Date: 01/02/2014 09:14 End Date: 01/02/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ICIS 280-207248/1	1		09:14	X	X	X	X	X	X	X													
IC 280-207248/2			09:16	X	X	X	X	X	X	X													
IC 280-207248/3			09:18	X	X	X	X	X	X	X													
ZZZZZZ			09:21																				
ZZZZZZ			09:23																				
ICVH 280-207248/6	1		09:25	X	X	X	X	X	X	X													
ICV 280-207248/7	1		09:29	X	X	X	X	X	X	X													
ICVL 280-207248/8			09:32																				
CCVH 280-207248/9			09:34																				
CCV 280-207248/10			09:37																				
ICB 280-207248/11	1		09:39	X	X	X	X	X	X	X													
CRI 280-207248/12	1		09:42	X			X	X	X	X													
CRI 280-207248/13	1		09:49		X	X																	
ICSA 280-207248/14	1		09:54	X	X	X	X	X	X	X													
ICSAB 280-207248/15	1		09:57	X	X	X	X	X	X	X													
LRA 280-207248/16			09:59																				
CCVH 280-207248/17			10:02																				
CCV 280-207248/18			10:05																				
CCB 280-207248/19			10:07																				
ZZZZZZ			10:09																				
ZZZZZZ			10:11																				
ZZZZZZ			10:14																				
ZZZZZZ			10:16																				
ZZZZZZ			10:18																				
ZZZZZZ			10:21																				
ZZZZZZ			10:23																				
ZZZZZZ			10:26																				
ZZZZZZ			10:29																				
CCVH 280-207248/29			10:31																				
CCV 280-207248/30			10:34																				
CCB 280-207248/31			10:36																				
ZZZZZZ			10:38																				
ZZZZZZ			10:40																				
ZZZZZZ			10:43																				
ZZZZZZ			10:45																				
ZZZZZZ			10:48																				
ZZZZZZ			10:50																				
ZZZZZZ			10:53																				
ZZZZZZ			10:55																				
ZZZZZZ			10:58																				
ZZZZZZ			11:00																				
CCVH 280-207248/42			11:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: MT_025 Method: 6010B

Start Date: 01/02/2014 09:14 End Date: 01/02/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
CCV 280-207248/43			11:04																				
CCB 280-207248/44			11:07																				
CCVL 280-207248/45			11:09																				
ZZZZZZ			11:11																				
ZZZZZZ			11:14																				
ZZZZZZ			11:17																				
ZZZZZZ			11:19																				
ZZZZZZ			11:21																				
ZZZZZZ			11:24																				
ZZZZZZ			11:31																				
CCVH 280-207248/53			11:35																				
CCV 280-207248/54			11:37																				
CCB 280-207248/55			11:39																				
CCVL 280-207248/56			11:42																				
ZZZZZZ			11:44																				
ZZZZZZ			11:46																				
ZZZZZZ			11:48																				
ZZZZZZ			11:51																				
ZZZZZZ			11:53																				
ZZZZZZ			11:55																				
ZZZZZZ			11:58																				
ZZZZZZ			12:00																				
ZZZZZZ			12:03																				
CCVH 280-207248/66			12:05																				
CCV 280-207248/67			12:08																				
CCB 280-207248/68			12:10																				
ZZZZZZ			12:12																				
ZZZZZZ			12:15																				
ZZZZZZ			12:17																				
ZZZZZZ			12:19																				
ZZZZZZ			12:22																				
ZZZZZZ			12:24																				
ZZZZZZ			12:27																				
CCVH 280-207248/76			12:29																				
CCV 280-207248/77			12:32																				
CCB 280-207248/78			12:34																				
ZZZZZZ			12:36																				
ZZZZZZ			12:39																				
ZZZZZZ			12:41																				
ZZZZZZ			12:43																				
ZZZZZZ			12:46																				
ZZZZZZ			12:48																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: MT_025 Method: 6010B

Start Date: 01/02/2014 09:14 End Date: 01/02/2014 14:10

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Cd	Cr	Pb	Se													
ZZZZZZ			12:51																				
ZZZZZZ			12:53																				
CCVH 280-207248/87	1		12:55	X	X	X	X	X	X	X													
ZZZZZZ			12:58																				
CCB 280-207248/89			13:00																				
CCV 280-207248/90	1		13:06	X	X	X	X	X	X	X													
CCV 280-207248/91	1		13:08	X	X	X	X	X	X	X													
CCB 280-207248/92	1		13:11	X	X	X	X	X	X	X													
CCVL 280-207248/93			13:14																				
LB 280-206192/1-E	1	P	13:16	X	X	X	X	X	X	X													
LCS 280-206192/2-E	1	P	13:18	X	X	X	X	X	X	X													
280-50385-1	1	P	13:21	X	X	X	X	X	X	X													
280-50385-1 SD	5	P	13:23	X	X	X	X	X	X	X													
280-50385-1 MS	1	P	13:25	X	X	X	X	X	X	X													
280-50385-1 MSD	1	P	13:28	X	X	X	X	X	X	X													
280-50385-1 PDS	1	P	13:30	X	X	X	X	X	X	X													
CCVH 280-207248/101	1		13:32	X	X	X	X	X	X	X													
ZZZZZZ			13:35																				
CCV 280-207248/103	1		13:39	X	X	X	X	X	X	X													
CCV 280-207248/104	1		13:41	X	X	X	X	X	X	X													
CCB 280-207248/105	1		13:44	X	X	X	X	X	X	X													
ZZZZZZ			13:47																				
ZZZZZZ			13:49																				
ZZZZZZ			13:51																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:58																				
ZZZZZZ			14:01																				
CCVH 280-207248/113			14:03																				
CCV 280-207248/114			14:05																				
CCB 280-207248/115			14:08																				
CCVL 280-207248/116			14:10																				

Prep Types

P = TCLP

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: MT_033 Method: 7470A

Start Date: 12/30/2013 13:01 End Date: 12/30/2013 18:17

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
STD0 280-207048/1 IC			13:01	X																			
STD1 280-207048/2 IC			13:03	X																			
STD2 280-207048/3 IC			13:05	X																			
STD3 280-207048/4 IC			13:08	X																			
STD4 280-207048/5 IC			13:10	X																			
STD5 280-207048/6 IC			13:12	X																			
STD6 280-207048/7 IC			13:15	X																			
ICV 280-207048/8	1		13:17	X																			
ICB 280-207048/9	1		13:19	X																			
CRA 280-207048/10			13:22																				
CCV 280-207048/11			13:24																				
CCB 280-207048/12			13:26																				
ZZZZZZ			13:29																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
ZZZZZZ			13:36																				
ZZZZZZ			13:38																				
ZZZZZZ			13:40																				
ZZZZZZ			13:42																				
ZZZZZZ			13:45																				
ZZZZZZ			13:47																				
ZZZZZZ			13:49																				
CCV 280-207048/23			13:52																				
CCB 280-207048/24			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:59																				
ZZZZZZ			14:01																				
ZZZZZZ			14:03																				
ZZZZZZ			14:06																				
ZZZZZZ			14:08																				
ZZZZZZ			14:10																				
ZZZZZZ			14:12																				
ZZZZZZ			14:15																				
ZZZZZZ			14:17																				
CCV 280-207048/35			14:19																				
CCB 280-207048/36			14:22																				
ZZZZZZ			14:24																				
ZZZZZZ			14:26																				
ZZZZZZ			14:29																				
ZZZZZZ			14:31																				
ZZZZZZ			14:33																				
ZZZZZZ			14:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: MT_033 Method: 7470A

Start Date: 12/30/2013 13:01 End Date: 12/30/2013 18:17

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			14:38																				
ZZZZZZ			14:40																				
ZZZZZZ			14:42																				
ZZZZZZ			14:45																				
CCV 280-207048/47			14:47																				
CCB 280-207048/48			14:49																				
ZZZZZZ			14:52																				
ZZZZZZ			14:54																				
ZZZZZZ			14:56																				
ZZZZZZ			14:59																				
ZZZZZZ			15:01																				
ZZZZZZ			15:03																				
ZZZZZZ			15:06																				
ZZZZZZ			15:08																				
ZZZZZZ			15:10																				
ZZZZZZ			15:12																				
CCV 280-207048/59			15:15																				
CCB 280-207048/60			15:17																				
ZZZZZZ			15:19																				
ZZZZZZ			15:22																				
ZZZZZZ			15:24																				
ZZZZZZ			15:26																				
ZZZZZZ			15:29																				
ZZZZZZ			15:31																				
ZZZZZZ			15:33																				
ZZZZZZ			15:36																				
ZZZZZZ			15:38																				
ZZZZZZ			15:40																				
CCV 280-207048/71			15:42																				
CCB 280-207048/72			15:45																				
ZZZZZZ			15:47																				
ZZZZZZ			15:49																				
ZZZZZZ			15:52																				
ZZZZZZ			15:54																				
ZZZZZZ			15:56																				
ZZZZZZ			15:59																				
ZZZZZZ			16:01																				
ZZZZZZ			16:03																				
ZZZZZZ			16:05																				
ZZZZZZ			16:08																				
CCV 280-207048/83			16:10																				
CCB 280-207048/84			16:12																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: MT_033 Method: 7470A

Start Date: 12/30/2013 13:01 End Date: 12/30/2013 18:17

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			16:15																				
ZZZZZZ			16:17																				
ZZZZZZ			16:19																				
ZZZZZZ			16:22																				
ZZZZZZ			16:24																				
ZZZZZZ			16:26																				
ZZZZZZ			16:29																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
CCV 280-207048/95			16:38																				
CCB 280-207048/96			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:47																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
ZZZZZZ			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:01																				
ZZZZZZ			17:03																				
CCV 280-207048/107			17:06																				
CCB 280-207048/108			17:08																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
CCV 280-207048/119			17:33																				
CCB 280-207048/120			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:40																				
ZZZZZZ			17:43																				
ZZZZZZ			17:45																				
ZZZZZZ			17:47																				
ZZZZZZ			17:50																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Instrument ID: MT_033 Method: 7470A

Start Date: 12/30/2013 13:01 End Date: 12/30/2013 18:17

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			17:52																				
ZZZZZZ			17:54																				
CCV 280-207048/129	1		17:56	X																			
CCB 280-207048/130	1		17:59	X																			
LB 280-206192/1-F	1	P	18:01	X																			
LCS 280-206192/2-F	1	P	18:03	X																			
280-50385-1	1	P	18:06	X																			
280-50385-1 SD	5	P	18:08	X																			
280-50385-1 MS	1	P	18:10	X																			
280-50385-1 MSD	1	P	18:13	X																			
CCV 280-207048/137	1		18:15	X																			
CCB 280-207048/138	1		18:17	X																			

Prep Types

D = Dissolved

P = TCLP

T = Total/NA

Sample Name: ICIS Acquired: 1/2/2014 9:14:19 Type: Cal
Method: 6500_025(v8) Mode: IR Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00202**	**.00126**	**-.01434**	**-.00036**	**.00068**	**.00561**	**-.00005**	**-.00054**	**.01223**	**-.00035**	**-.00017**	**-.00013**	**.00272**
Stddev	.00010	.00009	.00080	.00005	.00005	.00009	.00059	.00008	.00008	.00020	.00004	.00005	.00015
%RSD	5.1337	7.2100	5.5804	14.178	7.7366	1.6101	1209.4	13.869	.63301	57.656	26.753	34.271	5.3312
#1	-.00209	.00119	-.01378	-.00032	.00071	.00567	.00037	-.00049	.01228	-.00050	-.00014	-.00010	.00262
#2	-.00194	.00132	-.01491	-.00039	.00064	.00554	-.00047	-.00060	.01217	-.00021	-.00020	-.00016	.00283

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00012**	**.00070**	**-.00181**	**-.00561**	**.00000**	**.00030**	**-.00003**	**.00616**	**-.01107**	**-.00023**	**.00017**	**.00051**	**-.00039**
Stddev	.00005	.00052	.00080	.00067	.0000	.00008	.00007	.00116	.00107	.00002	.00004	.00009	.00005
%RSD	38.659	74.315	44.245	12.007	459.46	25.732	237.63	18.903	9.6283	9.0580	23.662	17.537	12.948
#1	.00009	.00106	-.00124	-.00609	-.00001	.00025	-.00008	.00698	-.01183	-.00022	.00019	.00057	-.00042
#2	.00015	.00033	-.00238	-.00514	.00001	.00036	.00002	.00534	-.01032	-.00025	.00014	.00045	-.00035

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00051**	**.00015**	**.00012**	**.00012**	**.00017**	**-.00057**	**-.00053**	**-.00009**	**-.00025**	**-.00044**	**.00018**	**.00001**	**-.00120**
Stddev	.00005	.00005	.00025	.00025	.00006	.00009	.00002	.00013	.00003	.00006	.00006	.00000	.00076
%RSD	8.9124	37.050	203.43	203.43	38.044	15.299	4.0728	136.19	12.125	13.148	36.495	15.733	63.220
#1	.00048	.00018	.00029	.00029	.00022	-.00051	-.00055	-.00018	-.00027	-.00048	.00013	.00001	-.00066
#2	.00054	.00011	-.00005	-.00005	.00012	-.00063	-.00052	.00000	-.00023	-.00040	.00022	.00001	-.00174

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8319.6**	**100920.**	**9453.9**
Stddev	4.0	75.	130.8
%RSD	.04786	.07474	1.3831
#1	8322.4	100970.	9546.4
#2	8316.8	100870.	9361.5

Sample Name: ICAL1 Acquired: 1/2/2014 9:16:41 Type: Cal
Method: 6500_025(v8) Mode: IR Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.20653**	**.28220**	**.09570**	**.26417**	**4.5209**	**7.8307**	**1.8739**	**1.4793**	**.91540**	**.93321**	**.31454**	**.77519**	**4.1816**	**1.8511**
Stddev	.00071	.00044	.00007	.00064	.0116	.0206	.0073	.0014	.00104	.00171	.00132	.00379	.0171	.0137
%RSD	.34254	.15568	.07819	.24282	.25628	.26272	.39044	.09610	.11317	.18374	.41874	.48894	.40830	.74103
#1	.20603	.28189	.09565	.26372	4.5127	7.8162	1.8688	1.4803	.91467	.93200	.31361	.77251	4.1696	1.8414
#2	.20704	.28251	.09575	.26462	4.5291	7.8452	1.8791	1.4783	.91613	.93442	.31548	.77787	4.1937	1.8608

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.0491**	**1.1897**	**.56444**	**1.6535**	**.63060**	**.12402**	**.43572**	**.19770**	**.08453**	**.34216**	**.34216**	**.26242**	**8.6723**	**.33379**
Stddev	.0011	.0001	.00019	.0091	.00016	.00004	.00006	.00015	.00017	.00138	.00138	.00020	.0281	.00003
%RSD	.10359	.00758	.03444	.55057	.02483	.03480	.01489	.07358	.20179	.40365	.40365	.07689	.32390	.00888
#1	1.0484	1.1897	.56458	1.6471	.63071	.12405	.43577	.19759	.08465	.34118	.34118	.26228	8.6524	.33377
#2	1.0499	1.1896	.56430	1.6599	.63049	.12399	.43567	.19780	.08441	.34314	.34314	.26256	8.6921	.33382

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.20909**	**.22212**	**.03282**	**.38466**
Stddev	.00026	.00022	.00006	.00229
%RSD	.12386	.09762	.17465	.59530
#1	.20891	.22228	.03278	.38304
#2	.20927	.22197	.03286	.38628

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7959.3**	**95508.**	**9500.0**
Stddev	21.4	165.	28.5
%RSD	.26869	.17299	.29984
#1	7974.5	95391.	9520.2
#2	7944.2	95625.	9479.9

Sample Name: ICAL2 Acquired: 1/2/2014 9:18:51 Type: Cal
Method: 6500_025(v8) Mode: IR Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**4.4071**	**.22693**	**.81174**	**2.5191**	**.35377**	**.55692**	**.11374**
Stddev	.0032	.00066	.00081	.0011	.00103	.00168	.00056
%RSD	.07271	.29151	.10038	.04281	.29231	.30252	.49299
#1	4.4048	.22646	.81117	2.5184	.35304	.55811	.11413
#2	4.4093	.22740	.81232	2.5199	.35450	.55573	.11334

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.1**	**93066.**	**9500.7**
Stddev	3.7	167.	50.7
%RSD	.04756	.17973	.53411
#1	7880.8	93184.	9536.6
#2	7875.5	92947.	9464.9

Sample Name: S1-2440846 Acquired: 1/2/2014 9:21:14 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0199**	**1.0237**	**2.0901**	**1.0295**	**1.0240**	**1.0225**	**-.01457**	**10.301**	**1.0222**	**1.0223**	**1.0244**	**1.0210**	**5.1177**
Stddev	.0030	.0021	.0115	.0003	.0070	.0045	.00086	.008	.0017	.0015	.0003	.0009	.0179
%RSD	.29769	.20294	.55038	.02594	.68084	.43525	5.9088	.07600	.16975	.15106	.02841	.08731	.35035
#1	1.0220	1.0222	2.0819	1.0293	1.0191	1.0194	-.01396	10.295	1.0210	1.0212	1.0242	1.0216	5.1050
#2	1.0177	1.0251	2.0982	1.0297	1.0290	1.0257	-.01518	10.306	1.0234	1.0234	1.0246	1.0203	5.1304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**102.60**	**2.0460**	**40.920**	**1.0241**	**1.0229**	**10.377**	**10.173**	**1.0201**	**2.0478**	**2.0614**	**-.00204**	**2.0621**	**2.0627**
Stddev	.30	.0123	.065	.0008	.0006	.037	.072	.0018	.0095	.0141	.00148	.0056	.0125
%RSD	.29312	.59862	.15975	.08038	.05501	.35247	.71144	.17514	.46170	.68547	72.794	.26899	.60679
#1	102.39	2.0373	40.966	1.0236	1.0233	10.351	10.224	1.0189	2.0411	2.0514	-.00099	2.0582	2.0538
#2	102.82	2.0546	40.874	1.0247	1.0225	10.402	10.122	1.0214	2.0545	2.0714	-.00309	2.0660	2.0715
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.232**	**21.897**	**2.0387**	**1.0260**	**-.01190**	**1.0201**	**2.0490**	**.04365**	**1.0188**	**1.0260**	**1.0283**
Stddev	.021	.046	.0112	.0010	.00155	.0000	.0106	.00502	.0001	.0013	.0012
%RSD	.20834	.20834	.54957	.09757	13.034	.00327	.51601	11.488	.01503	.12825	.11804
#1	10.247	21.929	2.0308	1.0253	-.01081	1.0201	2.0416	.04720	1.0187	1.0251	1.0291
#2	10.217	21.864	2.0467	1.0267	-.01300	1.0201	2.0565	.04011	1.0189	1.0269	1.0274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7979.1**	**96022.**	**9415.4**
Stddev	3.1	149.	27.9
%RSD	.03914	.15531	.29631
#1	7981.3	96127.	9435.1
#2	7976.9	95917.	9395.7

Sample Name: S2-2444513 Acquired: 1/2/2014 9:23:24 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00377	102.67	.00106	.00358	.00129	-.00004	2.0527	-.02853	-.00057	-.00108	-.00024	-.01809	102.49
Stddev	.00071	.08	.00102	.00057	.00020	.00008	.0114	.00028	.00027	.00006	.00012	.00091	.19
%RSD	18.923	.07977	96.168	15.958	15.258	220.08	.55441	.97509	47.069	5.3351	52.271	5.0085	.18662
#1	.00326	102.62	.00178	.00399	.00143	.00002	2.0447	-.02833	-.00076	-.00112	-.00032	-.01873	102.62
#2	.00427	102.73	.00034	.00318	.00115	-.00010	2.0608	-.02873	-.00038	-.00104	-.00015	-.01745	102.35
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.16392	.00422	-.15944	.00290	.00038	513.66	.00164	.00254	.00062	10.276	-.02620	-.01301	.00136
Stddev	.03212	.00032	.00400	.00007	.00012	.66	.00010	.00021	.00022	.061	.00076	.00311	.00120
%RSD	19.592	7.5738	2.5057	2.2500	32.806	.12928	5.8538	8.4214	35.742	.59743	2.8911	23.883	88.156
#1	.14121	.00445	-.16226	.00285	.00029	513.19	.00157	.00239	.00078	10.233	-.02674	-.01521	.00221
#2	.18663	.00400	-.15661	.00295	.00047	514.13	.00171	.00269	.00046	10.320	-.02567	-.01081	.00051
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00291	.00044	.00072	10.217	-.01476	-.00137	20.497	-.00575	-.00046	.03400
Stddev	.00256	.00034	.00002	.015	.00010	.00098	.032	.00033	.00004	.00010
%RSD	88.156	76.372	2.6975	.14382	.66576	71.498	.15832	5.7546	7.6201	.29004
#1	.00472	.00020	.00073	10.227	-.01469	-.00206	20.520	-.00599	-.00044	.03393
#2	.00109	.00068	.00071	10.206	-.01483	-.00068	20.474	-.00552	-.00049	.03407
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7793.9	92393.	9448.2
Stddev	29.4	435.	11.2
%RSD	.37728	.47047	.11894
#1	7814.7	92086.	9456.2
#2	7773.1	92701.	9440.3

Sample Name: ICVH-2444512 Acquired: 1/2/2014 9:25:47 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**38.934**	**.00235**	**.00117**	**.00282**	**-.00002**	**.51032**	**-.00670**	**-.00010**	**.00031**	**.00032**	**-.00502**
Stddev	.00051	.057	.00013	.00084	.00009	.00002	.00201	.00393	.00003	.00030	.00005	.00031
%RSD	47.234	.14638	5.6787	71.833	3.1342	70.190	.39377	58.699	34.972	95.227	14.003	6.0830
#1	.00145	38.975	.00226	.00176	.00276	-.00004	.50890	-.00392	-.00012	.00053	.00029	-.00523
#2	.00072	38.894	.00245	.00057	.00288	-.00001	.51175	-.00948	-.00007	.00010	.00035	-.00480
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**77.940**	**.00662**	**.00054**	**-.04916**	**.00099**	**-.00016**	**40.019**	**.00254**	**-.00133**	**-.00093**	W **3.7035**	**-.00737**
Stddev	.035	.00455	.00357	.00297	.00007	.00005	.503	.00012	.00136	.00134	.0153	.00052
%RSD	.04429	68.736	665.92	6.0482	7.5373	32.931	1.2561	4.7545	102.90	143.87	.41300	7.0790
#1	77.915	.00340	-.00199	-.05126	.00094	-.00012	40.374	.00262	-.00229	.00002	3.6927	-.00700
#2	77.964	.00983	.00306	-.04706	.00104	-.00020	39.663	.00245	-.00036	-.00189	3.7143	-.00774
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											4.0000	
Range											-5.4900%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00547**	**.01834**	**.03925**	**.00086**	**.00017**	**2.8565**	**-.00419**	**-.00208**	**5.1624**	**-.00069**	**.00128**	**.01002**
Stddev	.00118	.00778	.01666	.00022	.00000	.0128	.00032	.00009	.0015	.00012	.00003	.00110
%RSD	21.571	42.447	42.447	25.758	2.7653	.44710	7.6067	4.1799	.02849	17.227	2.6195	10.996
#1	-.00463	.02384	.05103	.00102	.00016	2.8656	-.00397	-.00202	5.1613	-.00078	.00130	.00924
#2	-.00630	.01283	.02747	.00071	.00017	2.8475	-.00442	-.00214	5.1634	-.00061	.00125	.01079
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8219.8**	**99888.**	**9836.4**
Stddev	14.6	595.	33.9
%RSD	.17717	.59615	.34489
#1	8209.5	99467.	9812.4
#2	8230.1	100310.	9860.4

Sample Name: ICV-2431895 Acquired: 1/2/2014 9:29:28 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25346**	**.25983**	**.25701**	**.25441**	**.25200**	**.24400**	**-.00372**	**2.0499**	**.25083**	**.25319**	**.25602**	**.25398**	**.25715**
Stddev	.00111	.00368	.00279	.00195	.00087	.00074	.00114	.0096	.00339	.00338	.00352	.00301	.00045
%RSD	.43777	1.4158	1.0845	.76557	.34520	.30190	30.555	.46946	1.3520	1.3366	1.3731	1.1853	.17330
#1	.25268	.26243	.25898	.25579	.25138	.24348	-.00292	2.0431	.25323	.25558	.25851	.25185	.25746
#2	.25425	.25723	.25504	.25303	.25261	.24452	-.00452	2.0567	.24843	.25080	.25354	.25611	.25683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.149**	**.25325**	**10.009**	**.25158**	**.25138**	**2.0561**	**.25477**	**1.9589**	**.25916**	**.00326**	**.25738**	**.50105**	**2.0271**
Stddev	.069	.00062	.036	.00068	.00275	.0059	.00243	.0227	.00299	.00052	.00271	.00544	.0201
%RSD	.34120	.24329	.35644	.27007	1.0944	.28653	.95248	1.1582	1.1520	16.053	1.0534	1.0852	.99183
#1	20.100	.25282	9.9835	.25110	.25333	2.0520	.25648	1.9749	.26127	.00363	.25930	.50489	2.0129
#2	20.197	.25369	10.034	.25206	.24944	2.0603	.25305	1.9428	.25705	.00289	.25546	.49720	2.0413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3380**	**.50772**	**.24966**	**-.00223**	**.24805**	**.52713**	**.04957**	**.24803**	**.25121**	**.24718**
Stddev	.0430	.00839	.00126	.00171	.00075	.00494	.03388	.00135	.00015	.00320
%RSD	.99183	1.6518	.50548	76.413	.30199	.93721	68.349	.54485	.06138	1.2940
#1	4.3076	.51365	.24877	-.00344	.24752	.53062	.07353	.24708	.25132	.24492
#2	4.3684	.50179	.25056	-.00103	.24858	.52364	.02561	.24899	.25110	.24944
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8238.9**	**100410.**	**9738.2**
Stddev	47.8	566.	2.5
%RSD	.58041	.56367	.02616
#1	8205.1	100010.	9740.0
#2	8272.7	100810.	9736.4

Sample Name: ICVL-2445883 Acquired: 1/2/2014 9:32:01 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01092**	**.11069**	**.01494**	**.10644**	**.01086**	**.00110**	**.11586**	**.21551**	**.00534**	**.01093**	**.01086**	**.01609**	**.10736**
Stddev	.00001	.00042	.00264	.00020	.00044	.00003	.00154	.00180	.00018	.00018	.00009	.00023	.00194
%RSD	.07397	.38300	17.674	.19117	4.0792	2.7284	1.3320	.83733	3.4295	1.6453	.84429	1.4028	1.8097
#1	.01092	.11099	.01307	.10629	.01117	.00108	.11695	.21678	.00547	.01106	.01080	.01625	.10874
#2	.01093	.11039	.01680	.10658	.01055	.00112	.11476	.21423	.00521	.01081	.01093	.01593	.10599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1425**	**.00940**	**.21919**	**.01055**	**.02071**	**1.0891**	**.04355**	**3.0630**	**.01015**	**.00057**	**.01152**	**.01417**	**.53718**
Stddev	.0225	.00034	.00082	.00004	.00002	.0107	.00001	.0029	.00077	.00167	.00210	.00157	.00442
%RSD	.71441	3.5678	.37336	.34075	.07488	.98463	.03391	.09620	7.6296	295.84	18.261	11.102	.82312
#1	3.1584	.00916	.21977	.01053	.02070	1.0967	.04354	3.0609	.00960	.00175	.01301	.01306	.53406
#2	3.1266	.00963	.21861	.01058	.02072	1.0815	.04356	3.0651	.01069	-.00062	.01004	.01528	.54031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1496**	**.10741**	**.01054**	**.01564**	**.00979**	**.01677**	F **.10651**	**.01053**	**.02346**	**.01566**
Stddev	.0095	.00060	.00016	.00113	.00010	.00088	.03692	.00046	.00046	.00137
%RSD	.82312	.55937	1.5435	7.2369	1.0685	5.2189	34.660	4.3891	1.9587	8.7558
#1	1.1429	.10698	.01066	.01644	.00971	.01615	.13261	.01020	.02379	.01663
#2	1.1563	.10783	.01043	.01484	.00986	.01739	.08040	.01085	.02314	.01469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8265.4**	**100530.**	**9652.5**
Stddev	7.5	581.	.3
%RSD	.09063	.57769	.00345
#1	8270.7	100120.	9652.3
#2	8260.1	100940.	9652.8

Sample Name: CCVH-2444534 Acquired: 1/2/2014 9:34:57 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**51.313**	**.00041**	**.00103**	**.00042**	**-.00005**	**1.0139**	**-.01724**	**-.00031**	**-.00059**	**-.00010**	**-.00917**	**51.838**
Stddev	.00054	.058	.00207	.00005	.00011	.00003	.0063	.00092	.00006	.00007	.00003	.00069	.077
%RSD	41.395	.11246	497.90	4.8194	26.535	59.802	.62396	5.3540	20.681	11.929	30.687	7.5057	.14761
#1	.00092	51.354	.00188	.00100	.00049	-.00007	1.0183	-.01659	-.00027	-.00054	-.00012	-.00868	51.784
#2	.00168	51.272	-.00105	.00107	.00034	-.00003	1.0094	-.01790	-.00036	-.00064	-.00008	-.00966	51.892
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**.00115**	**-.07779**	**.00142**	**.00002**	**254.24**	**.00059**	**-.00037**	**.00115**	**4.9704**	**-.01396**	**-.00680**	**.00003**
Stddev	.04140	.00054	.00090	.00007	.00015	.18	.00005	.00056	.00005	.0314	.00178	.00008	.00341
%RSD	2243.9	47.299	1.1591	5.2033	654.44	.06984	7.6477	153.09	4.5030	.63244	12.735	1.1418	10143.
#1	-.03112	.00153	-.07843	.00137	-.00008	254.36	.00056	.00003	.00112	4.9926	-.01522	-.00685	.00244
#2	.02743	.00076	-.07715	.00147	.00013	254.11	.00062	-.00076	.00119	4.9482	-.01270	-.00674	-.00237
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00006**	**.00026**	**5.0300**	**-.00742**	**-.00091**	**10.331**	**-.00278**	**.00029**	**.01691**
Stddev	.00729	.00034	.00009	.0001	.00012	.00020	.045	.00040	.00014	.00080
%RSD	10143.	567.80	35.095	.00204	1.6499	21.740	.43472	14.300	48.090	4.7232
#1	.00523	-.00030	.00032	5.0299	-.00733	-.00077	10.363	-.00250	.00019	.01748
#2	-.00508	.00018	.00019	5.0301	-.00750	-.00105	10.299	-.00306	.00040	.01635
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.7**	**94701.**	**9511.7**
Stddev	8.2	259.	85.8
%RSD	.10281	.27310	.90165
#1	7954.4	94884.	9572.4
#2	7942.9	94518.	9451.1

Sample Name: CCV-2431894 Acquired: 1/2/2014 9:37:22 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50077**	**.51246**	**1.0022**	**.50278**	**.50804**	**.50356**	**-.00698**	**5.1000**	**.49881**	**.50723**	**.50787**	**.50097**	**2.5602**
Stddev	.00024	.00030	.0030	.00136	.00385	.00320	.00120	.0331	.00063	.00007	.00241	.00050	.0190
%RSD	.04696	.05822	.29706	.27065	.75742	.63607	17.223	.64946	.12564	.01403	.47532	.10016	.74021
#1	.50093	.51268	1.0001	.50182	.50532	.50129	-.00783	5.0765	.49926	.50718	.50617	.50062	2.5468
#2	.50060	.51225	1.0043	.50375	.51076	.50582	-.00613	5.1234	.49837	.50728	.50958	.50133	2.5736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.478**	**1.0175**	**20.017**	**.50242**	**.50549**	**5.1217**	**.50636**	**.98790**	**1.0180**	**-.00358**	**.99804**	**.98895**	**5.0599**
Stddev	.252	.0070	.032	.00014	.00044	.0308	.00151	.00328	.0029	.00125	.00264	.00171	.0485
%RSD	.49895	.69282	.15908	.02881	.08621	.60224	.29781	.33231	.28946	34.859	.26472	.17287	.95887
#1	50.300	1.0126	19.994	.50232	.50519	5.0999	.50743	.98558	1.0159	-.00269	.99991	.99015	5.0256
#2	50.656	1.0225	20.039	.50253	.50580	5.1436	.50530	.99022	1.0200	-.00446	.99618	.98774	5.0942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.828**	**1.0078**	**.50456**	**-.00574**	**.49939**	**1.0249**	**.05259**	**.50114**	**.50397**	**.50631**
Stddev	.104	.0010	.00210	.00014	.00034	.0002	.00345	.00064	.00323	.00244
%RSD	.95887	.09423	.41617	2.4418	.06743	.01542	6.5664	.12855	.64169	.48209
#1	10.755	1.0071	.50308	-.00584	.49915	1.0248	.05015	.50160	.50169	.50458
#2	10.902	1.0084	.50605	-.00564	.49963	1.0250	.05504	.50069	.50626	.50803
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.9**	**96971.**	**9345.4**
Stddev	14.0	400.	90.0
%RSD	.17453	.41295	.96262
#1	8029.8	97254.	9281.8
#2	8010.0	96688.	9409.0

Sample Name: ICB Acquired: 1/2/2014 9:39:30 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00221**	**-.00038**	**.00131**	**-.00003**	**.00005**	**-.00154**	**-.00083**	**-.00001**	**-.00006**	**-.00006**	**-.00005**	**.00169**
Stddev	.00022	.00017	.00001	.00012	.00018	.00001	.00133	.00282	.00003	.00002	.00007	.00020	.00013
%RSD	104.13	7.5336	2.4485	8.8715	538.12	10.661	86.608	338.75	452.14	30.420	117.24	376.89	7.3800
#1	-.00006	-.00233	-.00037	.00140	.00009	.00005	-.00060	.00116	-.00003	-.00007	-.00011	.00009	.00178
#2	-.00036	-.00209	-.00039	.00123	-.00016	.00005	-.00248	-.00283	.00001	-.00005	-.00001	-.00020	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00098**	**-.00109**	**-.00014**	**-.00002**	**.00031**	**.01116**	**-.00052**	**-.00362**	**-.00040**	**-.00141**	**.00177**	**-.00208**	**.02273**
Stddev	.00362	.00034	.00031	.00009	.00044	.00696	.00009	.00172	.00063	.00063	.00118	.00063	.00650
%RSD	368.09	31.044	215.69	487.54	143.90	62.389	17.517	47.400	155.93	44.412	66.504	30.246	28.588
#1	-.00355	-.00085	-.00036	-.00008	-.00001	.00623	-.00046	-.00483	-.00085	-.00186	.00094	-.00252	.01813
#2	.00158	-.00133	.00008	.00004	.00062	.01608	-.00059	-.00241	.00004	-.00097	.00260	-.00163	.02732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04863**	**-.00005**	**.00000**	**-.00051**	**-.00018**	**-.00021**	F **.05093**	**.00002**	**.00234**	**.00011**
Stddev	.01390	.00039	.00004	.00058	.00019	.00140	.01006	.00016	.00015	.00090
%RSD	28.588	726.33	840.28	113.30	106.67	652.69	19.746	677.80	6.2343	849.48
#1	.03880	-.00033	-.00002	-.00093	-.00004	.00078	.05804	-.00009	.00244	-.00053
#2	.05846	.00022	.00003	-.00010	-.00032	-.00120	.04382	.00013	.00224	.00075
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8096.3**	**99458.**	**9317.1**
Stddev	28.9	249.	46.0
%RSD	.35714	.24999	.49371
#1	8116.8	99282.	9349.6
#2	8075.9	99634.	9284.5

Sample Name: CRI-2445888 Acquired: 1/2/2014 9:42:53 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01158**	W **.12505**	W **.01258**	**.11989**	W **.00622**	**.00116**	**.11994**	W **.24923**	**.00600**	**.00596**	**.01200**	**.01200**
Stddev	.00030	.00001	.00076	.00104	.00001	.00003	.00014	.00106	.00012	.00006	.00000	.00015
%RSD	2.5820	.00526	6.0628	.87147	.16990	2.4647	.11810	.42335	2.0289	.95836	.03517	1.2825
#1	.01137	.12505	.01312	.12063	.00622	.00114	.11984	.24998	.00591	.00600	.01200	.01189
#2	.01179	.12506	.01204	.11915	.00621	.00118	.12004	.24849	.00608	.00592	.01199	.01211
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000	.01000		.00500			.20000				
Range		20.490%	20.490%		20.490%			20.490%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.03892**	**1.1836**	**.01060**	W **.24573**	**.00361**	**.01036**	**1.1897**	**.01192**	**1.1376**	**.00319**	**.09985**	**.01143**
Stddev	.00099	.0092	.00050	.00256	.00001	.00008	.0045	.00022	.0062	.00029	.00155	.00075
%RSD	2.5383	.78057	4.6813	1.0423	.15280	.78757	.37806	1.8301	.54241	8.9527	1.5516	6.6002
#1	.03822	1.1902	.01096	.24755	.00361	.01030	1.1929	.01207	1.1420	.00299	.10094	.01196
#2	.03962	1.1771	.01025	.24392	.00361	.01041	1.1865	.01177	1.1333	.00339	.09875	.01089
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.03000			.20000								
Range	20.490%			20.490%								

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00839**	**.54025**	**1.1561**	**.02161**	**.00587**	**.00984**	**.01018**	**.01136**	F **.12901**	**.01193**	F **.01503**	**.00882**
Stddev	.00154	.00129	.0028	.00044	.00004	.00176	.00034	.00087	.02875	.00010	.00001	.00144
%RSD	18.362	.23903	.23903	2.0271	.64940	17.877	3.3153	7.6794	22.287	.83679	.07407	16.280
#1	.00730	.54116	1.1581	.02192	.00590	.00860	.01042	.01074	.14934	.01186	.01503	.00983
#2	.00948	.53933	1.1542	.02130	.00584	.01109	.00994	.01198	.10868	.01200	.01504	.00780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value									.06000		.01000	
Range									50.000%		50.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7994.0**	**96397.**	**9218.1**
Stddev	6.9	98.	131.0
%RSD	.08578	.10145	1.4211
#1	7989.1	96328.	9310.7
#2	7998.8	96466.	9125.4

Sample Name: CRI-2446020 Acquired: 1/2/2014 9:49:11 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01066**	**.10763**	W **.01487**	**.10274**	**.00504**	**.00101**	F **.00045**	**.20498**	**.00512**	**.00520**	**.01054**	**.01031**
Stddev	.00051	.00042	.00036	.00002	.00012	.00003	.00219	.00033	.00009	.00012	.00008	.00027
%RSD	4.7463	.39061	2.4065	.01963	2.3632	3.3898	483.29	.16124	1.6699	2.2532	.74481	2.6014
#1	.01102	.10793	.01512	.10275	.00512	.00104	-.00110	.20475	.00518	.00512	.01048	.01050
#2	.01030	.10734	.01462	.10273	.00495	.00099	.00200	.20522	.00506	.00528	.01059	.01012
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000				.10000					
Range			20.490%				-50.000%					

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02995**	**.99245**	**.00909**	**.20804**	**.00315**	F **.00026**	**1.0194**	**.01030**	**.98881**	F **-.00073**	F **-.00033**	F **.00087**
Stddev	.00076	.02201	.00048	.00193	.00002	.00009	.0089	.00056	.00881	.00108	.00069	.00069
%RSD	2.5307	2.2182	5.2789	.92727	.64188	32.683	.86806	5.4177	.89098	147.46	209.64	78.989
#1	.03048	.97688	.00876	.20940	.00314	.00020	1.0257	.01069	.99504	.00003	.00016	.00136
#2	.02941	1.0080	.00943	.20667	.00317	.00032	1.0132	.00991	.98258	-.00149	-.00081	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value						.01000				.00300	.10000	.01000
Range						-50.000%				-50.000%	-50.000%	-50.000%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00285**	F **.01127**	F **.02413**	F **.00050**	**.00514**	**.01023**	F **-.00012**	F **-.00060**	F **.09539**	**.01021**	**.01035**	F **-.00024**
Stddev	.00325	.00729	.01561	.00050	.00010	.00036	.00004	.00071	.00973	.00030	.00022	.00017
%RSD	114.20	64.701	64.701	99.365	1.8610	3.5146	35.621	117.91	10.195	2.9389	2.1711	72.465
#1	-.00055	.00612	.01309	.00015	.00507	.00998	-.00009	-.00010	.08852	.01000	.01019	-.00036
#2	-.00514	.01643	.03517	.00085	.00520	.01048	-.00015	-.00110	.10227	.01042	.01051	-.00011
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value	.01000	.50000	1.0700	.02000			.01000	.01000	.06000			.01000
Range	-50.000%	-50.000%	-50.000%	-50.000%			-50.000%	-50.000%	50.000%			-50.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8208.8**	**100010.**	**9456.0**
Stddev	20.2	180.	108.3
%RSD	.24601	.18023	1.1454
#1	8194.5	99878.	9379.4
#2	8223.0	100130.	9532.6

Sample Name: ICSA-2424731 Acquired: 1/2/2014 9:54:32 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	R **515.69**	**-.00375**	**-.00003**	**.00044**	**-.00005**	**.00493**	**471.07**	**.00058**	**-.00117**	W **.00213**	**.00262**
Stddev	.00053	2.67	.00087	.00021	.00010	.00004	.00165	7.92	.00001	.00004	.00026	.00023
%RSD	7564.3	.51862	23.177	730.17	21.707	85.501	33.503	1.6809	1.7077	3.6809	12.083	8.8908
#1	-.00037	513.80	-.00436	.00012	.00051	-.00002	.00376	465.47	.00058	-.00120	.00195	.00245
#2	.00038	517.59	-.00314	-.00018	.00037	-.00008	.00609	476.66	.00057	-.00114	.00231	.00278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00186	
Low Limit											-.00186	

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**190.17**	**-.08612**	**-.00329**	**505.92**	W **.00107**	**-.00050**	**.05699**	W **.00649**	**-.00671**	**.00130**	**-.05845**	**.00393**
Stddev	1.04	.00129	.00136	1.64	.00002	.00028	.00073	.00001	.00086	.00144	.00212	.00051
%RSD	.54791	1.4943	41.485	.32462	1.5360	56.845	1.2738	.15029	12.799	110.72	3.6239	13.002
#1	189.44	-.08521	-.00232	504.75	.00105	-.00070	.05750	.00648	-.00731	.00231	-.05695	.00357
#2	190.91	-.08703	-.00425	507.08	.00108	-.00030	.05648	.00649	-.00610	.00028	-.05995	.00429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00050			.00258				
Low Limit					-.00050			-.00258				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.01044**	W **.01335**	**.02856**	**.00025**	W **.01537**	W **.00825**	**-.00009**	**-.00210**	**.04286**	W **.00343**	**-.00456**	**.00183**
Stddev	.00289	.00570	.01219	.00057	.00026	.00013	.00030	.00159	.02212	.00019	.00045	.00060
%RSD	27.733	42.692	42.692	231.28	1.6924	1.6330	353.38	75.481	51.603	5.6201	9.8314	32.836
#1	.00839	.01737	.03718	-.00016	.01519	.00815	.00013	-.00322	.05850	.00329	-.00424	.00225
#2	.01248	.00932	.01994	.00065	.01556	.00834	-.00030	-.00098	.02722	.00356	-.00488	.00140
Check ?	Chk Warn	Chk Warn	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.00972	.00694			.00050	.00800				.00222		
Low Limit	-.00972	-.06940			-.00050	-.00800				-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7289.8**	**85391.**	**9249.9**
Stddev	30.8	569.	77.5
%RSD	.42300	.66641	.83785
#1	7311.7	85793.	9304.7
#2	7268.0	84988.	9195.1

Sample Name: ICSAB-2415038 Acquired: 1/2/2014 9:57:36 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0724**	**486.32**	**1.9626**	**1.8329**	**.49066**	**.46494**	**.94950**	**441.09**	**.99282**	**.44106**	**.46112**	**.50427**	**179.09**	**50.897**
Stddev	.0003	2.04	.0017	.0017	.00125	.00121	.00358	.52	.00194	.00005	.00153	.00336	.71	.008
%RSD	.02708	.42034	.08841	.09033	.25524	.26059	.37652	.11740	.19588	.01078	.33108	.66654	.39909	.01593
#1	1.0726	487.77	1.9614	1.8317	.49155	.46580	.94698	440.72	.99144	.44103	.46004	.50664	179.60	50.903
#2	1.0721	484.88	1.9639	1.8340	.48977	.46409	.95203	441.45	.99419	.44109	.46220	.50189	178.59	50.892
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0184**	**474.69**	**.47370**	**.90234**	**49.993**	**.89259**	**1.8565**	**.89004**	**.89162**	**.97141**	**4.7582**	**9.3806**	**20.074**	**8.5536**
Stddev	.0037	3.74	.00020	.00151	.488	.00008	.0025	.00227	.00374	.00636	.0375	.0603	.129	.0134
%RSD	.35961	.78853	.04306	.16758	.97671	.00884	.13612	.25461	.41975	.65448	.78834	.64253	.64253	.15629
#1	1.0210	472.05	.47356	.90127	50.338	.89265	1.8547	.88844	.89427	.96692	4.7317	9.4232	20.166	8.5630
#2	1.0158	477.34	.47385	.90341	49.648	.89254	1.8582	.89164	.88898	.97591	4.7847	9.3380	19.983	8.5441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96256**	**1.9287**	**.94733**	**8.0597**	**.05008**	**.48339**	**.92707**	**.94965**
Stddev	.00138	.0060	.00036	.0009	.02266	.00018	.00211	.00233
%RSD	.14297	.30882	.03755	.01148	45.254	.03682	.22770	.24550
#1	.96353	1.9245	.94758	8.0590	.03405	.48351	.92558	.95129
#2	.96158	1.9329	.94708	8.0603	.06610	.48326	.92857	.94800
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7640.5**	**89581.**	**9785.6**
Stddev	1.8	644.	77.9
%RSD	.02327	.71937	.79641
#1	7641.8	90036.	9730.5
#2	7639.2	89125.	9840.7

Sample Name: LRA-2390059 Acquired: 1/2/2014 9:59:59 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.4600**	**-.13177**	**9.7989**	**9.3918**	**11.766**	**-.00533**	**-.10743**	**.02746**	**1.9905**	**4.8552**	**9.9528**	**10.197**	**491.88**
Stddev	.0265	.00038	.0456	.0171	.096	.00000	.01333	.00423	.0015	.0105	.0123	.028	3.09
%RSD	1.0765	.29197	.46575	.18211	.81239	.08213	12.406	15.405	.07318	.21564	.12374	.27465	.62769
#1	2.4413	-.13204	9.7666	9.3797	11.834	-.00534	-.09800	.03045	1.9894	4.8478	9.9441	10.178	489.70
#2	2.4787	-.13150	9.8311	9.4039	11.699	-.00533	-.11685	.02447	1.9915	4.8626	9.9615	10.217	494.07
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.25978**	**-.00207**	**-.02078**	**9.4253**	**4.8630**	**.00561**	**9.8670**	**-.00848**	**10.041**	**-.05016**	**.07084**	**4.8152**	**47.506**
Stddev	.01377	.00116	.00118	.0736	.0076	.00167	.0228	.00003	.028	.00198	.00063	.0120	.286
%RSD	5.2988	55.971	5.6856	.78060	.15548	29.739	.23097	.40804	.28005	3.9513	.88742	.24853	.60114
#1	-.26951	-.00289	-.01994	9.4774	4.8577	.00679	9.8509	-.00845	10.021	-.04876	.07039	4.8067	47.304
#2	-.25004	-.00125	-.02161	9.3733	4.8684	.00443	9.8831	-.00850	10.060	-.05156	.07128	4.8236	47.708
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.66**	**.01269**	**9.7813**	**.01487**	**9.5231**	**4.8920**	**-.01221**	**9.5111**	**9.2270**	**.00358**
Stddev	.61	.00044	.0606	.00205	.0787	.0157	.00512	.1065	.0861	.00140
%RSD	.60114	3.4608	.61948	13.798	.82602	.32099	41.917	1.1192	.93289	38.999
#1	101.23	.01300	9.7385	.01342	9.5787	4.8809	-.00859	9.4358	9.1662	.00260
#2	102.09	.01238	9.8242	.01632	9.4675	4.9031	-.01583	9.5863	9.2879	.00457
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.9**	**100350.**	**9738.2**
Stddev	7.6	506.	2.4
%RSD	.09338	.50469	.02448
#1	8123.3	100700.	9736.6
#2	8112.6	99987.	9739.9

Sample Name: CCVH-2444534 Acquired: 1/2/2014 10:02:43 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00192**	**49.177**	**.00153**	**.02892**	**.00061**	**-.00012**	**.98292**	**-.01515**	**-.00024**	**-.00056**	**.00010**	**-.00856**	**49.532**
Stddev	.00021	.158	.00020	.00356	.00032	.00002	.00393	.00208	.00006	.00008	.00016	.00019	.504
%RSD	11.202	.32142	12.825	12.316	51.696	15.135	.39963	13.711	24.235	14.446	156.35	2.2145	1.0185
#1	.00176	49.065	.00139	.03143	.00083	-.00010	.98014	-.01662	-.00020	-.00062	.00021	-.00843	49.175
#2	.00207	49.289	.00167	.02640	.00039	-.00013	.98569	-.01368	-.00028	-.00050	-.00001	-.00869	49.889
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00923**	**.00173**	**-.08198**	**.00142**	**.00111**	**243.85**	**.00039**	**-.00048**	**-.00021**	**4.8138**	**-.01173**	**-.00597**	**.05365**
Stddev	.01432	.00133	.00260	.00002	.00034	.89	.00037	.00080	.00025	.0213	.00124	.00226	.00175
%RSD	155.20	77.038	3.1729	1.4849	31.054	.36353	93.940	164.96	120.46	.44205	10.579	37.894	3.2552
#1	.00090	.00267	-.08014	.00140	.00135	243.23	.00013	-.00105	-.00038	4.7987	-.01261	-.00437	.05488
#2	-.01936	.00079	-.08382	.00143	.00086	244.48	.00065	.00008	-.00003	4.8288	-.01086	-.00757	.05241
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11480**	**-.00083**	**.00052**	**4.9268**	**-.00615**	**-.00012**	**10.056**	**-.00244**	**.00048**	**.01487**
Stddev	.00374	.00082	.00005	.0413	.00015	.00066	.082	.00015	.00029	.00040
%RSD	3.2552	99.082	9.7167	.83869	2.4880	527.97	.81840	6.2668	59.745	2.6867
#1	.11744	-.00140	.00048	4.8976	-.00604	-.00059	9.9983	-.00255	.00028	.01515
#2	.11216	-.00025	.00055	4.9560	-.00626	.00034	10.115	-.00233	.00069	.01459
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8089.9**	**95675.**	**9668.7**
Stddev	51.1	845.	132.3
%RSD	.63186	.88301	1.3680
#1	8126.1	96272.	9762.2
#2	8053.8	95078.	9575.2

Sample Name: CCV-2431894 Acquired: 1/2/2014 10:05:07 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48802**	**.50099**	**.97751**	**.50171**	**.49753**	**.49267**	**-.00770**	**5.0300**	**.48424**	**.49219**	**.49431**	**.48391**	**2.5139**
Stddev	.00175	.00010	.00122	.00058	.00528	.00372	.00047	.0168	.00015	.00005	.00037	.00247	.0448
%RSD	.35839	.01941	.12492	.11543	1.0614	.75418	6.0589	.33478	.03005	.01009	.07503	.51133	1.7823
#1	.48926	.50092	.97837	.50131	.49379	.49004	-.00737	5.0181	.48434	.49215	.49405	.48566	2.4822
#2	.48678	.50106	.97665	.50212	.50126	.49530	-.00803	5.0419	.48413	.49222	.49457	.48216	2.5456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.512**	**.99737**	**19.579**	**.48921**	**.49224**	**4.9952**	**.49215**	**.95914**	**.99193**	**-.00293**	**.97063**	**.96176**	**4.9989**
Stddev	.298	.01031	.101	.00098	.00034	.0324	.00036	.00664	.00320	.00001	.00066	.00516	.0797
%RSD	.60197	1.0340	.51547	.19972	.06830	.64810	.07358	.69244	.32290	.24164	.06840	.53702	1.5944
#1	49.301	.99007	19.651	.48990	.49248	4.9723	.49241	.96384	.99420	-.00294	.97016	.95811	4.9426
#2	49.723	1.0047	19.508	.48852	.49200	5.0181	.49190	.95444	.98967	-.00293	.97110	.96541	5.0553
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.698**	**.98441**	**.49294**	**-.00528**	**.48565**	**.99727**	**.01802**	**.48758**	**.49592**	**.49714**
Stddev	.171	.00213	.00116	.00193	.00194	.00393	.00834	.00147	.00016	.00677
%RSD	1.5944	.21684	.23599	36.517	.40003	.39376	46.301	.30221	.03308	1.3623
#1	10.577	.98290	.49212	-.00392	.48702	1.0000	.02391	.48862	.49603	.49235
#2	10.818	.98592	.49377	-.00664	.48428	.99449	.01212	.48654	.49580	.50193
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8158.2**	**97657.**	**9373.7**
Stddev	11.4	16.	89.9
%RSD	.13985	.01676	.95924
#1	8166.2	97668.	9437.3
#2	8150.1	97645.	9310.2

Sample Name: CCB Acquired: 1/2/2014 10:07:15 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00190**	**.00063**	F **.00838**	**.00006**	**.00002**	**-.00137**	**-.00243**	**.00002**	**-.00006**	**-.00003**	**-.00045**	**.00077**
Stddev	.00030	.00010	.00175	.00096	.00018	.00002	.00100	.00001	.00007	.00018	.00020	.00015	.00081
%RSD	144.76	5.3445	276.54	11.463	312.98	82.749	72.663	.36977	411.52	331.93	700.94	33.950	105.27
#1	.00041	-.00183	-.00061	.00906	.00018	.00004	-.00067	-.00243	-.00003	.00007	-.00017	-.00034	.00020
#2	.00000	-.00197	.00187	.00770	-.00007	.00001	-.00208	-.00244	.00006	-.00019	.00011	-.00056	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700									
Low Limit				-.00700									

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**-.00029**	**-.00056**	**.00000**	**.00057**	**-.01405**	**-.00077**	**-.00481**	**.00029**	**.00049**	**.00062**	**-.00096**	**.00950**
Stddev	.00696	.00151	.00081	.00010	.00000	.00751	.00001	.00145	.00121	.00229	.00133	.00066	.00460
%RSD	135.29	522.81	144.35	47860.	.45627	53.457	.72502	30.161	416.47	465.95	212.98	68.875	48.399
#1	.01006	.00078	.00001	.00007	.00057	-.00874	-.00077	-.00583	.00115	-.00113	.00156	-.00049	.01275
#2	.00022	-.00136	-.00114	-.00007	.00057	-.01936	-.00076	-.00378	-.00057	.00211	-.00032	-.00143	.00625
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02033**	**.00000**	**-.00002**	**.00062**	**-.00015**	**-.00030**	**.04523**	**-.00007**	**.00265**	**.00044**
Stddev	.00984	.0000	.00004	.00118	.00030	.00045	.00359	.00044	.00005	.00091
%RSD	48.399	468.84	177.26	188.84	199.73	146.87	7.9332	595.02	1.7662	205.54
#1	.02729	.00001	.00001	.00146	.00006	.00001	.04777	-.00038	.00261	.00108
#2	.01337	-.00002	-.00005	-.00021	-.00037	-.00062	.04270	.00023	.00268	-.00020
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.4**	**101430.**	**9664.0**
Stddev	19.7	1305.	.4
%RSD	.23702	1.2862	.00373
#1	8305.3	102350.	9664.3
#2	8277.5	100500.	9663.7

Sample Name: CCVL-2445883 Acquired: 1/2/2014 10:09:37 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01100**	**.10841**	**.01609**	**.10903**	**.01055**	**.00107**	**.11474**	**.21216**	**.00521**	**.01041**	**.01064**	**.01611**	**.10501**
Stddev	.00009	.00003	.00096	.00015	.00035	.00007	.00024	.00205	.00005	.00003	.00015	.00050	.00211
%RSD	.84557	.02724	5.9765	.13980	3.2931	6.2014	.21190	.96516	.96093	.31693	1.3671	3.0894	2.0048
#1	.01093	.10843	.01541	.10892	.01080	.00111	.11457	.21071	.00525	.01039	.01074	.01647	.10650
#2	.01107	.10838	.01677	.10914	.01030	.00102	.11492	.21360	.00518	.01044	.01053	.01576	.10352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0724**	**.00993**	**.21722**	**.01037**	**.02023**	**1.0418**	**.04254**	**3.0005**	**.01021**	**.00258**	**.01103**	**.01282**	**.51967**
Stddev	.0291	.00132	.00047	.00025	.00008	.0055	.00001	.0013	.00033	.00143	.00320	.00188	.00006
%RSD	.94834	13.260	.21705	2.4226	.37154	.53127	.02198	.04196	3.2180	55.195	28.986	14.699	.01142
#1	3.0930	.00900	.21688	.01055	.02028	1.0379	.04253	2.9996	.00998	.00359	.01329	.01415	.51963
#2	3.0518	.01086	.21755	.01019	.02018	1.0457	.04255	3.0014	.01044	.00157	.00877	.01149	.51972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1121**	**.10483**	**.01027**	**.01393**	**.01021**	**.01709**	F **.09511**	**.01043**	**.02298**	**.01480**
Stddev	.0001	.00087	.00001	.00022	.00023	.00038	.00781	.00006	.00028	.00011
%RSD	.01142	.82638	.11062	1.5842	2.2528	2.2400	8.2151	.57041	1.2052	.76549
#1	1.1120	.10421	.01026	.01408	.01005	.01682	.10063	.01047	.02278	.01488
#2	1.1122	.10544	.01028	.01377	.01038	.01736	.08958	.01038	.02318	.01472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8350.5**	**101980.**	**9581.3**
Stddev	13.8	403.	11.5
%RSD	.16474	.39494	.11955
#1	8360.2	101700.	9573.2
#2	8340.7	102270.	9589.4

Sample Name: mb 280-206155/1-a Acquired: 1/2/2014 10:11:58 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00067**	**.00047**	**.00361**	**.00010**	**.00001**	**-.00099**	**.00556**	**.00016**	**-.00004**
Stddev	.00046	.00009	.00071	.00001	.00004	.00001	.00015	.00041	.00002	.00002
%RSD	11205.	13.799	151.05	.31753	43.593	93.670	14.687	7.3497	11.364	58.019
#1	.00033	.00074	.00097	.00362	.00007	.00002	-.00110	.00527	.00017	-.00002
#2	-.00032	.00061	-.00003	.00360	.00013	.00000	-.00089	.00585	.00014	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00003**	**.00245**	**-.01305**	**-.00008**	**.00033**	**.00003**	**-.00001**	**-.02021**	**-.00055**
Stddev	.00008	.00054	.00114	.00598	.00171	.00229	.00002	.00009	.01470	.00010
%RSD	14330.	2029.6	46.589	45.830	2263.2	688.08	76.340	1671.0	72.731	19.049
#1	-.00005	.00036	.00325	-.00882	.00113	-.00128	.00001	-.00007	-.03061	-.00047
#2	.00005	-.00041	.00164	-.01728	-.00128	.00195	.00004	.00006	-.00982	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00348**	**.00003**	**.00189**	**.00014**	**.00099**	**.00877**	**.01877**	**-.00010**	**-.00001**	**.00105**
Stddev	.00061	.00030	.00347	.00076	.00265	.00719	.01538	.00011	.00001	.00129
%RSD	17.394	982.13	183.40	554.46	267.47	81.971	81.971	111.00	107.09	122.77
#1	-.00391	-.00018	.00435	-.00040	-.00088	.01385	.02965	-.00002	-.00001	.00196
#2	-.00305	.00024	-.00056	.00067	.00286	.00369	.00789	-.00017	.00000	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**-.00006**	**.04237**	**.00040**	**.00283**	**.00139**
Stddev	.00014	.00043	.00743	.00013	.00024	.00025
%RSD	111.87	685.80	17.526	32.000	8.4243	18.136
#1	-.00023	.00024	.03712	.00031	.00266	.00157
#2	-.00003	-.00037	.04762	.00049	.00300	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8398.6**	**103880.**	**9923.0**
Stddev	35.6	498.	28.9
%RSD	.42421	.47955	.29082
#1	8423.8	104240.	9943.4
#2	8373.4	103530.	9902.6

Sample Name: lcs 280-206155/2-a Acquired: 1/2/2014 10:14:18 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05423**	**1.9751**	**1.0593**	**1.0794**	**2.0917**	**.05090**	**2.1467**	**51.030**	**.10682**	**.50388**
Stddev	.00026	.0017	.0055	.0058	.0129	.00030	.0095	.188	.00016	.00008
%RSD	.47207	.08667	.51544	.53988	.61609	.59162	.44416	.36912	.15210	.01548
#1	.05405	1.9739	1.0555	1.0753	2.0826	.05069	2.1400	50.897	.10670	.50393
#2	.05441	1.9764	1.0632	1.0835	2.1008	.05111	2.1534	51.163	.10693	.50382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20830**	**.25895**	**1.0219**	**52.001**	**1.0409**	**51.570**	**.50519**	**1.0429**	**52.052**	**.50021**
Stddev	.00042	.00090	.0053	.299	.0069	.334	.00200	.0005	.636	.00022
%RSD	.20161	.34622	.51906	.57471	.66452	.64729	.39666	.04790	1.2217	.04332
#1	.20800	.25831	1.0181	51.790	1.0360	51.334	.50377	1.0425	51.602	.50006
#2	.20860	.25958	1.0256	52.213	1.0458	51.806	.50661	1.0432	52.502	.50037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.579**	**.51510**	**-.00043**	W **.54173**	**2.1073**	**10.322**	**22.089**	**2.0569**	**1.0313**	**1.0082**
Stddev	.023	.00058	.00039	.00371	.0012	.060	.129	.0031	.0025	.0075
%RSD	.21718	.11255	90.941	.68451	.05612	.58271	.58271	.14872	.24354	.74303
#1	10.563	.51551	-.00071	.53911	2.1065	10.280	21.998	2.0547	1.0296	1.0029
#2	10.596	.51469	-.00015	.54435	2.1082	10.365	22.180	2.0591	1.0331	1.0135
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.54000						
Low Limit				.44000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0324**	**2.0462**	**2.1925**	**.51422**	**.50319**	**.52124**
Stddev	.0052	.0035	.0275	.00242	.00260	.00087
%RSD	.50287	.17155	1.2546	.47098	.51579	.16725
#1	1.0288	2.0438	2.1730	.51251	.50135	.52062
#2	1.0361	2.0487	2.2119	.51594	.50502	.52185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8014.3**	**96613.**	**9679.1**
Stddev	3.6	595.	58.1
%RSD	.04501	.61617	.59996
#1	8011.8	97034.	9720.2
#2	8016.9	96193.	9638.1

Sample Name: 280-50418-d-1-d Acquired: 1/2/2014 10:16:25 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.24932**	**.02863**	**2.9651**	**1.0681**	**-.00001**	**-.00389**	**236.01**	**.00077**	**.00535**
Stddev	.00018	.00166	.00293	.0176	.0133	.00001	.00066	.34	.00002	.00015
%RSD	37.206	.66692	10.246	.59411	1.2423	123.70	16.925	.14205	2.8130	2.7156
#1	.00035	.24815	.02656	2.9527	1.0588	.00000	-.00342	236.25	.00079	.00524
#2	.00061	.25050	.03071	2.9776	1.0775	-.00001	-.00436	235.78	.00076	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01373**	**.00418**	**1.1203**	**46.001**	**.04795**	**29.067**	**.90186**	**.00175**	W **601.42**	**.07470**
Stddev	.00005	.00014	.0137	.419	.00334	.222	.00749	.00015	7.07	.00016
%RSD	.34671	3.2476	1.2188	.91113	6.9697	.76530	.83005	8.3112	1.1763	.21697
#1	.01369	.00427	1.1106	45.704	.04559	29.224	.90715	.00165	596.41	.07458
#2	.01376	.00408	1.1299	46.297	.05032	28.910	.89656	.00185	606.42	.07481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68670**	**-.00017**	**26.314**	**.02152**	**.00786**	**14.300**	**30.602**	**.00193**	**2.8973**	**-.00222**
Stddev	.00937	.00050	.108	.00061	.00256	.069	.148	.00045	.0326	.00153
%RSD	1.3651	286.46	.40993	2.8505	32.563	.48377	.48377	23.275	1.1251	68.717
#1	.68007	.00018	26.238	.02109	.00967	14.251	30.497	.00225	2.8743	-.00114
#2	.69333	-.00053	26.391	.02196	.00605	14.349	30.707	.00161	2.9204	-.00330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01304**	**-.00065**	**.02281**	**.01509**	**.02030**	**.00247**
Stddev	.00042	.00093	.03384	.00032	.00075	.00069
%RSD	3.2539	144.72	148.35	2.1301	3.6851	27.959
#1	.01334	-.00131	-.00112	.01532	.02083	.00198
#2	.01274	.00002	.04674	.01486	.01977	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7695.5**	**92914.**	**9971.3**
Stddev	36.4	975.	93.5
%RSD	.47350	1.0489	.93723
#1	7721.2	92225.	9905.2
#2	7669.7	93603.	10037.

Sample Name: 280-50423-c-1-g Acquired: 1/2/2014 10:18:54 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.30118**	**.00377**	**.33920**	**.08731**	**-.00003**	**-.00324**	**109.96**	**.00055**	**.00036**
Stddev	.00013	.00116	.00059	.00209	.00002	.00005	.00125	.78	.00023	.00007
%RSD	27.133	.38655	15.686	.61690	.02043	153.57	38.698	.70967	40.960	18.377
#1	.00040	.30035	.00419	.33772	.08730	-.00006	-.00235	109.41	.00071	.00040
#2	.00058	.30200	.00335	.34068	.08732	.00000	-.00413	110.52	.00039	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00401**	**.35529**	**2.3556**	**.02265**	**10.065**	**.05507**	**.00766**	**51.125**	**.00401**
Stddev	.00008	.00018	.00239	.0331	.00030	.001	.00005	.00010	.440	.00006
%RSD	11.468	4.4342	.67242	1.4069	1.3226	.00733	.09607	1.2945	.85984	1.5182
#1	.00075	.00413	.35698	2.3790	.02286	10.066	.05511	.00773	51.436	.00397
#2	.00064	.00388	.35360	2.3321	.02244	10.065	.05503	.00759	50.814	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05148**	**.00092**	**43.232**	**.00348**	**-.00119**	**7.5831**	**16.228**	**-.00012**	**1.7606**	**-.00133**
Stddev	.00114	.00137	.154	.00116	.00121	.0295	.063	.00035	.0075	.00062
%RSD	2.2083	148.64	.35568	33.393	101.23	.38917	.38917	286.87	.42329	46.600
#1	.05228	-.00005	43.124	.00430	-.00204	7.5622	16.183	-.00037	1.7553	-.00176
#2	.05068	.00190	43.341	.00266	-.00034	7.6039	16.272	.00012	1.7659	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00301**	**-.00052**	**.00273**	**.00191**	**.00935**	**.00100**
Stddev	.00039	.00051	.04985	.00015	.00030	.00086
%RSD	12.968	97.311	1823.3	8.0909	3.2571	85.531
#1	.00274	-.00088	-.03252	.00180	.00914	.00040
#2	.00329	-.00016	.03799	.00202	.00957	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7832.3**	**95956.**	**9821.7**
Stddev	19.7	214.	38.4
%RSD	.25141	.22283	.39058
#1	7846.2	95805.	9848.8
#2	7818.3	96107.	9794.5

Sample Name: 280-50423-c-2-c Acquired: 1/2/2014 10:21:15 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.05677**	**-.00102**	**3.0910**	**.01878**	**-.00004**	**-.00426**	**168.90**	**.00058**	**-.00002**
Stddev	.00049	.00054	.00218	.0188	.00003	.00003	.00029	4.39	.00001	.00005
%RSD	111.03	.95129	214.13	.60695	.13528	73.401	6.9003	2.6014	1.5513	186.68
#1	-.00010	.05715	.00052	3.1043	.01876	-.00007	-.00405	165.80	.00057	.00001
#2	-.00079	.05638	-.00256	3.0778	.01880	-.00002	-.00447	172.01	.00058	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00134**	**.10851**	**4.9002**	**.07056**	**12.496**	**2.2713**	**.00605**	W **999.31**	**.00079**
Stddev	.00001	.00027	.00226	.1100	.00321	.004	.0076	.00008	11.13	.00052
%RSD	12.638	20.002	2.0856	2.2457	4.5428	.03554	.33554	1.3125	1.1139	65.616
#1	.00010	.00153	.10691	4.8224	.06829	12.499	2.2767	.00611	991.44	.00042
#2	.00012	.00115	.11011	4.9780	.07283	12.493	2.2659	.00600	1007.2	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03341**	**.00001**	F **297.09**	**.00240**	**.00186**	**10.770**	**23.049**	**-.00103**	**1.0837**	**-.00091**
Stddev	.00145	.00037	2.10	.00109	.00149	.134	.286	.00016	.0130	.00212
%RSD	4.3393	3207.9	.70538	45.308	80.148	1.2403	1.2403	15.927	1.1997	233.68
#1	.03444	-.00025	298.58	.00163	.00291	10.676	22.846	-.00092	1.0745	.00059
#2	.03239	.00027	295.61	.00316	.00080	10.865	23.251	-.00115	1.0929	-.00240
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**-.00190**	**.02247**	**.00047**	**.00449**	**-.00038**
Stddev	.00010	.00061	.04024	.00016	.00028	.00082
%RSD	10.740	31.912	179.10	33.109	6.3241	216.73
#1	.00098	-.00233	-.00599	.00059	.00429	.00020
#2	.00084	-.00147	.05092	.00036	.00469	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7308.0**	**87079.**	**9465.8**
Stddev	45.3	404.	150.1
%RSD	.62031	.46402	1.5861
#1	7275.9	86793.	9572.0
#2	7340.0	87364.	9359.7

Sample Name: 280-50423-c-3-c Acquired: 1/2/2014 10:23:48 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00746**	**.00336**	**.89562**	**.02667**	**.00004**	**-.00243**	**130.67**	**.00027**	**.00002**
Stddev	.00013	.00004	.00157	.00038	.00045	.00005	.00084	1.97	.00006	.00012
%RSD	103.20	.48478	46.759	.04231	1.6868	116.05	34.564	1.5085	21.332	620.90
#1	.00021	.00749	.00225	.89589	.02635	.00001	-.00303	129.28	.00023	-.00006
#2	.00003	.00744	.00447	.89535	.02699	.00007	-.00184	132.07	.00031	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00105**	**1.4075**	**2.3342**	**.03306**	**9.3669**	**.46504**	**.00256**	**292.62**	**.00066**
Stddev	.00024	.00053	.0163	.0891	.00011	.0403	.00191	.00005	4.06	.00017
%RSD	137.67	50.236	1.1561	3.8185	.34427	.43054	.41023	1.8879	1.3884	26.312
#1	.00034	.00068	1.3960	2.2712	.03297	9.3954	.46639	.00259	289.75	.00078
#2	.00000	.00143	1.4190	2.3973	.03314	9.3384	.46370	.00253	295.49	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01695**	**-.00072**	**104.10**	**.00161**	**.00005**	**9.1618**	**19.606**	**-.00076**	**.99532**	**-.00064**
Stddev	.00286	.00046	.24	.00021	.00136	.1504	.322	.00012	.01548	.00178
%RSD	16.901	63.704	.23236	12.735	2970.9	1.6415	1.6415	15.492	1.5555	280.83
#1	.01493	-.00040	103.93	.00146	-.00092	9.0554	19.379	-.00084	.98438	.00063
#2	.01898	-.00105	104.27	.00175	.00101	9.2681	19.834	-.00068	1.0063	-.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00070**	**-.03592**	**.00007**	**.00433**	**.00009**
Stddev	.00030	.00004	.01903	.00038	.00029	.00101
%RSD	134.74	5.9202	52.960	519.81	6.7396	1166.8
#1	-.00044	-.00073	-.04938	.00034	.00453	-.00063
#2	-.00001	-.00067	-.02247	-.00019	.00412	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7540.8**	**91314.**	**9446.2**
Stddev	20.1	337.	54.0
%RSD	.26609	.36947	.57121
#1	7555.0	91075.	9484.3
#2	7526.6	91552.	9408.0

Sample Name: 280-50423-c-4-c Acquired: 1/2/2014 10:26:14 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.16322**	**.00219**	**4.4070**	**.02982**	**.00003**	**-.00056**	**106.44**	**.00033**	**-.00003**
Stddev	.00028	.00475	.00312	.0875	.00028	.00003	.00114	.75	.00002	.00013
%RSD	91.470	2.9087	142.79	1.9843	.94896	88.934	203.53	.70625	5.3140	452.34
#1	-.00050	.16657	.00440	4.4688	.02962	.00005	-.00136	105.91	.00034	-.00012
#2	-.00011	.15986	-.00002	4.3451	.03002	.00001	.00025	106.97	.00032	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00145**	**3.6221**	**7.6836**	**.12281**	**14.846**	**.13363**	**.00504**	RW **1827.4**	**.00044**
Stddev	.00005	.00034	.0171	.2659	.00207	.018	.00092	.00004	5.4	.00033
%RSD	8.5150	23.396	.47292	3.4611	1.6858	.11978	.68500	.77891	.29775	74.006
#1	.00064	.00169	3.6100	7.4956	.12134	14.859	.13428	.00501	1823.6	.00067
#2	.00056	.00121	3.6342	7.8717	.12427	14.834	.13299	.00507	1831.2	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18171**	**-.00059**	F **428.68**	**.00072**	**.00010**	**7.6455**	**16.361**	**-.00043**	**2.8636**	**-.00034**
Stddev	.00349	.00010	8.69	.00058	.00370	.0510	.109	.00006	.0087	.00104
%RSD	1.9194	16.382	2.0271	81.326	3555.6	.66771	.66771	13.307	.30385	307.70
#1	.18418	-.00066	434.82	.00113	.00272	7.6094	16.284	-.00039	2.8575	-.00107
#2	.17924	-.00052	422.53	.00031	-.00251	7.6816	16.439	-.00047	2.8698	.00040
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00283**	**-.00048**	**-.00125**	**.00074**	**.00444**	**.00088**
Stddev	.00001	.00033	.00235	.00016	.00006	.00051
%RSD	.40477	69.266	188.51	22.108	1.2841	57.856
#1	.00284	-.00025	.00042	.00063	.00440	.00124
#2	.00282	-.00072	-.00291	.00086	.00448	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7071.9**	**81277.**	**9064.2**
Stddev	142.6	513.	92.3
%RSD	2.0170	.63062	1.0185
#1	6971.1	80915.	9129.5
#2	7172.8	81640.	8998.9

Sample Name: 280-50423-c-6-c Acquired: 1/2/2014 10:29:16 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.22222**	**-.00095**	**.18060**	**.03239**	**-.00002**	**-.00109**	**259.52**	**.00033**	**-.00021**
Stddev	.00023	.00085	.00126	.00071	.00051	.00001	.00051	1.36	.00005	.00017
%RSD	41.808	.38034	132.22	.39154	1.5782	41.013	47.299	.52216	16.103	81.756
#1	-.00073	.22163	-.00185	.18110	.03203	-.00001	-.00072	258.57	.00037	-.00033
#2	-.00039	.22282	-.00006	.18010	.03275	-.00002	-.00145	260.48	.00029	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00153**	**.17412**	**.81807**	**.01984**	**17.417**	**.01090**	**.00989**	**81.510**	**.00263**
Stddev	.00007	.00015	.00062	.00901	.00201	.053	.00006	.00003	.021	.00015
%RSD	16.683	9.8430	.35702	1.1017	10.145	.30309	.55686	.28226	.02601	5.8058
#1	.00039	.00142	.17368	.81170	.01842	17.380	.01094	.00991	81.495	.00252
#2	.00049	.00163	.17456	.82445	.02127	17.455	.01085	.00987	81.525	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03183**	**.00032**	**143.77**	**.00355**	**.00004**	**9.5440**	**20.424**	**-.00070**	**2.6192**	**-.00200**
Stddev	.00148	.00144	.54	.00174	.00075	.0946	.202	.00049	.0063	.00059
%RSD	4.6590	454.84	.37417	48.943	1838.8	.99111	.99111	70.388	.23929	29.718
#1	.03078	-.00070	143.39	.00232	-.00049	9.4771	20.281	-.00105	2.6148	-.00158
#2	.03288	.00134	144.15	.00479	.00057	9.6109	20.567	-.00035	2.6237	-.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**.00041**	**.06275**	**.00122**	**.00512**	**.00035**
Stddev	.00042	.00018	.01703	.00007	.00007	.00135
%RSD	13.098	43.076	27.133	5.5186	1.3997	386.82
#1	.00350	.00054	.05071	.00127	.00517	-.00061
#2	.00291	.00029	.07479	.00117	.00507	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7493.1**	**91019.**	**9266.7**
Stddev	40.4	137.	68.7
%RSD	.53931	.15035	.74136
#1	7521.7	90923.	9315.3
#2	7464.5	91116.	9218.1

Sample Name: CCVH-2444534 Acquired: 1/2/2014 10:31:42 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**52.630**	**.00238**	**.00886**	**.00056**	**-.00004**	W **1.0514**	**-.00406**	**-.00023**	**-.00083**	**-.00021**	**-.00978**
Stddev	.00005	.649	.00122	.00009	.00029	.00002	.0012	.00616	.00009	.00003	.00011	.00077
%RSD	3.8748	1.2337	51.165	.96109	51.744	39.428	.11295	151.81	40.034	3.1830	49.919	7.8854
#1	.00127	52.171	.00324	.00892	.00036	-.00005	1.0523	.00030	-.00017	-.00085	-.00014	-.01033
#2	.00120	53.089	.00152	.00880	.00077	-.00003	1.0506	-.00842	-.00030	-.00081	-.00029	-.00924
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.508**	**.12342**	**.00139**	**-.08656**	**.00127**	**-.00008**	**258.97**	**.00064**	**-.00133**	**.00052**	**5.0958**	**-.01478**
Stddev	.597	.00409	.00097	.00477	.00009	.00020	2.30	.00010	.00013	.00153	.0092	.00111
%RSD	1.1163	3.3154	69.765	5.5117	7.3481	249.72	.88885	15.958	10.170	296.07	.18128	7.5342
#1	53.085	.12052	.00208	-.08319	.00133	-.00022	257.34	.00057	-.00142	-.00056	5.0892	-.01557
#2	53.930	.12631	.00071	-.08993	.00120	.00006	260.60	.00071	-.00123	.00160	5.1023	-.01399
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00322**	**.00443**	**.00948**	**-.00082**	**.00043**	**5.1853**	**-.00733**	**-.00101**	W **10.630**	**-.00245**	**.00036**	**.01502**
Stddev	.00219	.01335	.02856	.00025	.00009	.0003	.00003	.00019	.068	.00014	.00018	.00056
%RSD	68.058	301.13	301.13	30.957	20.079	.00631	.40509	18.368	.63538	5.6745	49.539	3.7376
#1	-.00167	.01387	.02968	-.00100	.00049	5.1856	-.00731	-.00115	10.678	-.00255	.00023	.01462
#2	-.00477	-.00500	-.01071	-.00064	.00037	5.1851	-.00736	-.00088	10.582	-.00235	.00048	.01542
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7694.4**	**91152.**	**9043.3**
Stddev	36.1	111.	68.2
%RSD	.46938	.12173	.75403
#1	7668.8	91231.	9091.5
#2	7719.9	91074.	8995.1

Sample Name: CCV-2431894 Acquired: 1/2/2014 10:34:03 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53338**	**.53417**	**1.0552**	**.53370**	**.52980**	**.51957**	**-.00627**	**5.3553**	**.51696**	**.52357**	**.53231**	**.52426**	**2.6191**
Stddev	.00128	.00203	.0010	.00081	.00136	.00029	.00147	.0084	.00150	.00113	.00015	.00170	.0017
%RSD	.24060	.37939	.09147	.15102	.25658	.05514	23.472	.15648	.29012	.21655	.02812	.32400	.06483
#1	.53247	.53560	1.0545	.53427	.52884	.51937	-.00523	5.3494	.51802	.52437	.53241	.52306	2.6203
#2	.53429	.53273	1.0559	.53313	.53076	.51978	-.00731	5.3613	.51590	.52277	.53220	.52546	2.6179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.986**	**1.0603**	**21.048**	**.51734**	**.52879**	F **5.5433**	**.51929**	**1.0293**	**1.0480**	**.03348**	**1.0442**	**1.0152**	**5.2931**
Stddev	.023	.0054	.076	.00159	.00101	.0100	.00041	.0001	.0027	.00088	.0018	.0051	.0330
%RSD	.04482	.50530	.36209	.30732	.19067	.17973	.07974	.00834	.25516	2.6253	.17176	.50173	.62368
#1	51.969	1.0565	20.994	.51622	.52951	5.5363	.51958	1.0294	1.0499	.03410	1.0454	1.0116	5.2698
#2	52.002	1.0640	21.102	.51847	.52808	5.5504	.51899	1.0293	1.0461	.03286	1.0429	1.0188	5.3164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.327**	**1.0558**	**.52089**	**-.00512**	**.51945**	**1.0662**	**.03665**	**.51780**	**.52566**	**.52322**
Stddev	.071	.0012	.00066	.00272	.00216	.0030	.05502	.00107	.00489	.00299
%RSD	.62368	.11424	.12621	53.103	.41644	.28151	150.12	.20627	.93090	.57145
#1	11.277	1.0567	.52043	-.00320	.51792	1.0684	-.00225	.51704	.52220	.52111
#2	11.377	1.0550	.52136	-.00704	.52098	1.0641	.07555	.51855	.52912	.52534
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7745.7**	**93009.**	**8936.1**
Stddev	20.9	744.	23.7
%RSD	.26921	.80012	.26509
#1	7760.4	93535.	8919.4
#2	7730.9	92483.	8952.9

Sample Name: CCB Acquired: 1/2/2014 10:36:11 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00180**	**.00090**	W **.00517**	**.00020**	**-.00003**	**-.00221**	**-.00267**	**.00011**	**.00003**	**.00006**	**-.00008**
Stddev	.00024	.00004	.00285	.00065	.00041	.00004	.00336	.00076	.00008	.00015	.00004	.00024
%RSD	138.06	2.1254	317.85	12.656	200.47	126.68	152.07	28.621	70.666	494.95	79.935	318.68
#1	-.00034	-.00177	-.00112	.00563	.00050	.00000	-.00459	-.00213	.00017	-.00007	.00009	.00010
#2	.00000	-.00183	.00291	.00471	-.00009	-.00006	.00017	-.00321	.00006	.00013	.00002	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.02862**	**.00091**	**.00103**	**-.00002**	**.00054**	W **.15534**	**-.00058**	**-.00344**	**.00012**	**.02156**	**.00310**
Stddev	.00027	.04857	.00046	.00315	.00003	.00015	.01225	.00014	.00054	.00035	.00116	.00030
%RSD	582.92	169.71	50.389	306.38	137.86	27.132	7.8877	23.673	15.557	292.99	5.3640	9.7709
#1	.00014	.06296	.00123	-.00120	-.00005	.00044	.16400	-.00068	-.00306	.00037	.02074	.00289
#2	-.00023	-.00572	.00059	.00326	.00000	.00064	.14668	-.00048	-.00382	-.00013	.02238	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.00517**	**.01106**	**-.00006**	**.00000**	**-.00073**	**-.00006**	**-.00042**	**.04776**	**.00036**	**.00319**	**-.00100**
Stddev	.00014	.01623	.03474	.00023	.0001	.00001	.00010	.00020	.01993	.00015	.00008	.00151
%RSD	7.0987	313.95	313.95	421.92	9409.9	1.8729	162.37	47.959	41.741	42.762	2.5186	151.35
#1	-.00184	-.00631	-.01350	.00011	.00008	-.00072	-.00013	-.00057	.06185	.00047	.00325	.00007
#2	-.00204	.01665	.03563	-.00022	-.00008	-.00074	.00001	-.00028	.03366	.00025	.00314	-.00207
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7866.7**	**95460.**	**8915.9**
Stddev	34.8	378.	13.2
%RSD	.44269	.39546	.14809
#1	7891.3	95193.	8925.3
#2	7842.1	95727.	8906.6

Sample Name: CCVL-2445883 Acquired: 1/2/2014 10:38:31 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**.11314**	**.01692**	**.11242**	**.01098**	**.00101**	**.11895**	**.23038**	**.00540**	**.01097**	**.01125**	**.01664**	**.10966**
Stddev	.00004	.00014	.00325	.00068	.00009	.00003	.00305	.00086	.00001	.00005	.00021	.00031	.00068
%RSD	.39426	.12001	19.231	.60395	.85572	3.2061	2.5676	.37385	.19521	.47305	1.8645	1.8840	.61695
#1	.01110	.11304	.01462	.11194	.01105	.00103	.11679	.22978	.00539	.01093	.01140	.01687	.11014
#2	.01104	.11323	.01922	.11290	.01092	.00099	.12111	.23099	.00541	.01100	.01110	.01642	.10919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1914**	**.01130**	**.22895**	**.01086**	**.02095**	**1.2219**	**.04332**	**3.1411**	**.00984**	**.01629**	**.01141**	**.01276**	**.54481**
Stddev	.0044	.00002	.00139	.00004	.00012	.0008	.00042	.0129	.00032	.00135	.00016	.00289	.00146
%RSD	.13917	.21427	.60750	.38674	.58232	.06564	.96748	.40947	3.2429	8.2741	1.3740	22.691	.26852
#1	3.1883	.01132	.22993	.01089	.02104	1.2225	.04302	3.1320	.01006	.01724	.01129	.01071	.54377
#2	3.1945	.01128	.22797	.01083	.02086	1.2213	.04362	3.1502	.00961	.01534	.01152	.01480	.54584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1659**	**.11028**	**.01074**	**.01509**	**.01050**	**.01771**	F **.14201**	**.01069**	**.02441**	**.01612**
Stddev	.0031	.00065	.00002	.00047	.00003	.00017	.00927	.00009	.00018	.00114
%RSD	.26852	.58607	.21617	3.0933	.32855	.94125	6.5257	.81506	.74262	7.0649
#1	1.1637	.10983	.01072	.01542	.01052	.01759	.14857	.01063	.02428	.01693
#2	1.1681	.11074	.01075	.01476	.01047	.01783	.13546	.01076	.02453	.01532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8037.1**	**96638.**	**9090.2**
Stddev	10.9	125.	80.0
%RSD	.13604	.12902	.88055
#1	8029.3	96726.	9146.8
#2	8044.8	96549.	9033.6

Sample Name: 280-50423-c-7-c Acquired: 1/2/2014 10:40:51 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00099**	**.00084**	**.18396**	**.03327**	**-.00004**	**-.00254**	**281.79**	**.00056**	**.00152**
Stddev	.00036	.00018	.00228	.00007	.00028	.00004	.00021	1.85	.00003	.00018
%RSD	126.95	17.864	269.66	.03749	.84489	110.00	8.2992	.65683	5.7126	11.607
#1	.00003	.00111	-.00077	.18401	.03346	-.00007	-.00239	283.10	.00053	.00140
#2	.00054	.00086	.00245	.18391	.03307	-.00001	-.00269	280.48	.00058	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00093**	**.75641**	**2.6392**	**.03069**	**18.488**	**2.0498**	**.00319**	**255.57**	**.00167**
Stddev	.00006	.00021	.00138	.0062	.00023	.065	.0095	.00014	2.26	.00012
%RSD	22.365	22.743	.18195	.23315	.74443	.35037	.46378	4.2607	.88549	6.9745
#1	.00022	.00078	.75543	2.6348	.03085	18.442	2.0431	.00328	253.97	.00159
#2	.00030	.00108	.75738	2.6435	.03053	18.534	2.0565	.00309	257.17	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02325**	**-.00093**	F **222.93**	**.00466**	**.00260**	**9.2980**	**19.898**	**-.00014**	**2.6024**	**.00069**
Stddev	.00085	.00070	.37	.00114	.00192	.0569	.122	.00074	.0235	.00071
%RSD	3.6654	76.023	.16415	24.405	73.942	.61186	.61186	529.62	.90166	102.06
#1	.02386	-.00043	223.19	.00385	.00396	9.2578	19.812	.00038	2.5858	.00119
#2	.02265	-.00142	222.68	.00546	.00124	9.3382	19.984	-.00066	2.6190	.00019
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00050**	**-.03624**	**.00053**	**.00535**	**.00067**
Stddev	.00035	.00085	.01043	.00014	.00030	.00022
%RSD	121.16	170.30	28.783	26.711	5.6120	32.823
#1	-.00054	-.00110	-.02887	.00043	.00556	.00083
#2	-.00004	.00010	-.04362	.00063	.00514	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7378.9**	**87411.**	**9054.5**
Stddev	46.2	56.	1.4
%RSD	.62654	.06416	.01568
#1	7346.2	87451.	9053.5
#2	7411.6	87372.	9055.5

Sample Name: 280-50423-c-8-c Acquired: 1/2/2014 10:43:23 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00158**	**.00026**	**.18488**	**.03195**	**-.00001**	**-.00048**	**284.30**	**.00052**	**.00145**
Stddev	.00012	.00006	.00221	.00039	.00063	.00007	.00024	6.07	.00007	.00013
%RSD	45.707	3.7374	841.78	.21335	1.9870	614.77	50.566	2.1344	13.603	8.7561
#1	-.00034	.00154	.00183	.18460	.03150	.00004	-.00031	280.01	.00047	.00136
#2	-.00018	.00162	-.00130	.18516	.03240	-.00006	-.00065	288.59	.00057	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00079**	**.78331**	**2.7377**	**.03209**	**18.429**	**2.1014**	**.00359**	**259.03**	**.00168**
Stddev	.00002	.00024	.01114	.0488	.00109	.073	.0024	.00013	2.83	.00035
%RSD	19.302	30.943	1.4222	1.7835	3.3893	.39580	.11302	3.5029	1.0916	20.935
#1	.00010	.00096	.77543	2.7032	.03286	18.480	2.0998	.00350	257.03	.00193
#2	.00008	.00062	.79119	2.7722	.03132	18.377	2.1031	.00368	261.03	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02195**	**-.00099**	F **225.32**	**.00378**	**-.00107**	**9.3628**	**20.036**	**-.00064**	**2.6395**	**-.00026**
Stddev	.00009	.00209	1.29	.00072	.00272	.0133	.028	.00032	.0246	.00109
%RSD	.39457	211.35	.57333	19.165	252.91	.14174	.14174	49.996	.93265	415.16
#1	.02201	.00049	224.41	.00327	-.00300	9.3534	20.016	-.00041	2.6221	-.00103
#2	.02189	-.00246	226.24	.00430	.00085	9.3722	20.056	-.00087	2.6569	.00051
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00074**	**-.00432**	**.00062**	**.00650**	**-.00030**
Stddev	.00003	.00012	.00673	.00001	.00014	.00053
%RSD	16.430	16.812	155.70	1.2171	2.1194	173.74
#1	-.00021	-.00065	-.00907	.00063	.00660	.00007
#2	-.00017	-.00083	.00044	.00062	.00640	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7432.7**	**88979.**	**9282.2**
Stddev	25.1	51.	43.0
%RSD	.33827	.05717	.46351
#1	7414.9	88943.	9312.6
#2	7450.5	89015.	9251.7

Sample Name: 280-50423-c-9-c Acquired: 1/2/2014 10:45:56 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.25580**	**.00250**	**.18726**	**.04918**	**.00002**	**-.00269**	**237.13**	**.00051**	**.00007**
Stddev	.00004	.00067	.00021	.00101	.00017	.00002	.00174	3.78	.00013	.00047
%RSD	8.0446	.26285	8.3571	.53701	.34163	117.68	64.739	1.5952	25.490	724.96
#1	.00051	.25533	.00235	.18655	.04906	.00004	-.00392	234.45	.00042	-.00027
#2	.00057	.25628	.00265	.18797	.04930	.00000	-.00146	239.80	.00061	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00145**	**.84122**	**2.4494**	**.03278**	**14.667**	**.76718**	**.00262**	**232.85**	**.00103**
Stddev	.00015	.00010	.00076	.0065	.00061	.015	.00023	.00034	1.06	.00009
%RSD	40.673	7.0864	.08986	.26467	1.8709	.10505	.03039	13.059	.45327	8.6950
#1	.00026	.00152	.84069	2.4448	.03322	14.656	.76701	.00286	232.10	.00096
#2	.00047	.00137	.84176	2.4540	.03235	14.677	.76734	.00237	233.59	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02857**	**-.00073**	**177.12**	**.00254**	**-.00062**	**9.1826**	**19.651**	**-.00023**	**2.4635**	**-.00079**
Stddev	.00105	.00180	.49	.00235	.00337	.0456	.098	.00033	.0044	.00049
%RSD	3.6912	248.00	.27868	92.725	546.38	.49621	.49621	145.31	.17765	62.151
#1	.02782	.00055	176.77	.00420	-.00300	9.1504	19.582	.00001	2.4604	-.00113
#2	.02932	-.00200	177.46	.00087	.00177	9.2149	19.720	-.00046	2.4666	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00484**	**-.00057**	**-.00278**	**.00137**	**.00556**	**.00039**
Stddev	.00005	.00007	.00602	.00034	.00016	.00109
%RSD	1.1271	11.939	216.26	24.538	2.9456	277.41
#1	.00488	-.00052	-.00704	.00161	.00545	.00117
#2	.00480	-.00062	.00147	.00114	.00568	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7560.2**	**92042.**	**9659.2**
Stddev	9.7	155.	48.5
%RSD	.12895	.16853	.50226
#1	7567.1	92152.	9693.5
#2	7553.3	91933.	9624.9

Sample Name: 280-50423-c-10-c Acquired: 1/2/2014 10:48:23 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00364**	**.00486**	**.19152**	**.03591**	**.00004**	**-.00155**	**217.08**	**.00055**	**.00192**
Stddev	.00038	.00007	.00039	.00025	.00021	.00003	.00240	1.91	.00011	.00004
%RSD	183.99	1.8995	8.0851	.13197	.58482	69.977	155.06	.87919	19.643	2.1109
#1	.00006	.00359	.00513	.19134	.03576	.00006	-.00325	215.73	.00063	.00190
#2	-.00048	.00369	.00458	.19169	.03606	.00002	.00015	218.43	.00047	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00096**	**3.8390**	**1.8391**	**.03006**	**14.764**	**1.1737**	**.00236**	**213.88**	**.00192**
Stddev	.00007	.00005	.0041	.0028	.00218	.061	.0037	.00010	.33	.00038
%RSD	92.953	5.2790	.10781	.15255	7.2541	.41658	.31914	4.3800	.15277	19.858
#1	-.00013	.00093	3.8361	1.8411	.02852	14.720	1.1710	.00228	214.11	.00219
#2	-.00003	.00100	3.8420	1.8371	.03160	14.807	1.1763	.00243	213.65	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03666**	**-.00060**	**137.67**	**.00302**	**-.00398**	**9.9111**	**21.210**	**-.00068**	**2.1862**	**.00076**
Stddev	.00032	.00079	.45	.00264	.00303	.0176	.038	.00017	.0025	.00070
%RSD	.87471	132.54	.32621	87.328	76.209	.17759	.17759	25.123	.11509	92.489
#1	.03643	-.00116	137.35	.00116	-.00613	9.8987	21.183	-.00056	2.1844	.00126
#2	.03688	-.00004	137.99	.00488	-.00184	9.9236	21.236	-.00080	2.1879	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00071**	**.02618**	**.00007**	**.00573**	**-.00034**
Stddev	.00016	.00038	.02068	.00015	.00019	.00053
%RSD	252.83	53.772	78.993	215.79	3.3230	156.74
#1	-.00018	-.00098	.01156	-.00004	.00586	-.00071
#2	.00005	-.00044	.04080	.00018	.00560	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7610.0**	**92445.**	**9748.6**
Stddev	16.9	205.	3.8
%RSD	.22234	.22206	.03856
#1	7622.0	92590.	9751.3
#2	7598.0	92300.	9746.0

Sample Name: 280-50423-c-11-c Acquired: 1/2/2014 10:50:50 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.05028**	**-.00077**	**.22095**	**.07461**	**.00000**	**-.00298**	**207.98**	**.00043**	**.00124**
Stddev	.00075	.00014	.00039	.00018	.00038	.0000	.00111	.35	.00004	.00023
%RSD	425.15	.28731	50.423	.08272	.50353	724.07	37.249	.16655	10.196	18.146
#1	-.00070	.05039	-.00105	.22082	.07434	.00002	-.00220	207.73	.00040	.00108
#2	.00035	.05018	-.00050	.22108	.07487	-.00003	-.00377	208.22	.00046	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00091**	**1.5195**	**2.4737**	**.03389**	**14.591**	**.39971**	**.00471**	**219.49**	**.00340**
Stddev	.00002	.00050	.0084	.0248	.00018	.057	.00059	.00012	2.17	.00030
%RSD	7.1433	54.622	.55009	1.0007	.53440	.39131	.14656	2.6160	.98808	8.8538
#1	.00025	.00056	1.5136	2.4562	.03376	14.550	.39929	.00462	217.96	.00361
#2	.00027	.00127	1.5254	2.4912	.03401	14.631	.40012	.00479	221.03	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03982**	**-.00148**	**118.00**	**.00295**	**-.00163**	**10.106**	**21.626**	**-.00115**	**1.8000**	**-.00179**
Stddev	.00025	.00145	.17	.00135	.00203	.108	.231	.00011	.0150	.00077
%RSD	.61876	97.910	.14389	45.728	124.70	1.0703	1.0703	9.2259	.83052	43.163
#1	.04000	-.00046	118.12	.00200	-.00306	10.029	21.462	-.00108	1.7894	-.00124
#2	.03965	-.00251	117.88	.00391	-.00019	10.182	21.790	-.00123	1.8106	-.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**-.00014**	**.04407**	**.00032**	**.00669**	**.00061**
Stddev	.00031	.00051	.00294	.00017	.00017	.00145
%RSD	58.919	371.64	6.6698	53.712	2.6031	238.75
#1	.00031	.00023	.04615	.00044	.00681	.00163
#2	.00075	-.00050	.04199	.00020	.00657	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7585.8**	**92586.**	**9801.5**
Stddev	10.8	8.	101.2
%RSD	.14300	.00894	1.0322
#1	7578.2	92580.	9873.1
#2	7593.5	92592.	9730.0

Sample Name: 280-50423-c-12-c Acquired: 1/2/2014 10:53:20 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00147**	**.00549**	**.37147**	**.11028**	**.00000**	**-.00137**	**127.16**	**.00045**	**-.00020**
Stddev	.00048	.00020	.00280	.00054	.00091	.0000	.00001	.98	.00015	.00009
%RSD	755.19	13.303	51.067	.14420	.82731	338.05	.81746	.77430	34.102	46.733
#1	-.00028	.00161	.00351	.37109	.10964	-.00001	-.00136	126.46	.00034	-.00013
#2	.00041	.00133	.00748	.37185	.11093	.00001	-.00138	127.85	.00056	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00044**	**9.3769**	**2.8973**	**.02170**	**15.681**	**.70630**	**.00620**	**100.30**	**.00052**
Stddev	.00003	.00003	.0689	.0092	.00043	.043	.00014	.00001	.74	.00011
%RSD	16.518	7.8471	.73536	.31789	1.9593	.27440	.01944	.11452	.74249	21.071
#1	.00013	.00041	9.3282	2.8908	.02200	15.651	.70640	.00620	99.769	.00060
#2	.00017	.00046	9.4257	2.9038	.02140	15.712	.70620	.00619	100.82	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16333**	**-.00056**	**23.258**	**.00093**	**-.00055**	**9.7091**	**20.778**	**.00027**	**1.9341**	**-.00044**
Stddev	.00182	.00009	.028	.00246	.00006	.0752	.161	.00031	.0080	.00059
%RSD	1.1172	15.459	.12121	265.57	11.236	.77490	.77490	111.91	.41494	133.28
#1	.16204	-.00050	23.238	.00266	-.00060	9.6559	20.664	.00049	1.9285	-.00086
#2	.16462	-.00062	23.278	-.00081	-.00051	9.7623	20.891	.00006	1.9398	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00090**	**.03262**	**.00027**	**.00331**	**.00029**
Stddev	.00003	.00050	.04794	.00029	.00002	.00078
%RSD	11.872	55.349	146.97	109.91	.72050	266.14
#1	-.00026	-.00126	-.00128	.00047	.00332	-.00026
#2	-.00031	-.00055	.06651	.00006	.00329	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7881.5**	**95942.**	**10053.**
Stddev	4.3	217.	155.
%RSD	.05460	.22646	1.5456
#1	7878.4	96095.	10163.
#2	7884.5	95788.	9943.3

Sample Name: 280-50423-c-12-cSD@5 Acquired: 1/2/2014 10:55:41 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00011**	**.00105**	**.07696**	**.02298**	**-.00002**	**-.00027**	**26.396**	**.00026**	**-.00016**
Stddev	.00009	.00020	.00329	.00017	.00001	.00006	.00044	.021	.00002	.00030
%RSD	19.205	179.03	313.81	.22696	.03857	365.11	163.82	.07928	7.6553	190.13
#1	.00039	-.00003	.00337	.07708	.02298	-.00006	-.00058	26.382	.00025	-.00037
#2	.00052	.00026	-.00128	.07684	.02297	.00002	.00004	26.411	.00028	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00015**	**1.9788**	**.66282**	**.00586**	**3.3313**	**.14667**	**.00138**	**20.803**	**-.00021**
Stddev	.00006	.00002	.0086	.00246	.00018	.0052	.00013	.00027	.123	.00005
%RSD	61.425	13.335	.43571	.37088	3.0802	.15493	.08560	19.802	.59327	23.910
#1	-.00006	.00014	1.9849	.66109	.00599	3.3349	.14659	.00157	20.715	-.00018
#2	-.00015	.00017	1.9727	.66456	.00573	3.3276	.14676	.00119	20.890	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02874**	**-.00103**	**4.6528**	**.00051**	**-.00230**	**1.9867**	**4.2514**	**-.00076**	**.39630**	**.00046**
Stddev	.00087	.00073	.0091	.00060	.00091	.0129	.0277	.00017	.00124	.00112
%RSD	3.0260	71.379	.19569	117.89	39.508	.65106	.65106	22.282	.31297	243.43
#1	.02936	-.00155	4.6463	.00093	-.00295	1.9775	4.2319	-.00088	.39543	-.00033
#2	.02813	-.00051	4.6592	.00008	-.00166	1.9958	4.2710	-.00064	.39718	.00125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00040**	**.03869**	**.00014**	**.00443**	**.00001**
Stddev	.00036	.00005	.01541	.00014	.00002	.00096
%RSD	1513.0	13.520	39.837	103.97	.47177	8320.4
#1	-.00023	-.00044	.02779	.00004	.00442	.00069
#2	.00028	-.00036	.04959	.00024	.00445	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.4**	**99488.**	**9968.2**
Stddev	24.3	164.	3.6
%RSD	.29616	.16489	.03660
#1	8172.2	99372.	9970.8
#2	8206.5	99604.	9965.6

Sample Name: 280-50423-c-12-d ms Acquired: 1/2/2014 10:58:04 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05727**	**2.4090**	W **2.7077**	**1.1363**	**1.4626**	**2.2700**	**.05229**	F **2.2616**	**154.51**	**.11100**
Stddev	.00065	.0022	.0130	.0048	.0034	.0044	.00009	.0077	.55	.00046
%RSD	1.1316	.08937	.48059	.42508	.23043	.19266	.17838	.34165	.35705	.41736
#1	.05681	2.4106	2.7169	1.1398	1.4650	2.2669	.05222	2.2671	154.12	.11133
#2	.05773	2.4075	2.6985	1.1329	1.4602	2.2730	.05236	2.2561	154.90	.11068
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51276**	**.21690**	**.27289**	**1.4035**	**56.179**	**1.1096**	**61.534**	**.56415**	**1.0962**	**104.55**
Stddev	.00041	.00001	.00026	.0098	.248	.0046	.104	.00092	.0013	.26
%RSD	.08083	.00419	.09708	.69465	.44126	.41816	.16980	.16271	.12251	.24725
#1	.51305	.21690	.27308	1.3966	56.004	1.1063	61.460	.56480	1.0972	104.37
#2	.51246	.21691	.27270	1.4104	56.355	1.1129	61.608	.56350	1.0953	104.74
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50998**	W **11.316**	**.51342**	**43.247**	**.57596**	**2.2097**	**18.197**	**38.941**	W **2.1142**	**2.8033**
Stddev	.00080	.042	.00280	.153	.00629	.0075	.093	.200	.0010	.0107
%RSD	.15772	.37180	.54599	.35486	1.0921	.33943	.51371	.51371	.04863	.37983
#1	.51054	11.346	.51541	43.355	.58041	2.2150	18.131	38.800	2.1149	2.7958
#2	.50941	11.286	.51144	43.138	.57151	2.2044	18.263	39.083	2.1135	2.8109
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0443**	**1.0702**	**2.0334**	**2.2986**	**.52713**	**.50686**	**.53804**
Stddev	.0055	.0022	.0032	.0344	.00205	.00038	.00263
%RSD	.52670	.20518	.15820	1.4979	.38871	.07459	.48824
#1	1.0404	1.0686	2.0357	2.2743	.52568	.50660	.53619
#2	1.0482	1.0717	2.0311	2.3230	.52858	.50713	.53990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7841.5**	**95728.**	**10192.**
Stddev	9.9	65.	30.
%RSD	.12618	.06830	.29329
#1	7848.5	95774.	10213.
#2	7834.5	95682.	10171.

Sample Name: 280-50423-c-12-e msd Acquired: 1/2/2014 11:00:15 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05844**	**2.4636**	W **2.7004**	**1.1581**	**1.5025**	**2.2543**	**.05195**	F **2.2899**	**163.89**	**.11246**
Stddev	.00047	.0067	.0108	.0090	.0066	.0082	.00005	.0104	1.15	.00071
%RSD	.80719	.27278	.39874	.77406	.44076	.36409	.09169	.45375	.70281	.63459
#1	.05811	2.4588	2.6928	1.1517	1.4979	2.2484	.05198	2.2826	164.71	.11196
#2	.05878	2.4683	2.7080	1.1644	1.5072	2.2601	.05191	2.2973	163.08	.11297
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52127**	**.22201**	**.27595**	**1.4028**	**56.042**	**1.1045**	**62.973**	**.57471**	**1.1236**	**105.62**
Stddev	.00013	.00106	.00107	.0034	.316	.0055	.231	.00367	.0026	.55
%RSD	.02475	.47650	.38680	.24046	.56460	.49402	.36747	.63872	.23241	.51863
#1	.52136	.22126	.27520	1.4005	55.818	1.1007	62.810	.57211	1.1217	105.23
#2	.52117	.22276	.27671	1.4052	56.266	1.1084	63.137	.57730	1.1254	106.01
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51832**	W **11.520**	**.51931**	**45.204**	**.58767**	**2.2310**	**18.483**	**39.554**	W **2.1654**	**2.8455**
Stddev	.00062	.047	.00011	.176	.00581	.0132	.072	.154	.0097	.0123
%RSD	.11883	.40851	.02076	.38964	.98893	.58925	.38991	.38991	.44770	.43331
#1	.51789	11.487	.51938	45.079	.58356	2.2217	18.432	39.445	2.1586	2.8367
#2	.51876	11.553	.51923	45.328	.59178	2.2403	18.534	39.663	2.1723	2.8542
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0655**	**1.0935**	**2.0690**	**2.2921**	**.53712**	**.51647**	**.53453**
Stddev	.0032	.0040	.0102	.0056	.00197	.00255	.00344
%RSD	.30290	.36621	.49321	.24551	.36640	.49422	.64319
#1	1.0632	1.0907	2.0618	2.2960	.53572	.51467	.53210
#2	1.0677	1.0964	2.0762	2.2881	.53851	.51828	.53696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7684.6**	**94025.**	**10043.**
Stddev	13.1	227.	36.
%RSD	.17057	.24179	.35534
#1	7693.8	94185.	10068.
#2	7675.3	93864.	10018.

Sample Name: CCVH-2444534 Acquired: 1/2/2014 11:02:27 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**52.989**	**.00387**	**.00681**	**.00054**	**-.00008**	F **1.1152**	**-.00854**	**-.00020**	**-.00070**	**-.00030**	**-.01042**
Stddev	.00008	.379	.00003	.00008	.00039	.00006	.0012	.00158	.00005	.00031	.00011	.00043
%RSD	5.5556	.71432	.83521	1.2336	71.224	82.797	.10853	18.440	23.009	45.141	37.175	4.0916
#1	.00140	52.722	.00385	.00687	.00027	-.00003	1.1143	-.00743	-.00023	-.00048	-.00038	-.01072
#2	.00151	53.257	.00390	.00675	.00082	-.00012	1.1160	-.00966	-.00017	-.00092	-.00022	-.01012
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.719**	**.15812**	**.00196**	**-.08911**	**.00125**	**.00026**	**261.70**	**.00019**	**-.00177**	**.00028**	W **5.3618**	**-.01465**
Stddev	.265	.01256	.00049	.00111	.00002	.00019	1.06	.00002	.00165	.00124	.0025	.00098
%RSD	.49343	7.9413	24.765	1.2461	1.5561	72.552	.40355	12.875	92.785	443.28	.04580	6.6742
#1	53.531	.14925	.00230	-.08989	.00124	.00013	260.95	.00020	-.00061	.00116	5.3636	-.01396
#2	53.906	.16700	.00162	-.08832	.00127	.00039	262.45	.00017	-.00294	-.00060	5.3601	-.01534
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00842**	**.01628**	**.03483**	**.00002**	**.00042**	W **5.3414**	**-.00676**	**-.00036**	F **11.049**	**-.00277**	**.00002**	**.01101**
Stddev	.00281	.00051	.00110	.00004	.00010	.0013	.00036	.00069	.060	.00000	.00049	.00307
%RSD	33.335	3.1610	3.1610	241.74	23.063	.02362	5.3699	190.74	.53868	.03109	2050.2	27.854
#1	-.01041	.01664	.03561	-.00001	.00048	5.3423	-.00702	.00013	11.007	-.00277	.00037	.00884
#2	-.00644	.01591	.03405	.00004	.00035	5.3405	-.00650	-.00085	11.091	-.00277	-.00032	.01318
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7816.4**	**93960.**	**9737.8**
Stddev	9.3	709.	117.3
%RSD	.11842	.75420	1.2051
#1	7822.9	94461.	9820.8
#2	7809.8	93459.	9654.8

Sample Name: CCV-2431894 Acquired: 1/2/2014 11:04:52 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54845**	**.53986**	**1.0925**	W **.55072**	**.53709**	**.52211**	**-.00599**	**5.3508**	**.53169**	**.53495**	**.54658**	**.54073**
Stddev	.00034	.00072	.0040	.00065	.00442	.00429	.00206	.0538	.00102	.00016	.00069	.00148
%RSD	.06181	.13280	.37093	.11737	.82266	.82177	34.394	1.0061	.19117	.03075	.12561	.27293
#1	.54869	.53935	1.0954	.55118	.53397	.51907	-.00744	5.3127	.53097	.53484	.54609	.54177
#2	.54821	.54037	1.0897	.55026	.54022	.52514	-.00453	5.3889	.53241	.53507	.54706	.53968
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value				.50000								
Range				10.000%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6068**	**51.796**	**1.0633**	**21.132**	**.52401**	**.54302**	**5.4912**	**.52803**	**1.0636**	**1.0668**	**.02574**	**1.0829**
Stddev	.0269	.469	.0083	.016	.00064	.00032	.0439	.00246	.0029	.0026	.00106	.0019
%RSD	1.0333	.90510	.78154	.07654	.12282	.05842	.80013	.46494	.27576	.24408	4.1361	.17689
#1	2.5877	51.465	1.0574	21.143	.52355	.54280	5.4601	.52630	1.0615	1.0649	.02650	1.0815
#2	2.6258	52.128	1.0692	21.120	.52446	.54325	5.5223	.52977	1.0657	1.0686	.02499	1.0842
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0538**	**5.2954**	**11.332**	**1.0778**	**.52641**	**-.00598**	**.52957**	**1.0881**	**.06511**	**.52678**	**.51983**	**.52844**
Stddev	.0056	.0674	.144	.0012	.00413	.00063	.00058	.0014	.00126	.00144	.00040	.00282
%RSD	.52975	1.2735	1.2735	.10844	.78524	10.607	.10988	.12844	1.9386	.27245	.07660	.53361
#1	1.0578	5.2478	11.230	1.0769	.52349	-.00553	.52916	1.0871	.06422	.52779	.51955	.52644
#2	1.0499	5.3431	11.434	1.0786	.52933	-.00643	.52998	1.0891	.06601	.52576	.52011	.53043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7961.3**	**97009.**	**9769.5**
Stddev	5.7	67.	64.8
%RSD	.07160	.06894	.66367
#1	7965.3	97057.	9815.4
#2	7957.3	96962.	9723.7

Sample Name: CCB Acquired: 1/2/2014 11:07:01 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00177**	**.00030**	**.00378**	**.00006**	**.00001**	**-.00030**	**-.00326**	**.00023**	**-.00008**	**-.00006**	**.00010**
Stddev	.00004	.00009	.00024	.00072	.00025	.00002	.00169	.00265	.00002	.00012	.00002	.00026
%RSD	128.32	4.9496	79.760	18.949	393.33	151.91	555.47	81.435	6.6611	138.29	33.574	257.69
#1	.00007	-.00171	.00013	.00428	.00024	.00002	.00089	-.00514	.00024	-.00017	-.00008	.00028
#2	.00000	-.00183	.00047	.00327	-.00012	.00000	-.00150	-.00138	.00021	.00000	-.00005	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.03340**	**-.00055**	**.00026**	**-.00009**	**.00034**	W **.14199**	**-.00073**	**-.00402**	**-.00033**	**.02197**	**.00124**
Stddev	.00202	.02481	.00052	.00192	.00001	.00008	.00013	.00004	.00171	.00130	.00004	.00085
%RSD	243.16	74.272	95.505	723.75	11.415	23.068	.09264	4.8460	42.423	398.62	.19431	68.621
#1	-.00060	.05094	-.00092	.00162	-.00008	.00029	.14209	-.00071	-.00282	-.00125	.02194	.00064
#2	.00226	.01586	-.00018	-.00109	-.00010	.00040	.14190	-.00076	-.00523	.00060	.02200	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00335**	**.02496**	**.05341**	**-.00092**	**-.00012**	**-.00041**	**-.00025**	**-.00060**	F **.05369**	**.00001**	**.00249**	**.00076**
Stddev	.00185	.01404	.03005	.00038	.00001	.00200	.00019	.00156	.03249	.00031	.00015	.00034
%RSD	55.124	56.257	56.257	41.112	9.1767	486.69	74.760	261.67	60.517	5154.9	6.0737	44.594
#1	-.00466	.03489	.07466	-.00065	-.00013	.00100	-.00039	.00051	.03071	-.00021	.00239	.00100
#2	-.00205	.01503	.03217	-.00119	-.00011	-.00182	-.00012	-.00170	.07666	.00022	.00260	.00052
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.2**	**100380.**	**9683.5**
Stddev	9.1	570.	47.3
%RSD	.11219	.56827	.48881
#1	8106.6	99976.	9717.0
#2	8093.8	100780.	9650.0

Sample Name: CCVL-2445883 Acquired: 1/2/2014 11:09:21 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01205**	**.11450**	**.01678**	**.11682**	**.01125**	**.00104**	**.12748**	**.22285**	**.00578**	**.01138**	**.01137**	**.01704**	**.10887**
Stddev	.00028	.00029	.00125	.00014	.00008	.00007	.00267	.00407	.00010	.00006	.00006	.00010	.00266
%RSD	2.2951	.25176	7.4735	.11889	.71073	6.9016	2.0927	1.8279	1.6801	.55526	.51909	.58415	2.4478
#1	.01224	.11430	.01767	.11672	.01131	.00099	.12560	.22573	.00585	.01134	.01141	.01697	.11076
#2	.01185	.11471	.01590	.11692	.01120	.00109	.12937	.21997	.00571	.01143	.01133	.01711	.10699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2744**	**.01077**	**.23132**	**.01091**	**.02173**	**1.2374**	**.04392**	**3.2549**	**.00963**	**.01670**	**.01182**	**.01706**	**.56071**
Stddev	.0402	.00104	.00019	.00004	.00012	.0099	.00015	.0139	.00123	.00037	.00082	.00139	.00386
%RSD	1.2265	9.6758	.08041	.36810	.55645	.80195	.35233	.42820	12.824	2.2035	6.8956	8.1201	.68897
#1	3.2460	.01004	.23118	.01094	.02181	1.2304	.04403	3.2450	.00875	.01697	.01240	.01608	.55798
#2	3.3028	.01151	.23145	.01088	.02164	1.2444	.04381	3.2647	.01050	.01644	.01125	.01804	.56344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1999**	**.11262**	**.01081**	**.01562**	**.01049**	**.01778**	F **.12838**	**.01102**	**.02388**	**.01528**
Stddev	.0083	.00069	.00018	.00037	.00018	.00014	.03457	.00005	.00027	.00017
%RSD	.68897	.61127	1.6957	2.3465	1.7264	.77889	26.930	.47964	1.1205	1.1337
#1	1.1941	.11311	.01068	.01536	.01036	.01768	.15282	.01098	.02407	.01516
#2	1.2058	.11213	.01094	.01588	.01061	.01788	.10393	.01105	.02369	.01540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8275.2**	**100780.**	**9848.0**
Stddev	14.2	690.	7.9
%RSD	.17183	.68474	.08013
#1	8285.2	100290.	9853.6
#2	8265.1	101270.	9842.5

Sample Name: 280-50463-d-1-b Acquired: 1/2/2014 11:11:41 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.58473**	**.53316**	**8.1656**	**.12567**	**.00047**	**-.00282**	**85.659**	**.00154**	**.04616**
Stddev	.00002	.00039	.00020	.0253	.00263	.00026	.00264	.144	.00001	.00011
%RSD	7.3566	.06680	.03704	.30990	2.0900	55.731	93.387	.16776	.85197	.22775
#1	.00029	.58500	.53330	8.1477	.12381	.00028	-.00469	85.558	.00153	.04623
#2	.00032	.58445	.53302	8.1835	.12753	.00065	-.00096	85.761	.00155	.04609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33248**	**.00638**	**2.3277**	F **540.83**	**.05726**	**49.874**	**.06796**	**.01081**	RW **1470.7**	**.11426**
Stddev	.00077	.00020	.0222	1.65	.00171	.091	.00020	.00014	1.2	.00029
%RSD	.23111	3.0905	.95142	.30438	2.9937	.18319	.28919	1.2869	.08485	.25371
#1	.33194	.00652	2.3120	541.99	.05605	49.939	.06810	.01091	1469.8	.11406
#2	.33302	.00624	2.3433	539.66	.05847	49.810	.06782	.01071	1471.6	.11447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6246**	**.00171**	**95.250**	**.06492**	**.01664**	**21.352**	**45.694**	**.03824**	**.62092**	**-.00270**
Stddev	.0099	.00029	.272	.00088	.00202	.077	.166	.00034	.00588	.00091
%RSD	.11493	17.028	.28606	1.3627	12.162	.36218	.36218	.88134	.94750	33.612
#1	8.6176	.00192	95.058	.06555	.01807	21.298	45.577	.03800	.61676	-.00206
#2	8.6317	.00150	95.443	.06430	.01521	21.407	45.811	.03848	.62508	-.00334
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15620**	**-.00144**	**.04217**	**.23816**	**.06298**	**.07180**
Stddev	.00092	.00102	.02003	.00173	.00002	.00110
%RSD	.59039	70.904	47.509	.72823	.03885	1.5342
#1	.15685	-.00072	.02800	.23939	.06296	.07102
#2	.15555	-.00217	.05634	.23693	.06300	.07257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6874.1**	**80883.**	**9318.6**
Stddev	21.8	464.	73.7
%RSD	.31738	.57421	.79047
#1	6889.6	80554.	9266.5
#2	6858.7	81211.	9370.7

Sample Name: 280-50482-a-1-b Acquired: 1/2/2014 11:14:38 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.04950**	**.00093**	**.10330**	**.02924**	**.00004**	**-.00424**	**159.89**	**.00101**	**.00002**
Stddev	.00076	.00021	.00307	.00139	.00043	.00006	.00181	1.08	.00012	.00020
%RSD	1146.4	.42461	330.58	1.3417	1.4820	151.45	42.752	.67659	12.371	1068.0
#1	-.00047	.04936	.00310	.10428	.02893	.00008	-.00296	160.65	.00092	.00016
#2	.00060	.04965	-.00124	.10232	.02955	.00000	-.00553	159.12	.00109	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00158**	**.00396**	**.05724**	**6.9983**	**.07943**	**79.613**	**.00086**	**.00691**	**15.722**	**.00206**
Stddev	.00001	.00014	.00141	.0185	.00071	.123	.00003	.00008	.086	.00007
%RSD	.45865	3.6468	2.4686	.26412	.89556	.15444	3.7991	1.1220	.54431	3.3752
#1	.00159	.00407	.05824	7.0114	.07993	79.700	.00088	.00686	15.782	.00211
#2	.00158	.00386	.05624	6.9853	.07893	79.526	.00084	.00697	15.661	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03015**	**.00024**	**96.557**	**.00259**	**.06265**	**14.688**	**31.433**	**.00027**	**.96703**	**-.00115**
Stddev	.00043	.00077	.068	.00038	.00127	.039	.085	.00005	.00338	.00078
%RSD	1.4243	323.06	.07007	14.678	2.0320	.26884	.26884	18.372	.35001	68.278
#1	.02985	-.00031	96.605	.00232	.06355	14.660	31.373	.00030	.96464	-.00170
#2	.03045	.00079	96.509	.00286	.06175	14.716	31.493	.00023	.96943	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00121**	**-.00044**	**.04500**	**.00203**	**.00453**	**.00104**
Stddev	.00019	.00025	.00141	.00056	.00016	.00124
%RSD	15.831	57.957	3.1253	27.578	3.6313	118.31
#1	.00135	-.00026	.04599	.00164	.00464	.00192
#2	.00107	-.00062	.04400	.00243	.00441	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7669.4**	**94019.**	**9732.7**
Stddev	7.3	609.	132.8
%RSD	.09472	.64824	1.3642
#1	7664.2	93588.	9826.6
#2	7674.5	94450.	9638.8

Sample Name: 280-50482-a-2-b Acquired: 1/2/2014 11:17:05 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00113**	**-.00086**	**.08156**	**.02944**	**-.00003**	**-.00554**	**56.031**	**.00075**	**.00082**
Stddev	.00067	.00018	.00273	.00042	.00038	.00001	.00122	.120	.00028	.00004
%RSD	4985.7	16.388	319.59	.51854	1.2793	51.521	21.980	.21360	37.272	4.8443
#1	.00046	.00100	-.00279	.08186	.02971	-.00004	-.00468	55.946	.00095	.00085
#2	-.00048	.00126	.00108	.08127	.02917	-.00002	-.00641	56.116	.00055	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00040**	**.00367**	**9.4396**	**.06511**	**25.212**	**.18457**	**.00428**	**19.888**	**.00364**
Stddev	.00003	.00022	.00012	.0083	.00067	.068	.00105	.00006	.111	.00007
%RSD	24.498	55.219	3.2022	.08813	1.0262	.27139	.56977	1.3462	.55953	1.8642
#1	.00010	.00025	.00359	9.4337	.06464	25.164	.18383	.00432	19.966	.00359
#2	.00015	.00056	.00376	9.4454	.06559	25.261	.18531	.00424	19.809	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00485**	**-.00053**	**7.1406**	**.00082**	**.02657**	**16.990**	**36.358**	**.00014**	**.38462**	**-.00075**
Stddev	.00037	.00028	.0312	.00218	.00204	.054	.116	.00063	.00012	.00039
%RSD	7.6117	51.580	.43718	266.17	7.6832	.31853	.31853	433.41	.03112	52.140
#1	.00458	-.00034	7.1627	-.00072	.02513	16.951	36.276	.00059	.38453	-.00103
#2	.00511	-.00073	7.1186	.00236	.02802	17.028	36.440	-.00030	.38470	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00081**	**.04323**	**.00126**	**.00408**	**-.00013**
Stddev	.00005	.00046	.00381	.00000	.00043	.00009
%RSD	26.989	56.518	8.8189	.28043	10.500	68.134
#1	-.00023	-.00048	.04054	.00126	.00378	-.00007
#2	-.00016	-.00113	.04593	.00126	.00438	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7924.6**	**96608.**	**9739.0**
Stddev	4.9	233.	27.5
%RSD	.06136	.24099	.28248
#1	7921.2	96773.	9758.5
#2	7928.1	96444.	9719.6

Sample Name: 280-50482-a-3-a Acquired: 1/2/2014 11:19:26 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00970**	**.00076**	**.18974**	**.03950**	**.00001**	**-.00241**	**47.976**	**.00054**	**-.00029**
Stddev	.00012	.00015	.00105	.00179	.00020	.00006	.00183	.192	.00019	.00005
%RSD	31.648	1.4979	137.43	.94434	.50422	398.34	76.172	.40065	34.126	17.810
#1	.00029	.00981	.00002	.19100	.03964	-.00003	-.00111	48.112	.00067	-.00033
#2	.00045	.00960	.00150	.18847	.03936	.00006	-.00371	47.840	.00041	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00090**	**.16893**	**8.8994**	**.11249**	**19.191**	**.13605**	**.00037**	**36.454**	**-.00045**
Stddev	.00014	.00008	.00099	.0068	.00033	.087	.00016	.00007	.039	.00006
%RSD	121.67	9.3743	.58875	.07653	.29057	.45159	.11414	19.552	.10615	13.104
#1	.00021	.00084	.16964	8.9042	.11272	19.253	.13616	.00042	36.481	-.00049
#2	.00002	.00096	.16823	8.8946	.11226	19.130	.13594	.00032	36.427	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01783**	**-.00049**	**14.947**	**.00210**	**-.00004**	**12.717**	**27.215**	**.00033**	**.37194**	**-.00259**
Stddev	.00019	.00026	.022	.00030	.00236	.027	.057	.00034	.00140	.00071
%RSD	1.0648	52.368	.14922	14.073	6286.9	.21014	.21014	103.32	.37690	27.254
#1	.01796	-.00031	14.963	.00189	.00163	12.699	27.175	.00058	.37293	-.00309
#2	.01769	-.00067	14.931	.00231	-.00170	12.736	27.256	.00009	.37095	-.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00127**	**.06368**	**.00042**	**.00432**	**-.00052**
Stddev	.00025	.00012	.00496	.00019	.00003	.00100
%RSD	389.16	9.7321	7.7900	44.390	.64373	192.00
#1	.00011	-.00118	.06719	.00029	.00434	-.00123
#2	-.00024	-.00136	.06017	.00055	.00430	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7898.6**	**96123.**	**9819.9**
Stddev	5.6	133.	42.6
%RSD	.07147	.13838	.43353
#1	7902.6	96217.	9850.0
#2	7894.6	96029.	9789.8

Sample Name: 280-50482-a-5-b Acquired: 1/2/2014 11:21:47 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.18682**	**.00366**	**.10744**	**.04010**	**.00005**	**-.00511**	**79.909**	**.00097**	**.00077**
Stddev	.00006	.00171	.00077	.00002	.00000	.00000	.00058	.008	.00008	.00001
%RSD	35.670	.91533	21.147	.01708	.01065	5.8238	11.283	.01015	8.7016	.91845
#1	.00012	.18561	.00311	.10745	.04010	.00005	-.00552	79.915	.00103	.00077
#2	.00020	.18803	.00421	.10742	.04009	.00005	-.00470	79.904	.00091	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00108**	**.20022**	**8.7787**	**.09615**	**35.887**	**.23643**	**.00252**	**24.313**	**.00210**
Stddev	.00000	.00025	.00388	.0037	.00143	.175	.00099	.00004	.142	.00006
%RSD	.65701	23.560	1.9376	.04272	1.4894	.48673	.42019	1.5866	.58225	3.0493
#1	.00065	.00090	.19748	8.7760	.09716	36.010	.23714	.00254	24.213	.00215
#2	.00064	.00126	.20297	8.7813	.09514	35.763	.23573	.00249	24.413	.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02259**	**-.00031**	**9.5528**	**.00146**	**-.00100**	**14.192**	**30.370**	**-.00061**	**.54963**	**-.00077**
Stddev	.00126	.00125	.0329	.00036	.00386	.143	.305	.00017	.00105	.00006
%RSD	5.5559	406.30	.34451	24.395	385.84	1.0044	1.0044	28.353	.19107	7.7668
#1	.02170	-.00119	9.5296	.00171	-.00373	14.091	30.155	-.00073	.54889	-.00081
#2	.02348	.00058	9.5761	.00121	.00173	14.292	30.586	-.00049	.55038	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00710**	**-.00048**	**.02937**	**.00156**	**.00512**	**.00033**
Stddev	.00003	.00038	.00403	.00008	.00009	.00077
%RSD	.40728	78.989	13.724	5.3126	1.6957	229.08
#1	.00708	-.00075	.03222	.00162	.00506	.00088
#2	.00712	-.00021	.02652	.00151	.00518	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7897.6**	**96190.**	**9777.9**
Stddev	29.0	292.	12.0
%RSD	.36718	.30346	.12295
#1	7918.1	95983.	9786.4
#2	7877.1	96396.	9769.4

Sample Name: 280-50482-a-6-a Acquired: 1/2/2014 11:24:09 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206155 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.07006**	**.00477**	**.10070**	**.04036**	**.00001**	**-.00579**	**79.270**	**.00101**	**.00025**
Stddev	.00005	.00073	.00097	.00015	.00024	.00004	.00036	.252	.00002	.00003
%RSD	10.435	1.0460	20.391	.14707	.58311	321.76	6.2883	.31744	2.3495	13.331
#1	-.00048	.06954	.00545	.10059	.04019	.00004	-.00604	79.092	.00102	.00027
#2	-.00055	.07058	.00408	.10080	.04053	-.00001	-.00553	79.448	.00099	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00117**	**.08578**	**7.3008**	**.13820**	**38.239**	**.02423**	**.00335**	**19.918**	**.00661**
Stddev	.00006	.00025	.00044	.0131	.00206	.118	.00004	.00009	.072	.00019
%RSD	29.466	21.582	.51481	.17928	1.4938	.30918	.17482	2.7520	.36214	2.8769
#1	.00023	.00099	.08547	7.3100	.13674	38.322	.02426	.00342	19.867	.00647
#2	.00015	.00135	.08609	7.2915	.13966	38.155	.02420	.00329	19.969	.00674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42547**	**-.00143**	**12.701**	**.00276**	**.03594**	**16.887**	**36.138**	**-.00057**	**.46872**	**-.00039**
Stddev	.00293	.00006	.020	.00074	.00472	.106	.227	.00010	.00227	.00082
%RSD	.68804	4.3720	.15951	26.787	13.135	.62855	.62855	17.587	.48339	211.88
#1	.42340	-.00138	12.715	.00224	.03928	16.812	35.977	-.00050	.46711	-.00097
#2	.42754	-.00147	12.687	.00328	.03260	16.962	36.299	-.00064	.47032	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**-.00057**	**.05462**	**.00389**	**.00676**	**-.00032**
Stddev	.00014	.00033	.01909	.00020	.00002	.00090
%RSD	9.0529	57.308	34.960	5.1224	.26629	283.35
#1	.00140	-.00080	.06812	.00375	.00675	-.00095
#2	.00160	-.00034	.04112	.00403	.00677	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7908.4**	**96211.**	**9844.4**
Stddev	2.1	44.	41.7
%RSD	.02689	.04569	.42332
#1	7906.9	96242.	9814.9
#2	7909.9	96180.	9873.9

Sample Name: 02432791 Acquired: 1/2/2014 11:31:50 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 205635 6010C DOD 4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00012**	**.00206**	**.03562**	**.00130**	**.00004**	**-.00105**	**.33388**	**.00020**	**-.00010**
Stddev	.00012	.00011	.00303	.00033	.00007	.00000	.00045	.00144	.00013	.00018
%RSD	43.385	90.549	146.88	.92124	5.6864	6.1880	42.831	.43273	61.482	181.89
#1	.00036	.00020	-.00008	.03585	.00135	.00004	-.00137	.33285	.00011	-.00023
#2	.00019	.00004	.00421	.03539	.00125	.00004	-.00073	.33490	.00029	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00009**	**.00423**	**.29265**	**.00088**	**.11648**	**.00013**	**.00038**	**.95050**	**-.00060**
Stddev	.00007	.00001	.00059	.01457	.00077	.00253	.00006	.00028	.00375	.00007
%RSD	152.32	6.9031	13.930	4.9784	87.818	2.1692	45.222	72.020	.39401	12.151
#1	.00000	-.00009	.00382	.28234	.00033	.11469	.00009	.00019	.94785	-.00065
#2	.00009	-.00008	.00465	.30295	.00142	.11826	.00017	.00058	.95314	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**-.00036**	**.10489**	**-.00103**	**-.00216**	**.31704**	**.67846**	**.00032**	**.00178**	**.00000**
Stddev	.00158	.00065	.00104	.00125	.00384	.00589	.01261	.00002	.00004	.00005
%RSD	284.56	179.95	.98912	121.79	178.11	1.8586	1.8586	5.3148	2.0312	1041.1
#1	.00056	.00010	.10562	-.00014	-.00487	.31287	.66954	.00031	.00181	.00004
#2	-.00167	-.00082	.10416	-.00191	.00056	.32120	.68737	.00033	.00176	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00045**	**.04338**	**.00021**	**.00430**	**-.00040**
Stddev	.00017	.00044	.01319	.00025	.00019	.00058
%RSD	317.74	98.712	30.414	123.60	4.4065	145.56
#1	.00007	-.00014	.03405	.00003	.00444	.00001
#2	-.00017	-.00076	.05271	.00039	.00417	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8307.2**	**102470.**	**10001.**
Stddev	20.6	829.	92.
%RSD	.24774	.80869	.91612
#1	8292.6	103050.	9936.5
#2	8321.7	101880.	10066.

Sample Name: CCVH-2444534 Acquired: 1/2/2014 11:35:07 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**51.479**	**.00095**	**.00191**	**.00038**	**-.00008**	W **1.0878**	**-.01912**	**-.00017**	**-.00067**	**-.00012**	**-.01014**
Stddev	.00036	.211	.00018	.00051	.00018	.00001	.0017	.00116	.00004	.00011	.00008	.00041
%RSD	21.127	.40903	18.408	26.910	46.020	6.7604	.15291	6.0420	22.815	17.049	63.857	4.0099
#1	.00143	51.628	.00083	.00154	.00050	-.00008	1.0890	-.01994	-.00014	-.00059	-.00018	-.00985
#2	.00194	51.330	.00108	.00227	.00026	-.00007	1.0867	-.01830	-.00020	-.00075	-.00007	-.01042
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.774**	**.10077**	**.00165**	**-.09006**	**.00126**	**-.00014**	**257.19**	**.00042**	**-.00035**	**-.00012**	**5.2150**	**-.01490**
Stddev	.297	.02134	.00044	.00341	.00009	.00011	.64	.00038	.00045	.00009	.0106	.00041
%RSD	.56317	21.177	26.776	3.7906	7.2035	77.155	.24782	89.575	130.34	71.357	.20411	2.7688
#1	52.564	.08568	.00197	-.08765	.00132	-.00021	257.64	.00016	-.00066	-.00006	5.2226	-.01519
#2	52.984	.11586	.00134	-.09247	.00119	-.00006	256.74	.00069	-.00003	-.00018	5.2075	-.01460
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00869**	**.00405**	**.00867**	**-.00062**	**.00030**	**5.1555**	**-.00703**	**-.00097**	W **10.716**	**-.00259**	**.00002**	**.01398**
Stddev	.00397	.01252	.02680	.00037	.00003	.0191	.00009	.00042	.005	.00014	.00000	.00087
%RSD	45.690	309.02	309.02	60.167	11.281	.37077	1.2879	43.352	.04878	5.2698	6.7260	6.2315
#1	-.01150	.01291	.02763	-.00088	.00033	5.1420	-.00697	-.00127	10.720	-.00249	.00002	.01460
#2	-.00588	-.00480	-.01028	-.00036	.00028	5.1690	-.00710	-.00067	10.712	-.00269	.00002	.01337
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8027.9**	**96375.**	**9950.9**
Stddev	14.3	398.	13.2
%RSD	.17855	.41336	.13254
#1	8038.1	96657.	9941.5
#2	8017.8	96094.	9960.2

Sample Name: CCV-2431894 Acquired: 1/2/2014 11:37:31 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53690**	**.53130**	**1.0692**	**.54054**	**.52613**	**.51449**	**-.00646**	**5.2602**	**.52065**	**.52320**	**.53378**	**.52847**	**2.5633**
Stddev	.00031	.00044	.0042	.00272	.00307	.00145	.00054	.0385	.00045	.00039	.00058	.00085	.0208
%RSD	.05752	.08337	.39621	.50335	.58444	.28087	8.3196	.73216	.08719	.07406	.10926	.16155	.81157
#1	.53669	.53161	1.0722	.53862	.52396	.51346	-.00684	5.2329	.52033	.52292	.53420	.52787	2.5486
#2	.53712	.53099	1.0662	.54247	.52831	.51551	-.00608	5.2874	.52097	.52347	.53337	.52907	2.5780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.132**	**1.0457**	**20.564**	**.50923**	**.53084**	**5.3659**	**.51194**	**1.0604**	**1.0527**	**.00717**	**1.0754**	**1.0426**	**5.2439**
Stddev	.202	.0050	.021	.00086	.00071	.0120	.00085	.0009	.0018	.00008	.0015	.0009	.0793
%RSD	.39583	.48093	.10266	.16876	.13374	.22273	.16656	.08165	.17450	1.0617	.13960	.08991	1.5120
#1	50.989	1.0422	20.549	.50862	.53134	5.3575	.51254	1.0610	1.0540	.00711	1.0743	1.0420	5.1879
#2	51.275	1.0493	20.579	.50984	.53034	5.3744	.51134	1.0598	1.0514	.00722	1.0765	1.0433	5.3000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.222**	**1.0649**	**.51900**	**-.00445**	**.51381**	**1.0827**	**.04480**	**.50892**	**.50983**	**.51985**
Stddev	.170	.0005	.00204	.00057	.00119	.0024	.03697	.00012	.00029	.00786
%RSD	1.5120	.04465	.39298	12.860	.23070	.22005	82.528	.02395	.05720	1.5112
#1	11.102	1.0645	.51755	-.00405	.51297	1.0810	.07094	.50900	.50962	.51430
#2	11.342	1.0652	.52044	-.00486	.51465	1.0843	.01865	.50883	.51004	.52541
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8027.4**	**97989.**	**9781.4**
Stddev	13.8	239.	44.7
%RSD	.17212	.24341	.45718
#1	8017.6	98157.	9813.0
#2	8037.2	97820.	9749.7

Sample Name: CCB Acquired: 1/2/2014 11:39:40 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00168**	**.00031**	**.00234**	**.00000**	**.00005**	**-.00311**	**-.00602**	**.00017**	**.00004**	**.00006**	**-.00022**
Stddev	.00006	.00010	.00099	.00003	.00029	.00002	.00018	.00365	.00009	.00014	.00008	.00017
%RSD	21.712	5.7771	314.16	1.1736	19862.	41.684	5.6855	60.679	54.711	349.81	153.45	76.727
#1	-.00031	-.00161	-.00038	.00236	.00020	.00003	-.00324	-.00860	.00024	-.00006	.00012	-.00034
#2	-.00023	-.00175	.00101	.00232	-.00020	.00006	-.00299	-.00344	.00010	.00014	.00000	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.02799**	**.00099**	**.00101**	**.00006**	**.00033**	W **.10029**	**-.00114**	**-.00330**	**-.00053**	**.00439**	**.00127**
Stddev	.00097	.06459	.00163	.00254	.00000	.00017	.00912	.00035	.00157	.00103	.00086	.00040
%RSD	83.842	230.74	165.26	252.69	.27762	51.545	9.0905	30.793	47.618	193.41	19.619	31.646
#1	.00184	-.01768	.00214	-.00079	.00006	.00021	.09384	-.00089	-.00440	.00020	.00378	.00099
#2	.00047	.07367	-.00017	.00280	.00006	.00045	.10673	-.00139	-.00219	-.00126	.00500	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00258**	**.00853**	**.01825**	**-.00020**	**.00007**	**.00038**	**-.00020**	**-.00067**	**.04113**	**.00036**	**.00277**	**-.00061**
Stddev	.00108	.00682	.01460	.00072	.00005	.00035	.00012	.00012	.04004	.00021	.00039	.00016
%RSD	42.056	79.970	79.970	358.80	75.553	91.769	63.052	17.704	97.333	58.323	13.965	26.093
#1	-.00181	.01335	.02857	-.00071	.00011	.00063	-.00028	-.00058	.01282	.00021	.00304	-.00050
#2	-.00334	.00371	.00793	.00031	.00003	.00013	-.00011	-.00075	.06945	.00051	.00249	-.00073
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8164.4**	**100310.**	**9782.8**
Stddev	11.6	360.	88.3
%RSD	.14240	.35852	.90300
#1	8172.6	100570.	9845.3
#2	8156.1	100060.	9720.3

Sample Name: CCVL-2445883 Acquired: 1/2/2014 11:42:00 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01203**	**.11202**	**.01577**	**.11368**	**.01105**	**.00103**	**.12391**	**.22877**	**.00556**	**.01116**	**.01122**	**.01648**	**.10868**
Stddev	.00005	.00046	.00066	.00023	.00013	.00008	.00309	.00132	.00001	.00020	.00013	.00020	.00012
%RSD	.40236	.41057	4.1770	.20546	1.2139	8.1867	2.4964	.57720	.17511	1.7928	1.1748	1.2254	.11276
#1	.01199	.11235	.01531	.11352	.01095	.00097	.12172	.22784	.00557	.01102	.01113	.01634	.10860
#2	.01206	.11170	.01624	.11385	.01114	.00109	.12610	.22970	.00555	.01131	.01131	.01663	.10877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2516**	**.01137**	**.22534**	**.01070**	**.02131**	**1.1914**	**.04339**	**3.1950**	**.01033**	**.00437**	**.01214**	**.01448**	**.54708**
Stddev	.0142	.00069	.00008	.00006	.00030	.0157	.00050	.0018	.00125	.00032	.00235	.00231	.00155
%RSD	.43675	6.0276	.03478	.51732	1.3972	1.3135	1.1429	.05616	12.137	7.2449	19.372	15.976	.28253
#1	3.2416	.01185	.22540	.01067	.02152	1.1804	.04304	3.1937	.00944	.00459	.01047	.01284	.54817
#2	3.2617	.01088	.22529	.01074	.02110	1.2025	.04374	3.1963	.01122	.00414	.01380	.01612	.54599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1708**	**.11058**	**.01083**	**.01575**	**.01008**	**.01709**	F **.12647**	**.01083**	**.02427**	**.01762**
Stddev	.0033	.00049	.00013	.00009	.00025	.00086	.02190	.00019	.00046	.00035
%RSD	.28253	.44289	1.1554	.58562	2.4589	5.0366	17.317	1.7597	1.9037	1.9805
#1	1.1731	.11023	.01074	.01582	.00990	.01648	.11098	.01097	.02395	.01737
#2	1.1684	.11093	.01092	.01569	.01025	.01770	.14196	.01070	.02460	.01786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8276.9**	**101280.**	**9875.7**
Stddev	17.3	241.	70.8
%RSD	.20955	.23796	.71703
#1	8264.6	101450.	9925.8
#2	8289.2	101110.	9825.7

Sample Name: mb 280-206156/1-a Acquired: 1/2/2014 11:44:20 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00033**	**.00221**	**.00154**	**.00018**	**-.00001**	**-.00030**	**.00384**	**.00011**	**-.00013**
Stddev	.00048	.00016	.00218	.00013	.00013	.00003	.00015	.00172	.00007	.00010
%RSD	286.43	48.253	98.269	8.3428	72.160	216.78	48.746	44.660	62.893	72.931
#1	-.00051	-.00045	.00068	.00145	.00009	.00001	-.00020	.00506	.00016	-.00006
#2	.00017	-.00022	.00375	.00163	.00027	-.00003	-.00040	.00263	.00006	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00015**	**.00231**	**.04938**	**-.00138**	**.00032**	**.00005**	**.00019**	**.08476**	**-.00087**
Stddev	.00002	.00068	.00086	.01286	.00101	.00009	.00007	.00007	.00614	.00012
%RSD	24.228	443.80	37.323	26.050	72.821	28.695	121.23	34.711	7.2409	13.738
#1	.00006	-.00063	.00170	.05847	-.00067	.00039	.00010	.00015	.08910	-.00079
#2	.00008	.00033	.00292	.04028	-.00209	.00026	.00001	.00024	.08042	-.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00311**	**-.00114**	**.00770**	**.00200**	**-.00079**	**.02093**	**.04478**	**-.00002**	**-.00010**	**.00050**
Stddev	.00038	.00052	.00051	.00235	.00192	.01275	.02729	.00073	.00010	.00282
%RSD	12.113	45.394	6.6119	117.09	242.35	60.942	60.942	2962.3	105.55	560.43
#1	-.00284	-.00077	.00806	.00366	-.00215	.01191	.02549	.00049	-.00003	-.00149
#2	-.00337	-.00150	.00734	.00034	.00056	.02994	.06408	-.00054	-.00017	.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00020**	W **.05005**	**.00019**	**.00344**	**-.00005**
Stddev	.00040	.00015	.04466	.00026	.00033	.00088
%RSD	473.68	74.581	89.224	137.39	9.5833	1746.6
#1	.00020	.00030	.08163	.00037	.00321	.00057
#2	-.00036	.00009	.01847	.00001	.00367	-.00067
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.8**	**102200.**	**9945.4**
Stddev	3.6	132.	55.5
%RSD	.04361	.12901	.55754
#1	8285.3	102110.	9906.2
#2	8280.2	102300.	9984.6

Sample Name: lcs 280-206156/2-a Acquired: 1/2/2014 11:46:40 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .05888	2.0666	F 1.1459	F 1.1585	2.2264	.05339	2.3282	54.010	F .11252	.53018
Stddev	.00054	.0011	.0001	.0059	.0178	.00044	.0021	.345	.00023	.00086
%RSD	.92532	.05360	.00864	.50981	.79823	.81813	.08865	.63869	.20682	.16310
#1	.05850	2.0674	1.1458	1.1543	2.2389	.05370	2.3297	54.254	.11268	.52957
#2	.05927	2.0658	1.1460	1.1627	2.2138	.05308	2.3268	53.766	.11235	.53079
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass
High Limit	.05750		1.1050	1.1050					.11100	
Low Limit	.04275		.87500	.86000					.08800	

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22314	.27570	1.0534	54.094	1.1009	54.472	.52984	F 1.1070	54.967	.52012
Stddev	.00049	.00004	.0107	.401	.0083	.210	.00079	.0027	.294	.00311
%RSD	.22027	.01388	1.0171	.74044	.75041	.38570	.14946	.24390	.53470	.59737
#1	.22279	.27573	1.0609	54.377	1.1067	54.324	.52928	1.1050	55.175	.51793
#2	.22348	.27568	1.0458	53.810	1.0950	54.621	.53040	1.1089	54.759	.52232
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.90000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 11.356	.53362	.00306	F .58455	2.2371	10.868	23.257	2.1820	1.0874	1.0722
Stddev	.012	.00198	.00322	.00158	.0008	.213	.455	.0038	.0054	.0002
%RSD	.10478	.37029	105.03	.26952	.03383	1.9561	1.9561	.17449	.49861	.01665
#1	11.365	.53222	.00079	.58566	2.2377	11.018	23.579	2.1847	1.0912	1.0720
#2	11.348	.53502	.00534	.58343	2.2366	10.717	22.935	2.1793	1.0836	1.0723
Check ?	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit	11.100			.55499						
Low Limit	9.1000			.44000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0879	2.1766	F 2.3789	.53823	.52519	.54654
Stddev	.0003	.0003	.0370	.00326	.00426	.01058
%RSD	.02764	.01511	1.5554	.60657	.81190	1.9356
#1	1.0877	2.1769	2.4051	.53592	.52217	.55402
#2	1.0881	2.1764	2.3528	.54053	.52820	.53906
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7926.3	95713.	9933.0
Stddev	5.6	286.	9.9
%RSD	.07063	.29901	.10011
#1	7930.3	95915.	9926.0
#2	7922.4	95511.	9940.1

Sample Name: 280-50451-a-1-c Acquired: 1/2/2014 11:48:47 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.02555**	**.00090**	**.45528**	**.16555**	**.00002**	**-.00360**	**104.83**	**.00038**	**.00018**
Stddev	.00007	.00018	.00081	.00010	.00166	.00003	.00097	.72	.00012	.00006
%RSD	39.506	.71723	89.916	.02159	1.0035	148.36	27.000	.68608	30.583	34.154
#1	.00013	.02542	.00148	.45535	.16438	.00004	-.00429	104.32	.00030	.00022
#2	.00023	.02568	.00033	.45521	.16673	.00000	-.00292	105.34	.00046	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00132**	**.00942**	**42.089**	**.16804**	**5.2796**	**.00100**	**.00141**	**93.704**	**.00037**
Stddev	.00012	.00021	.00069	.144	.00346	.0126	.00005	.00005	.975	.00004
%RSD	21.337	15.545	7.3518	.34270	2.0596	.23890	5.2484	3.8687	1.0407	10.818
#1	.00047	.00118	.00991	41.987	.16559	5.2707	.00104	.00137	93.014	.00040
#2	.00063	.00147	.00893	42.191	.17049	5.2885	.00097	.00145	94.393	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01223**	**.00008**	**81.437**	**.00125**	**.00111**	**11.272**	**24.123**	**.00064**	**3.9132**	**-.00071**
Stddev	.00021	.00012	.339	.00087	.00115	.086	.185	.00084	.0270	.00116
%RSD	1.6898	146.96	.41590	70.068	103.20	.76710	.76710	131.66	.69008	163.72
#1	.01209	.00000	81.677	.00186	.00030	11.334	24.254	.00004	3.8941	.00011
#2	.01238	.00017	81.198	.00063	.00192	11.211	23.992	.00124	3.9323	-.00152
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00027**	**.05736**	**.00605**	**.00534**	**-.00080**
Stddev	.00003	.00040	.02724	.00007	.00030	.00180
%RSD	32.393	146.44	47.487	1.1535	5.6265	224.81
#1	-.00010	.00055	.03810	.00600	.00555	.00047
#2	-.00006	-.00001	.07662	.00610	.00513	-.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7754.5**	**94209.**	**9781.1**
Stddev	3.8	97.	16.0
%RSD	.04941	.10268	.16390
#1	7751.8	94141.	9792.5
#2	7757.2	94277.	9769.8

Sample Name: 280-50451-a-1-cSD@5 Acquired: 1/2/2014 11:51:14 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.01919**	**.00212**	**.09196**	**.03363**	**-.00001**	**-.00111**	**21.095**	**.00021**	**.00001**
Stddev	.00057	.00010	.00079	.00019	.00003	.00000	.00081	.050	.00006	.00003
%RSD	695.80	.53382	37.038	.21187	.10261	3.1068	73.143	.23514	27.615	612.26
#1	.00049	.01912	.00268	.09210	.03365	-.00001	-.00168	21.130	.00017	.00003
#2	-.00032	.01926	.00156	.09182	.03361	-.00001	-.00053	21.060	.00025	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00185**	**.01071**	**8.3095**	**.03399**	**1.0842**	**.00028**	**.00048**	**19.026**	**.00004**
Stddev	.00005	.00016	.00077	.0428	.00048	.0006	.00003	.00023	.178	.00006
%RSD	47.878	8.5293	7.1896	.51555	1.4158	.05359	12.065	48.091	.93343	151.75
#1	.00007	.00174	.01126	8.3398	.03365	1.0838	.00030	.00031	18.900	.00008
#2	.00014	.00196	.01017	8.2792	.03433	1.0846	.00025	.00064	19.151	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00011**	**15.783**	**.00071**	**.00033**	**2.2346**	**4.7819**	**-.00073**	**.79426**	**.00016**
Stddev	.00168	.00005	.074	.00007	.00082	.0126	.0270	.00006	.00111	.00047
%RSD	21697.	42.077	.46698	9.4620	248.94	.56429	.56429	7.8531	.13953	290.84
#1	.00119	.00008	15.730	.00066	.00091	2.2435	4.8010	-.00069	.79348	-.00017
#2	-.00118	.00014	15.835	.00076	-.00025	2.2256	4.7629	-.00077	.79505	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00011**	**.06875**	**.00121**	**.00622**	**-.00087**
Stddev	.00023	.00003	.01967	.00002	.00034	.00033
%RSD	125.26	26.653	28.604	1.8534	5.5216	37.832
#1	-.00035	.00009	.05484	.00119	.00646	-.00063
#2	-.00002	.00013	.08265	.00122	.00598	-.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8026.3**	**98135.**	**9791.4**
Stddev	.2	144.	57.6
%RSD	.00210	.14722	.58816
#1	8026.5	98033.	9750.7
#2	8026.2	98237.	9832.1

Sample Name: 280-50451-a-1-d ms Acquired: 1/2/2014 11:53:37 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05966**	**2.0310**	**1.1659**	**1.5896**	**2.3839**	**.05302**	F **2.2971**	**152.55**	**.11319**	**.52224**
Stddev	.00025	.0045	.0019	.0086	.0004	.00006	.0118	2.99	.00070	.00168
%RSD	.42293	.22361	.16674	.53933	.01777	.11754	.51475	1.9576	.61795	.32153
#1	.05948	2.0278	1.1645	1.5835	2.3842	.05307	2.2887	150.44	.11270	.52106
#2	.05984	2.0342	1.1673	1.5956	2.3836	.05298	2.3054	154.66	.11369	.52343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22224**	**.27550**	**1.0535**	**96.752**	**1.2778**	**57.851**	**.52073**	**1.1148**	**147.42**	**.51452**
Stddev	.00155	.00080	.0093	.069	.0019	.009	.00004	.0066	.83	.00006
%RSD	.69784	.29216	.88364	.07130	.14933	.01510	.00738	.59129	.56497	.01206
#1	.22114	.27607	1.0600	96.703	1.2792	57.857	.52070	1.1101	148.01	.51447
#2	.22334	.27493	1.0469	96.800	1.2765	57.845	.52075	1.1194	146.83	.51456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.532**	**.51815**	**80.767**	**.58359**	**2.2290**	**21.863**	**46.788**	W **2.1579**	**4.9243**	**1.0661**
Stddev	.042	.00187	.223	.00139	.0112	.035	.074	.0112	.0349	.0048
%RSD	.36550	.36097	.27661	.23746	.50371	.15923	.15923	.51891	.70803	.45368
#1	11.502	.51683	80.609	.58261	2.2211	21.839	46.735	2.1500	4.9489	1.0695
#2	11.562	.51947	80.925	.58457	2.2370	21.888	46.840	2.1659	4.8996	1.0627
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0829**	**2.0468**	**2.3241**	**.53884**	**.51528**	**.55237**
Stddev	.0006	.0136	.0345	.00157	.00056	.00288
%RSD	.05418	.66518	1.4823	.29046	.10788	.52053
#1	1.0825	2.0371	2.3484	.53995	.51567	.55034
#2	1.0833	2.0564	2.2997	.53774	.51489	.55441
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7579.1**	**92445.**	**9771.3**
Stddev	34.5	186.	17.1
%RSD	.45528	.20091	.17526
#1	7603.5	92576.	9759.2
#2	7554.7	92314.	9783.4

Sample Name: 280-50451-a-1-e msd Acquired: 1/2/2014 11:55:53 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05899**	**2.0314**	**1.1687**	**1.6075**	**2.4223**	**.05367**	F **2.2866**	**158.38**	**.11265**	**.52146**
Stddev	.00047	.0070	.0062	.0004	.0401	.00079	.0007	.46	.00007	.00026
%RSD	.79742	.34577	.52693	.02569	1.6540	1.4739	.02983	.29082	.06470	.04984
#1	.05933	2.0264	1.1644	1.6072	2.4506	.05422	2.2871	158.05	.11270	.52164
#2	.05866	2.0363	1.1731	1.6078	2.3940	.05311	2.2861	158.71	.11260	.52128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22156**	**.27464**	**1.0678**	**99.546**	**1.3002**	**58.394**	**.52175**	**1.1105**	**152.40**	**.51129**
Stddev	.00012	.00219	.0085	1.436	.0205	.162	.00242	.0016	2.81	.00036
%RSD	.05487	.79738	.79702	1.4425	1.5795	.27781	.46419	.14584	1.8418	.07118
#1	.22147	.27309	1.0738	100.56	1.3148	58.508	.52004	1.1094	154.38	.51154
#2	.22164	.27618	1.0618	98.531	1.2857	58.279	.52346	1.1117	150.41	.51103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.500**	**.51732**	**83.706**	**.58183**	**2.2248**	**22.676**	**48.526**	W **2.1578**	W **5.1272**	**1.0667**
Stddev	.012	.00125	.053	.00006	.0029	.302	.646	.0005	.0476	.0016
%RSD	.10340	.24156	.06350	.01112	.13014	1.3315	1.3315	.02157	.92758	.14610
#1	11.492	.51821	83.668	.58187	2.2268	22.889	48.983	2.1582	5.0935	1.0656
#2	11.509	.51644	83.743	.58178	2.2227	22.462	48.070	2.1575	5.1608	1.0678
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass
High Limit	2.0000							2.0000	5.0000	
Low Limit	-1.0000							-.05000	-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0827**	**2.0403**	**2.2885**	**.53986**	**.52252**	**.55021**
Stddev	.0017	.0015	.0080	.00079	.00017	.00869
%RSD	.15537	.07275	.34859	.14545	.03328	1.5794
#1	1.0815	2.0413	2.2828	.53931	.52240	.55636
#2	1.0839	2.0392	2.2941	.54042	.52265	.54407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7607.3**	**91992.**	**9604.5**
Stddev	16.3	98.	39.2
%RSD	.21450	.10695	.40784
#1	7595.7	91922.	9632.2
#2	7618.8	92061.	9576.8

Sample Name: 280-50451-a-2-c Acquired: 1/2/2014 11:58:10 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.15279**	**-.00292**	**3.0059**	**.02565**	**-.00002**	**-.00007**	**456.16**	**.00085**	**.00057**
Stddev	.00029	.00016	.00296	.0035	.00005	.00003	.00101	6.41	.00004	.00016
%RSD	144.73	.10440	101.18	.11570	.18698	154.74	1382.0	1.4053	4.1431	28.042
#1	-.00040	.15290	-.00083	3.0034	.02568	-.00004	.00064	451.63	.00087	.00046
#2	.00000	.15268	-.00501	3.0083	.02562	.00000	-.00078	460.70	.00082	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00162**	**.26017**	**8.6049**	**.16550**	**46.232**	**.11286**	**.00195**	**290.34**	**.00487**
Stddev	.00005	.00001	.00092	.1218	.00004	.328	.00016	.00022	1.41	.00030
%RSD	25.759	.32845	.35319	1.4154	.02645	.70860	.13752	11.429	.48541	6.0741
#1	.00017	.00162	.26082	8.5188	.16547	46.464	.11297	.00179	289.35	.00466
#2	.00025	.00161	.25952	8.6910	.16553	46.000	.11275	.00210	291.34	.00508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02006**	**-.00126**	F **472.52**	**.00581**	**.00374**	**10.632**	**22.751**	**.00049**	W **14.853**	**-.00160**
Stddev	.00008	.00001	.28	.00066	.00471	.076	.162	.00131	.206	.00010
%RSD	.38326	.42417	.05853	11.444	125.74	.71049	.71049	266.64	1.3839	6.2563
#1	.02011	-.00125	472.33	.00628	.00707	10.578	22.637	.00142	14.708	-.00167
#2	.02001	-.00126	472.72	.00534	.00042	10.685	22.866	-.00044	14.999	-.00153
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**.00036**	**.04301**	**.00245**	**.00683**	**-.00138**
Stddev	.00033	.00076	.01504	.00032	.00003	.00027
%RSD	16.458	211.83	34.962	13.063	.43923	19.948
#1	.00176	.00089	.05364	.00268	.00685	-.00157
#2	.00222	-.00018	.03238	.00222	.00681	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7379.0**	**89301.**	**9593.6**
Stddev	43.0	530.	128.2
%RSD	.58259	.59397	1.3362
#1	7348.6	88926.	9684.2
#2	7409.4	89676.	9502.9

Sample Name: 280-50451-a-3-c Acquired: 1/2/2014 12:00:48 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01631**	**-.00030**	**.22015**	**.08727**	**-.00005**	**-.00144**	**214.01**	**.00042**	**-.00023**
Stddev	.00019	.00041	.00195	.00243	.00050	.00001	.00154	5.17	.00000	.00004
%RSD	120.57	2.5048	644.08	1.1027	.57118	22.404	106.85	2.4136	.78545	16.161
#1	-.00029	.01602	.00108	.22187	.08692	-.00004	-.00035	210.36	.00042	-.00020
#2	-.00002	.01660	-.00168	.21843	.08762	-.00006	-.00253	217.66	.00043	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00081**	**.01049**	**1.0909**	**.02198**	**9.1021**	**.00216**	**.00072**	**51.573**	**.00252**
Stddev	.00006	.00051	.00005	.0157	.00194	.0602	.00004	.00003	.118	.00009
%RSD	30.436	63.432	.51932	1.4363	8.8332	.66188	1.8608	4.3268	.22957	3.6888
#1	.00022	.00045	.01045	1.1020	.02061	9.1447	.00213	.00070	51.490	.00245
#2	.00014	.00118	.01053	1.0798	.02335	9.0595	.00218	.00074	51.657	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02769**	**-.00099**	**69.270**	**.00342**	**-.00407**	**8.1168**	**17.370**	**.00024**	W **5.0494**	**.00025**
Stddev	.00164	.00099	.059	.00123	.00009	.0010	.002	.00003	.0458	.00134
%RSD	5.9101	99.886	.08560	35.885	2.1751	.01268	.01268	12.855	.90616	539.02
#1	.02653	-.00029	69.228	.00429	-.00401	8.1176	17.372	.00022	5.0817	-.00070
#2	.02885	-.00168	69.312	.00255	-.00413	8.1161	17.368	.00026	5.0170	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00033**	**.01829**	**.00113**	**.00539**	**.00003**
Stddev	.00002	.00022	.00655	.00029	.00052	.00039
%RSD	11.494	66.845	35.806	25.652	9.7013	1134.1
#1	.00013	-.00017	.01366	.00134	.00576	.00031
#2	.00015	-.00048	.02292	.00093	.00502	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7653.5**	**94358.**	**10087.**
Stddev	16.3	91.	26.
%RSD	.21320	.09626	.26005
#1	7665.0	94293.	10068.
#2	7642.0	94422.	10105.

Sample Name: 280-50451-a-4-c Acquired: 1/2/2014 12:03:20 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.01117**	**-.00009**	**.94233**	**.05201**	**.00002**	**-.00152**	**156.92**	**.00063**	**-.00031**
Stddev	.00018	.00015	.00073	.00652	.00038	.00009	.00004	.98	.00006	.00013
%RSD	196.55	1.3690	801.14	.69161	.73216	487.16	2.3010	.62630	9.3671	40.840
#1	.00022	.01106	.00043	.93772	.05174	-.00004	-.00150	157.61	.00059	-.00041
#2	-.00004	.01127	-.00061	.94694	.05228	.00008	-.00155	156.22	.00067	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00065**	**.01767**	**3.6779**	**.06822**	**21.881**	**.00132**	**.00159**	**122.91**	**.00090**
Stddev	.00000	.00007	.00055	.0239	.00189	.152	.00003	.00006	.20	.00005
%RSD	.84917	10.944	3.1379	.64841	2.7682	.69582	2.2955	3.6633	.16520	5.0398
#1	.00053	.00060	.01728	3.6610	.06955	21.773	.00134	.00163	122.76	.00087
#2	.00052	.00070	.01807	3.6948	.06688	21.989	.00130	.00155	123.05	.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01537**	**-.00017**	**122.62**	**.00218**	**.00007**	**9.4530**	**20.229**	**-.00024**	W **13.826**	**.00010**
Stddev	.00282	.00058	1.13	.00157	.00061	.0769	.165	.00046	.038	.00040
%RSD	18.348	333.99	.91857	72.331	838.29	.81385	.81385	188.74	.27499	412.33
#1	.01736	.00024	121.83	.00329	.00051	9.3986	20.113	-.00057	13.799	.00038
#2	.01337	-.00058	123.42	.00106	-.00036	9.5074	20.346	.00008	13.853	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00022**	**.03693**	**.00120**	**.00501**	**-.00044**
Stddev	.00008	.00062	.00784	.00000	.00008	.00110
%RSD	54.187	287.54	21.238	.14346	1.6108	252.44
#1	-.00021	-.00022	.04248	.00120	.00507	.00034
#2	-.00009	.00065	.03138	.00120	.00496	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7670.2**	**94876.**	**10218.**
Stddev	13.8	497.	62.
%RSD	.17932	.52413	.60946
#1	7679.9	95228.	10262.
#2	7660.4	94525.	10174.

Sample Name: CCVH-2444534 Acquired: 1/2/2014 12:05:54 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**50.744**	**.00291**	**.00611**	**.00026**	**-.00005**	W **1.0987**	**-.00767**	**-.00007**	**-.00083**	**-.00025**	**-.01071**
Stddev	.00040	.320	.00341	.00016	.00011	.00002	.0034	.00475	.00002	.00017	.00003	.00015
%RSD	19.798	.63067	116.86	2.6059	40.733	45.426	.31266	61.870	28.383	20.505	13.103	1.4446
#1	.00228	50.970	.00532	.00622	.00019	-.00003	1.1011	-.00432	-.00008	-.00095	-.00022	-.01082
#2	.00172	50.517	.00051	.00600	.00034	-.00007	1.0963	-.01103	-.00005	-.00071	-.00027	-.01060
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.668**	**.15406**	**.00168**	**-.09103**	**.00115**	**-.00004**	**254.75**	**.00080**	**-.00125**	**-.00023**	W **5.2518**	**-.01393**
Stddev	.481	.02240	.00014	.00240	.00000	.00013	1.44	.00008	.00073	.00023	.0177	.00148
%RSD	.91309	14.537	8.0804	2.6349	.13028	292.78	.56595	9.3434	58.287	102.91	.33677	10.640
#1	53.008	.16990	.00178	-.08934	.00115	-.00014	255.77	.00086	-.00177	-.00006	5.2643	-.01498
#2	52.328	.13823	.00159	-.09273	.00115	.00005	253.73	.00075	-.00074	-.00039	5.2393	-.01289
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00751**	**.01447**	**.03096**	**-.00048**	**.00127**	**5.1506**	**-.00587**	**-.00082**	W **10.794**	**-.00272**	**.00004**	**.01182**
Stddev	.00344	.01136	.02432	.00007	.00015	.0165	.00039	.00063	.055	.00001	.00019	.00071
%RSD	45.745	78.545	78.545	13.704	12.150	.32100	6.6951	76.779	.51221	.39268	470.61	5.9879
#1	-.00994	.00643	.01376	-.00044	.00138	5.1623	-.00615	-.00126	10.755	-.00272	-.00009	.01233
#2	-.00508	.02250	.04815	-.00053	.00116	5.1389	-.00559	-.00037	10.833	-.00273	.00017	.01132
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8154.0**	**97678.**	**10332.**
Stddev	16.3	386.	21.
%RSD	.20033	.39547	.20505
#1	8165.5	97405.	10317.
#2	8142.4	97951.	10346.

Sample Name: CCV-2431894 Acquired: 1/2/2014 12:08:19 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53386**	**.51143**	**1.0591**	**.53907**	**.52650**	**.50447**	**-.00592**	**5.1813**	**.50962**	**.51127**	**.52681**	**.51469**	**2.5120**
Stddev	.00139	.00001	.0059	.00300	.00055	.00097	.00169	.0101	.00229	.00152	.00177	.00257	.0290
%RSD	.26028	.00231	.55689	.55688	.10364	.19282	28.576	.19413	.44963	.29692	.33654	.49909	1.1534
#1	.53288	.51144	1.0549	.53695	.52612	.50516	-.00472	5.1884	.50800	.51019	.52555	.51287	2.5325
#2	.53485	.51142	1.0633	.54119	.52689	.50379	-.00712	5.1742	.51124	.51234	.52806	.51650	2.4915
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.173**	**1.0383**	**20.113**	**.49523**	**.52210**	**5.3240**	**.49883**	**1.0255**	**1.0079**	**.02540**	**1.0562**	**1.0088**	**5.1480**
Stddev	.016	.0011	.007	.00086	.00188	.0338	.00063	.0059	.0018	.00348	.0097	.0056	.1044
%RSD	.03158	.10901	.03336	.17449	.35981	.63399	.12687	.57258	.17936	13.685	.91812	.55608	2.0278
#1	50.184	1.0375	20.118	.49462	.52077	5.3478	.49928	1.0213	1.0067	.02786	1.0493	1.0048	5.2218
#2	50.162	1.0391	20.108	.49584	.52343	5.3001	.49839	1.0296	1.0092	.02295	1.0630	1.0127	5.0741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.017**	**1.0293**	**.51155**	**-.00410**	**.50524**	**1.0430**	**.05658**	**.49973**	**.49827**	**.51522**
Stddev	.223	.0056	.00108	.00148	.00093	.0051	.00217	.00026	.00086	.00748
%RSD	2.0278	.54889	.21118	36.084	.18338	.48681	3.8325	.05298	.17296	1.4528
#1	11.175	1.0253	.51232	-.00515	.50458	1.0394	.05812	.49954	.49888	.52051
#2	10.859	1.0333	.51079	-.00305	.50589	1.0466	.05505	.49991	.49766	.50993
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8261.0**	**100880.**	**10311.**
Stddev	14.8	520.	19.
%RSD	.17946	.51506	.18237
#1	8271.4	100510.	10298.
#2	8250.5	101240.	10325.

Sample Name: CCB Acquired: 1/2/2014 12:10:28 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00216**	**.00119**	**.00331**	**-.00010**	**.00007**	**-.00163**	**-.00632**	**.00019**	**-.00016**	**-.00002**	**.00001**
Stddev	.00056	.00016	.00003	.00020	.00002	.00002	.00072	.00156	.00006	.00001	.00007	.00004
%RSD	319.08	7.5359	2.3021	6.0909	23.150	34.571	44.028	24.624	29.891	7.5651	261.96	407.54
#1	-.00022	-.00227	.00117	.00345	-.00011	.00005	-.00214	-.00522	.00015	-.00017	-.00007	-.00002
#2	.00058	-.00204	.00121	.00316	-.00008	.00009	-.00112	-.00742	.00024	-.00015	.00002	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.08470**	**.00116**	**.00108**	**-.00008**	**.00021**	W **.12730**	**-.00070**	**-.00436**	**-.00064**	**.02082**	**.00074**
Stddev	.00119	.03314	.00213	.00063	.00001	.00026	.00373	.00014	.00125	.00059	.00246	.00144
%RSD	868.02	39.120	184.33	57.955	11.128	123.86	2.9335	19.970	28.628	92.248	11.818	194.24
#1	-.00098	.06127	-.00035	.00153	-.00007	.00039	.12994	-.00060	-.00525	-.00022	.02256	.00175
#2	.00070	.10813	.00266	.00064	-.00008	.00003	.12466	-.00080	-.00348	-.00106	.01908	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00172**	**.01326**	**.02837**	**-.00020**	**-.00003**	**.00048**	**-.00024**	**-.00076**	F **.06730**	**.00018**	**.00280**	**-.00024**
Stddev	.00101	.00167	.00357	.00018	.00000	.00041	.00009	.00038	.01382	.00011	.00028	.00025
%RSD	59.020	12.573	12.573	92.808	11.266	85.677	38.631	49.840	20.529	62.317	9.9249	103.85
#1	.00100	.01208	.02584	-.00033	-.00003	.00019	-.00031	-.00103	.05753	.00026	.00300	-.00041
#2	.00243	.01443	.03089	-.00007	-.00003	.00077	-.00018	-.00049	.07706	.00010	.00260	-.00006
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8437.5**	**104590.**	**10568.**
Stddev	36.5	413.	98.
%RSD	.43296	.39503	.93042
#1	8411.6	104290.	10498.
#2	8463.3	104880.	10637.

Sample Name: CCVL-2445883 Acquired: 1/2/2014 12:12:49 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01140**	**.10772**	**.01725**	**.11484**	**.01052**	**.00104**	**.12437**	**.21670**	**.00561**	**.01079**	**.01110**	**.01589**	**.10203**
Stddev	.00000	.00013	.00006	.00088	.00018	.00003	.00136	.00293	.00004	.00012	.00017	.00025	.00115
%RSD	.03825	.11967	.35166	.76577	1.7423	2.4388	1.0953	1.3501	.65152	1.1309	1.5280	1.5883	1.1288
#1	.01140	.10763	.01730	.11546	.01065	.00106	.12533	.21877	.00558	.01087	.01122	.01607	.10122
#2	.01139	.10781	.01721	.11422	.01039	.00102	.12340	.21463	.00564	.01070	.01098	.01571	.10285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1412**	**.01107**	**.21717**	**.01013**	**.02090**	**1.1765**	**.04183**	**3.1712**	**.00963**	**.01481**	**.01209**	**.01392**	**.51998**
Stddev	.0157	.00098	.00205	.00005	.00018	.0018	.00041	.0216	.00027	.00242	.00034	.00008	.00789
%RSD	.50006	8.8483	.94317	.49514	.86765	.14966	.97837	.67992	2.7516	16.323	2.7727	.60453	1.5174
#1	3.1523	.01176	.21862	.01016	.02102	1.1777	.04212	3.1865	.00945	.01652	.01186	.01386	.51440
#2	3.1301	.01037	.21573	.01009	.02077	1.1752	.04154	3.1560	.00982	.01310	.01233	.01398	.52556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1128**	**.10725**	**.01040**	**.01568**	**.00999**	**.01801**	F **.11388**	**.01000**	**.02288**	**.01653**
Stddev	.0169	.00086	.00006	.00015	.00015	.00025	.01263	.00003	.00030	.00050
%RSD	1.5174	.80182	.53402	.95173	1.5339	1.3909	11.092	.27596	1.3214	3.0549
#1	1.1008	.10785	.01044	.01558	.01010	.01783	.12281	.01002	.02310	.01689
#2	1.1247	.10664	.01036	.01579	.00988	.01819	.10495	.00998	.02267	.01617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8662.9**	**106140.**	**10792.**
Stddev	13.6	689.	50.
%RSD	.15669	.64919	.46646
#1	8653.3	105650.	10827.
#2	8672.5	106630.	10756.

Sample Name: 280-50451-a-5-c Acquired: 1/2/2014 12:15:11 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00056**	**.00340**	**.00219**	**.00072**	**.00003**	**-.00053**	**.00769**	**.00023**	**-.00018**
Stddev	.00021	.00017	.00070	.00030	.00008	.00009	.00167	.00211	.00002	.00013
%RSD	72.640	30.811	20.488	13.733	11.270	249.24	315.20	27.498	9.8540	72.391
#1	.00014	.00044	.00291	.00240	.00066	.00010	-.00171	.00919	.00025	-.00009
#2	.00043	.00068	.00390	.00197	.00077	-.00003	.00065	.00620	.00022	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00026**	**.00225**	**.03374**	**.00150**	**.00012**	**-.00003**	**.00013**	**.12067**	**-.00086**
Stddev	.00001	.00006	.00110	.00126	.00041	.00034	.00001	.00009	.00008	.00010
%RSD	10.275	23.297	48.962	3.7229	27.227	282.21	33.693	65.358	.06705	11.239
#1	.00006	-.00030	.00302	.03285	.00121	-.00012	-.00004	.00019	.12061	-.00079
#2	.00005	-.00022	.00147	.03463	.00178	.00036	-.00003	.00007	.12073	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00326**	**-.00071**	**.01766**	**.00065**	**-.00124**	**.02121**	**.04539**	**.00002**	**.00003**	**-.00015**
Stddev	.00113	.00039	.00011	.00086	.00081	.00302	.00646	.00045	.00002	.00068
%RSD	34.604	55.233	.63189	133.33	65.536	14.231	14.231	2437.0	82.718	455.83
#1	-.00405	-.00043	.01774	.00126	-.00066	.01907	.04082	-.00030	.00001	-.00063
#2	-.00246	-.00099	.01758	.00004	-.00181	.02334	.04995	.00034	.00004	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.00101**	**.04775**	**-.00018**	**.00306**	**.00024**
Stddev	.00012	.00004	.01979	.00015	.00024	.00023
%RSD	39.109	4.3157	41.451	82.369	7.9821	95.106
#1	-.00040	-.00104	.06175	-.00008	.00324	.00008
#2	-.00023	-.00098	.03375	-.00029	.00289	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8557.4**	**107830.**	**10775.**
Stddev	6.7	2.	94.
%RSD	.07825	.00159	.87317
#1	8552.7	107840.	10709.
#2	8562.2	107830.	10842.

Sample Name: 280-50451-a-6-c Acquired: 1/2/2014 12:17:31 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.01324**	**.00014**	**.86717**	**.02423**	**.00002**	**-.00265**	**61.700**	**.00043**	**-.00045**
Stddev	.00004	.00045	.00061	.00024	.00026	.00001	.00114	.103	.00004	.00002
%RSD	17.106	3.3918	450.01	.02758	1.0772	37.938	43.126	.16713	10.499	4.3705
#1	-.00029	.01355	-.00030	.86734	.02441	.00001	-.00346	61.627	.00046	-.00046
#2	-.00023	.01292	.00057	.86700	.02404	.00003	-.00184	61.773	.00039	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00065**	**.01408**	**2.0028**	**.03967**	**5.5462**	**.00078**	**.00221**	**258.40**	**.00019**
Stddev	.00008	.00016	.00051	.0570	.00174	.0711	.00005	.00025	1.12	.00030
%RSD	35.743	24.218	3.6434	2.8454	4.3911	1.2815	6.2370	11.210	.43471	157.15
#1	.00017	.00076	.01372	2.0431	.04090	5.4959	.00081	.00204	259.20	-.00002
#2	.00028	.00054	.01444	1.9625	.03844	5.5964	.00074	.00239	257.61	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03339**	**-.00043**	**54.409**	**.00188**	**-.00130**	**10.186**	**21.797**	**-.00117**	**1.6948**	**-.00128**
Stddev	.00002	.00033	.008	.00035	.00038	.008	.018	.00007	.0032	.00018
%RSD	.06918	75.626	.01417	18.396	28.935	.08109	.08109	6.1358	.19020	13.785
#1	.03337	-.00020	54.414	.00163	-.00104	10.191	21.810	-.00111	1.6970	-.00140
#2	.03340	-.00066	54.404	.00212	-.00157	10.180	21.785	-.00122	1.6925	-.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00057**	**.03100**	**.00109**	**.00569**	**-.00077**
Stddev	.00010	.00009	.01924	.00005	.00018	.00079
%RSD	35.844	16.513	62.056	4.5353	3.2333	102.23
#1	-.00034	-.00050	.01740	.00105	.00556	-.00133
#2	-.00020	-.00063	.04460	.00112	.00582	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7848.7**	**95344.**	**10354.**
Stddev	4.0	929.	33.
%RSD	.05074	.97433	.31741
#1	7851.6	96001.	10330.
#2	7845.9	94688.	10377.

Sample Name: 280-50451-a-7-c Acquired: 1/2/2014 12:19:59 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.01238**	**-.00025**	**1.3170**	**.05313**	**.00002**	**-.00361**	**95.533**	**.00051**	**-.00026**
Stddev	.00019	.00010	.00067	.0110	.00000	.00002	.00186	.334	.00004	.00026
%RSD	68.522	.78900	269.47	.83797	.00681	96.985	51.494	.34915	8.0405	103.11
#1	.00014	.01231	-.00073	1.3092	.05313	.00001	-.00492	95.297	.00054	-.00007
#2	.00040	.01245	.00023	1.3248	.05313	.00004	-.00229	95.769	.00048	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00074**	**.02921**	**2.1793**	**.04945**	**7.8842**	**.00116**	**.00151**	**148.07**	**-.00007**
Stddev	.00000	.00025	.00020	.0353	.00066	.0379	.00004	.00025	.12	.00004
%RSD	.78930	33.709	.69239	1.6196	1.3365	.48121	3.1950	16.625	.08386	53.204
#1	.00047	.00056	.02907	2.2043	.04898	7.9110	.00113	.00133	148.16	-.00010
#2	.00047	.00092	.02936	2.1544	.04991	7.8574	.00119	.00169	147.98	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04890**	**-.00092**	**36.419**	**.00156**	**.00207**	**10.605**	**22.694**	**-.00018**	**2.3135**	**.00051**
Stddev	.00059	.00086	.022	.00198	.00004	.064	.138	.00016	.0085	.00042
%RSD	1.2146	93.433	.05995	126.61	1.7966	.60599	.60599	89.223	.36563	82.468
#1	.04848	-.00031	36.403	.00016	.00205	10.650	22.791	-.00006	2.3075	.00080
#2	.04932	-.00152	36.434	.00296	.00210	10.559	22.597	-.00029	2.3194	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00077**	**.02278**	**.00126**	**.00736**	**.00016**
Stddev	.00021	.00123	.02224	.00011	.00014	.00088
%RSD	461.45	161.38	97.620	8.3913	1.9526	562.64
#1	.00020	-.00164	.03850	.00134	.00746	-.00047
#2	-.00010	.00011	.00706	.00119	.00725	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7828.2**	**96043.**	**10403.**
Stddev	20.0	60.	24.
%RSD	.25509	.06240	.22916
#1	7842.3	96001.	10420.
#2	7814.1	96085.	10386.

Sample Name: 280-50451-a-8-c Acquired: 1/2/2014 12:22:21 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.19697**	**-.00138**	**4.1299**	**.04833**	**.00007**	**-.00015**	**486.29**	**.00082**	**.00010**
Stddev	.00002	.00059	.00068	.0217	.00007	.00001	.00145	4.84	.00012	.00004
%RSD	49.280	.29790	49.194	.52563	.13572	17.692	955.26	.99503	13.991	40.892
#1	.00006	.19656	-.00090	4.1146	.04838	.00008	-.00117	482.87	.00090	.00007
#2	.00003	.19739	-.00186	4.1453	.04828	.00006	.00087	489.72	.00074	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00120**	**.19158**	**8.2726**	**.21357**	**56.260**	**.02961**	**.00171**	**340.95**	**.00375**
Stddev	.00002	.00006	.00212	.0588	.00199	.250	.00018	.00012	1.57	.00014
%RSD	2.8412	4.6374	1.1082	.71078	.93093	.44375	.61731	6.7203	.46181	3.8273
#1	.00066	.00124	.19008	8.2310	.21498	56.436	.02974	.00179	339.84	.00385
#2	.00069	.00116	.19308	8.3142	.21216	56.083	.02948	.00163	342.07	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03569**	**-.00221**	F **502.41**	**.00751**	**.00151**	**12.034**	**25.753**	**-.00066**	W **14.058**	**-.00030**
Stddev	.00022	.00060	1.97	.00233	.00184	.055	.118	.00069	.118	.00142
%RSD	.60737	26.959	.39157	30.985	121.84	.45913	.45913	103.73	.84055	469.38
#1	.03553	-.00179	501.01	.00916	.00282	12.073	25.837	-.00115	13.975	-.00131
#2	.03584	-.00264	503.80	.00587	.00021	11.995	25.670	-.00018	14.142	.00070
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00300**	**-.00061**	**.03804**	**.00181**	**.00735**	**.00089**
Stddev	.00016	.00093	.01000	.00010	.00006	.00044
%RSD	5.2844	152.39	26.286	5.4243	.86277	49.279
#1	.00312	-.00126	.03097	.00188	.00740	.00058
#2	.00289	.00005	.04511	.00174	.00731	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7284.0**	**89929.**	**9936.2**
Stddev	10.8	233.	15.3
%RSD	.14844	.25901	.15355
#1	7291.7	89764.	9947.0
#2	7276.4	90093.	9925.4

Sample Name: 280-50451-a-9-c Acquired: 1/2/2014 12:24:59 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00252**	**.00059**	**1.0130**	**.05539**	**.00005**	**-.00071**	**165.79**	**.00056**	**-.00050**
Stddev	.00004	.00028	.00124	.0031	.00018	.00000	.00076	1.22	.00014	.00005
%RSD	39.972	11.284	209.20	.30432	.32833	2.3133	107.68	.73365	25.326	10.901
#1	.00008	.00232	-.00028	1.0108	.05552	.00004	-.00124	164.93	.00046	-.00054
#2	.00014	.00272	.00147	1.0152	.05526	.00005	-.00017	166.65	.00066	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00078**	**.00317**	**3.9104**	**.07265**	**23.507**	**.00083**	**.00158**	**131.47**	**.00107**
Stddev	.00006	.00002	.00090	.0803	.00044	.099	.00003	.00010	.34	.00003
%RSD	56.812	2.6018	28.476	2.0533	.61113	.42008	3.4872	6.2677	.25841	2.6812
#1	.00015	.00079	.00381	3.9672	.07233	23.437	.00081	.00165	131.71	.00105
#2	.00007	.00076	.00253	3.8536	.07296	23.577	.00085	.00151	131.23	.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01165**	**-.00103**	**132.00**	**.00150**	**.00041**	**9.9797**	**21.357**	**-.00065**	W **14.682**	**-.00089**
Stddev	.00084	.00055	.52	.00033	.00065	.0332	.071	.00006	.149	.00104
%RSD	7.1926	53.584	.39188	21.954	158.89	.33285	.33285	9.1516	1.0174	117.05
#1	.01224	-.00143	131.64	.00127	.00087	10.003	21.407	-.00061	14.577	-.00015
#2	.01105	-.00064	132.37	.00173	-.00005	9.9562	21.306	-.00070	14.788	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00006**	**.02100**	**.00086**	**.00476**	**-.00006**
Stddev	.00012	.00022	.02931	.00009	.00020	.00098
%RSD	195.04	337.59	139.56	10.711	4.2406	1678.5
#1	-.00014	-.00009	.00028	.00093	.00491	.00064
#2	.00002	.00022	.04172	.00080	.00462	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7538.3**	**93135.**	**10307.**
Stddev	13.3	605.	111.
%RSD	.17647	.64912	1.0779
#1	7547.7	93563.	10386.
#2	7528.9	92708.	10229.

Sample Name: 280-50465-c-1-b Acquired: 1/2/2014 12:27:32 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00048**	**.00049**	**.00885**	**.00017**	**.00004**	**-.00174**	**.01351**	**.00014**	**-.00026**
Stddev	.00072	.00006	.00142	.00069	.00007	.00006	.00010	.00034	.00002	.00002
%RSD	2028.2	12.070	287.63	7.7744	41.406	132.41	5.5033	2.5018	14.333	7.4428
#1	-.00048	-.00044	-.00051	.00934	.00022	.00000	-.00167	.01327	.00015	-.00024
#2	.00055	-.00052	.00149	.00836	.00012	.00008	-.00181	.01374	.00012	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00056**	**.00259**	**.08049**	**.00074**	**.00213**	**.00001**	**.00022**	**.26060**	**-.00086**
Stddev	.00006	.00001	.00159	.04338	.00046	.00119	.00003	.00001	.00230	.00020
%RSD	102.57	1.7049	61.498	53.898	63.110	55.904	209.29	4.2350	.88098	22.787
#1	.00011	-.00056	.00147	.11116	.00041	.00129	.00003	.00023	.26222	-.00072
#2	.00002	-.00055	.00372	.04981	.00107	.00297	-.00001	.00021	.25898	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00407**	**-.00071**	**.05402**	**.00040**	**-.00230**	**.01834**	**.03925**	**-.00030**	**.00078**	**.00101**
Stddev	.00063	.00073	.00126	.00059	.00040	.00048	.00102	.00009	.00032	.00002
%RSD	15.523	102.57	2.3235	148.92	17.358	2.6077	2.6077	30.056	41.563	2.1255
#1	-.00362	-.00020	.05491	-.00002	-.00202	.01868	.03998	-.00023	.00100	.00100
#2	-.00452	-.00123	.05313	.00082	-.00258	.01800	.03853	-.00036	.00055	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**-.00116**	**.04103**	**.00002**	**.00306**	**.00081**
Stddev	.00004	.00062	.01223	.00010	.00018	.00135
%RSD	42.580	53.609	29.806	421.78	5.7403	167.79
#1	-.00012	-.00160	.04967	.00009	.00318	-.00015
#2	-.00006	-.00072	.03238	-.00005	.00293	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8216.2**	**101800.**	**10285.**
Stddev	10.6	350.	31.
%RSD	.12854	.34348	.30326
#1	8208.8	102050.	10263.
#2	8223.7	101550.	10308.

Sample Name: CCVH-2444534 Acquired: 1/2/2014 12:29:51 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00226**	**52.777**	**.00290**	**.00627**	**.00043**	**-.00010**	F **1.1313**	**-.01793**	**-.00027**	**-.00078**	**-.00017**	**-.01161**
Stddev	.00112	.081	.00083	.00100	.00010	.00004	.0071	.00186	.00009	.00005	.00007	.00039
%RSD	49.598	.15426	28.612	15.994	22.354	39.467	.63078	10.352	34.894	6.3536	40.675	3.3487
#1	.00305	52.835	.00349	.00698	.00050	-.00012	1.1263	-.01925	-.00034	-.00074	-.00022	-.01133
#2	.00147	52.719	.00231	.00556	.00036	-.00007	1.1364	-.01662	-.00020	-.00081	-.00012	-.01188
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.201**	**.10017**	**-.00007**	**-.09222**	**.00107**	**-.00029**	**263.85**	**.00073**	**-.00081**	**.00007**	W **5.3806**	**-.01593**
Stddev	.153	.03595	.00071	.00296	.00003	.00014	1.43	.00039	.00072	.00059	.0124	.00069
%RSD	.28160	35.893	959.89	3.2130	2.9465	47.241	.54307	53.855	89.099	862.32	.23032	4.3149
#1	54.308	.12560	.00043	-.09013	.00109	-.00038	264.86	.00045	-.00030	.00049	5.3894	-.01544
#2	54.093	.07475	-.00058	-.09432	.00105	-.00019	262.84	.00101	-.00132	-.00035	5.3718	-.01641
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00499**	**-.00404**	**-.00865**	**-.00080**	**.00028**	W **5.3299**	**-.00545**	**-.00132**	F **11.246**	**-.00240**	**-.00013**	**.00879**
Stddev	.00220	.00247	.00529	.00043	.00004	.0063	.00029	.00093	.056	.00004	.00050	.00124
%RSD	44.011	61.163	61.163	53.160	13.538	.11841	5.2784	70.481	.50101	1.5786	388.76	14.058
#1	-.00344	-.00579	-.01240	-.00111	.00025	5.3255	-.00524	-.00066	11.286	-.00243	.00022	.00966
#2	-.00654	-.00229	-.00491	-.00050	.00030	5.3344	-.00565	-.00198	11.206	-.00237	-.00048	.00791
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7971.2**	**96061.**	**10206.**
Stddev	9.9	280.	42.
%RSD	.12475	.29138	.40798
#1	7978.3	95863.	10177.
#2	7964.2	96258.	10235.

Sample Name: CCV-2431894 Acquired: 1/2/2014 12:32:15 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55499	.53099	W 1.1021	F .56009	.54585	.52565	-.00310	5.4278	.52587	.53016	.54843	.54068
Stddev	.00005	.00190	.0055	.00487	.00051	.00021	.00051	.0161	.00237	.00310	.00338	.00100
%RSD	.00927	.35802	.50192	.86931	.09272	.04060	16.367	.29639	.44997	.58537	.61582	.18404
#1	.55495	.53234	1.1060	.56353	.54550	.52550	-.00274	5.4164	.52754	.53236	.55082	.54138
#2	.55503	.52965	1.0982	.55665	.54621	.52580	-.00346	5.4392	.52420	.52797	.54604	.53997
Check ?	Chk Fail	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000		1.0000	.50000								
Range	10.490%		10.000%	10.490%								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5925	51.974	1.0768	20.840	.51727	.54297	F 5.5280	.51850	1.0831	1.0539	.03089	F 1.1050
Stddev	.0130	.014	.0027	.054	.00001	.00202	.0018	.00287	.0092	.0072	.00613	.0049
%RSD	.50102	.02758	.24787	.25978	.00118	.37157	.03203	.55335	.84572	.68110	19.860	.44336
#1	2.6017	51.964	1.0750	20.801	.51728	.54440	5.5268	.52053	1.0896	1.0590	.03523	1.1084
#2	2.5833	51.984	1.0787	20.878	.51727	.54154	5.5293	.51648	1.0766	1.0488	.02655	1.1015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail
Value							5.0000					1.0000
Range							10.490%					10.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0485	5.3464	11.441	1.0837	.53415	-.00463	.52942	1.0896	.06332	.52006	.51646	.53548
Stddev	.0007	.0326	.070	.0059	.00003	.00032	.00115	.0054	.00925	.00063	.00635	.00292
%RSD	.06596	.60953	.60953	.54168	.00622	6.9831	.21732	.49273	14.616	.12167	1.2295	.54566
#1	1.0490	5.3694	11.491	1.0878	.53417	-.00486	.52861	1.0934	.05677	.52051	.51197	.53755
#2	1.0480	5.3234	11.392	1.0795	.53413	-.00440	.53023	1.0858	.06986	.51961	.52095	.53341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	8033.3	98065.	10136.
Stddev	6.9	202.	39.
%RSD	.08527	.20631	.38405
#1	8028.5	98209.	10163.
#2	8038.2	97922.	10108.

Sample Name: CCB Acquired: 1/2/2014 12:34:22 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**-.00207**	**.00007**	**.00390**	**.00006**	**.00005**	**-.00150**	**-.00530**	**.00005**	**-.00009**	**.00001**	**-.00037**
Stddev	.00022	.00014	.00160	.00007	.00027	.00004	.00029	.00048	.00006	.00014	.00004	.00001
%RSD	128.00	6.9396	2160.0	1.9026	468.64	81.044	19.501	9.0476	133.96	157.55	435.67	2.3597
#1	-.00002	-.00218	-.00106	.00385	-.00013	.00002	-.00171	-.00564	.00009	.00001	.00004	-.00036
#2	-.00033	-.00197	.00120	.00396	.00025	.00007	-.00129	-.00496	.00000	-.00019	-.00002	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01526**	**-.00085**	**.00045**	**-.00003**	**.00046**	W **.13914**	**-.00056**	**-.00480**	**-.00086**	**.02286**	**.00131**
Stddev	.00058	.03538	.00051	.00067	.00002	.00012	.00219	.00004	.00094	.00065	.00068	.00091
%RSD	96.273	231.86	59.752	149.33	50.479	25.826	1.5769	7.1520	19.634	75.286	2.9669	69.437
#1	.00101	-.00976	-.00122	.00092	-.00002	.00055	.14069	-.00058	-.00414	-.00040	.02238	.00195
#2	.00019	.04027	-.00049	-.00003	-.00004	.00038	.13758	-.00053	-.00547	-.00132	.02334	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**.01779**	**.03807**	**-.00002**	**.00003**	**.00006**	**-.00015**	**-.00016**	F **.06153**	**.00000**	**.00272**	**-.00026**
Stddev	.00174	.00371	.00793	.00039	.00001	.00016	.00000	.00072	.02669	.0000	.00015	.00044
%RSD	423.66	20.842	20.842	2152.3	23.723	249.62	.98673	436.74	43.377	426.65	5.6365	166.19
#1	-.00164	.02041	.04368	.00026	.00002	.00018	-.00015	.00034	.08040	-.00002	.00283	.00005
#2	.00082	.01517	.03246	-.00030	.00003	-.00005	-.00015	-.00067	.04265	.00001	.00261	-.00057
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8096.0**	**100510.**	**10062.**
Stddev	34.6	583.	8.
%RSD	.42762	.57985	.07828
#1	8120.4	100930.	10057.
#2	8071.5	100100.	10068.

Sample Name: CCVL-2445883 Acquired: 1/2/2014 12:36:42 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01197**	**.11403**	**.01928**	**.11942**	**.01135**	**.00105**	**.12998**	**.22358**	**.00581**	**.01134**	**.01167**	**.01640**	**.10656**
Stddev	.00006	.00016	.00087	.00021	.00001	.00001	.00185	.00381	.00002	.00029	.00012	.00079	.00096
%RSD	.47006	.13948	4.5203	.17690	.12894	1.1908	1.4247	1.7047	.35014	2.5673	1.0319	4.7940	.89983
#1	.01193	.11414	.01989	.11927	.01134	.00104	.13129	.22089	.00580	.01113	.01175	.01696	.10588
#2	.01201	.11391	.01866	.11957	.01136	.00106	.12867	.22628	.00583	.01154	.01158	.01585	.10723
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2402**	**.01236**	**.22792**	**.01073**	**.02211**	**1.2414**	**.04390**	**3.3128**	**.00973**	**.01813**	**.01206**	**.01582**	**.56436**
Stddev	.0467	.00098	.00009	.00004	.00008	.0105	.00017	.0051	.00043	.00119	.00155	.00191	.00429
%RSD	1.4418	7.8988	.03915	.34672	.38373	.84723	.38064	.15263	4.4329	6.5519	12.868	12.085	.76084
#1	3.2072	.01167	.22786	.01075	.02205	1.2340	.04402	3.3093	.01003	.01897	.01096	.01717	.56133
#2	3.2732	.01305	.22798	.01070	.02217	1.2488	.04378	3.3164	.00942	.01729	.01316	.01447	.56740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2077**	**.11394**	**.01090**	**.01604**	**.01066**	**.01801**	F **.14005**	**.01064**	**.02397**	**.01535**
Stddev	.0092	.00030	.00020	.00001	.00064	.00086	.00043	.00038	.00050	.00120
%RSD	.76084	.26579	1.8260	.07558	6.0472	4.7839	.30962	3.5473	2.1012	7.8448
#1	1.2012	.11372	.01076	.01603	.01111	.01740	.13974	.01091	.02432	.01620
#2	1.2142	.11415	.01104	.01605	.01020	.01862	.14035	.01037	.02361	.01450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8285.8**	**102320.**	**10248.**
Stddev	6.8	655.	3.
%RSD	.08253	.64050	.03346
#1	8290.6	102780.	10246.
#2	8281.0	101860.	10251.

Sample Name: 280-50465-c-2-b Acquired: 1/2/2014 12:39:02 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.35886**	**.00204**	**.01592**	**.20173**	**.00018**	**-.00128**	**15.177**	**.00086**	**.00132**
Stddev	.00003	.00032	.00093	.00007	.00070	.00004	.00071	.044	.00004	.00001
%RSD	39.927	.08929	45.625	.44822	.34757	19.564	55.453	.29111	5.0562	.67161
#1	-.00009	.35863	.00269	.01587	.20222	.00021	-.00078	15.146	.00083	.00131
#2	-.00005	.35908	.00138	.01597	.20123	.00016	-.00178	15.208	.00089	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00130**	**.00350**	**.53043**	**2.1342**	**.00215**	**9.7430**	**.04418**	**.00061**	**40.513**	**.00094**
Stddev	.00011	.00022	.00395	.0655	.00019	.0329	.00009	.00007	.127	.00023
%RSD	8.5974	6.1632	.74476	3.0689	8.9700	.33726	.20237	12.141	.31262	24.521
#1	.00138	.00365	.52763	2.0879	.00229	9.7197	.04412	.00067	40.424	.00110
#2	.00122	.00335	.53322	2.1805	.00202	9.7662	.04425	.00056	40.603	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30163**	**-.00050**	**.91022**	**.00083**	**.00030**	**6.1584**	**13.179**	**-.00074**	**.10210**	**-.00002**
Stddev	.00085	.00023	.00654	.00153	.00066	.0430	.092	.00028	.00034	.00144
%RSD	.28209	46.305	.71874	184.57	217.47	.69837	.69837	37.469	.33021	6104.8
#1	.30102	-.00034	.90560	-.00025	.00076	6.1280	13.114	-.00093	.10186	-.00104
#2	.30223	-.00067	.91485	.00192	-.00016	6.1889	13.244	-.00054	.10234	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00154**	**.03439**	**.00051**	**.01445**	**.00021**
Stddev	.00010	.00013	.03131	.00019	.00039	.00012
%RSD	63.674	8.1327	91.030	37.993	2.6984	57.807
#1	.00023	-.00163	.05653	.00037	.01473	.00012
#2	.00009	-.00146	.01226	.00064	.01418	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8045.8**	**98711.**	**10349.**
Stddev	9.6	180.	20.
%RSD	.11910	.18253	.19730
#1	8052.6	98839.	10364.
#2	8039.0	98584.	10335.

Sample Name: 280-50465-c-3-b Acquired: 1/2/2014 12:41:25 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.02215**	**.00397**	**.01390**	**.02663**	**.00003**	**-.00164**	**19.400**	**.00056**	**-.00016**
Stddev	.00032	.00031	.00029	.00049	.00045	.00004	.00020	.010	.00002	.00006
%RSD	5315.0	1.4016	7.2892	3.5347	1.6976	119.35	12.056	.05124	2.8843	39.404
#1	-.00023	.02237	.00376	.01425	.02631	.00006	-.00178	19.393	.00058	-.00012
#2	.00022	.02193	.00417	.01356	.02695	.00000	-.00150	19.407	.00055	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00110**	**13.351**	**1.4885**	**.00037**	**21.935**	**.45334**	**.00022**	**3.8155**	**.00018**
Stddev	.00012	.00045	.004	.0187	.00015	.123	.00215	.00003	.0000	.00029
%RSD	29.065	41.155	.02754	1.2544	40.245	.56211	.47380	15.159	.00051	159.69
#1	.00031	.00142	13.348	1.4753	.00047	21.848	.45182	.00020	3.8155	-.00002
#2	.00048	.00078	13.353	1.5017	.00026	22.022	.45485	.00025	3.8155	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04589**	**.00065**	**15.240**	**.00058**	**-.00285**	**1.3465**	**2.8815**	**-.00059**	**.08732**	**.00070**
Stddev	.00071	.00030	.243	.00124	.00135	.0064	.0138	.00021	.00022	.00241
%RSD	1.5492	46.806	1.5970	213.89	47.466	.47701	.47701	35.756	.24642	343.72
#1	.04539	.00043	15.412	.00146	-.00189	1.3420	2.8718	-.00044	.08717	-.00100
#2	.04640	.00086	15.068	-.00030	-.00381	1.3510	2.8912	-.00073	.08747	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00045**	**.03210**	**.00095**	**.02785**	**.00037**
Stddev	.00032	.00050	.00744	.00038	.00008	.00044
%RSD	724.53	111.21	23.164	39.886	.29739	119.58
#1	.00018	-.00080	.02684	.00122	.02791	.00006
#2	-.00027	-.00010	.03736	.00068	.02779	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8143.9**	**99373.**	**10244.**
Stddev	104.3	165.	83.
%RSD	1.2802	.16615	.81440
#1	8070.2	99489.	10185.
#2	8217.7	99256.	10303.

Sample Name: 280-50465-c-4-b Acquired: 1/2/2014 12:43:47 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.03816**	**.00434**	**.04385**	**.01981**	**.00001**	**-.00134**	**140.25**	**.00037**	**-.00012**
Stddev	.00060	.00069	.00077	.00100	.00015	.00003	.00003	.06	.00014	.00008
%RSD	342.74	1.8008	17.795	2.2766	.76288	367.51	2.4751	.04405	38.077	65.778
#1	-.00059	.03767	.00488	.04315	.01992	-.00001	-.00132	140.21	.00027	-.00018
#2	.00025	.03864	.00379	.04456	.01970	.00003	-.00137	140.29	.00048	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00219**	**10.306**	**3.1708**	**.00095**	**4.5523**	**.10029**	**.00034**	**2.2077**	**.00044**
Stddev	.00005	.00024	.027	.0105	.00036	.0015	.00029	.00002	.0154	.00043
%RSD	6.5712	10.890	.26189	.33180	37.327	.03229	.29231	6.5698	.69617	98.419
#1	.00075	.00236	10.325	3.1633	.00121	4.5533	.10049	.00036	2.2186	.00074
#2	.00082	.00202	10.287	3.1782	.00070	4.5513	.10008	.00033	2.1969	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03742**	**-.00048**	**2.1770**	**.00099**	**-.00377**	**.94635**	**2.0252**	**-.00046**	**.21262**	**.00174**
Stddev	.00231	.00099	.0267	.00124	.00350	.01444	.0309	.00040	.00004	.00051
%RSD	6.1827	207.24	1.2250	124.75	92.836	1.5264	1.5264	86.945	.01687	29.403
#1	.03579	.00022	2.1581	.00012	-.00624	.95656	2.0470	-.00075	.21264	.00210
#2	.03906	-.00118	2.1959	.00187	-.00129	.93613	2.0033	-.00018	.21259	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**-.00041**	**.03679**	**.00050**	**.08213**	**-.00103**
Stddev	.00018	.00040	.01018	.00034	.00010	.00065
%RSD	94.620	98.660	27.665	67.900	.12346	63.323
#1	-.00032	-.00069	.02959	.00074	.08221	-.00149
#2	-.00006	-.00012	.04399	.00026	.08206	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7900.7**	**98003.**	**10398.**
Stddev	27.4	82.	70.
%RSD	.34713	.08350	.66988
#1	7920.1	97946.	10349.
#2	7881.3	98061.	10447.

Sample Name: 280-50465-c-5-b Acquired: 1/2/2014 12:46:15 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.08690**	**.00284**	**.02237**	**.01277**	**.00006**	**-.00261**	**19.286**	**.00032**	**-.00026**
Stddev	.00037	.00041	.00001	.00004	.00025	.00003	.00008	.058	.00000	.00001
%RSD	77.896	.46795	.50282	.16621	1.9431	48.374	3.1990	.30016	.53480	2.7680
#1	-.00073	.08719	.00283	.02240	.01260	.00008	-.00267	19.245	.00032	-.00025
#2	-.00021	.08661	.00285	.02235	.01295	.00004	-.00255	19.327	.00032	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00068**	**.05159**	**2.5786**	**.00269**	**6.3122**	**.00486**	**.00307**	**6.4393**	**-.00068**
Stddev	.00009	.00030	.00351	.0406	.00111	.0146	.00007	.00021	.0129	.00009
%RSD	41.430	44.654	6.8110	1.5763	41.081	.23197	1.5244	6.8600	.20036	13.659
#1	.00016	.00047	.04911	2.5499	.00191	6.3019	.00481	.00292	6.4301	-.00061
#2	.00029	.00090	.05408	2.6073	.00348	6.3226	.00491	.00322	6.4484	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07379**	**-.00037**	**1.2086**	**-.00020**	**-.00167**	**8.9535**	**19.160**	**-.00032**	**.20914**	**-.00053**
Stddev	.00049	.00036	.0040	.00035	.00141	.0563	.121	.00026	.00024	.00062
%RSD	.66333	95.637	.33535	176.10	84.414	.62936	.62936	81.568	.11382	117.50
#1	.07345	-.00062	1.2114	-.00045	-.00266	8.9136	19.075	-.00050	.20897	-.00009
#2	.07414	-.00012	1.2057	.00005	-.00067	8.9933	19.246	-.00013	.20931	-.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00014**	**.06682**	**.00036**	**.01140**	**-.00066**
Stddev	.00032	.00039	.00633	.00006	.00003	.00035
%RSD	54.561	279.93	9.4742	17.423	.26116	53.087
#1	.00036	-.00042	.06235	.00040	.01137	-.00041
#2	.00081	.00014	.07130	.00031	.01142	-.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.8**	**100450.**	**10488.**
Stddev	7.5	302.	8.
%RSD	.09070	.30077	.07633
#1	8220.5	100660.	10493.
#2	8231.1	100230.	10482.

Sample Name: 280-50465-c-6-b Acquired: 1/2/2014 12:48:38 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.19073**	**.00043**	**.11704**	**.01703**	**.00007**	**-.00442**	**32.774**	**.00030**	**.00010**
Stddev	.00023	.00101	.00125	.00051	.00015	.00003	.00057	.324	.00007	.00010
%RSD	73.467	.53139	292.40	.43249	.90011	42.824	12.883	.98752	22.566	92.589
#1	-.00015	.19002	.00131	.11668	.01692	.00009	-.00483	32.545	.00025	.00004
#2	-.00047	.19145	-.00046	.11740	.01714	.00005	-.00402	33.003	.00035	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00036**	**.02793**	**8.7537**	**-.00082**	**4.6273**	**.08832**	**.00049**	**1.3496**	**-.00038**
Stddev	.00005	.00042	.00004	.1139	.00149	.0146	.00046	.00001	.0059	.00007
%RSD	6.7792	117.73	.15153	1.3014	182.58	.31515	.52602	1.4981	.43483	17.552
#1	.00069	.00006	.02796	8.6732	.00024	4.6170	.08799	.00049	1.3454	-.00033
#2	.00076	.00065	.02790	8.8343	-.00187	4.6376	.08865	.00050	1.3537	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01404**	**-.00040**	**8.5561**	**-.00042**	**.00153**	**1.5251**	**3.2636**	**-.00120**	**.09527**	**.00122**
Stddev	.00103	.00009	.0762	.00064	.00308	.0009	.0019	.00035	.00099	.00045
%RSD	7.3701	21.946	.89101	153.58	201.44	.05845	.05845	29.087	1.0390	36.708
#1	.01331	-.00034	8.5022	.00004	.00371	1.5244	3.2623	-.00095	.09457	.00090
#2	.01477	-.00047	8.6100	-.00087	-.00065	1.5257	3.2650	-.00145	.09597	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00038**	**.04772**	**.00071**	**.00558**	**.00031**
Stddev	.00004	.00094	.00128	.00022	.00069	.00090
%RSD	24.693	248.40	2.6905	30.773	12.434	294.64
#1	.00020	-.00029	.04863	.00086	.00509	.00094
#2	.00014	.00104	.04681	.00055	.00607	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8038.6**	**98986.**	**10295.**
Stddev	36.7	263.	80.
%RSD	.45627	.26593	.78097
#1	8064.6	99172.	10352.
#2	8012.7	98800.	10238.

Sample Name: 280-50465-c-8-b Acquired: 1/2/2014 12:51:01 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.01053**	**.00322**	**.01138**	**.06001**	**.00005**	**-.00304**	**26.278**	**.00030**	**-.00018**
Stddev	.00025	.00046	.00004	.00093	.00033	.00009	.00025	.026	.00011	.00010
%RSD	481.58	4.3841	1.1877	8.1500	.55371	178.19	8.1315	.09936	37.794	54.490
#1	-.00012	.01085	.00324	.01204	.06024	-.00001	-.00322	26.296	.00022	-.00011
#2	.00022	.01020	.00319	.01073	.05977	.00011	-.00287	26.259	.00038	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00078**	**.00082**	**.85560**	**1.4037**	**.00240**	**2.1206**	**.00480**	**.00017**	**6.6493**	**-.00002**
Stddev	.00014	.00044	.00360	.0497	.00028	.0015	.00001	.00008	.0226	.00011
%RSD	18.004	53.849	.42099	3.5369	11.491	.07289	.18061	46.269	.33916	567.94
#1	.00068	.00051	.85306	1.4388	.00259	2.1195	.00480	.00011	6.6653	-.00010
#2	.00088	.00113	.85815	1.3686	.00220	2.1217	.00481	.00022	6.6334	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28147**	**.00032**	**.21210**	**-.00033**	**-.00083**	**6.9986**	**14.977**	**-.00027**	**.06461**	**.00071**
Stddev	.00928	.00041	.00605	.00017	.00019	.0233	.050	.00043	.00028	.00015
%RSD	3.2982	128.21	2.8525	52.561	22.608	.33365	.33365	162.35	.43049	21.698
#1	.28803	.00060	.21638	-.00045	-.00097	7.0151	15.012	.00004	.06481	.00082
#2	.27490	.00003	.20782	-.00021	-.00070	6.9821	14.942	-.00058	.06441	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00031**	**.04997**	**.00057**	**.00715**	**.00114**
Stddev	.00005	.00015	.02177	.00031	.00059	.00008
%RSD	36.955	48.644	43.570	54.833	8.1883	7.0975
#1	-.00017	-.00020	.03458	.00035	.00674	.00119
#2	-.00010	-.00042	.06537	.00080	.00757	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8095.4**	**98596.**	**10113.**
Stddev	146.8	83.	49.
%RSD	1.8140	.08403	.48280
#1	7991.6	98655.	10148.
#2	8199.3	98537.	10079.

Sample Name: 280-50465-c-9-b Acquired: 1/2/2014 12:53:24 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206156 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.04705**	**.00113**	**.06369**	**.00896**	**-.00002**	**-.00252**	**4.5986**	**.00039**	**-.00011**
Stddev	.00022	.00005	.00018	.00055	.00020	.00004	.00104	.0309	.00002	.00002
%RSD	129.37	.11615	16.161	.85990	2.2514	225.10	41.347	.67106	4.6316	18.199
#1	.00001	.04701	.00126	.06330	.00881	.00001	-.00178	4.5767	.00040	-.00012
#2	.00033	.04709	.00100	.06407	.00910	-.00004	-.00326	4.6204	.00038	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00095**	**.05830**	**2.8226**	**.00054**	**.60425**	**.04448**	**.00129**	**1.1112**	**-.00003**
Stddev	.00007	.00019	.00226	.0267	.00063	.00034	.00005	.00010	.0092	.00008
%RSD	14.025	20.411	3.8761	.94480	116.90	.05676	.10477	8.0207	.82542	254.23
#1	.00048	.00081	.05671	2.8038	.00009	.60449	.04445	.00122	1.1047	.00003
#2	.00058	.00109	.05990	2.8415	.00098	.60400	.04451	.00136	1.1177	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10430**	**-.00067**	**2.6978**	**.00223**	**-.00154**	**5.0418**	**10.789**	**.00019**	**.02506**	**.00096**
Stddev	.00014	.00157	.0215	.00065	.00102	.0628	.134	.00010	.00011	.00059
%RSD	.13317	235.88	.79737	29.309	66.223	1.2445	1.2445	49.266	.43963	61.050
#1	.10420	-.00178	2.6826	.00176	-.00082	4.9974	10.694	.00013	.02498	.00137
#2	.10440	.00044	2.7130	.00269	-.00226	5.0861	10.884	.00026	.02514	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00101**	**.00004**	**.04564**	**.00347**	**.00978**	**-.00030**
Stddev	.00001	.00013	.02341	.00029	.00006	.00086
%RSD	1.1546	341.68	51.296	8.4821	.66411	284.89
#1	.00100	.00013	.06219	.00327	.00983	-.00091
#2	.00102	-.00005	.02909	.00368	.00974	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8161.8**	**101280.**	**10226.**
Stddev	22.0	14.	105.
%RSD	.26994	.01389	1.0223
#1	8177.4	101290.	10300.
#2	8146.2	101270.	10152.

Sample Name: CCVH-2444534 Acquired: 1/2/2014 12:55:46 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00188**	**52.608**	**.00262**	**.00104**	**.00056**	**-.00001**	F **1.1218**	**-.01961**	**-.00003**	**-.00073**	**-.00025**	**-.01188**
Stddev	.00011	.067	.00190	.00005	.00006	.00003	.0036	.00035	.00016	.00019	.00010	.00017
%RSD	5.6604	.12768	72.393	5.0040	11.484	195.11	.31658	1.8039	502.06	25.824	39.123	1.4669
#1	.00180	52.561	.00396	.00100	.00060	-.00003	1.1244	-.01936	-.00015	-.00060	-.00018	-.01201
#2	.00196	52.656	.00128	.00107	.00051	.00001	1.1193	-.01986	.00008	-.00087	-.00032	-.01176
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.645**	**.01930**	**.00137**	**-.09283**	**.00116**	**-.00007**	**263.49**	**.00068**	**-.00104**	**-.00097**	W **5.3166**	**-.01613**
Stddev	.299	.00723	.00056	.00021	.00002	.00029	.18	.00010	.00077	.00063	.0004	.00112
%RSD	.55682	37.467	40.723	.22193	1.7551	412.19	.06733	14.840	74.288	65.267	.00778	6.9545
#1	53.434	.01419	.00098	-.09297	.00117	.00013	263.36	.00061	-.00158	-.00142	5.3163	-.01693
#2	53.856	.02441	.00177	-.09268	.00114	-.00027	263.61	.00075	-.00049	-.00052	5.3169	-.01534
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00705**	**.01502**	**.03214**	**-.00032**	**.00028**	W **5.3378**	**-.00572**	**-.00068**	F **11.196**	**-.00323**	**.00023**	**.00639**
Stddev	.00049	.00397	.00849	.00028	.00006	.0039	.00042	.00061	.044	.00032	.00001	.00015
%RSD	6.8927	26.429	26.429	87.840	22.563	.07225	7.3685	90.439	.39216	9.8769	5.1049	2.3549
#1	-.00739	.01783	.03815	-.00052	.00032	5.3406	-.00602	-.00024	11.165	-.00346	.00022	.00628
#2	-.00670	.01221	.02613	-.00012	.00023	5.3351	-.00542	-.00111	11.227	-.00301	.00024	.00649
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Fail	None	None	None
Value						5.0000			10.000			
Range						5.0000%			10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7930.0**	**94803.**	**9995.9**
Stddev	3.6	293.	62.7
%RSD	.04537	.30932	.62733
#1	7932.5	94595.	9951.5
#2	7927.4	95010.	10040.

Sample Name: CCVx-2431894 Acquired: 1/2/2014 12:58:10 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .57063	F .55281	F 1.1511	F .57869	F .55902	.53617	-.00463	F 5.5690	.54422	W .55217	F .57471	.54958
Stddev	.00038	.00069	.0058	.00054	.00021	.00087	.00097	.0236	.00222	.00199	.00074	.00174
%RSD	.06705	.12545	.50687	.09403	.03672	.16302	20.881	.42412	.40830	.35975	.12919	.31721
#1	.57090	.55232	1.1470	.57830	.55916	.53555	-.00395	5.5523	.54265	.55076	.57418	.55082
#2	.57035	.55330	1.1552	.57907	.55887	.53679	-.00531	5.5857	.54579	.55357	.57523	.54835
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Warn	Chk Fail	Chk Pass
Value	.50000	.50000	1.0000	.50000	.50000			5.0000		.50000	.50000	
Range	10.490%	10.490%	10.490%	10.490%	10.490%			10.490%		10.000%	10.490%	

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6397	53.147	W 1.1002	21.569	.53392	F .57205	F 5.5913	.53660	F 1.1309	1.0904	.01003	F 1.1447
Stddev	.0250	.229	.0029	.031	.00023	.00436	.0173	.00020	.0014	.0026	.00226	.0032
%RSD	.94860	.43120	.26831	.14508	.04349	.76194	.31007	.03635	.12184	.23995	22.524	.27570
#1	2.6574	52.985	1.1023	21.547	.53408	.56897	5.6036	.53647	1.1299	1.0886	.01163	1.1425
#2	2.6220	53.309	1.0981	21.591	.53375	.57513	5.5791	.53674	1.1319	1.0923	.00843	1.1469
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Fail
Value			1.0000			.50000	5.0000		1.0000			1.0000
Range			10.000%			10.490%	10.490%		10.490%			10.490%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0907	5.4875	11.743	F 1.1320	.54623	-.00393	.54620	F 1.1271	.04279	.53401	.53578	.54918
Stddev	.0035	.0224	.048	.0022	.00173	.00106	.00035	.0002	.01655	.00092	.00091	.00648
%RSD	.32159	.40748	.40748	.19413	.31659	27.003	.06495	.02012	38.688	.17142	.16913	1.1797
#1	1.0882	5.5033	11.777	1.1304	.54501	-.00468	.54595	1.1270	.03108	.53466	.53643	.55376
#2	1.0931	5.4717	11.709	1.1335	.54745	-.00318	.54645	1.1273	.05449	.53336	.53514	.54460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
Value				1.0000				1.0000				
Range				10.490%				10.490%				

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7975.2	97363.	10122.
Stddev	2.8	98.	66.
%RSD	.03459	.10110	.64998
#1	7977.1	97433.	10169.
#2	7973.2	97294.	10076.

Sample Name: CCB Acquired: 1/2/2014 13:00:19 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**-.00180**	**.00008**	**.00212**	**.00002**	**.00004**	**-.00160**	**-.00591**	**.00015**	**-.00010**	**.00005**	**-.00058**	**-.00106**
Stddev	.00014	.00015	.00173	.00033	.00016	.00000	.00057	.00112	.00016	.00004	.00008	.00053	.00024
%RSD	49.582	8.2883	2058.0	15.735	719.94	.72650	35.842	18.877	110.52	37.919	157.14	92.280	22.824
#1	.00038	-.00169	.00131	.00236	-.00009	.00004	-.00200	-.00512	.00003	-.00008	.00011	-.00020	-.00089
#2	.00018	-.00190	-.00114	.00188	.00013	.00004	-.00119	-.00670	.00026	-.00013	-.00001	-.00095	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03450**	**-.00029**	**.00016**	**-.00001**	**.00048**	**.08242**	**-.00081**	**-.00417**	**-.00033**	**.00619**	**.00164**	**.00087**	**.01640**
Stddev	.02898	.00039	.00031	.00001	.00003	.00017	.00010	.00010	.00011	.00121	.00221	.00381	.00616
%RSD	84.007	135.54	196.97	226.67	6.7528	.21088	12.675	2.3383	32.971	19.525	134.54	438.49	37.570
#1	.05500	-.00056	.00037	.00000	.00051	.08230	-.00074	-.00410	-.00025	.00704	.00008	-.00182	.01205
#2	.01401	-.00001	-.00006	-.00001	.00046	.08254	-.00088	-.00424	-.00040	.00533	.00320	.00356	.02076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03511**	**.00022**	**-.00001**	**.00123**	**-.00052**	**-.00071**	**.03869**	**-.00001**	**.00294**	**-.00049**
Stddev	.01319	.00064	.00002	.00118	.00009	.00084	.00449	.00006	.00014	.00244
%RSD	37.570	289.77	397.29	96.124	16.367	118.37	11.600	704.03	4.9333	502.10
#1	.02578	.00067	-.00002	.00207	-.00046	-.00130	.03551	-.00005	.00284	-.00221
#2	.04443	-.00023	.00001	.00039	-.00058	-.00012	.04186	.00003	.00304	.00124
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8068.0**	**99004.**	**9810.6**
Stddev	134.9	377.	29.0
%RSD	1.6725	.38085	.29585
#1	7972.5	99271.	9831.2
#2	8163.4	98737.	9790.1

Sample Name: CCV-2431894 Acquired: 1/2/2014 13:06:36 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .55152	.53703	1.0790	.54302	.52334	.50634	-.00445	5.3813	.51311	.52229	.54185	.52973
Stddev	.00027	.00078	.0043	.00022	.00320	.00133	.00079	.0024	.00015	.00071	.00053	.00162
%RSD	.04817	.14434	.40036	.03967	.61157	.26213	17.812	.04531	.02911	.13611	.09692	.30597
#1	.55134	.53648	1.0820	.54286	.52107	.50540	-.00389	5.3796	.51300	.52280	.54222	.52858
#2	.55171	.53758	1.0759	.54317	.52560	.50728	-.00501	5.3830	.51321	.52179	.54148	.53087
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5293	50.565	1.0414	21.220	.51286	.53063	5.2362	.50732	1.0623	1.0430	.01432	1.0717
Stddev	.0076	.199	.0081	.041	.00147	.00057	.0062	.00135	.0012	.0007	.00243	.0019
%RSD	.30001	.39315	.77363	.19315	.28674	.10831	.11853	.26556	.11393	.06915	16.995	.17394
#1	2.5240	50.424	1.0357	21.249	.51182	.53022	5.2405	.50636	1.0615	1.0425	.01604	1.0731
#2	2.5347	50.705	1.0471	21.191	.51390	.53103	5.2318	.50827	1.0632	1.0435	.01260	1.0704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0226	5.3324	11.411	1.0750	.51007	-.00309	.52010	1.0652	.03810	.51057	.52223	.52028
Stddev	.0013	.0303	.065	.0001	.00211	.00057	.00051	.0034	.00484	.00116	.00092	.00125
%RSD	.12569	.56753	.56753	.00732	.41358	18.525	.09793	.32372	12.712	.22638	.17654	.23970
#1	1.0235	5.3110	11.366	1.0749	.50858	-.00269	.51974	1.0628	.04152	.51139	.52288	.51939
#2	1.0217	5.3538	11.457	1.0750	.51156	-.00350	.52046	1.0676	.03467	.50975	.52157	.52116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7991.6	96033.	9406.8
Stddev	1.2	401.	8.6
%RSD	.01552	.41723	.09192
#1	7990.7	95750.	9400.7
#2	7992.4	96317.	9412.9

Sample Name: CCV-2431894 Acquired: 1/2/2014 13:08:42 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .55046	.53625	1.0787	.54475	.52539	.51109	-.00385	5.4003	.51207	.52114	.54185	.52956
Stddev	.00274	.00126	.0036	.00033	.00010	.00014	.00132	.0010	.00100	.00009	.00140	.00255
%RSD	.49778	.23502	.33629	.06086	.01833	.02715	34.247	.01770	.19590	.01699	.25882	.48162
#1	.55240	.53535	1.0761	.54499	.52532	.51119	-.00478	5.4010	.51278	.52120	.54086	.53136
#2	.54852	.53714	1.0813	.54452	.52546	.51099	-.00292	5.3996	.51136	.52108	.54284	.52775
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5524	51.109	1.0464	21.253	.51484	.53551	5.2890	.50614	1.0604	1.0375	.01231	1.0696
Stddev	.0022	.138	.0028	.003	.00007	.00012	.0028	.00049	.0022	.0054	.00049	.0034
%RSD	.08784	.26960	.26529	.01279	.01444	.02266	.05281	.09633	.21225	.52206	3.9809	.31407
#1	2.5540	51.206	1.0484	21.255	.51490	.53559	5.2870	.50648	1.0620	1.0414	.01266	1.0720
#2	2.5508	51.011	1.0445	21.251	.51479	.53542	5.2910	.50579	1.0589	1.0337	.01196	1.0672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0133	5.3713	11.495	1.0735	.51595	-.00474	.52135	1.0740	.05439	.51257	.52223	.52692
Stddev	.0098	.0283	.061	.0021	.00022	.00019	.00170	.0040	.01662	.00070	.00045	.00019
%RSD	.96420	.52653	.52653	.19050	.04187	3.9991	.32579	.37537	30.556	.13653	.08624	.03635
#1	1.0202	5.3513	11.452	1.0750	.51580	-.00487	.52255	1.0769	.04264	.51207	.52255	.52678
#2	1.0064	5.3913	11.537	1.0721	.51611	-.00461	.52015	1.0712	.06614	.51306	.52192	.52705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7954.1	95209.	9395.7
Stddev	25.4	126.	22.0
%RSD	.31902	.13265	.23402
#1	7972.1	95298.	9411.2
#2	7936.2	95119.	9380.1

Sample Name: CCB Acquired: 1/2/2014 13:11:42 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00220**	**.00087**	**.00280**	**.00048**	**.00010**	**.00099**	**-.00408**	**.00008**	**-.00017**	**.00001**	**-.00069**	**.00136**
Stddev	.00015	.00026	.00080	.00010	.00012	.00007	.00022	.00278	.00004	.00003	.00008	.00023	.00085
%RSD	63.157	11.713	91.606	3.6812	25.859	67.966	21.896	68.252	46.664	16.409	575.15	33.522	62.192
#1	-.00013	-.00238	.00144	.00272	.00057	.00015	.00084	-.00211	.00010	-.00015	.00007	-.00086	.00076
#2	-.00035	-.00202	.00031	.00287	.00039	.00005	.00115	-.00605	.00005	-.00019	-.00004	-.00053	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03715**	**-.00060**	**-.00029**	**.00001**	**.00025**	**.02135**	**-.00045**	**-.00399**	**-.00069**	**.00887**	**.00231**	**-.00259**	**.01071**
Stddev	.00968	.00094	.00278	.00003	.00014	.00960	.00021	.00080	.00024	.00110	.00075	.00417	.01570
%RSD	26.046	157.11	972.78	314.73	58.292	44.994	47.889	19.933	34.923	12.350	32.363	161.12	146.65
#1	.04399	-.00127	-.00225	.00003	.00015	.01456	-.00060	-.00456	-.00086	.00810	.00284	-.00554	.02181
#2	.03031	.00007	.00168	-.00001	.00035	.02814	-.00029	-.00343	-.00052	.00965	.00178	.00036	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02291**	**.00018**	**.00001**	**-.00023**	**-.00054**	**.00057**	**.03990**	**.00047**	**.00117**	**-.00067**
Stddev	.03360	.00095	.00010	.00051	.00016	.00019	.03507	.00039	.00013	.00083
%RSD	146.65	517.30	1361.6	219.72	28.650	32.648	87.888	83.800	11.482	124.16
#1	.04668	-.00049	.00008	.00013	-.00043	.00070	.01510	.00075	.00108	-.00125
#2	-.00085	.00085	-.00006	-.00059	-.00065	.00044	.06470	.00019	.00127	-.00008
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7909.8**	**96003.**	**9209.3**
Stddev	14.7	140.	44.0
%RSD	.18633	.14599	.47742
#1	7920.2	96103.	9178.2
#2	7899.4	95904.	9240.4

Sample Name: CCVL-2445883 Acquired: 1/2/2014 13:14:01 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01127**	**.11668**	**.01754**	**.11671**	**.01156**	**.00114**	**.12541**	**.23364**	**.00561**	**.01134**	**.01165**	**.01660**	**.10824**
Stddev	.00031	.00037	.00525	.00026	.00023	.00004	.00195	.00541	.00011	.00001	.00003	.00012	.00214
%RSD	2.7271	.31931	29.919	.22029	2.0177	3.1340	1.5549	2.3159	1.9998	.11219	.22637	.69420	1.9739
#1	.01105	.11641	.02125	.11689	.01140	.00111	.12403	.23746	.00553	.01133	.01163	.01652	.10975
#2	.01148	.11694	.01383	.11652	.01173	.00116	.12679	.22981	.00569	.01135	.01167	.01668	.10673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1954**	**.01032**	**.23537**	**.01099**	**.02200**	**1.1626**	**.04369**	**3.2859**	**.00965**	**.00409**	**.01287**	**.01348**	**.57291**
Stddev	.0082	.00089	.00194	.00004	.00001	.0149	.00005	.0091	.00070	.00155	.00064	.00197	.00905
%RSD	.25575	8.6495	.82339	.39357	.06728	1.2853	.11266	.27760	7.2326	37.842	4.9708	14.577	1.5789
#1	3.1896	.01095	.23674	.01096	.02199	1.1732	.04366	3.2794	.00915	.00518	.01332	.01209	.56652
#2	3.2012	.00969	.23400	.01102	.02201	1.1521	.04373	3.2923	.01014	.00300	.01241	.01487	.57931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2260**	**.11462**	**.01097**	**.01528**	**.01049**	**.01812**	F **.11828**	**.01076**	**.02525**	**.01589**
Stddev	.0194	.00014	.00013	.00043	.00006	.00107	.03785	.00013	.00027	.00095
%RSD	1.5789	.12366	1.1840	2.8374	.58481	5.8949	32.003	1.2504	1.0727	5.9940
#1	1.2123	.11472	.01088	.01498	.01045	.01737	.14505	.01085	.02544	.01657
#2	1.2397	.11452	.01106	.01559	.01054	.01888	.09151	.01066	.02505	.01522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7945.3**	**95484.**	**9093.5**
Stddev	5.5	454.	11.4
%RSD	.06937	.47583	.12525
#1	7949.2	95805.	9085.5
#2	7941.4	95163.	9101.6

Sample Name: lb 280-206192/1-e Acquired: 1/2/2014 13:16:21 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206491 6010B TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.00301**	**.00265**	**.01221**	W **.00634**	**.00008**	**-.00249**	F **.25907**	**.00001**	**-.00047**
Stddev	.00002	.00008	.00106	.00019	.00011	.00004	.00322	.00020	.00010	.00006
%RSD	1.9629	2.6590	39.988	1.5186	1.7247	48.571	129.53	.07740	1446.0	12.303
#1	-.00080	.00295	.00190	.01235	.00642	.00010	-.00021	.25921	-.00006	-.00043
#2	-.00078	.00307	.00340	.01208	.00627	.00005	-.00477	.25893	.00008	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit					.00500			.20000		
Low Limit					-.00500			-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00273**	**.00298**	**.16436**	**.00182**	**.02564**	**.00050**	**.00011**	**309.21**	**-.00039**
Stddev	.00009	.00044	.00276	.03810	.00254	.00330	.00002	.00002	1.93	.00015
%RSD	28.770	16.305	92.725	23.182	139.68	12.880	4.1450	13.670	.62298	38.715
#1	.00036	.00304	.00493	.13742	.00002	.02797	.00048	.00010	307.85	-.00028
#2	.00024	.00241	.00103	.19131	.00362	.02330	.00051	.00012	310.57	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00190**	**.00022**	**.01456**	**.00340**	**.00233**	**.02970**	**.06355**	**.00002**	**.00082**	**.00045**
Stddev	.00202	.00060	.00497	.00167	.00117	.00013	.00027	.00009	.00007	.00057
%RSD	106.59	273.49	34.104	49.274	50.342	.42779	.42779	380.90	8.4183	125.40
#1	.00333	-.00021	.01807	.00221	.00150	.02961	.06336	-.00004	.00077	.00005
#2	.00047	.00065	.01105	.00458	.00316	.02979	.06374	.00008	.00086	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**-.00042**	**.01579**	**.00044**	**.00762**	**-.00085**
Stddev	.00017	.00026	.00449	.00040	.00048	.00005
%RSD	42.858	61.785	28.436	92.185	6.3421	5.9348
#1	-.00052	-.00023	.01262	.00072	.00797	-.00089
#2	-.00028	-.00060	.01897	.00015	.00728	-.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7361.2**	**87849.**	**9051.5**
Stddev	54.8	443.	36.6
%RSD	.74477	.50459	.40486
#1	7400.0	88162.	9025.6
#2	7322.4	87535.	9077.4

Sample Name: lcs 280-206192/2-e Acquired: 1/2/2014 13:18:49 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206491 6010B TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24113**	F **.43307**	**.91882**	F **.22937**	**2.6162**	**.01052**	**.43816**	F **11.215**	**.23703**	**.10467**
Stddev	.00113	.00274	.00223	.00055	.0004	.00000	.00235	.045	.00083	.00018
%RSD	.47059	.63176	.24266	.23938	.01476	.03896	.53636	.39824	.35016	.16883
#1	.24033	.43500	.91725	.22899	2.6160	.01052	.43650	11.184	.23645	.10479
#2	.24193	.43114	.92040	.22976	2.6165	.01051	.43982	11.247	.23762	.10454
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit		.43200		.22000				11.000		
Low Limit		.34400		.17800				8.9000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1576**	**.48874**	**.20818**	F **11.139**	**.22314**	**10.690**	**.10560**	**.21987**	F **306.47**	**.10202**
Stddev	.0020	.00057	.00399	.091	.00488	.082	.00032	.00049	1.12	.00035
%RSD	.17586	.11580	1.9151	.81765	2.1879	.76245	.30729	.22510	.36390	.34598
#1	1.1590	.48914	.20536	11.074	.21969	10.633	.10537	.22022	305.68	.10177
#2	1.1561	.48834	.21100	11.203	.22660	10.748	.10583	.21952	307.26	.10227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				11.000					11.200	
Low Limit				8.9000					9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **2.2618**	**1.1508**	**.01101**	F **.11522**	**.64489**	**2.1919**	F **4.6907**	**.43253**	**.20938**	**.20940**
Stddev	.0054	.0010	.00105	.00404	.00708	.0649	.1388	.00130	.00045	.00021
%RSD	.23801	.08976	9.5060	3.5087	1.0982	2.9597	2.9597	.29971	.21630	.10266
#1	2.2580	1.1516	.01027	.11236	.63989	2.1461	4.5926	.43161	.20906	.20955
#2	2.2657	1.1501	.01175	.11807	.64990	2.2378	4.7889	.43345	.20970	.20924
Check ?	Chk Fail	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2.2200			.10800			4.9220			
Low Limit	1.8200			.08800			4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21531**	**.40944**	F **.51375**	**.10797**	**.57882**	**.10573**
Stddev	.00055	.00303	.03672	.00043	.00594	.00211
%RSD	.25548	.74069	7.1468	.40124	1.0266	1.9972
#1	.21492	.40729	.48779	.10767	.57462	.10424
#2	.21569	.41158	.53972	.10828	.58302	.10723
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.46400			
Low Limit			.34000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7324.8**	**85296.**	**8756.7**
Stddev	50.0	1205.	38.5
%RSD	.68212	1.4125	.43970
#1	7289.5	86148.	8783.9
#2	7360.1	84444.	8729.5

Sample Name: 280-50385-a-1-f Acquired: 1/2/2014 13:21:05 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206491 6010B TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.08159**	**.00529**	**.01483**	**.10296**	**.00013**	**-.00220**	**39.953**	**.00052**	**.00290**
Stddev	.00016	.00026	.00397	.00060	.00250	.00001	.00039	1.061	.00002	.00003
%RSD	20.700	.31374	75.080	4.0605	2.4328	11.280	17.921	2.6557	4.5584	.91598
#1	-.00068	.08177	.00810	.01525	.10119	.00012	-.00248	39.203	.00050	.00288
#2	-.00091	.08141	.00248	.01440	.10473	.00014	-.00192	40.703	.00054	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00455**	**.04780**	**.42450**	**-.00012**	**1.3273**	**1.7976**	**.00009**	**305.38**	**.00244**
Stddev	.00010	.00034	.00173	.06205	.00017	.0027	.0042	.00019	6.74	.00027
%RSD	31.774	7.5106	3.6187	14.618	142.41	.20154	.23178	214.14	2.2068	11.266
#1	.00039	.00431	.04902	.38062	-.00024	1.3254	1.7947	.00023	300.62	.00263
#2	.00024	.00479	.04658	.46838	.00000	1.3292	1.8006	-.00005	310.15	.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**.00374**	**.05126**	**.00297**	**.00133**	**.22425**	**.47989**	**-.00022**	**.05704**	**.00035**
Stddev	.00164	.00177	.00027	.00176	.00386	.00766	.01638	.00007	.00146	.00190
%RSD	88.335	47.306	.52871	59.209	291.15	3.4140	3.4140	29.145	2.5517	538.71
#1	-.00070	.00499	.05146	.00173	-.00141	.22966	.49147	-.00027	.05601	-.00099
#2	-.00301	.00249	.05107	.00421	.00406	.21883	.46830	-.00018	.05807	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**-.00030**	**.01746**	**.00036**	**.03152**	**-.00061**
Stddev	.00037	.00158	.01098	.00001	.00005	.00024
%RSD	115.02	534.92	62.851	2.2123	.16854	40.380
#1	-.00059	.00082	.00970	.00036	.03155	-.00043
#2	-.00006	-.00141	.02522	.00035	.03148	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7292.8**	**86417.**	**8610.3**
Stddev	9.2	500.	295.5
%RSD	.12658	.57824	3.4324
#1	7299.3	86063.	8819.3
#2	7286.3	86770.	8401.3

Sample Name: 280-50385-a-1-fSD@5 Acquired: 1/2/2014 13:23:33 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206491 6010B TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.01595**	**.00037**	**.00376**	**.02133**	**.00007**	**-.00097**	**7.9192**	**.00002**	**.00024**
Stddev	.00024	.00004	.00124	.00045	.00010	.00011	.00096	.0209	.00004	.00002
%RSD	96.308	.25766	337.14	11.856	.45778	170.34	98.863	.26382	148.38	8.4870
#1	-.00042	.01593	.00125	.00408	.02140	.00015	-.00029	7.9340	.00000	.00026
#2	-.00008	.01598	-.00051	.00345	.02127	-.00001	-.00165	7.9045	.00005	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00046**	**.01523**	**.10828**	**-.00018**	**.28049**	**.36380**	**.00003**	**60.259**	**.00036**
Stddev	.00009	.00029	.00231	.01518	.00084	.00346	.00013	.00006	.358	.00019
%RSD	193.10	63.676	15.195	14.022	470.11	1.2343	.03632	178.63	.59359	50.894
#1	.00011	.00067	.01360	.11901	-.00077	.28294	.36389	.00007	60.006	.00049
#2	-.00002	.00025	.01687	.09754	.00042	.27805	.36370	-.00001	60.512	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00321**	**.00047**	**.01444**	**.00160**	**-.00190**	**.05075**	**.10860**	**-.00019**	**.01112**	**-.00112**
Stddev	.00029	.00123	.00071	.00138	.00204	.00243	.00520	.00006	.00003	.00112
%RSD	8.8895	262.75	4.9144	86.128	107.80	4.7855	4.7855	30.086	.26708	100.24
#1	-.00341	-.00040	.01394	.00258	-.00045	.05247	.11228	-.00023	.01110	-.00191
#2	-.00301	.00134	.01494	.00063	-.00334	.04903	.10493	-.00015	.01114	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00015**	**.06152**	**.00077**	**.01039**	**.00002**
Stddev	.00018	.00006	.00271	.00043	.00008	.00045
%RSD	90.587	38.868	4.3968	54.891	.72817	2600.5
#1	-.00033	-.00011	.06344	.00108	.01034	.00034
#2	-.00007	-.00019	.05961	.00047	.01045	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7591.3**	**89419.**	**8659.1**
Stddev	43.7	566.	35.0
%RSD	.57538	.63301	.40430
#1	7560.4	89820.	8634.4
#2	7622.2	89019.	8683.9

Sample Name: 280-50385-a-1-g ms Acquired: 1/2/2014 13:25:55 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206491 6010B TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .23872	.49280	.90198	.22834	2.6768	.01037	F .43457	48.157	.23126	.10545
Stddev	.00018	.00060	.00838	.00126	.0024	.00006	.00072	.174	.00071	.00067
%RSD	.07583	.12203	.92922	.55331	.08852	.55837	.16468	.36044	.30898	.63817
#1	.23884	.49237	.90791	.22924	2.6784	.01033	.43407	48.279	.23177	.10592
#2	.23859	.49322	.89606	.22745	2.6751	.01042	.43508	48.034	.23076	.10497
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1253	.48100	.24735	11.207	.21700	11.725	1.8127	.21614	295.68	.10177
Stddev	.0012	.00209	.00112	.050	.00151	.012	.0046	.00183	.13	.00058
%RSD	.10992	.43539	.45102	.44529	.69700	.10038	.25207	.84673	.04423	.56907
#1	1.1262	.48248	.24656	11.242	.21593	11.717	1.8095	.21744	295.58	.10218
#2	1.1245	.47952	.24814	11.172	.21807	11.734	1.8159	.21485	295.77	.10136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.2508	1.1211	.04715	.11302	.62620	2.3504	5.0298	.41988	.25715	.20657
Stddev	.0136	.0093	.00071	.00314	.00362	.0194	.0415	.00162	.00061	.00154
%RSD	.60231	.83166	1.5008	2.7819	.57836	.82554	.82554	.38545	.23804	.74381
#1	2.2604	1.1277	.04765	.11524	.62876	2.3366	5.0004	.42103	.25758	.20549
#2	2.2412	1.1145	.04665	.11080	.62364	2.3641	5.0591	.41874	.25672	.20766
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21147	.39582	.48029	.10764	.58432	.10388
Stddev	.00060	.00235	.02948	.00025	.00056	.00072
%RSD	.28138	.59395	6.1386	.23284	.09579	.69325
#1	.21189	.39748	.50113	.10746	.58472	.10337
#2	.21105	.39416	.45944	.10782	.58392	.10439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7519.7	87263.	8773.6
Stddev	28.1	278.	80.7
%RSD	.37357	.31822	.91992
#1	7539.6	87460.	8716.5
#2	7499.9	87067.	8830.6

Sample Name: 280-50385-a-1-h msd Acquired: 1/2/2014 13:28:12 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 206491 6010B TCLP

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .24168	.51031	.92798	.23397	2.6933	.01047	F .44354	48.665	.23724	.10799
Stddev	.00040	.00134	.00651	.00123	.0004	.00009	.00247	.040	.00059	.00022
%RSD	.16691	.26300	.70179	.52616	.01385	.81935	.55740	.08198	.24706	.20703
#1	.24139	.51126	.92337	.23310	2.6936	.01041	.44179	48.636	.23683	.10815
#2	.24196	.50936	.93258	.23484	2.6931	.01053	.44528	48.693	.23766	.10783
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1573	.48754	.24839	11.408	.21957	11.960	1.8443	.22168	298.30	.10415
Stddev	.0029	.00029	.00181	.091	.00171	.045	.0086	.00017	.51	.00030
%RSD	.24737	.06027	.72981	.80067	.77718	.37843	.46570	.07641	.16953	.28727
#1	1.1594	.48775	.24967	11.343	.21836	11.992	1.8503	.22180	297.95	.10436
#2	1.1553	.48734	.24711	11.473	.22077	11.928	1.8382	.22156	298.66	.10394
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.3088	1.1490	.04552	.11631	.64820	2.3612	5.0529	.43034	.26002	.21217
Stddev	.0004	.0020	.00080	.00049	.00247	.0045	.0096	.00096	.00020	.00094
%RSD	.01665	.17350	1.7646	.42503	.38038	.18921	.18921	.22318	.07814	.44495
#1	2.3090	1.1504	.04495	.11666	.64646	2.3580	5.0462	.43102	.25987	.21150
#2	2.3085	1.1476	.04609	.11596	.64994	2.3643	5.0597	.42966	.26016	.21283
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21559	.40512	.46053	.10831	.59675	.10334
Stddev	.00119	.00135	.00507	.00015	.00358	.00113
%RSD	.55270	.33271	1.1015	.13504	.59977	1.0969
#1	.21643	.40416	.46411	.10820	.59928	.10414
#2	.21475	.40607	.45694	.10841	.59422	.10253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7473.2	87159.	8895.2
Stddev	50.8	271.	11.1
%RSD	.67991	.31069	.12478
#1	7437.3	86968.	8887.4
#2	7509.1	87351.	8903.1

Sample Name: 280-50385-a-1-f PDS Acquired: 1/2/2014 13:30:28 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05821**	**1.1595**	**.24243**	**.12932**	**.20537**	**.05296**	**-.00220**	**59.990**	**.05624**	**.05665**
Stddev	.00036	.0071	.00027	.00095	.00016	.00053	.00255	.210	.00049	.00018
%RSD	.61584	.61129	.11204	.73826	.07615	1.0056	115.97	.35012	.87066	.31818
#1	.05846	1.1545	.24262	.12865	.20548	.05259	-.00401	59.842	.05590	.05653
#2	.05796	1.1645	.24224	.13000	.20526	.05334	-.00040	60.139	.05659	.05678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05770**	**.05866**	**1.1014**	**22.508**	**.11211**	**23.045**	**1.8042**	**.05758**	**309.24**	**.05436**
Stddev	.00024	.00074	.0139	.009	.00019	.013	.0045	.00047	.90	.00013
%RSD	.41858	1.2540	1.2620	.03905	.16996	.05541	.24675	.81093	.29011	.23354
#1	.05753	.05814	1.0915	22.501	.11225	23.036	1.8011	.05725	308.61	.05445
#2	.05787	.05918	1.1112	22.514	.11198	23.054	1.8074	.05791	309.88	.05427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3849**	**.10919**	**.04891**	**.11497**	**.21807**	**5.7839**	**12.378**	**.11239**	**.10589**	**.21697**
Stddev	.0100	.00038	.00124	.00065	.00814	.0288	.062	.00120	.00035	.00026
%RSD	.41833	.34719	2.5295	.56176	3.7345	.49771	.49771	1.0685	.32910	.12185
#1	2.3778	.10892	.04979	.11451	.21231	5.7636	12.334	.11154	.10564	.21716
#2	2.3919	.10946	.04804	.11543	.22382	5.8043	12.421	.11324	.10614	.21679
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05597**	**.20721**	**.58685**	**.05527**	**.26366**	**.05410**
Stddev	.00030	.00006	.03775	.00050	.00338	.00184
%RSD	.52935	.02882	6.4333	.90617	1.2801	3.3936
#1	.05576	.20716	.56015	.05492	.26127	.05281
#2	.05618	.20725	.61355	.05562	.26604	.05540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7355.2**	**86188.**	**8870.2**
Stddev	34.7	53.	40.1
%RSD	.47187	.06152	.45249
#1	7379.8	86151.	8841.8
#2	7330.7	86226.	8898.6

Sample Name: CCVH-2444534 Acquired: 1/2/2014 13:32:48 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**52.541**	**.00205**	**.00133**	**.00070**	**.00001**	W **1.0768**	**-.01349**	**-.00026**	**-.00083**	**-.00013**	**-.01144**
Stddev	.00017	.919	.00037	.00026	.00011	.00000	.0042	.00024	.00006	.00016	.00006	.00006
%RSD	15.545	1.7498	17.915	19.585	15.214	16.685	.38602	1.7610	24.737	19.174	47.222	.55741
#1	.00099	53.191	.00179	.00114	.00062	.00001	1.0738	-.01366	-.00021	-.00094	-.00018	-.01149
#2	.00124	51.891	.00230	.00151	.00077	.00001	1.0797	-.01332	-.00030	-.00072	-.00009	-.01140
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**54.609**	**.16593**	**.00093**	**-.09431**	**.00120**	**.00003**	**259.31**	**.00074**	**-.00151**	**.00032**	**5.1347**	**-.01538**
Stddev	1.094	.02533	.00039	.00465	.00005	.00006	3.84	.00004	.00070	.00129	.0019	.00196
%RSD	2.0034	15.266	41.984	4.9348	3.9581	228.63	1.4821	4.7555	46.453	408.65	.03785	12.734
#1	55.382	.18384	.00065	-.09102	.00124	-.00002	262.03	.00072	-.00201	-.00060	5.1333	-.01677
#2	53.835	.14802	.00121	-.09760	.00117	.00007	256.59	.00077	-.00102	.00123	5.1361	-.01400
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**.00363**	**.00777**	**-.00068**	**.00035**	**5.2034**	**-.00466**	**-.00080**	W **10.848**	**-.00200**	**-.00015**	**.00666**
Stddev	.00297	.01272	.02722	.00034	.00001	.0110	.00034	.00011	.101	.00043	.00005	.00123
%RSD	110.14	350.33	350.33	50.040	3.1236	.21052	7.2724	13.684	.93039	21.516	32.928	18.519
#1	-.00060	-.00536	-.01148	-.00044	.00034	5.2112	-.00490	-.00088	10.919	-.00170	-.00012	.00753
#2	-.00480	.01263	.02702	-.00092	.00036	5.1957	-.00442	-.00072	10.776	-.00231	-.00019	.00578
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7670.3**	**88851.**	**8661.6**
Stddev	9.1	13.	136.7
%RSD	.11893	.01468	1.5777
#1	7676.8	88861.	8565.0
#2	7663.9	88842.	8758.2

Sample Name: CCVX-2431894 Acquired: 1/2/2014 13:35:28 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54580**	**.54178**	**1.0797**	**.53987**	F **.57399**	F **.55436**	**-.00335**	F **5.9982**	**.50820**	**.52405**	**.54576**	**.51803**	F **2.7625**
Stddev	.00076	.00125	.0030	.00155	.07070	.06717	.00041	.7487	.00173	.00002	.00005	.00226	.3396
%RSD	.13927	.23044	.27676	.28773	12.318	12.117	12.227	12.482	.34056	.00338	.00890	.43644	12.294
#1	.54527	.54090	1.0776	.53877	.62399	.60186	-.00364	6.5277	.50698	.52406	.54573	.51963	3.0027
#2	.54634	.54267	1.0818	.54097	.52400	.50687	-.00306	5.4688	.50942	.52403	.54580	.51643	2.5224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value					.50000	.50000		5.0000					2.5000
Range					10.490%	10.490%		10.490%					10.490%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **56.015**	F **1.1462**	**21.494**	**.51732**	**.53761**	F **6.0137**	**.50708**	**1.0535**	**1.0313**	**.00191**	**1.0452**	**.98993**	F **5.8719**
Stddev	7.076	.1411	.009	.00072	.00188	.8250	.00131	.0061	.0036	.00173	.0053	.00605	.6815
%RSD	12.632	12.309	.04337	.13827	.34928	13.719	.25790	.57592	.34695	90.658	.50493	.61148	11.606
#1	61.018	1.2459	21.487	.51782	.53628	6.5970	.50615	1.0492	1.0288	.00314	1.0415	.98565	6.3538
#2	51.012	1.0464	21.501	.51681	.53894	5.4303	.50800	1.0577	1.0338	.00069	1.0489	.99421	5.3900
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value	50.000	1.0000				5.0000							5.0000
Range	10.490%	10.490%				10.490%							10.490%

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **12.566**	**1.0744**	F **.56111**	**-.00451**	**.52189**	**1.0610**	**.05708**	**.51191**	**.53433**	F **.56706**
Stddev	1.458	.0032	.06817	.00208	.00047	.0036	.01828	.00080	.00046	.06831
%RSD	11.606	.29901	12.149	46.063	.09095	.34169	32.028	.15651	.08646	12.047
#1	13.597	1.0721	.60931	-.00598	.52223	1.0585	.07000	.51134	.53465	.61536
#2	11.535	1.0767	.51291	-.00304	.52156	1.0636	.04415	.51248	.53400	.51876
Check ?	Chk Fail	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail
Value	10.700		.50000							.50000
Range	10.490%		10.490%							10.490%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7789.3**	**92255.**	**8420.2**
Stddev	16.6	55.	962.4
%RSD	.21353	.05966	11.430
#1	7801.1	92216.	7739.7
#2	7777.6	92294.	9100.7

Sample Name: CCV-2431894 Acquired: 1/2/2014 13:39:27 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .55206	.53766	1.0743	.54131	.52967	.51242	-.00363	W 5.5218	.50724	.51993	.54143	.52588
Stddev	.00006	.00101	.0025	.00079	.00779	.00888	.00209	.0695	.00053	.00050	.00138	.00072
%RSD	.01162	.18698	.23177	.14548	1.4712	1.7326	57.380	1.2583	.10372	.09608	.25428	.13762
#1	.55201	.53838	1.0760	.54075	.53518	.51870	-.00511	5.5709	.50761	.52029	.54241	.52639
#2	.55210	.53695	1.0725	.54187	.52416	.50614	-.00216	5.4727	.50687	.51958	.54046	.52537
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000							5.0000				
Range	10.000%							10.000%				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.5408	51.510	1.0571	21.538	.52124	.53183	5.4011	.50533	1.0571	1.0363	-.00059	1.0555
Stddev	.0511	.780	.0146	.014	.00017	.00008	.0817	.00175	.0010	.0009	.00217	.0021
%RSD	2.0104	1.5142	1.3809	.06540	.03225	.01469	1.5123	.34541	.09804	.08564	367.71	.20133
#1	2.5769	52.062	1.0674	21.529	.52136	.53188	5.4589	.50410	1.0578	1.0369	-.00212	1.0570
#2	2.5047	50.959	1.0467	21.548	.52112	.53177	5.3434	.50657	1.0564	1.0357	.00094	1.0540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0037	5.4260	11.612	1.0755	.51971	-.00414	.52689	1.0574	.03468	.51575	.53561	.52826
Stddev	.0082	.0502	.107	.0021	.00777	.00083	.00000	.0007	.03933	.00048	.00076	.00836
%RSD	.81397	.92483	.92483	.19866	1.4960	20.076	.00075	.06780	113.40	.09348	.14210	1.5835
#1	1.0095	5.4615	11.688	1.0770	.52521	-.00355	.52689	1.0579	.00687	.51609	.53507	.53417
#2	.99791	5.3905	11.536	1.0740	.51421	-.00473	.52688	1.0569	.06249	.51541	.53614	.52235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7906.9	93466.	9170.9
Stddev	23.6	205.	93.6
%RSD	.29835	.21894	1.0207
#1	7890.3	93610.	9104.7
#2	7923.6	93321.	9237.1

Sample Name: CCV-2431894 Acquired: 1/2/2014 13:41:35 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54601**	**.53865**	**1.0719**	**.54054**	**.52296**	**.50540**	**-.00497**	**5.4557**	**.50767**	**.52040**	**.54217**	**.52025**	**2.5134**
Stddev	.00116	.00016	.0034	.00068	.00072	.00162	.00099	.0182	.00003	.00061	.00012	.00157	.0016
%RSD	.21166	.02906	.31276	.12510	.13777	.32113	19.910	.33296	.00495	.11707	.02125	.30097	.06452
#1	.54683	.53876	1.0695	.54101	.52245	.50425	-.00568	5.4429	.50765	.51997	.54225	.51914	2.5122
#2	.54520	.53854	1.0742	.54006	.52347	.50654	-.00427	5.4686	.50768	.52083	.54209	.52136	2.5145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.090**	**1.0438**	**21.373**	**.51688**	**.53552**	**5.3311**	**.50500**	**1.0497**	**1.0369**	**.00184**	**1.0526**	**1.0039**	**5.3799**
Stddev	.099	.0046	.008	.00226	.00093	.0075	.00089	.0013	.0021	.00008	.0016	.0010	.0008
%RSD	.19288	.44317	.03578	.43684	.17368	.14101	.17582	.12047	.20154	4.1966	.15284	.09819	.01408
#1	51.021	1.0406	21.378	.51529	.53487	5.3364	.50437	1.0488	1.0384	.00189	1.0515	1.0046	5.3805
#2	51.160	1.0471	21.367	.51848	.53618	5.3257	.50563	1.0506	1.0354	.00179	1.0537	1.0032	5.3794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.513**	**1.0740**	**.51250**	**-.00412**	**.52211**	**1.0642**	**.05790**	**.51119**	**.53246**	**.52283**
Stddev	.002	.0010	.00043	.00040	.00125	.0016	.02905	.00213	.00036	.00232
%RSD	.01408	.08882	.08437	9.8233	.23953	.15034	50.175	.41670	.06746	.44464
#1	11.514	1.0733	.51220	-.00384	.52122	1.0631	.03736	.50968	.53220	.52448
#2	11.512	1.0747	.51281	-.00441	.52299	1.0654	.07845	.51269	.53271	.52119
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7874.6**	**93574.**	**9147.7**
Stddev	32.4	348.	70.1
%RSD	.41119	.37166	.76666
#1	7897.5	93820.	9098.1
#2	7851.7	93328.	9197.3

Sample Name: CCB Acquired: 1/2/2014 13:44:59 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00206**	**.00223**	**.00304**	**.00042**	**.00004**	**-.00334**	**-.00467**	**-.00003**	**-.00019**	**-.00004**	**-.00049**	**.00251**
Stddev	.00021	.00009	.00020	.00091	.00051	.00003	.00054	.00195	.00018	.00002	.00000	.00009	.00231
%RSD	864.96	4.2041	8.8118	30.081	121.66	81.898	16.125	41.765	524.61	9.9159	5.4770	18.460	92.056
#1	-.00012	-.00200	.00209	.00369	.00078	.00002	-.00372	-.00605	-.00016	-.00021	-.00004	-.00056	.00414
#2	.00017	-.00213	.00237	.00239	.00006	.00006	-.00296	-.00329	.00009	-.00018	-.00004	-.00043	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01591**	**-.00126**	**.00157**	**.00001**	**.00021**	**.06783**	**-.00042**	**-.00427**	**-.00105**	**.00079**	**.00283**	**-.00314**	**.00719**
Stddev	.00191	.00082	.00033	.00003	.00026	.00243	.00011	.00056	.00009	.00146	.00173	.00158	.00853
%RSD	11.975	64.885	20.841	277.54	124.97	3.5871	25.423	13.067	8.2034	186.06	61.211	50.279	118.52
#1	.01456	-.00068	.00134	.00003	.00002	.06611	-.00034	-.00466	-.00099	.00182	.00405	-.00202	.01322
#2	.01726	-.00184	.00180	-.00001	.00040	.06955	-.00049	-.00387	-.00111	-.00025	.00160	-.00426	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01540**	**-.00015**	**.00004**	**.00067**	**-.00022**	**-.00029**	**.04497**	**.00041**	**.00235**	**-.00044**
Stddev	.01825	.00004	.00003	.00036	.00017	.00036	.01717	.00055	.00020	.00194
%RSD	118.52	23.776	73.320	53.680	77.453	121.92	38.180	133.93	8.6934	441.04
#1	.02830	-.00017	.00002	.00042	-.00035	-.00055	.03283	.00002	.00220	.00093
#2	.00249	-.00012	.00007	.00092	-.00010	-.00004	.05712	.00080	.00249	-.00181
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7940.8**	**94435.**	**8923.2**
Stddev	33.5	11.	74.4
%RSD	.42226	.01213	.83333
#1	7917.1	94443.	8975.8
#2	7964.5	94427.	8870.6

Sample Name: ran ccb again... Acquired: 1/2/2014 13:47:17 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: position was wrong

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00097**	F **-.00295**	F **.00430**	F **.00012**	F **.00010**	F **.00004**	F **.00238**	F **-.00698**	F **-.00007**	F **-.00008**	F **.00008**	F **-.00261**
Stddev	.00002	.00000	.00149	.00007	.00034	.00001	.00023	.00048	.00000	.00023	.00002	.00007
%RSD	2.5818	.04281	34.730	59.911	357.58	37.880	9.8157	6.8795	1.4857	289.40	19.159	2.6908
#1	-.00098	-.00295	.00535	.00007	-.00015	.00003	.00222	-.00732	-.00007	.00008	.00009	-.00256
#2	-.00095	-.00295	.00324	.00017	.00034	.00005	.00255	-.00664	-.00007	-.00024	.00007	-.00266
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail
Value	.01000	.10000	.01500	.10000	.01000	.00100	.10000	.20000	.00500	.01000	.01000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00042**	F **-.05410**	F **-.00051**	F **.00005**	F **-.00001**	F **.00014**	F **-.00753**	F **.00009**	F **-.00414**	F **-.00051**	**.00216**	F **-.00041**
Stddev	.00106	.05476	.00002	.00131	.00001	.00003	.01004	.00013	.00009	.00037	.00061	.00138
%RSD	254.16	101.21	3.9397	2413.0	77.591	21.005	133.20	146.62	2.2462	72.262	28.141	336.98
#1	.00033	-.01538	-.00052	-.00087	-.00002	.00012	-.00044	.00018	-.00420	-.00077	.00259	.00057
#2	-.00117	-.09282	-.00049	.00098	-.00001	.00016	-.01463	.00000	-.00407	-.00025	.00173	-.00138
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	None	Chk Fail
Value	.10000	3.0000	.01000	.20000	.01000	.02000	1.0000	.04000	3.0000	.00900		.01000
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%		-30.000%

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00222**	F **-.00057**	F **-.00122**	F **-.00027**	F **.00002**	F **.00345**	F **-.00007**	F **.00098**	**.04952**	F **.00046**	F **.00042**	F **-.00057**
Stddev	.00171	.00211	.00451	.00059	.00001	.00052	.00029	.00029	.02013	.00028	.00001	.00070
%RSD	77.107	370.18	370.18	213.88	95.764	15.111	438.31	29.686	40.644	61.969	1.6219	122.14
#1	-.00101	-.00206	-.00440	-.00069	.00003	.00308	.00014	.00077	.03529	.00026	.00042	-.00008
#2	-.00343	.00092	.00197	.00014	.00001	.00382	-.00027	.00118	.06375	.00066	.00043	-.00107
Check ?	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Fail	Chk Fail
Value	.01500	.50000	1.0700	.10000	.01000	.01500	.01000	.01500		.01000	.02000	.01500
Range	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%	-30.000%		-30.000%	-30.000%	-30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**11878.**	**128230.**	**11232.**
Stddev	136.	810.	138.
%RSD	1.1460	.63165	1.2299
#1	11782.	128800.	11329.
#2	11974.	127660.	11134.

Sample Name: mb 280-207159/1-a Acquired: 1/2/2014 13:49:34 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 207159 DOD 4.1 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**-.00105**	**.00010**	**.00130**	**.00018**	**.00003**	**-.00213**	**-.00071**	**.00011**	**-.00035**
Stddev	.00047	.00007	.00016	.00028	.00008	.00007	.00150	.00299	.00006	.00008
%RSD	103.24	6.9429	167.19	21.787	45.305	223.17	70.755	420.89	58.334	22.949
#1	-.00079	-.00100	.00021	.00150	.00024	-.00002	-.00106	-.00282	.00015	-.00040
#2	-.00012	-.00110	-.00002	.00110	.00012	.00008	-.00319	.00140	.00006	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00058**	**.00113**	**.00292**	**-.00072**	**.00038**	**.00004**	**.00016**	**.04328**	**-.00080**
Stddev	.00004	.00007	.00109	.03127	.00002	.00179	.00007	.00010	.00725	.00015
%RSD	36.971	11.495	96.624	1071.9	2.3914	464.24	181.85	58.485	16.762	18.809
#1	.00013	-.00054	.00036	-.01919	-.00071	-.00088	-.00001	.00010	.04841	-.00090
#2	.00008	-.00063	.00190	.02503	-.00074	.00165	.00008	.00023	.03815	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00266**	**-.00034**	**.00342**	**.00160**	**.00001**	**.01971**	**.04218**	**-.00076**	**-.00003**	**.00024**
Stddev	.00176	.00055	.00145	.00032	.00329	.00704	.01507	.00011	.00000	.00022
%RSD	65.950	161.60	42.552	19.746	48391.	35.733	35.733	14.853	7.5102	90.311
#1	-.00391	.00005	.00239	.00137	-.00232	.01473	.03152	-.00084	-.00003	.00009
#2	-.00142	-.00073	.00444	.00182	.00233	.02469	.05284	-.00068	-.00003	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.00151**	**.04898**	**.00033**	**.00433**	**.00065**
Stddev	.00002	.00028	.00918	.00012	.00010	.00008
%RSD	5.1875	18.876	18.741	35.974	2.2045	12.819
#1	-.00032	-.00171	.05547	.00041	.00426	.00071
#2	-.00034	-.00131	.04249	.00024	.00440	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8118.6**	**98668.**	**9385.1**
Stddev	11.6	536.	73.3
%RSD	.14293	.54290	.78140
#1	8126.8	98289.	9333.2
#2	8110.4	99047.	9436.9

Sample Name: lcs 280-207159/2-a Acquired: 1/2/2014 13:51:54 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 207159 DOD 4.1 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05689**	**2.0463**	F **1.1120**	F **1.1073**	**2.1425**	**.05118**	**2.2131**	**54.049**	**.10609**	**.51439**
Stddev	.00016	.0059	.0016	.0022	.0038	.00003	.0015	.005	.00009	.00096
%RSD	.28396	.28980	.14652	.19390	.17795	.06543	.06585	.00893	.08658	.18604
#1	.05700	2.0505	1.1108	1.1058	2.1452	.05120	2.2120	54.045	.10603	.51371
#2	.05677	2.0421	1.1131	1.1088	2.1398	.05115	2.2141	54.052	.10616	.51506
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			1.1050	1.1050						
Low Limit			.87500	.86000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22025**	**.26071**	**.99573**	**52.617**	**1.0657**	**54.053**	**.51763**	**1.0830**	**52.720**	**.49828**
Stddev	.00017	.00076	.00326	.047	.0016	.147	.00089	.0008	.216	.00055
%RSD	.07871	.29213	.32779	.08943	.14604	.27156	.17265	.07405	.41026	.11003
#1	.22013	.26125	.99804	52.584	1.0646	53.949	.51700	1.0824	52.873	.49867
#2	.22037	.26017	.99342	52.651	1.0668	54.157	.51826	1.0835	52.567	.49789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.961**	**.51392**	**-.00128**	W **.54794**	**2.0853**	**10.850**	**23.220**	**2.1463**	**1.0491**	**1.0354**
Stddev	.004	.00144	.00152	.00232	.0071	.006	.014	.0089	.0020	.0038
%RSD	.03610	.28050	118.71	.42272	.34098	.05812	.05812	.41722	.18791	.36454
#1	10.958	.51494	-.00235	.54630	2.0803	10.855	23.229	2.1400	1.0477	1.0328
#2	10.964	.51290	-.00021	.54958	2.0903	10.846	23.210	2.1526	1.0505	1.0381
Check ?	Chk Pass	Chk Pass	None	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				.54000						
Low Limit				.44000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0566**	**2.0944**	**2.2998**	**.52065**	**.53028**	**.52869**
Stddev	.0035	.0074	.0113	.00076	.00214	.00237
%RSD	.32867	.35214	.49094	.14535	.40372	.44796
#1	1.0541	2.0892	2.2918	.52118	.52877	.53037
#2	1.0590	2.0996	2.3077	.52011	.53180	.52702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7768.8**	**92484.**	**9357.8**
Stddev	16.9	71.	28.7
%RSD	.21741	.07725	.30695
#1	7780.7	92534.	9378.1
#2	7756.8	92433.	9337.5

Sample Name: lcsd 280-207159/3-a Acquired: 1/2/2014 13:54:01 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 207159 DOD 4.1 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05748**	**2.0524**	**1.1158**	**1.1136**	**2.1574**	**.05146**	F **2.2210**	**54.153**	**.10622**	**.51494**
Stddev	.00089	.0003	.0068	.0010	.0013	.00036	.0031	.070	.00017	.00029
%RSD	1.5497	.01440	.60782	.08556	.05983	.69110	.13796	.13015	.15602	.05620
#1	.05811	2.0521	1.1110	1.1129	2.1583	.05171	2.2188	54.203	.10611	.51474
#2	.05685	2.0526	1.1206	1.1142	2.1565	.05121	2.2232	54.103	.10634	.51515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22060**	**.26505**	**1.0087**	**52.763**	**1.0692**	**54.231**	**.51838**	**1.0833**	**53.040**	**.49966**
Stddev	.00056	.00090	.0050	.069	.0004	.018	.00034	.0031	.274	.00140
%RSD	.25248	.33941	.49659	.13084	.03612	.03286	.06501	.28898	.51602	.28062
#1	.22021	.26569	1.0122	52.812	1.0689	54.244	.51814	1.0811	52.847	.49867
#2	.22100	.26442	1.0051	52.714	1.0695	54.219	.51862	1.0855	53.234	.50066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.979**	**.51363**	**-.00035**	**.55070**	**2.1010**	**10.922**	**23.374**	W **2.1546**	**1.0519**	**1.0468**
Stddev	.008	.00101	.00235	.00347	.0010	.011	.024	.0026	.0013	.0075
%RSD	.06860	.19722	666.91	.62954	.04936	.10441	.10441	.12162	.12717	.72017
#1	10.974	.51292	-.00202	.55315	2.1018	10.914	23.357	2.1527	1.0528	1.0521
#2	10.985	.51435	.00131	.54824	2.1003	10.930	23.391	2.1564	1.0509	1.0415
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0642**	**2.1070**	**2.2906**	**.52227**	**.52997**	**.52924**
Stddev	.0014	.0042	.0234	.00018	.00182	.00135
%RSD	.13480	.20031	1.0211	.03435	.34276	.25484
#1	1.0652	2.1040	2.3071	.52215	.52869	.53019
#2	1.0631	2.1100	2.2740	.52240	.53126	.52828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7774.8**	**92377.**	**9373.9**
Stddev	6.7	218.	44.5
%RSD	.08595	.23592	.47516
#1	7779.6	92531.	9405.4
#2	7770.1	92223.	9342.4

Sample Name: 280-50154-b-5-i Acquired: 1/2/2014 13:56:39 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 207159 DOD 4.1 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00005**	**-.00022**	**.00337**	**.00051**	**-.00002**	**-.00209**	**.01673**	**.00007**	**-.00013**
Stddev	.00044	.00002	.00177	.00011	.00020	.00000	.00017	.00007	.00003	.00017
%RSD	106.29	36.315	805.39	3.2269	39.449	3.7048	8.0840	.43506	47.038	132.86
#1	-.00010	-.00006	.00103	.00330	.00066	-.00002	-.00197	.01678	.00004	-.00001
#2	-.00072	-.00004	-.00147	.00345	.00037	-.00002	-.00221	.01668	.00009	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00049**	**.00295**	**.07323**	**-.00069**	**.00248**	**.00032**	**.00053**	**.10086**	**-.00073**
Stddev	.00008	.00022	.00070	.04675	.00011	.00040	.00002	.00008	.00374	.00007
%RSD	47.537	45.227	23.837	63.844	15.254	15.990	6.2926	15.844	3.7106	9.2007
#1	.00012	-.00033	.00345	.04017	-.00062	.00220	.00033	.00058	.10350	-.00068
#2	.00023	-.00064	.00245	.10628	-.00077	.00276	.00030	.00047	.09821	-.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00350**	**-.00020**	**.00592**	**.00215**	**.00000**	**.03159**	**.06761**	**-.00044**	**.00000**	**-.00016**
Stddev	.00032	.00062	.00284	.00157	.00186	.01576	.03372	.00052	.00001	.00074
%RSD	9.1750	314.08	47.967	72.808	67127.	49.871	49.871	119.29	335.55	472.50
#1	-.00328	.00024	.00792	.00105	.00132	.04273	.09145	-.00007	.00001	-.00068
#2	-.00373	-.00064	.00391	.00326	-.00131	.02045	.04376	-.00081	-.00001	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00147**	**.03062**	**.00011**	**.00459**	**-.00047**
Stddev	.00027	.00008	.02256	.00018	.00006	.00087
%RSD	107.74	5.2105	73.655	159.88	1.3084	183.61
#1	-.00044	-.00152	.04657	.00024	.00463	.00014
#2	-.00006	-.00141	.01467	-.00001	.00455	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8051.5**	**97547.**	**9362.7**
Stddev	3.2	613.	72.1
%RSD	.03996	.62827	.77010
#1	8049.3	97114.	9311.7
#2	8053.8	97980.	9413.7

Sample Name: 280-50154-b-5-iSD@5 Acquired: 1/2/2014 13:58:59 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 207159 DOD 4.1 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00002**	**.00071**	**.00230**	**.00011**	**.00002**	**-.00199**	**.01286**	**-.00003**	**-.00012**
Stddev	.00005	.00001	.00103	.00037	.00024	.00004	.00071	.00232	.00024	.00018
%RSD	34.836	47.955	144.81	16.116	225.10	209.10	35.681	18.068	840.10	153.33
#1	.00010	.00003	-.00002	.00204	.00028	-.00001	-.00149	.01450	-.00020	.00001
#2	.00017	.00001	.00143	.00257	-.00006	.00005	-.00250	.01122	.00014	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00043**	**.00643**	**.04449**	**-.00049**	**.00065**	**.00013**	**.00011**	**.07063**	**-.00056**
Stddev	.00004	.00025	.00048	.01748	.00131	.00084	.00000	.00003	.00527	.00013
%RSD	115.06	58.370	7.5210	39.293	268.84	127.79	1.5270	30.066	7.4557	23.655
#1	.00006	-.00061	.00677	.03213	.00044	.00124	.00013	.00009	.07435	-.00047
#2	.00001	-.00025	.00609	.05685	-.00142	.00006	.00013	.00014	.06690	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00332**	**-.00048**	**.00405**	**.00032**	**-.00210**	**.01610**	**.03445**	**.00000**	**-.00001**	**.00024**
Stddev	.00005	.00039	.00083	.00184	.00397	.01410	.03018	.0009	.00005	.00047
%RSD	1.4424	81.484	20.603	569.03	189.33	87.602	87.602	51695.	473.62	194.89
#1	-.00335	-.00020	.00346	-.00098	-.00490	.02607	.05578	-.00065	-.00005	-.00009
#2	-.00328	-.00075	.00464	.00163	.00071	.00613	.01311	.00065	.00003	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00036**	**.06309**	**.00022**	**.00493**	**-.00042**
Stddev	.00003	.00072	.04086	.00019	.00002	.00229
%RSD	10.679	199.28	64.760	88.513	.31509	546.66
#1	-.00030	-.00087	.03420	.00035	.00492	.00120
#2	-.00026	.00015	.09198	.00008	.00494	-.00204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7968.8**	**96230.**	**9376.2**
Stddev	4.9	719.	74.9
%RSD	.06133	.74691	.79869
#1	7972.3	96738.	9323.3
#2	7965.4	95721.	9429.2

Sample Name: 280-50154-b-5-iB PDS Acquired: 1/2/2014 14:01:19 Type: Unk
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment: 207159 DOD 4.1 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05108**	**1.0826**	**.22485**	**.11176**	**.10735**	**.05176**	**-.00276**	**21.878**	**.05367**	**.05317**
Stddev	.00045	.0008	.00336	.00022	.00059	.00032	.00036	.014	.00010	.00026
%RSD	.88739	.07374	1.4944	.19761	.54834	.62387	12.865	.06303	.18639	.48789
#1	.05140	1.0832	.22247	.11160	.10694	.05199	-.00251	21.888	.05374	.05299
#2	.05076	1.0821	.22722	.11192	.10777	.05153	-.00301	21.869	.05360	.05336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05670**	**.05362**	**1.0285**	**20.912**	**.10824**	**21.579**	**.05200**	**.05443**	**21.487**	**.05102**
Stddev	.00007	.00034	.0004	.079	.00071	.025	.00006	.00050	.147	.00036
%RSD	.12011	.62658	.03424	.37752	.66014	.11562	.12036	.91486	.68382	.71240
#1	.05675	.05386	1.0283	20.856	.10773	21.596	.05196	.05408	21.591	.05076
#2	.05665	.05339	1.0288	20.967	.10874	21.561	.05204	.05478	21.383	.05128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2247**	**.10825**	**.01000**	**.10790**	**.20466**	**5.3793**	**11.512**	**.10918**	**.05426**	**.20764**
Stddev	.0008	.00064	.00092	.00114	.00286	.0295	.063	.00008	.00035	.00144
%RSD	.03705	.59022	9.2046	1.0560	1.3979	.54759	.54759	.07414	.63921	.69185
#1	2.2242	.10870	.01065	.10871	.20668	5.4001	11.556	.10912	.05451	.20866
#2	2.2253	.10779	.00935	.10710	.20264	5.3584	11.467	.10924	.05402	.20663
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05165**	**.22058**	**.61273**	**.05229**	**.21981**	**.05211**
Stddev	.00025	.00004	.00317	.00069	.00067	.00010
%RSD	.47479	.01754	.51790	1.3118	.30489	.19938
#1	.05182	.22061	.61048	.05181	.21934	.05204
#2	.05148	.22055	.61497	.05278	.22029	.05219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7857.8**	**94006.**	**9244.0**
Stddev	4.2	866.	44.8
%RSD	.05320	.92075	.48458
#1	7854.8	94618.	9275.7
#2	7860.8	93394.	9212.4

Sample Name: CCVH-2444534 Acquired: 1/2/2014 14:03:33 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**51.453**	**.00310**	**.00211**	**.00070**	**.00000**	W **1.0849**	**-.01901**	**-.00022**	**-.00086**	**-.00019**	**-.01141**
Stddev	.00020	.265	.00164	.00020	.00007	.0000	.0072	.00117	.00009	.00002	.00005	.00021
%RSD	11.324	.51497	52.991	9.5283	9.4716	206.21	.66464	6.1562	38.891	2.1998	27.547	1.8185
#1	.00190	51.265	.00194	.00226	.00075	.00000	1.0900	-.01818	-.00016	-.00087	-.00015	-.01156
#2	.00161	51.640	.00427	.00197	.00065	-.00001	1.0798	-.01984	-.00028	-.00085	-.00022	-.01127
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.942**	**.06701**	**.00203**	**-.09176**	**.00100**	**-.00004**	**256.80**	**.00094**	**-.00067**	**-.00090**	**5.1531**	**-.01701**
Stddev	.723	.00230	.00046	.00089	.00008	.00001	.12	.00036	.00131	.00052	.0279	.00020
%RSD	1.3396	3.4383	22.773	.96624	7.8736	14.452	.04766	37.887	196.28	57.428	.54201	1.1987
#1	53.431	.06538	.00236	-.09239	.00106	-.00005	256.88	.00069	.00026	-.00053	5.1729	-.01715
#2	54.453	.06864	.00170	-.09114	.00095	-.00004	256.71	.00119	-.00159	-.00127	5.1334	-.01687
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00447**	**-.00022**	**-.00048**	**-.00025**	**.00033**	**5.1787**	**-.00447**	**-.00132**	W **10.905**	**-.00198**	**-.00004**	**.00502**
Stddev	.00358	.00310	.00663	.00070	.00002	.0229	.00010	.00134	.006	.00033	.00039	.00260
%RSD	80.105	1395.3	1395.3	277.20	5.2814	.44284	2.3112	101.33	.05372	16.521	993.66	51.788
#1	-.00701	.00197	.00421	-.00075	.00032	5.1949	-.00454	-.00037	10.909	-.00175	.00023	.00318
#2	-.00194	-.00241	-.00516	.00024	.00034	5.1625	-.00439	-.00227	10.901	-.00222	-.00031	.00686
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Warn	None	None	None
Value									10.000			
Range									5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7789.3**	**91073.**	**9217.1**
Stddev	9.6	41.	43.8
%RSD	.12297	.04486	.47549
#1	7796.0	91101.	9248.1
#2	7782.5	91044.	9186.1

Sample Name: CCV-2431894 Acquired: 1/2/2014 14:05:58 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54778**	**.53521**	**1.0688**	**.53641**	**.51668**	**.50041**	**-.00221**	**5.3644**	**.50417**	**.51742**	**.53833**	**.52167**	**2.4863**
Stddev	.00348	.00155	.0036	.00371	.00077	.00021	.00288	.0113	.00048	.00036	.00198	.00242	.0068
%RSD	.63582	.28944	.33624	.69222	.14990	.04123	129.86	.20991	.09610	.07034	.36811	.46307	.27249
#1	.54531	.53630	1.0713	.53378	.51613	.50026	-.00425	5.3565	.50451	.51767	.53973	.51996	2.4815
#2	.55024	.53411	1.0662	.53904	.51722	.50055	-.00018	5.3724	.50383	.51716	.53693	.52338	2.4911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.555**	**1.0367**	**21.326**	**.51485**	**.53397**	**5.2924**	**.50051**	**1.0451**	**1.0244**	**.00018**	**1.0569**	**1.0030**	**5.3064**
Stddev	.141	.0023	.007	.00189	.00433	.0171	.00127	.0056	.0052	.00016	.0046	.0029	.0250
%RSD	.27928	.22207	.03172	.36624	.81123	.32286	.25278	.53476	.50297	88.214	.43741	.28434	.47096
#1	50.655	1.0351	21.331	.51618	.53703	5.3045	.49962	1.0490	1.0280	.00029	1.0602	1.0051	5.2888
#2	50.455	1.0383	21.322	.51351	.53090	5.2803	.50140	1.0411	1.0207	.00007	1.0536	1.0010	5.3241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.356**	**1.0741**	**.50726**	**-.00338**	**.52122**	**1.0693**	**.04504**	**.50900**	**.52924**	**.51485**
Stddev	.053	.0053	.00050	.00018	.00011	.0042	.03716	.00154	.00334	.00107
%RSD	.47096	.49092	.09897	5.2762	.02081	.39332	82.495	.30198	.63110	.20710
#1	11.318	1.0778	.50761	-.00351	.52114	1.0722	.01877	.51008	.53160	.51409
#2	11.394	1.0704	.50690	-.00326	.52130	1.0663	.07132	.50791	.52688	.51560
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.6**	**93847.**	**9254.5**
Stddev	11.0	195.	39.1
%RSD	.13894	.20733	.42259
#1	7923.8	93710.	9282.1
#2	7939.4	93985.	9226.8

Sample Name: CCB Acquired: 1/2/2014 14:08:05 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00190**	**-.00189**	**.00200**	**.00031**	**.00005**	**-.00204**	**-.00179**	**.00015**	**-.00015**	**-.00001**	**-.00026**	**.00134**
Stddev	.00017	.00019	.00185	.00030	.00011	.00001	.00039	.00055	.00004	.00014	.00003	.00014	.00087
%RSD	258.91	10.140	97.575	14.992	36.933	26.255	18.924	30.542	23.187	90.613	271.53	54.648	64.789
#1	.00018	-.00176	-.00059	.00179	.00039	.00004	-.00177	-.00218	.00013	-.00025	-.00004	-.00036	.00195
#2	-.00005	-.00203	-.00320	.00221	.00023	.00005	-.00232	-.00140	.00018	-.00006	.00001	-.00016	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06671**	**.00011**	**.00138**	**.00004**	**.00027**	**.05588**	**-.00088**	**-.00358**	**-.00126**	**.00036**	**.00067**	**-.00251**	**.02305**
Stddev	.01107	.00089	.00250	.00003	.00002	.00484	.00014	.00112	.00032	.00219	.00206	.00458	.00749
%RSD	16.589	782.98	181.13	67.105	7.0648	8.6570	15.966	31.355	25.226	615.93	306.19	182.49	32.484
#1	.05889	-.00051	.00315	.00002	.00029	.05246	-.00098	-.00437	-.00104	.00191	.00213	.00073	.02834
#2	.07454	.00074	-.00039	.00006	.00026	.05930	-.00078	-.00278	-.00149	-.00120	-.00078	-.00575	.01775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04932**	**-.00024**	**-.00005**	**.00047**	**.00000**	**-.00175**	**.02740**	**.00063**	**.00283**	**-.00179**
Stddev	.01602	.00017	.00005	.00002	.0001	.00010	.00113	.00002	.00015	.00075
%RSD	32.484	72.186	108.90	4.7958	3181.8	5.7585	4.1326	3.6399	5.2884	42.020
#1	.06065	-.00036	-.00008	.00046	-.00010	-.00168	.02821	.00065	.00273	-.00126
#2	.03799	-.00012	-.00001	.00049	.00009	-.00182	.02660	.00062	.00294	-.00232
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8056.1**	**96689.**	**9215.0**
Stddev	.0	179.	27.4
%RSD	.00013	.18559	.29698
#1	8056.1	96562.	9234.3
#2	8056.2	96816.	9195.6

Sample Name: CCVL-2445883 Acquired: 1/2/2014 14:10:24 Type: QC
Method: 6500_025(v8) Mode: CONC Corr. Factor: 1.000000
User: ltrudell Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01155**	**.11425**	**.01719**	**.11295**	**.01102**	**.00102**	**.12065**	**.22395**	**.00552**	**.01101**	**.01136**	**.01564**	**.10552**
Stddev	.00010	.00055	.00099	.00010	.00013	.00005	.00006	.00636	.00012	.00017	.00020	.00043	.00059
%RSD	.90663	.48086	5.7488	.08917	1.1942	4.7684	.04940	2.8395	2.2156	1.5739	1.7719	2.7254	.56143
#1	.01147	.11386	.01649	.11302	.01092	.00099	.12069	.21945	.00543	.01113	.01122	.01534	.10510
#2	.01162	.11464	.01788	.11288	.01111	.00106	.12060	.22845	.00560	.01089	.01150	.01594	.10593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1826**	**.01055**	**.22785**	**.01074**	**.02153**	**1.1635**	**.04294**	**3.2059**	**.00955**	**-.00056**	**.01232**	**.01559**	**.54860**
Stddev	.0306	.00231	.00390	.00007	.00005	.0032	.00015	.0117	.00004	.00005	.00051	.00038	.00084
%RSD	.96047	21.894	1.7129	.64714	.21305	.27359	.35165	.36537	.44058	9.1705	4.1017	2.4529	.15325
#1	3.1610	.00892	.22509	.01069	.02157	1.1613	.04284	3.1976	.00958	-.00060	.01197	.01586	.54920
#2	3.2042	.01219	.23061	.01079	.02150	1.1658	.04305	3.2141	.00952	-.00053	.01268	.01532	.54801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1740**	**.11142**	**.01051**	**.01480**	**.01023**	**.01709**	F **.11025**	**.01039**	**.02470**	**.01491**
Stddev	.0018	.00016	.00005	.00042	.00003	.00026	.00492	.00020	.00047	.00017
%RSD	.15325	.13936	.45904	2.8390	.29134	1.5187	4.4613	1.9249	1.8956	1.1378
#1	1.1753	.11131	.01054	.01510	.01025	.01727	.10677	.01053	.02437	.01503
#2	1.1727	.11153	.01048	.01450	.01020	.01691	.11373	.01025	.02503	.01479
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8178.9**	**97730.**	**9233.5**
Stddev	19.5	242.	66.5
%RSD	.23845	.24718	.71974
#1	8192.7	97901.	9186.5
#2	8165.1	97559.	9280.5

Method(s):

245.1 245.1_DW

(7470A) 7471A 7471B

Applicable QC Batches: 207048

Mercury Analysis Raw Data Checklist

Analyst's Checklist

		yes	no	n/a
1.	Were the special instructions for prep and/or analysis followed?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is the blank less than one-half the reporting limit or properly anomalized?	☑	☐	☐
4.	Are the LCSs within limits or properly anomalized?	☑	☐	☐
5.	Are the ICV and all CCVs within limits?	☑	☐	☐
6.	Are the ICB and all CCBs within ± one-half the reporting limit from zero?	☑	☐	☐
7.	Were the CCVs and CCBs run with at most 10 samples between each set?	☑	☐	☐
8.	Are the reporting limits correct and reflect any dilutions?	☑	☐	☐
9.	Are the benchsheets complete (including calibration and standard verification #'s)?	☑	☐	☐
10.	Are all comments, footnotes, and anomalies properly documented?	☑	☐	☐
11.	Are holding time violation forms completed and attached?	☑	☐	☐
12.	Have all sample data been entered into LIMS?	☑	☐	☐
13.	Have all QC data been entered into LIMS?	☑	☐	☐
14.	Have the data entered into LIMS been checked for errors?	☑	☐	☐
15.	For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☑	☐	☐
16.	Are all passing CRAs set to acceptable?	☑	☐	☐
17.	Is the PDF attached?	☑	☐	☐

Analyst's Name: Chris Rhoades Date: 12/31/13

Data Review's Checklist

		yes	no	n/a
1.	Have the calculations been checked?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4.	Are all the significant figures and reporting limits correct?	☑	☐	☐
5.	Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6.	Have any data errors been documented and entered into LIMS?	☑	☐	☐
7.	Is prep date correct in LIMS?	☑	☐	☐
8.	If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☑	☐	☐

Reviewed by: [signature] Date: 1/3/14

Comments:

Anomalies:

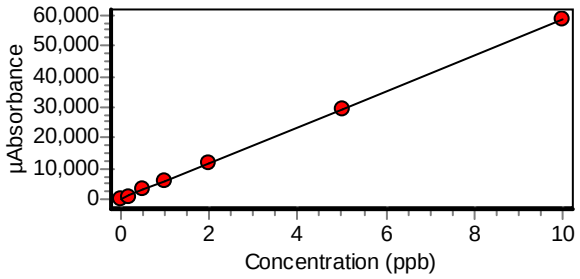
Report Generated By CETAC QuickTrace
Analyst: MooneyJ
Worksheet file: C:\Program Files\QuickTrace\Worksheets\2013\12-DEC\131230aa.wsz
Date Started: 12/30/2013 11:02:32 AM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	12/30/13 01:01:06 pm	0.000	59	1.71		1.00	1.00	1.00
Std1	STD	12/30/13 01:03:24 pm	0.200	612	0.41		1.00	1.00	1.00
Std2	STD	12/30/13 01:05:42 pm	0.500	2855	0.15		1.00	1.00	1.00
Std3	STD	12/30/13 01:08:01 pm	1.000	5978	0.17		1.00	1.00	1.00
Std4	STD	12/30/13 01:10:20 pm	2.000	11608	0.21		1.00	1.00	1.00
Std5	STD	12/30/13 01:12:40 pm	5.000	29524	0.14		1.00	1.00	1.00
Std6	STD	12/30/13 01:15:00 pm	10.000	58668	0.33		1.00	1.00	1.00

Calibration

Equation: A = -116.007 + 5888.472C
R2: 0.99988
SEE: 256.1424
Flags: C



ICV 2444422	ICV	12/30/13 01:17:39 pm	3.871	22677	0.13		1.00	1.00	1.00
% Recovery 96.77									
ICB	ICB	12/30/13 01:19:56 pm	0.018	-10	18.01		1.00	1.00	1.00
CRA 2444424	CRDL	12/30/13 01:22:14 pm	0.119	584	0.17		1.00	1.00	1.00
% Recovery 59.46									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 2444423	CCV	12/30/13 01:24:34 pm	5.050	29622	0.37		1.00	1.00
% Recovery 101.01							1.00	
CCB	CCB	12/30/13 01:26:51 pm	0.016	-22	10.39		1.00	1.00
							1.00	
MB 280-205419/1-A	UNK	12/30/13 01:29:08 pm	0.021	7	26.89		1.00	1.00
							1.00	
LCS 280-205419/2-A	UNK	12/30/13 01:31:25 pm	4.808	28196	0.21		1.00	1.00
							1.00	
280-50163-A-3-G	UNK	12/30/13 01:33:43 pm	0.021	6	37.41		1.00	1.00
							1.00	
280-50163-A-3-H MS	UNK	12/30/13 01:36:01 pm	4.501	26390	0.14		1.00	1.00
							1.00	
280-50163-A-3-I MSD	UNK	12/30/13 01:38:19 pm	4.574	26820	0.30		1.00	1.00
							1.00	
280-50163-A-8-C	UNK	12/30/13 01:40:38 pm	0.016	-19	13.52		1.00	1.00
							1.00	
280-50163-A-13-C	UNK	12/30/13 01:42:56 pm	0.026	38	4.17		1.00	1.00
							1.00	
280-50163-A-20-C	UNK	12/30/13 01:45:15 pm	0.022	16	17.75		1.00	1.00
							1.00	
280-50163-A-25-C	UNK	12/30/13 01:47:35 pm	0.029	57	1.98		1.00	1.00
							1.00	
280-50163-A-30-C	UNK	12/30/13 01:49:54 pm	0.033	81	2.61		1.00	1.00
							1.00	
CCV 2444423	CCV	12/30/13 01:52:14 pm	5.022	29458	0.16		1.00	1.00
% Recovery 100.45							1.00	
CCB	CCB	12/30/13 01:54:31 pm	0.021	5	25.83		1.00	1.00
							1.00	
280-50163-A-35-C	UNK	12/30/13 01:56:51 pm	0.021	5	11.45		1.00	1.00
							1.00	
280-50163-A-40-C	UNK	12/30/13 01:59:11 pm	0.022	11	14.87		1.00	1.00
							1.00	
280-50228-A-2-C	UNK	12/30/13 02:01:28 pm	0.015	-25	5.33		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
280-50228-A-7-C	UNK	12/30/13 02:03:45 pm	0.022	11	12.78		1.00	1.00 1.00
280-50228-A-12-C	UNK	12/30/13 02:06:02 pm	0.021	5	40.95		1.00	1.00 1.00
280-50228-A-17-C	UNK	12/30/13 02:08:20 pm	0.069	291	1.32		1.00	1.00 1.00
280-50228-A-24-C	UNK	12/30/13 02:10:38 pm	0.018	-10	19.16		1.00	1.00 1.00
280-50228-A-27-G	UNK	12/30/13 02:12:56 pm	0.019	-4	54.30		1.00	1.00 1.00
280-50228-A-27-H MS	UNK	12/30/13 02:15:14 pm	4.628	27139	0.14		1.00	1.00 1.00
280-50228-A-27-I MSD	UNK	12/30/13 02:17:33 pm	4.637	27190	0.13		1.00	1.00 1.00
CCV 2444423 % Recovery 100.72	CCV	12/30/13 02:19:53 pm	5.036	29537	0.20		1.00	1.00 1.00
CCB	CCB	12/30/13 02:22:10 pm	0.011	-53	5.99		1.00	1.00 1.00
280-50309-A-2-A	UNK	12/30/13 02:24:29 pm	0.022	15	23.78		1.00	1.00 1.00
280-50309-A-7-A	UNK	12/30/13 02:26:48 pm	0.018	-12	12.90		1.00	1.00 1.00
280-50309-A-13-A	UNK	12/30/13 02:29:08 pm	0.030	60	2.16		1.00	1.00 1.00
280-50309-A-18-A	UNK	12/30/13 02:31:27 pm	0.013	-40	7.32		1.00	1.00 1.00
280-50309-A-24-A	UNK	12/30/13 02:33:44 pm	0.018	-10	10.51		1.00	1.00 1.00
280-50309-A-29-A	UNK	12/30/13 02:36:01 pm	0.019	-4	23.15		1.00	1.00 1.00
MB 280-205422/1-A	UNK	12/30/13 02:38:19 pm	0.018	-12	26.92		1.00	1.00 1.00
LCS 280-205422/2-A	UNK	12/30/13 02:40:36 pm	4.678	27429	0.13		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-50163-A-4-G	UNK	12/30/13 02:42:54 pm	0.013	-42	3.96		1.00	1.00	1.00
280-50163-A-4-H MS	UNK	12/30/13 02:45:12 pm	4.546	26654	0.13		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 02:47:32 pm	4.992	29277	0.20		1.00	1.00	1.00
% Recovery 99.83									
CCB	CCB	12/30/13 02:49:49 pm	0.017	-18	10.48		1.00	1.00	1.00
280-50163-A-4-I MSD	UNK	12/30/13 02:52:07 pm	4.488	26314	0.27		1.00	1.00	1.00
280-50163-A-9-C	UNK	12/30/13 02:54:26 pm	0.011	-50	10.91		1.00	1.00	1.00
280-50163-A-14-C	UNK	12/30/13 02:56:45 pm	0.015	-28	16.92		1.00	1.00	1.00
280-50163-A-21-C	UNK	12/30/13 02:59:04 pm	0.030	61	3.17		1.00	1.00	1.00
280-50163-A-26-C	UNK	12/30/13 03:01:24 pm	0.022	11	11.27		1.00	1.00	1.00
280-50163-A-31-C	UNK	12/30/13 03:03:44 pm	0.017	-18	7.97		1.00	1.00	1.00
280-50163-A-36-C	UNK	12/30/13 03:06:01 pm	0.021	5	36.77		1.00	1.00	1.00
280-50163	UNK	12/30/13 03:08:18 pm	0.024	23	8.81		1.00	1.00	1.00
280-50163-A-45-C	UNK	12/30/13 03:10:36 pm	0.017	-14	23.36		1.00	1.00	1.00
280-50228-A-3-C	UNK	12/30/13 03:12:53 pm	0.028	51	3.53		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 03:15:13 pm	4.968	29139	0.24		1.00	1.00	1.00
% Recovery 99.36									
CCB	CCB	12/30/13 03:17:30 pm	0.015	-27	24.85		1.00	1.00	1.00
280-50228-A-8-C	UNK	12/30/13 03:19:48 pm	0.030	60	2.98		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-50228-A-13-C	UNK	12/30/13 03:22:06 pm	0.016	-22	24.34		1.00	1.00	1.00
280-50228-A-18-C	UNK	12/30/13 03:24:24 pm	0.019	-2	183.58		1.00	1.00	1.00
280-50228-A-28-G	UNK	12/30/13 03:26:43 pm	0.025	32	6.33		1.00	1.00	1.00
280-50228-A-28-H MS	UNK	12/30/13 03:29:02 pm	4.593	26932	0.13		1.00	1.00	1.00
280-50228-A-28-I MSD	UNK	12/30/13 03:31:21 pm	4.553	26694	0.14		1.00	1.00	1.00
280-50309-A-3-B	UNK	12/30/13 03:33:41 pm	0.017	-13	33.38		1.00	1.00	1.00
280-50309-A-8-B	UNK	12/30/13 03:36:01 pm	0.024	26	9.90		1.00	1.00	1.00
280-50309-A-14-B	UNK	12/30/13 03:38:18 pm	0.018	-9	7.32		1.00	1.00	1.00
280-50309-A-19-B	UNK	12/30/13 03:40:36 pm	0.032	73	2.88		1.00	1.00	1.00
CCV 2444423 % Recovery 99.39	CCV	12/30/13 03:42:56 pm	4.969	29146	0.21		1.00	1.00	1.00
CCB	CCB	12/30/13 03:45:13 pm	0.015	-25	13.24		1.00	1.00	1.00
280-50309-A-25-B	UNK	12/30/13 03:47:30 pm	0.017	-18	14.19		1.00	1.00	1.00
280-50309-A-30-B	UNK	12/30/13 03:49:48 pm	0.016	-20	8.46		1.00	1.00	1.00
LB2 280-206672/1-C	UNK	12/30/13 03:52:06 pm	0.021	9	33.60		1.00	1.00	1.00
LCS 280-206672/2-C	UNK	12/30/13 03:54:24 pm	5.476	32131	0.14		1.00	1.00	1.00
280-50645-A-1-C	UNK	12/30/13 03:56:42 pm	0.109	526	0.55		1.00	1.00	1.00
280-50645-A-2-C	UNK	12/30/13 03:59:01 pm	0.024	26	1.78		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-50645-A-3-C	UNK	12/30/13 04:01:20 pm	0.019	-7	21.50		1.00	1.00	1.00
280-50645-A-4-C	UNK	12/30/13 04:03:39 pm	0.016	-22	20.54		1.00	1.00	1.00
280-50645-A-5-C	UNK	12/30/13 04:05:59 pm	0.018	-10	28.96		1.00	1.00	1.00
280-50645-A-7-C	UNK	12/30/13 04:08:18 pm	0.030	62	1.88		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 04:10:38 pm	4.935	28944	0.37		1.00	1.00	1.00
% Recovery 98.70									
CCB	CCB	12/30/13 04:12:55 pm	0.014	-34	6.04		1.00	1.00	1.00
280-50645-A-8-C	UNK	12/30/13 04:15:13 pm	0.035	88	1.01		1.00	1.00	1.00
280-50645-A-9-C	UNK	12/30/13 04:17:31 pm	0.015	-26	12.29		1.00	1.00	1.00
280-50645-A-10-C	UNK	12/30/13 04:19:49 pm	0.031	65	6.16		1.00	1.00	1.00
280-50645-A-11-C	UNK	12/30/13 04:22:07 pm	0.025	34	9.66		1.00	1.00	1.00
280-50645-A-12-C	UNK	12/30/13 04:24:25 pm	0.028	48	4.40		1.00	1.00	1.00
280-50645-A-13-C	UNK	12/30/13 04:26:43 pm	0.052	190	1.21		1.00	1.00	1.00
280-50645-A-14-C	UNK	12/30/13 04:29:02 pm	0.019	-4	29.42		1.00	1.00	1.00
280-50645-A-15-C	UNK	12/30/13 04:31:21 pm	0.025	31	10.86		1.00	1.00	1.00
280-50645-A-16-C	UNK	12/30/13 04:33:40 pm	0.021	9	25.96		1.00	1.00	1.00
280-50645-A-17-C	UNK	12/30/13 04:35:59 pm	0.029	54	10.93		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 04:38:19 pm	4.886	28653	0.11		1.00	1.00	1.00
% Recovery 97.71									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCB	CCB	12/30/13 04:40:36 pm	0.014	-31	2.86		1.00	1.00	1.00
280-50645-A-18-C	UNK	12/30/13 04:42:55 pm	0.027	45	3.50		1.00	1.00	1.00
280-50474-A-10-D	UNK	12/30/13 04:45:15 pm	0.038	106	2.74		1.00	1.00	1.00
280-50474-A-11-F	UNK	12/30/13 04:47:33 pm	0.029	55	1.00		1.00	1.00	1.00
280-50474-A-11-G MS	UNK	12/30/13 04:49:52 pm	5.361	31451	0.16		1.00	1.00	1.00
280-50474-A-11-H MSD	UNK	12/30/13 04:52:10 pm	5.324	31231	0.15		1.00	1.00	1.00
LB2 280-206821/1-B	UNK	12/30/13 04:54:28 pm	0.014	-35	4.69		1.00	1.00	1.00
LCS 280-206821/2-B	UNK	12/30/13 04:56:46 pm	5.518	32374	0.34		1.00	1.00	1.00
280-50645-A-19-B	UNK	12/30/13 04:59:05 pm	0.020	1	99.59		1.00	1.00	1.00
280-50645-A-20-B	UNK	12/30/13 05:01:23 pm	0.024	24	5.93		1.00	1.00	1.00
280-50645-A-21-B	UNK	12/30/13 05:03:42 pm	0.016	-21	5.20		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 05:06:02 pm	4.933	28931	0.17		1.00	1.00	1.00
% Recovery 98.66									
CCB	CCB	12/30/13 05:08:19 pm	0.013	-41	2.52		1.00	1.00	1.00
280-50645-A-22-B	UNK	12/30/13 05:10:38 pm	0.028	52	2.46		1.00	1.00	1.00
280-50645-A-23-B	UNK	12/30/13 05:12:57 pm	0.020	3	45.10		1.00	1.00	1.00
280-50645-A-24-B	UNK	12/30/13 05:15:17 pm	0.014	-33	3.91		1.00	1.00	1.00
280-50645-A-25-B	UNK	12/30/13 05:17:37 pm	0.042	131	0.91		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-50645-A-26-B	UNK	12/30/13 05:19:55 pm	0.020	2	215.98		1.00	1.00	1.00
280-50645-A-27-B	UNK	12/30/13 05:22:14 pm	0.021	8	28.62		1.00	1.00	1.00
280-50645-A-28-B	UNK	12/30/13 05:24:32 pm	0.023	19	10.80		1.00	1.00	1.00
280-50645-A-29-B	UNK	12/30/13 05:26:51 pm	0.020	3	17.21		1.00	1.00	1.00
280-50645-A-30-B	UNK	12/30/13 05:29:09 pm	0.024	23	2.64		1.00	1.00	1.00
280-50639-A-2-B	UNK	12/30/13 05:31:28 pm	0.046	154	2.39		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 05:33:48 pm	5.296	31068	0.14		1.00	1.00	1.00
% Recovery 105.92									
CCB	CCB	12/30/13 05:36:05 pm	0.018	-8	14.44		1.00	1.00	1.00
280-50639-A-2-C MS	UNK	12/30/13 05:38:23 pm	5.274	30939	0.14		1.00	1.00	1.00
280-50639-A-2-D MSD	UNK	12/30/13 05:40:42 pm	5.142	30164	0.17		1.00	1.00	1.00
LB 280-206700/1-C	UNK	12/30/13 05:43:01 pm	0.017	-18	21.47		1.00	1.00	1.00
LCS 280-206700/2-C	UNK	12/30/13 05:45:20 pm	5.135	30119	0.26		1.00	1.00	1.00
280-50567-A-1-F	UNK	12/30/13 05:47:40 pm	0.020	2	120.05		1.00	1.00	1.00
280-50567-A-1-F sd@5	UNK	12/30/13 05:50:00 pm	0.016	-20	23.74		1.00	1.00	1.00
280-50567-A-1-G MS	UNK	12/30/13 05:52:18 pm	5.140	30153	0.20		1.00	1.00	1.00
280-50567-A-1-H MSD	UNK	12/30/13 05:54:37 pm	4.968	29140	0.17		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 05:56:57 pm	4.872	28575	0.23		1.00	1.00	1.00
% Recovery 97.45									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCB	CCB	12/30/13 05:59:14 pm	0.012	-42	8.41		1.00	1.00	1.00
LB 280-206192/1-F	UNK	12/30/13 06:01:33 pm	0.018	-10	13.10		1.00	1.00	1.00
LCS 280-206192/2-F	UNK	12/30/13 06:03:52 pm	5.235	30709	0.23		1.00	1.00	1.00
280-50385-A-1-I	UNK	12/30/13 06:06:11 pm	0.021	9	20.97		1.00	1.00	1.00
280-50385-A-1-I sd@5	UNK	12/30/13 06:08:29 pm	0.019	-3	33.83		1.00	1.00	1.00
280-50385-A-1-J MS	UNK	12/30/13 06:10:48 pm	5.139	30147	0.66		1.00	1.00	1.00
280-50385-A-1-K MSD	UNK	12/30/13 06:13:07 pm	5.195	30473	0.21		1.00	1.00	1.00
CCV 2444423	CCV	12/30/13 06:15:27 pm	4.878	28608	0.27		1.00	1.00	1.00
% Recovery 97.56									
CCB	CCB	12/30/13 06:17:44 pm	0.013	-39	7.09		1.00	1.00	1.00

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	61.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206192 Batch Start Date: 12/20/13 17:15 Batch Analyst: Wiggins, Joshua J

Batch Method: 1311 Batch End Date: 12/21/13 09:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-206192/1		1311, 3010A, 6010B		T1					
LCS 280-206192/2		1311, 3010A, 6010B		T1					
280-50385-A-1	AOI72TCLP01AA	1311, 3010A, 6010B	P	T1					

Batch Notes	
First End time	12/21/13 09:25
First Start time	12/20/13 17:15

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206491 Batch Start Date: 12/26/13 12:15 Batch Analyst: Broander, Laura L

Batch Method: 3010A Batch End Date: 12/26/13 17:15

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	ICP SPK 2A 00068	ICP SPK 3A 00071	TCLP Spike 00009
LB 280-206192/1-A		3010A, 6010B		<2 SU	10 mL	50 mL			
LCS 280-206192/2-A		3010A, 6010B		<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL
280-50385-A-1-A	AOI72TCLP01AA	3010A, 6010B	P	<2 SU	10 mL	50 mL			
280-50385-A-1-A MS	AOI72TCLP01AA	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL
280-50385-A-1-A MSD	AOI72TCLP01AA	3010A, 6010B	P	<2 SU	10 mL	50 mL	0.1 mL	0.1 mL	0.1 mL

Batch Notes	
Lot # of hydrochloric acid	0000040272-12/01
Lot # of Nitric Acid	0000053953-12/03
Hot Block ID number	06
Oven, Bath or Block Temperature 1	93 Degrees C
Oven, Bath or Block Temperature 2	96 Degrees C
Pipette ID	MET-007
ID number of the thermometer	mp6
Digestion Tube/Cup Lot #	1308777
Uncorrected Temperature	93 Celsius
Uncorrected Temperature 2	96 Celsius

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206192 Batch Start Date: 12/20/13 17:15 Batch Analyst: Wiggins, Joshua J

Batch Method: 1311 Batch End Date: 12/21/13 09:25

Lab Sample ID	Client Sample ID	Method Chain	Basis	ExtractFluid					
LB 280-206192/1		1311, 7470A, 7470A		T1					
LCS 280-206192/2		1311, 7470A, 7470A		T1					
280-50385-A-1	AOI72TCLP01AA	1311, 7470A, 7470A	P	T1					

Batch Notes	
First End time	12/21/13 09:25
First Start time	12/20/13 17:15

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206671 Batch Start Date: 12/30/13 09:45 Batch Analyst: Rhoades, Chris R

Batch Method: 7470A Batch End Date: 12/30/13 11:45

Lab Sample ID	Client Sample ID	Method Chain	Basis	Initial pH	InitialAmount	FinalAmount	Hg Daily Spk 00973		
LB 280-206192/1-A		7470A, 7470A			30 mL	30 mL			
LCS 280-206192/2-A		7470A, 7470A			30 mL	30 mL	1.5 mL		
280-50385-A-1-A	AOI72TCLP01AA	7470A, 7470A	P	<2	30 mL	30 mL			
280-50385-A-1-A MS	AOI72TCLP01AA	7470A, 7470A	P	<2	30 mL	30 mL	1.5 mL		
280-50385-A-1-A MSD	AOI72TCLP01AA	7470A, 7470A	P	<2	30 mL	30 mL	1.5 mL		

Batch Notes	
Hydroxylamine Hydrochloride Lot	2CG0311-12/30
Sulfuric Acid Lot Number	000053267-11/29
Lot # of hydrochloric acid	0000055129-12/19
Lot # of Nitric Acid	0000050770-12/16
Hood ID or number	HOOD4
Hot Block ID number	15
Potassium Persulfate Lot Number	130433-12/27
Potassium Permanganate Lot Number	0000056237-12/27
NaCL Lot #	0000059796-11/26
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95
Pipette ID	MET58
Stannous Chloride Lot Number	0000057762-12/27
SOP Number	DVMT0017
Temperature	95 Celsius
ID number of the thermometer	HG-4
Digestion Tube/Cup Lot #	1308077
Uncorrected Temperature	95 Celsius
Visual ck - digestate F.V. consistency	YES-F.V.CKD

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-50385-1

SDG No.: 294

Batch Number: 206671 Batch Start Date: 12/30/13 09:45 Batch Analyst: Rhoades, Chris R

Batch Method: 7470A Batch End Date: 12/30/13 11:45

Basis	Basis Description
P	TCLP

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

2.5 SK
JR 12-17-13

280-50385 Chain of Custody

CHAIN OF CUSTODY RECORD

COC#: _1_ SDG#: _ 294 _ (Open/Closed) Cooler ID#: _A_

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

Analyses requested

Field Sample ID	LocID	Date 2013	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	TCLP VOCs, SVOCs, 8 oz glass jar	TCLP Metals 8 oz glass jar	Comments
AOI72TCLP01AA	AOI72TCLP	12/13	1145	SO	G	N	0/0	2	1	1	

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List:

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 12/16/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1500	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 12/17/13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time.	Company Name: TA-Denver	Time: 9:45	Company Name:	Time:

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

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

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

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-50385-1
SDG Number: 294

Login Number: 50385
List Number: 1
Creator: Dedio, Michael T

List Source: TestAmerica Denver

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 280-54473-1

Job Description: Griffiss AFB AOI 72

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

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
5/13/2014 2:47 PM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
05/13/2014

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

The Lab Certification ID# is E87667.

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

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB AOI 72
Report Number: 280-54473-1

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

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

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

RECEIPT

Five samples were received on 4/18/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7º C.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - SOIL

Samples AOI72BT0106AA (280-54473-1) and AOI72BT0206AA (280-54473-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/21/2014.

Carbon disulfide and Naphthalene were detected in method blank MB 280-222190/1-A at levels that were above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

1,2,3-Trichloropropane failed the recovery criteria low, and exhibited RPD data outside of QC control limits for the MS/MSD of sample AOI72BT0106AA (280-54473-1) in batch 280-222190. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - WATER

Samples 041614AE (280-54473-3), 041614AF (280-54473-4) and 041614AR (280-54473-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/25/2014.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) recovered outside control limits for the following analytes: 4-Methyl-2-pentanone and/or 2-Hexanone. The associated LCS/LCSD recoveries were in control, demonstrating that operating procedures were in control; therefore; corrective action was deemed unnecessary. The associated data have been flagged accordingly.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples AOI72BT0106AA (280-54473-1) and AOI72BT0206AA (280-54473-2) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 04/28/2014.

No difficulties were encountered during the % solids analysis.

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_G2 Analysis Batch Number: 216434

Lab Sample ID: IC 280-216434/15 Client Sample ID:

Date Analyzed: 03/12/14 11:35 Lab File ID: G2_8373.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
TBA-d9 (IS)	5.64	Assign Peak	ilczyszyn d	03/12/14 12:06

Lab Sample ID: IC 280-216434/16 Client Sample ID:

Date Analyzed: 03/12/14 11:56 Lab File ID: G2_8374.D GC Column: DB-624 (60.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
TBA-d9 (IS)	5.64	Assign Peak	ilczyszyn d	03/12/14 12:27

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 221523

Lab Sample ID: STD001 280-221523/2 IC Client Sample ID:

Date Analyzed: 04/16/14 19:19 Lab File ID: J1275.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Isopropylbenzene	11.61	Assign Peak	dukesa	04/16/14 22:19
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/16/14 22:19

Lab Sample ID: STD002 280-221523/3 IC Client Sample ID:

Date Analyzed: 04/16/14 19:40 Lab File ID: J1276.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/16/14 22:19

Lab Sample ID: STD005 280-221523/4 IC Client Sample ID:

Date Analyzed: 04/16/14 20:01 Lab File ID: J1277.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/16/14 22:19

Lab Sample ID: STD020 280-221523/6 IC Client Sample ID:

Date Analyzed: 04/16/14 20:43 Lab File ID: J1279.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/16/14 22:19

Lab Sample ID: STD100 280-221523/8 IC Client Sample ID:

Date Analyzed: 04/16/14 21:25 Lab File ID: J1281.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/16/14 23:20

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 221523

Lab Sample ID: ICV 280-221523/20 Client Sample ID:

Date Analyzed: 04/17/14 02:02 Lab File ID: J1294.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/17/14 16:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 222203

Lab Sample ID: LCS 280-222190/2-A Client Sample ID:

Date Analyzed: 04/21/14 17:53 Lab File ID: J1377.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/21/14 19:13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 222203

Lab Sample ID: LCS 280-222190/2-A Client Sample ID:

Date Analyzed: 04/21/14 17:53 Lab File ID: J1377.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	04/21/14 19:13

KW 5/5/14

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-54473-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-54473-1	AOI72BT0106AA	Solid	04/16/2014 0945	04/18/2014 1000
280-54473-2	AOI72BT0206AA	Solid	04/16/2014 0810	04/18/2014 1000
280-54473-3	041614AE	Water	04/16/2014 0655	04/18/2014 1000
280-54473-4	041614AF	Water	04/16/2014 0950	04/18/2014 1000
280-54473-5	041614AR	Water	04/16/2014 0645	04/18/2014 1000

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-54473-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-54473-1	**AOI72BT0106AA**					
Acetone		10	J	26	ug/Kg	8260B/DoD
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture
280-54473-2	**AOI72BT0206AA**					
Percent Moisture		19		0.10	%	Moisture
Percent Solids		81		0.10	%	Moisture

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-54473-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Percent Moisture	TAL DEN	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260C	
Purge and Trap	TAL DEN		SW846 5030B

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-54473-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dukes, Aaron D	ADD
SW846 8260C	Dukes, Aaron D	ADD
EPA Moisture	Pavlakovich, Adam M	AMP

Client: FPM Remediations Inc | Job Number: 280-54473-1

Client Sample ID: **AOI72BT0106AA**

Lab Sample ID: 280-54473-1 | Date Sampled: 04/16/2014 0945
Client Matrix: Solid | % Moisture: 19.1 | Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1382.D
Dilution:	1.0			Initial Weight/Volume:	4.694 g
Analysis Date:	04/21/2014 1947			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.3	U	0.74	6.6
1,1,1-Trichloroethane		1.3	U	0.68	6.6
1,1,2,2-Tetrachloroethane		1.3	U	0.80	6.6
1,1,2-Trichloro-1,2,2-trifluoroethane		26	U	0.59	26
1,1,2-Trichloroethane		1.3	U	1.2	6.6
1,1-Dichloroethane		1.1	U	0.28	6.6
1,1-Dichloroethene		1.3	U	0.78	6.6
1,1-Dichloropropene		1.3	U	0.71	6.6
1,2,3-Trichlorobenzene		1.3	U	0.99	6.6
1,2,3-Trichloropropane		1.3	U J	1.1	6.6
1,2,4-Trichlorobenzene		1.3	U	0.96	6.6
1,2,4-Trimethylbenzene		1.3	U	0.76	6.6
1,2-Dibromo-3-Chloropropane		1.3	U	0.79	13
1,2-Dichlorobenzene		1.3	U	0.59	6.6
1,2-Dichloroethane		1.3	U	0.92	6.6
1,2-Dichloropropane		1.3	U	0.72	6.6
1,3,5-Trimethylbenzene		1.3	U	0.75	6.6
1,3-Dichlorobenzene		1.3	U	0.63	6.6
1,3-Dichloropropane		1.3	U	0.67	6.6
1,4-Dichlorobenzene		1.3	U	1.0	6.6
1,4-Dioxane		110	U	74	660
1-Chlorohexane		1.1	U	0.83	6.6
2,2-Dichloropropane		1.3	U	0.58	6.6
2-Butanone (MEK)		8.4	U	2.4	26
2-Chlorotoluene		1.3	U	0.67	6.6
2-Hexanone		13	U	6.4	26
4-Chlorotoluene		1.3	U	1.0	6.6
4-Isopropyltoluene		1.3	U	0.64	6.6
4-Methyl-2-pentanone (MIBK)		13	U	5.7	26
Acetone		10	J	7.1	26
Benzene		1.3	U	0.62	6.6
Bromobenzene		1.3	U	0.64	6.6
Bromoform		1.1	U	0.30	6.6
Bromomethane		1.3	U J	0.66	13
Carbon disulfide		1.3	U	0.55	6.6
Carbon tetrachloride		1.3	U	0.83	6.6
Chlorobenzene		1.3	U	0.71	6.6
Chlorobromomethane		1.3	U	0.39	6.6
Chlorodibromomethane		1.3	U	0.75	6.6
Chloroethane		1.3	U J	1.2	13
Chloroform		1.3	U	0.38	13
Chloromethane		1.3	U	1.0	13
cis-1,2-Dichloroethene		1.3	U	0.74	6.6
cis-1,3-Dichloropropene		2.6	U	1.7	6.6
Cyclohexane		2.1	U	0.53	6.6
Dibromomethane		1.3	U	1.1	6.6

Client: FPM Remediations Inc | Job Number: 280-54473-1

Client Sample ID: **AOI72BT0106AA**

Lab Sample ID: 280-54473-1 | Date Sampled: 04/16/2014 0945
Client Matrix: Solid | % Moisture: 19.1 | Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1382.D
Dilution:	1.0			Initial Weight/Volume:	4.694 g
Analysis Date:	04/21/2014 1947			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Dichlorobromomethane		1.1	U	0.29	6.6
Dichlorodifluoromethane		1.3	U J	0.68	13
Ethylbenzene		1.3	U	0.88	6.6
Ethylene Dibromide		1.3	U	0.68	6.6
Hexachlorobutadiene		1.3	U	0.72	6.6
Isopropylbenzene		1.3	U	0.78	6.6
Methyl acetate		5.3	U	3.6	11
Methyl tert-butyl ether		1.3	U	0.45	26
Methylcyclohexane		1.1	U	0.55	6.6
Methylene Chloride		4.2	U	2.1	6.6
m-Xylene & p-Xylene		2.6	U	1.4	4.2
Naphthalene		1.3	U	0.83	6.6
n-Butylbenzene		1.3	U	0.74	6.6
N-Propylbenzene		1.3	U	0.76	6.6
o-Xylene		1.3	U	0.80	6.6
sec-Butylbenzene		1.3	U	1.0	6.6
Styrene		1.3	U	0.83	6.6
tert-Butylbenzene		1.3	U	0.66	6.6
Tetrachloroethene		1.3	U	0.78	6.6
Toluene		1.3	U	0.91	6.6
trans-1,2-Dichloroethene		1.3	U	0.51	6.6
trans-1,3-Dichloropropene		1.3	U	0.88	6.6
Trichloroethene		1.1	U	0.30	6.6
Trichlorofluoromethane		2.6	U J	1.4	13
Vinyl chloride		2.6	U J	1.8	6.6

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		61 - 129
4-Bromofluorobenzene (Surr)	99		85 - 120
Dibromofluoromethane (Surr)	94		71 - 126
Toluene-d8 (Surr)	101		85 - 115

Client: FPM Remediations Inc | Job Number: 280-54473-1

Client Sample ID: **AOI72BT0206AA**

Lab Sample ID: 280-54473-2 | Date Sampled: 04/16/2014 0810
Client Matrix: Solid | % Moisture: 18.9 | Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1385.D
Dilution:	1.0			Initial Weight/Volume:	5.256 g
Analysis Date:	04/21/2014 2050			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.2	U	0.66	5.9
1,1,1-Trichloroethane		1.2	U	0.61	5.9
1,1,2,2-Tetrachloroethane		1.2	U	0.72	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane		23	U	0.53	23
1,1,2-Trichloroethane		1.2	U	1.0	5.9
1,1-Dichloroethane		0.94	U	0.25	5.9
1,1-Dichloroethene		1.2	U	0.69	5.9
1,1-Dichloropropene		1.2	U	0.63	5.9
1,2,3-Trichlorobenzene		1.2	U	0.88	5.9
1,2,3-Trichloropropane		1.2	U	0.95	5.9
1,2,4-Trichlorobenzene		1.2	U	0.86	5.9
1,2,4-Trimethylbenzene		1.2	U	0.68	5.9
1,2-Dibromo-3-Chloropropane		1.2	U	0.70	12
1,2-Dichlorobenzene		1.2	U	0.53	5.9
1,2-Dichloroethane		1.2	U	0.82	5.9
1,2-Dichloropropane		1.2	U	0.65	5.9
1,3,5-Trimethylbenzene		1.2	U	0.67	5.9
1,3-Dichlorobenzene		1.2	U	0.56	5.9
1,3-Dichloropropane		1.2	U	0.60	5.9
1,4-Dichlorobenzene		1.2	U	0.92	5.9
1,4-Dioxane		94	U	66	590
1-Chlorohexane		0.94	U	0.74	5.9
2,2-Dichloropropane		1.2	U	0.52	5.9
2-Butanone (MEK)		7.5	U	2.1	23
2-Chlorotoluene		1.2	U	0.60	5.9
2-Hexanone		12	U	5.7	23
4-Chlorotoluene		1.2	U	0.92	5.9
4-Isopropyltoluene		1.2	U	0.57	5.9
4-Methyl-2-pentanone (MIBK)		12	U	5.1	23
Acetone		12	U	6.3	23
Benzene		1.2	U	0.55	5.9
Bromobenzene		1.2	U	0.57	5.9
Bromoform		0.94	U	0.27	5.9
Bromomethane		1.2	U	0.59	12
Carbon disulfide		1.2	U	0.49	5.9
Carbon tetrachloride		1.2	U	0.74	5.9
Chlorobenzene		1.2	U	0.63	5.9
Chlorobromomethane		1.2	U	0.35	5.9
Chlorodibromomethane		1.2	U	0.67	5.9
Chloroethane		1.2	U	1.0	12
Chloroform		1.2	U	0.34	12
Chloromethane		1.2	U	0.90	12
cis-1,2-Dichloroethene		1.2	U	0.66	5.9
cis-1,3-Dichloropropene		2.3	U	1.5	5.9
Cyclohexane		1.9	U	0.47	5.9
Dibromomethane		1.2	U	0.99	5.9

Client: FPM Remediations Inc | Job Number: 280-54473-1

Client Sample ID: **AOI72BT0206AA**

Lab Sample ID: 280-54473-2 | Date Sampled: 04/16/2014 0810
Client Matrix: Solid | % Moisture: 18.9 | Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1385.D
Dilution:	1.0			Initial Weight/Volume:	5.256 g
Analysis Date:	04/21/2014 2050			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Dichlorobromomethane		0.94	U	0.26	5.9
Dichlorodifluoromethane		1.2	U	0.61	12
Ethylbenzene		1.2	U	0.79	5.9
Ethylene Dibromide		1.2	U	0.61	5.9
Hexachlorobutadiene		1.2	U	0.65	5.9
Isopropylbenzene		1.2	U	0.69	5.9
Methyl acetate		4.7	U	3.2	10
Methyl tert-butyl ether		1.2	U	0.40	23
Methylcyclohexane		0.94	U	0.49	5.9
Methylene Chloride		3.8	U	1.9	5.9
m-Xylene & p-Xylene		2.3	U	1.2	3.8
Naphthalene		1.2	U	0.74	5.9
n-Butylbenzene		1.2	U	0.66	5.9
N-Propylbenzene		1.2	U	0.68	5.9
o-Xylene		1.2	U	0.72	5.9
sec-Butylbenzene		1.2	U	0.90	5.9
Styrene		1.2	U	0.74	5.9
tert-Butylbenzene		1.2	U	0.59	5.9
Tetrachloroethene		1.2	U	0.69	5.9
Toluene		1.2	U	0.81	5.9
trans-1,2-Dichloroethene		1.2	U	0.46	5.9
trans-1,3-Dichloropropene		1.2	U	0.79	5.9
Trichloroethene		0.94	U	0.27	5.9
Trichlorofluoromethane		2.3	U	1.2	12
Vinyl chloride		2.3	U	1.6	5.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		61 - 129
4-Bromofluorobenzene (Surr)	102		85 - 120
Dibromofluoromethane (Surr)	96		71 - 126
Toluene-d8 (Surr)	106		85 - 115

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: **041614AE**

Lab Sample ID: 280-54473-3
Client Matrix: Water

Date Sampled: 04/16/2014 0655
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0025.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2109			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2109				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.40	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.40	U	0.16	1.0
1,1-Dichloroethene	0.40	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.40	U	0.13	1.0
1,2-Dichloropropane	0.40	U	0.13	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.40	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U Q	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U Q	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.40	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc | Job Number: 280-54473-1

Client Sample ID: **041614AE**

Lab Sample ID: 280-54473-3 | Date Sampled: 04/16/2014 0655
Client Matrix: Water | Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0025.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2109			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2109				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.40	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.80	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.40	U	0.10	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115
Toluene-d8 (Surr)	92		85 - 120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: **041614AF**

Lab Sample ID: 280-54473-4
Client Matrix: Water

Date Sampled: 04/16/2014 0950
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0026.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2129			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2129				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.40	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.40	U	0.16	1.0
1,1-Dichloroethene	0.40	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.40	U	0.13	1.0
1,2-Dichloropropane	0.40	U	0.13	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.40	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U Q	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U Q	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.40	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc | Job Number: 280-54473-1

Client Sample ID: **041614AF**

Lab Sample ID: 280-54473-4 | Date Sampled: 04/16/2014 0950
Client Matrix: Water | Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0026.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2129			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2129				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.40	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.80	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.40	U	0.10	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 120
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane (Surr)	100		85 - 115
Toluene-d8 (Surr)	102		85 - 120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: **041614AR**

Lab Sample ID: 280-54473-5
Client Matrix: Water

Date Sampled: 04/16/2014 0645
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0027.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2149			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2149				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.40	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.40	U	0.16	1.0
1,1-Dichloroethene	0.40	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.40	U	0.13	1.0
1,2-Dichloropropane	0.40	U	0.13	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.40	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U Q	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U Q	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.40	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

Client: FPM Remediations Inc | Job Number: 280-54473-1

Client Sample ID: **041614AR**

Lab Sample ID: 280-54473-5 | Date Sampled: 04/16/2014 0645
Client Matrix: Water | Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0027.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2149			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2149				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.40	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.80	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.40	U	0.10	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 120
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115
Toluene-d8 (Surr)	90		85 - 120

General Chemistry

Client Sample ID: **AOI72BT0106AA**

Lab Sample ID: 280-54473-1 Date Sampled: 04/16/2014 0945

Client Matrix: Solid Date Received: 04/18/2014 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-223219	Analysis Date: 04/28/2014 1327						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-223219	Analysis Date: 04/28/2014 1327						DryWt Corrected: N

General Chemistry

Client Sample ID: **AOI72BT0206AA**

Lab Sample ID: 280-54473-2 Date Sampled: 04/16/2014 0810
Client Matrix: Solid Date Received: 04/18/2014 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-223219	Analysis Date: 04/28/2014 1327						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-223219	Analysis Date: 04/28/2014 1327						DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-54473-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-54473-1	AOI72BT0106AA	94	86	101	99
280-54473-2	AOI72BT0206AA	96	89	106	102
MB 280-222190/1-A		95	91	103	99
LCS 280-222190/2-A		101	93	104	98
280-54473-1 MS	AOI72BT0106AA MS	98	91	101	95
280-54473-1 MSD	AOI72BT0106AA MSD	95	85	99	92

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Surrogate Recovery Report

8260C Volatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-54473-3	041614AE	90	91	92	94
280-54473-4	041614AF	100	105	102	106
280-54473-5	041614AR	90	94	90	92
MB 280-222940/8		99	105	99	104
LCS 280-222940/6		95	98	98	97
LCSD 280-222940/7		104	108	102	105

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Method Blank - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-222190/1-A	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1378.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/21/2014 1814	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	1.0	U	0.56	5.0
1,1,1-Trichloroethane	1.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	1.0	U	0.61	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	0.45	20
1,1,2-Trichloroethane	1.0	U	0.88	5.0
1,1-Dichloroethane	0.80	U	0.21	5.0
1,1-Dichloroethene	1.0	U	0.59	5.0
1,1-Dichloropropene	1.0	U	0.54	5.0
1,2,3-Trichlorobenzene	1.0	U	0.75	5.0
1,2,3-Trichloropropane	1.0	U	0.81	5.0
1,2,4-Trichlorobenzene	1.0	U	0.73	5.0
1,2,4-Trimethylbenzene	1.0	U	0.58	5.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.60	10
1,2-Dichlorobenzene	1.0	U	0.45	5.0
1,2-Dichloroethane	1.0	U	0.70	5.0
1,2-Dichloropropane	1.0	U	0.55	5.0
1,3,5-Trimethylbenzene	1.0	U	0.57	5.0
1,3-Dichlorobenzene	1.0	U	0.48	5.0
1,3-Dichloropropane	1.0	U	0.51	5.0
1,4-Dichlorobenzene	1.0	U	0.78	5.0
1,4-Dioxane	80	U	56	500
1-Chlorohexane	0.80	U	0.63	5.0
2,2-Dichloropropane	1.0	U	0.44	5.0
2-Butanone (MEK)	6.4	U	1.8	20
2-Chlorotoluene	1.0	U	0.51	5.0
2-Hexanone	10	U	4.9	20
4-Chlorotoluene	1.0	U	0.78	5.0
4-Isopropyltoluene	1.0	U	0.49	5.0
4-Methyl-2-pentanone (MIBK)	10	U	4.4	20
Acetone	10	U	5.4	20
Benzene	1.0	U	0.47	5.0
Bromobenzene	1.0	U	0.49	5.0
Bromoform	0.80	U	0.23	5.0
Bromomethane	1.0	U	0.50	10
Carbon disulfide	0.499	J	0.42	5.0
Carbon tetrachloride	1.0	U	0.63	5.0
Chlorobenzene	1.0	U	0.54	5.0
Chlorobromomethane	1.0	U	0.30	5.0
Chlorodibromomethane	1.0	U	0.57	5.0
Chloroethane	1.0	U	0.89	10
Chloroform	1.0	U	0.29	10
Chloromethane	1.0	U	0.77	10
cis-1,2-Dichloroethene	1.0	U	0.56	5.0
cis-1,3-Dichloropropene	2.0	U	1.3	5.0
Cyclohexane	1.6	U	0.40	5.0

Client: FPM Remediations Inc

Job Number: 280-54473-1

Method Blank - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-222190/1-A	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1378.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/21/2014 1814	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dibromomethane	1.0	U	0.84	5.0
Dichlorobromomethane	0.80	U	0.22	5.0
Dichlorodifluoromethane	1.0	U	0.52	10
Ethylbenzene	1.0	U	0.67	5.0
Ethylene Dibromide	1.0	U	0.52	5.0
Hexachlorobutadiene	1.0	U	0.55	5.0
Isopropylbenzene	1.0	U	0.59	5.0
Methyl acetate	4.0	U	2.8	8.5
Methyl tert-butyl ether	1.0	U	0.34	20
Methylcyclohexane	0.80	U	0.42	5.0
Methylene Chloride	3.2	U	1.6	5.0
m-Xylene & p-Xylene	2.0	U	1.0	3.2
Naphthalene	0.761	J	0.63	5.0
n-Butylbenzene	1.0	U	0.56	5.0
N-Propylbenzene	1.0	U	0.58	5.0
o-Xylene	1.0	U	0.61	5.0
sec-Butylbenzene	1.0	U	0.77	5.0
Styrene	1.0	U	0.63	5.0
tert-Butylbenzene	1.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.59	5.0
Toluene	1.0	U	0.69	5.0
trans-1,2-Dichloroethene	1.0	U	0.39	5.0
trans-1,3-Dichloropropene	1.0	U	0.67	5.0
Trichloroethene	0.80	U	0.23	5.0
Trichlorofluoromethane	2.0	U	1.0	10
Vinyl chloride	2.0	U	1.3	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	61 - 129
4-Bromofluorobenzene (Surr)	99	85 - 120
Dibromofluoromethane (Surr)	95	71 - 126
Toluene-d8 (Surr)	103	85 - 115

Lab Control Sample - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-222190/2-A	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1377.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/21/2014 1753	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	50.0	55.0	110	75 - 125	
1,1,1-Trichloroethane	50.0	54.3	109	70 - 135	
1,1,2,2-Tetrachloroethane	50.0	51.8	104	55 - 130	
1,1,2-Trichloroethane	50.0	52.4	105	60 - 125	
1,1-Dichloroethane	50.0	54.8	110	75 - 125	
1,1-Dichloroethene	50.0	54.0	108	65 - 135	
1,1-Dichloropropene	50.0	56.8	114	70 - 135	
1,2,3-Trichlorobenzene	50.0	55.5	111	60 - 135	
1,2,3-Trichloropropane	50.0	52.9	106	65 - 130	M
1,2,4-Trichlorobenzene	50.0	56.3	113	65 - 130	
1,2,4-Trimethylbenzene	50.0	54.3	109	65 - 135	
1,2-Dibromo-3-Chloropropane	50.0	53.1	106	40 - 135	
1,2-Dichlorobenzene	50.0	55.1	110	75 - 120	
1,2-Dichloroethane	50.0	55.1	110	70 - 135	
1,2-Dichloropropane	50.0	52.4	105	70 - 120	
1,3,5-Trimethylbenzene	50.0	55.5	111	65 - 135	
1,3-Dichlorobenzene	50.0	55.1	110	70 - 125	
1,3-Dichloropropane	50.0	51.0	102	75 - 125	
1,4-Dichlorobenzene	50.0	55.8	112	70 - 125	
2,2-Dichloropropane	50.0	55.9	112	65 - 135	
2-Butanone (MEK)	200	212	106	30 - 160	
2-Chlorotoluene	50.0	55.7	111	70 - 130	
2-Hexanone	200	167	83	45 - 145	
4-Chlorotoluene	50.0	55.9	112	75 - 125	
4-Isopropyltoluene	50.0	56.1	112	75 - 135	
4-Methyl-2-pentanone (MIBK)	200	172	86	45 - 145	
Acetone	200	171	85	20 - 160	
Benzene	50.0	55.1	110	75 - 125	
Bromobenzene	50.0	55.5	111	65 - 120	
Bromoform	50.0	55.2	110	55 - 135	
Bromomethane	50.0	44.7	89	30 - 160	
Carbon disulfide	50.0	55.6	111	45 - 160	
Carbon tetrachloride	50.0	57.7	115	65 - 135	
Chlorobenzene	50.0	54.9	110	75 - 125	
Chlorobromomethane	50.0	54.5	109	70 - 125	
Chlorodibromomethane	50.0	56.9	114	65 - 130	
Chloroethane	50.0	41.6	83	40 - 155	
Chloroform	50.0	54.8	110	70 - 125	
Chloromethane	50.0	50.3	101	50 - 130	
cis-1,2-Dichloroethene	50.0	53.0	106	65 - 125	
cis-1,3-Dichloropropene	50.0	55.9	112	70 - 125	
Dibromomethane	50.0	51.9	104	75 - 130	
Dichlorobromomethane	50.0	53.8	108	70 - 130	
Dichlorodifluoromethane	50.0	58.1	116	35 - 135	
Ethylbenzene	50.0	54.3	109	75 - 125	
Ethylene Dibromide	50.0	53.6	107	70 - 125	

Client: FPM Remediations Inc

Job Number: 280-54473-1

Lab Control Sample - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-222190/2-A	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1377.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	04/21/2014 1753	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	50.0	55.4	111	55 - 140	
Isopropylbenzene	50.0	56.2	112	75 - 130	
Methyl tert-butyl ether	50.0	53.5	107	67 - 119	
Methylene Chloride	50.0	54.1	108	55 - 140	
m-Xylene & p-Xylene	50.0	54.2	108	80 - 125	
Naphthalene	50.0	51.5	103	40 - 125	
n-Butylbenzene	50.0	56.0	112	65 - 140	
N-Propylbenzene	50.0	55.1	110	65 - 135	
o-Xylene	50.0	56.4	113	75 - 125	
sec-Butylbenzene	50.0	56.1	112	65 - 130	
Styrene	50.0	59.9	120	75 - 125	
tert-Butylbenzene	50.0	54.6	109	65 - 130	
Tetrachloroethene	50.0	54.9	110	65 - 140	
Toluene	50.0	54.9	110	70 - 125	
trans-1,2-Dichloroethene	50.0	54.6	109	65 - 135	
trans-1,3-Dichloropropene	50.0	54.7	109	65 - 125	
Trichloroethene	50.0	56.4	113	75 - 125	
Trichlorofluoromethane	50.0	45.2	90	25 - 185	
Vinyl chloride	50.0	47.5	95	60 - 125	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93	61 - 129
4-Bromofluorobenzene (Surr)	98	85 - 120
Dibromofluoromethane (Surr)	101	71 - 126
Toluene-d8 (Surr)	104	85 - 115

Client: FPM Remediations Inc

Job Number: 280-54473-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-54473-1	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1383.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.128 g
Analysis Date:	04/21/2014 2008			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-54473-1	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1384.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.044 g
Analysis Date:	04/21/2014 2029			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	100	101	75 - 125	19	30		
1,1,1-Trichloroethane	99	98	70 - 135	21	30		
1,1,2,2-Tetrachloroethane	93	91	55 - 130	22	30		
1,1,2-Trichloroethane	93	91	60 - 125	22	30		
1,1-Dichloroethane	100	97	75 - 125	23	30		
1,1-Dichloroethene	95	96	65 - 135	19	30		
1,1-Dichloropropene	103	102	70 - 135	21	30		
1,2,3-Trichlorobenzene	93	88	60 - 135	25	30		
1,2,3-Trichloropropane	0	95	65 - 130	200	30	U J	J
1,2,4-Trichlorobenzene	93	89	65 - 130	25	30		
1,2,4-Trimethylbenzene	99	99	65 - 135	21	30		
1,2-Dibromo-3-Chloropropane	89	90	40 - 135	19	30		
1,2-Dichlorobenzene	99	96	75 - 120	23	30		
1,2-Dichloroethane	99	98	70 - 135	21	30		
1,2-Dichloropropane	94	91	70 - 120	23	30		
1,3,5-Trimethylbenzene	101	100	65 - 135	21	30		
1,3-Dichlorobenzene	100	97	70 - 125	22	30		
1,3-Dichloropropane	91	90	75 - 125	21	30		
1,4-Dichlorobenzene	99	98	70 - 125	21	30		
2,2-Dichloropropane	99	97	65 - 135	22	30		
2-Butanone (MEK)	113	106	30 - 160	26	30		
2-Chlorotoluene	101	99	70 - 130	22	30		
2-Hexanone	92	87	45 - 145	26	30		
4-Chlorotoluene	100	99	75 - 125	21	30		
4-Isopropyltoluene	101	100	75 - 135	21	30		
4-Methyl-2-pentanone (MIBK)	97	90	45 - 145	27	30		
Acetone	95	90	20 - 160	25	30		
Benzene	99	99	75 - 125	20	30		
Bromobenzene	99	98	65 - 120	21	30		
Bromoform	97	95	55 - 135	22	30		
Bromomethane	112	99	30 - 160	32	30		J
Carbon disulfide	99	99	45 - 160	20	30		
Carbon tetrachloride	104	103	65 - 135	21	30		

Client: FPM Remediations Inc

Job Number: 280-54473-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-54473-1	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1383.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.128 g
Analysis Date:	04/21/2014 2008			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				5 mL
Leach Date:	N/A				

MSD Lab Sample ID:	280-54473-1	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-222190	Lab File ID:	J1384.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5.044 g
Analysis Date:	04/21/2014 2029			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				5 mL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	98	97	75 - 125	21	30		
Chlorobromomethane	97	96	70 - 125	21	30		
Chlorodibromomethane	102	101	65 - 130	21	30		
Chloroethane	111	99	40 - 155	31	30		J
Chloroform	99	99	70 - 125	20	30		
Chloromethane	125	113	50 - 130	29	30		
cis-1,2-Dichloroethene	97	95	65 - 125	22	30		
cis-1,3-Dichloropropene	99	98	70 - 125	21	30		
Dibromomethane	94	90	75 - 130	24	30		
Dichlorobromomethane	97	97	70 - 130	20	30		
Dichlorodifluoromethane	131	110	35 - 135	37	30		J
Ethylbenzene	98	97	75 - 125	21	30		
Ethylene Dibromide	95	92	70 - 125	23	30		
Hexachlorobutadiene	100	97	55 - 140	23	30		
Isopropylbenzene	101	100	75 - 130	21	30		
Methyl tert-butyl ether	96	96	67 - 119	21	30		
Methylene Chloride	99	99	55 - 140	20	30		
m-Xylene & p-Xylene	98	97	80 - 125	21	30		
Naphthalene	88	85	40 - 125	24	30		
n-Butylbenzene	99	98	65 - 140	22	30		
N-Propylbenzene	101	101	65 - 135	20	30		
o-Xylene	102	101	75 - 125	21	30		
sec-Butylbenzene	103	101	65 - 130	22	30		
Styrene	106	104	75 - 125	22	30		
tert-Butylbenzene	99	99	65 - 130	20	30		
Tetrachloroethene	98	100	65 - 140	19	30		
Toluene	98	97	70 - 125	22	30		
trans-1,2-Dichloroethene	99	99	65 - 135	20	30		
trans-1,3-Dichloropropene	95	94	65 - 125	21	30		
Trichloroethene	101	101	75 - 125	20	30		
Trichlorofluoromethane	116	100	25 - 185	34	30		J
Vinyl chloride	120	101	60 - 125	37	30		J

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Remediations Inc

Job Number: 280-54473-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91	85	61 - 129
4-Bromofluorobenzene (Surr)	95	92	85 - 120
Dibromofluoromethane (Surr)	98	95	71 - 126
Toluene-d8 (Surr)	101	99	85 - 115

Client: FPM Remediations Inc

Job Number: 280-54473-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-54473-1	Units:	ug/Kg	MSD Lab Sample ID:	280-54473-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/21/2014 2008			Analysis Date:	04/21/2014 2029
Prep Date:	04/21/2014 1600			Prep Date:	04/21/2014 1600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	1.3	U	74.8	61.2	74.9		61.7	
1,1,1-Trichloroethane	1.3	U	74.8	61.2	74.1		60.2	
1,1,2,2-Tetrachloroethane	1.3	U	74.8	61.2	69.4		55.9	
1,1,2-Trichloroethane	1.3	U	74.8	61.2	69.5		55.9	
1,1-Dichloroethane	1.1	U	74.8	61.2	74.5		59.1	
1,1-Dichloroethene	1.3	U	74.8	61.2	71.5		58.9	
1,1-Dichloropropene	1.3	U	74.8	61.2	76.7		62.2	
1,2,3-Trichlorobenzene	1.3	U	74.8	61.2	69.5		53.9	
1,2,3-Trichloropropane	1.3	U	74.8	61.2	1.5	U J	58.3	J
1,2,4-Trichlorobenzene	1.3	U	74.8	61.2	70.0		54.6	
1,2,4-Trimethylbenzene	1.3	U	74.8	61.2	74.4		60.6	
1,2-Dibromo-3-Chloropropane	1.3	U	74.8	61.2	66.9		55.2	
1,2-Dichlorobenzene	1.3	U	74.8	61.2	74.1		58.8	
1,2-Dichloroethane	1.3	U	74.8	61.2	74.3		60.0	
1,2-Dichloropropane	1.3	U	74.8	61.2	70.5		55.8	
1,3,5-Trimethylbenzene	1.3	U	74.8	61.2	75.7		61.4	
1,3-Dichlorobenzene	1.3	U	74.8	61.2	74.5		59.5	
1,3-Dichloropropane	1.3	U	74.8	61.2	68.2		55.1	
1,4-Dichlorobenzene	1.3	U	74.8	61.2	74.1		59.9	
2,2-Dichloropropane	1.3	U	74.8	61.2	73.9		59.3	
2-Butanone (MEK)	8.4	U	299	245	338		260	
2-Chlorotoluene	1.3	U	74.8	61.2	75.3		60.6	
2-Hexanone	13	U	299	245	277		213	
4-Chlorotoluene	1.3	U	74.8	61.2	74.8		60.3	
4-Isopropyltoluene	1.3	U	74.8	61.2	75.3		61.1	
4-Methyl-2-pentanone (MIBK)	13	U	299	245	290		221	
Acetone	10	J	299	245	295		230	
Benzene	1.3	U	74.8	61.2	74.0		60.5	
Bromobenzene	1.3	U	74.8	61.2	74.1		60.3	
Bromoform	1.1	U	74.8	61.2	72.7		58.2	
Bromomethane	1.3	U	74.8	61.2	84.0		60.6	J
Carbon disulfide	1.3	U	74.8	61.2	74.0		60.4	
Carbon tetrachloride	1.3	U	74.8	61.2	77.8		63.0	
Chlorobenzene	1.3	U	74.8	61.2	73.7		59.6	
Chlorobromomethane	1.3	U	74.8	61.2	72.7		59.0	
Chlorodibromomethane	1.3	U	74.8	61.2	76.5		61.8	
Chloroethane	1.3	U	74.8	61.2	82.8		60.5	J
Chloroform	1.3	U	74.8	61.2	74.3		60.9	
Chloromethane	1.3	U	74.8	61.2	93.3		69.4	
cis-1,2-Dichloroethene	1.3	U	74.8	61.2	72.4		58.0	
cis-1,3-Dichloropropene	2.6	U	74.8	61.2	74.3		60.3	
Dibromomethane	1.3	U	74.8	61.2	70.2		55.1	
Dichlorobromomethane	1.1	U	74.8	61.2	72.4		59.2	

Client: FPM Remediations Inc

Job Number: 280-54473-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-222190

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-54473-1	Units:	ug/Kg	MSD Lab Sample ID:	280-54473-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/21/2014 2008			Analysis Date:	04/21/2014 2029
Prep Date:	04/21/2014 1600			Prep Date:	04/21/2014 1600
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Dichlorodifluoromethane	1.3	U	74.8	61.2	98.1	67.4	J
Ethylbenzene	1.3	U	74.8	61.2	73.2	59.3	
Ethylene Dibromide	1.3	U	74.8	61.2	71.2	56.6	
Hexachlorobutadiene	1.3	U	74.8	61.2	74.8	59.3	
Isopropylbenzene	1.3	U	74.8	61.2	75.7	61.5	
Methyl tert-butyl ether	1.3	U	74.8	61.2	72.2	58.6	
Methylene Chloride	4.2	U	74.8	61.2	74.1	60.8	
m-Xylene & p-Xylene	2.6	U	74.8	61.2	73.4	59.4	
Naphthalene	1.3	U	74.8	61.2	65.9	52.0	
n-Butylbenzene	1.3	U	74.8	61.2	74.2	59.7	
N-Propylbenzene	1.3	U	74.8	61.2	75.4	61.7	
o-Xylene	1.3	U	74.8	61.2	76.5	62.0	
sec-Butylbenzene	1.3	U	74.8	61.2	77.1	61.9	
Styrene	1.3	U	74.8	61.2	79.5	63.7	
tert-Butylbenzene	1.3	U	74.8	61.2	74.3	60.6	
Tetrachloroethene	1.3	U	74.8	61.2	73.6	61.1	
Toluene	1.3	U	74.8	61.2	73.5	59.1	
trans-1,2-Dichloroethene	1.3	U	74.8	61.2	74.2	60.7	
trans-1,3-Dichloropropene	1.3	U	74.8	61.2	71.0	57.3	
Trichloroethene	1.1	U	74.8	61.2	75.7	62.0	
Trichlorofluoromethane	2.6	U	74.8	61.2	86.5	61.1	J
Vinyl chloride	2.6	U	74.8	61.2	89.9	61.8	J

Method Blank - Batch: 280-222940

Method: 8260C
Preparation: 5030B

Lab Sample ID:	MB 280-222940/8	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_0021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 1948	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 1948				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	0.40	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.40	U	0.16	1.0
1,1-Dichloroethene	0.40	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.40	U	0.13	1.0
1,2-Dichloropropane	0.40	U	0.13	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.40	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.40	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0

Client: FPM Remediations Inc

Job Number: 280-54473-1

Method Blank - Batch: 280-222940

Method: 8260C
Preparation: 5030B

Lab Sample ID:	MB 280-222940/8	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_0021.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 1948	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 1948				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dibromomethane	0.40	U	0.17	1.0
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.40	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.80	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.40	U	0.10	1.5

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	70 - 120
4-Bromofluorobenzene (Surr)	104	75 - 120
Dibromofluoromethane (Surr)	99	85 - 115
Toluene-d8 (Surr)	99	85 - 120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-222940

Method: 8260C
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-222940/6	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_0019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 1908	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 1908				20 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-222940/7	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_0020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 1928	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 1928				20 mL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
1,1,1,2-Tetrachloroethane	110	112	80 - 130	2	30		
1,1,1-Trichloroethane	112	114	65 - 130	1	30		
1,1,2,2-Tetrachloroethane	104	111	65 - 130	6	30		
1,1,2-Trichloroethane	101	111	75 - 125	9	30		
1,1-Dichloroethane	111	115	70 - 135	3	30		
1,1-Dichloroethene	104	108	70 - 130	3	30		
1,1-Dichloropropene	114	116	75 - 130	1	30		
1,2,3-Trichlorobenzene	104	112	55 - 140	7	30		
1,2,3-Trichloropropane	112	123	75 - 125	9	30		
1,2,4-Trichlorobenzene	105	113	65 - 135	7	30		
1,2,4-Trimethylbenzene	110	111	75 - 130	1	30		
1,2-Dibromo-3-Chloropropane	98	109	50 - 130	11	30	J	
1,2-Dichlorobenzene	107	109	70 - 120	2	30		
1,2-Dichloroethane	110	115	70 - 130	4	30		
1,2-Dichloropropane	102	107	75 - 125	4	30		
1,3,5-Trimethylbenzene	111	111	75 - 130	0	30		
1,3-Dichlorobenzene	107	109	75 - 125	2	30		
1,3-Dichloropropane	103	109	75 - 125	6	30		
1,4-Dichlorobenzene	106	107	75 - 125	1	30		
2,2-Dichloropropane	119	121	70 - 135	1	30		
2-Butanone (MEK)	84	111	30 - 150	28	30		
2-Chlorotoluene	108	112	75 - 125	3	30		
2-Hexanone	76	107	55 - 130	34	30		Q
4-Chlorotoluene	109	109	75 - 130	0	30		
4-Isopropyltoluene	111	111	75 - 130	0	30		
4-Methyl-2-pentanone (MIBK)	74	106	60 - 135	36	30		Q
Acetone	91	121	40 - 140	28	30		
Benzene	99	102	80 - 120	3	30		
Bromobenzene	105	107	75 - 125	3	30		
Bromoform	107	114	70 - 130	6	30		
Bromomethane	73	98	30 - 145	29	30		
Carbon disulfide	108	112	35 - 160	3	30		
Carbon tetrachloride	117	119	65 - 140	1	30		
Chlorobenzene	104	106	80 - 120	2	30		
Chlorobromomethane	103	108	65 - 130	5	30		
Chlorodibromomethane	112	114	60 - 135	2	30		

Client: FPM Remediations Inc

Job Number: 280-54473-1

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-222940

Method: 8260C
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-222940/6	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_0019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 1908	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 1908				20 mL
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-222940/7	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	G2_0020.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 1928	Units:	ug/L	Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 1928				20 mL
Leach Date:	N/A				

	% Rec.					
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Chloroethane	75	100	60 - 135	29	30		
Chloroform	106	108	65 - 135	2	30		
Chloromethane	79	106	40 - 125	29	30		
cis-1,2-Dichloroethene	103	106	70 - 125	3	30		
cis-1,3-Dichloropropene	108	110	70 - 130	1	30		
Dibromomethane	104	111	75 - 125	6	30		
Dichlorobromomethane	106	108	75 - 120	2	30		
Dichlorodifluoromethane	81	106	30 - 155	26	30		
Ethylbenzene	103	106	75 - 125	3	30		
Ethylene Dibromide	101	107	80 - 120	6	30		
Hexachlorobutadiene	108	110	50 - 140	2	30		
Isopropylbenzene	111	110	75 - 125	1	30		
Methyl tert-butyl ether	104	114	65 - 125	9	30		
Methylene Chloride	102	112	55 - 140	10	30		
m-Xylene & p-Xylene	105	105	75 - 130	0	30		
Naphthalene	97	106	55 - 140	9	30		
n-Butylbenzene	110	111	70 - 135	1	30		
N-Propylbenzene	108	106	70 - 130	2	30		
o-Xylene	107	108	80 - 120	1	30		
sec-Butylbenzene	111	109	70 - 125	2	30		
Styrene	108	109	65 - 135	1	30		
tert-Butylbenzene	110	110	70 - 130	0	30		
Tetrachloroethene	105	104	45 - 150	1	30		
Toluene	105	109	75 - 120	3	30		
trans-1,2-Dichloroethene	106	108	60 - 140	2	30		
trans-1,3-Dichloropropene	113	118	55 - 140	4	30		
Trichloroethene	106	105	70 - 125	0	30		
Trichlorofluoromethane	80	105	60 - 145	28	30		
Vinyl chloride	78	105	50 - 145	30	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	98	108	70 - 120
4-Bromofluorobenzene (Surr)	97	105	75 - 120
Dibromofluoromethane (Surr)	95	104	85 - 115
Toluene-d8 (Surr)	98	102	85 - 120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-222940

Method: 8260C
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-222940/6	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-222940/7
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/25/2014 1908			Analysis Date:	04/25/2014 1928
Prep Date:	04/25/2014 1908			Prep Date:	04/25/2014 1928
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual		LCSD Result/Qual	
1,1,1,2-Tetrachloroethane	5.00	5.00	5.49		5.59	
1,1,1-Trichloroethane	5.00	5.00	5.60		5.68	
1,1,2,2-Tetrachloroethane	5.00	5.00	5.22		5.56	
1,1,2-Trichloroethane	5.00	5.00	5.07		5.57	
1,1-Dichloroethane	5.00	5.00	5.57		5.73	
1,1-Dichloroethene	5.00	5.00	5.21		5.38	
1,1-Dichloropropene	5.00	5.00	5.72		5.79	
1,2,3-Trichlorobenzene	5.00	5.00	5.22		5.60	
1,2,3-Trichloropropane	5.00	5.00	5.59		6.13	
1,2,4-Trichlorobenzene	5.00	5.00	5.26		5.63	
1,2,4-Trimethylbenzene	5.00	5.00	5.52		5.57	
1,2-Dibromo-3-Chloropropane	5.00	5.00	4.88	J	5.45	
1,2-Dichlorobenzene	5.00	5.00	5.33		5.46	
1,2-Dichloroethane	5.00	5.00	5.51		5.74	
1,2-Dichloropropane	5.00	5.00	5.12		5.36	
1,3,5-Trimethylbenzene	5.00	5.00	5.53		5.53	
1,3-Dichlorobenzene	5.00	5.00	5.34		5.44	
1,3-Dichloropropane	5.00	5.00	5.15		5.44	
1,4-Dichlorobenzene	5.00	5.00	5.30		5.35	
2,2-Dichloropropane	5.00	5.00	5.95		6.04	
2-Butanone (MEK)	20.0	20.0	16.7		22.2	
2-Chlorotoluene	5.00	5.00	5.40		5.58	
2-Hexanone	20.0	20.0	15.3		21.4	Q
4-Chlorotoluene	5.00	5.00	5.44		5.46	
4-Isopropyltoluene	5.00	5.00	5.56		5.57	
4-Methyl-2-pentanone (MIBK)	20.0	20.0	14.8		21.2	Q
Acetone	20.0	20.0	18.2		24.2	
Benzene	5.00	5.00	4.95		5.12	
Bromobenzene	5.00	5.00	5.24		5.37	
Bromoform	5.00	5.00	5.34		5.69	
Bromomethane	5.00	5.00	3.66		4.89	
Carbon disulfide	5.00	5.00	5.42		5.61	
Carbon tetrachloride	5.00	5.00	5.86		5.94	
Chlorobenzene	5.00	5.00	5.19		5.30	
Chlorobromomethane	5.00	5.00	5.14		5.41	
Chlorodibromomethane	5.00	5.00	5.59		5.68	
Chloroethane	5.00	5.00	3.76		5.02	
Chloroform	5.00	5.00	5.31		5.41	
Chloromethane	5.00	5.00	3.93		5.29	

Client: FPM Remediations Inc

Job Number: 280-54473-1

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-222940

Method: 8260C
Preparation: 5030B

LCS Lab Sample ID:	LCS 280-222940/6	Units:	ug/L	LCSD Lab Sample ID:	LCSD 280-222940/7
Client Matrix:	Water			Client Matrix:	Water
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/25/2014 1908			Analysis Date:	04/25/2014 1928
Prep Date:	04/25/2014 1908			Prep Date:	04/25/2014 1928
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
cis-1,2-Dichloroethene	5.00	5.00	5.14	5.29
cis-1,3-Dichloropropene	5.00	5.00	5.42	5.50
Dibromomethane	5.00	5.00	5.19	5.53
Dichlorobromomethane	5.00	5.00	5.30	5.40
Dichlorodifluoromethane	5.00	5.00	4.06	5.30
Ethylbenzene	5.00	5.00	5.14	5.28
Ethylene Dibromide	5.00	5.00	5.07	5.37
Hexachlorobutadiene	5.00	5.00	5.41	5.51
Isopropylbenzene	5.00	5.00	5.56	5.52
Methyl tert-butyl ether	5.00	5.00	5.18	5.68
Methylene Chloride	5.00	5.00	5.10	5.61
m-Xylene & p-Xylene	5.00	5.00	5.24	5.26
Naphthalene	5.00	5.00	4.86	5.31
n-Butylbenzene	5.00	5.00	5.51	5.55
N-Propylbenzene	5.00	5.00	5.41	5.29
o-Xylene	5.00	5.00	5.35	5.38
sec-Butylbenzene	5.00	5.00	5.53	5.45
Styrene	5.00	5.00	5.42	5.46
tert-Butylbenzene	5.00	5.00	5.48	5.49
Tetrachloroethene	5.00	5.00	5.25	5.21
Toluene	5.00	5.00	5.27	5.43
trans-1,2-Dichloroethene	5.00	5.00	5.30	5.42
trans-1,3-Dichloropropene	5.00	5.00	5.65	5.88
Trichloroethene	5.00	5.00	5.28	5.27
Trichlorofluoromethane	5.00	5.00	3.98	5.26
Vinyl chloride	5.00	5.00	3.92	5.27

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-54473-1

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-54473-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-222190					
LCS 280-222190/2-A	Lab Control Sample	T	Solid	5030B	
MB 280-222190/1-A	Method Blank	T	Solid	5030B	
280-54473-1	AOI72BT0106AA	T	Solid	5030B	
280-54473-1MS	Matrix Spike	T	Solid	5030B	
280-54473-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
280-54473-2	AOI72BT0206AA	T	Solid	5030B	
Analysis Batch:280-222203					
LCS 280-222190/2-A	Lab Control Sample	T	Solid	8260B/DoD	280-222190
MB 280-222190/1-A	Method Blank	T	Solid	8260B/DoD	280-222190
280-54473-1	AOI72BT0106AA	T	Solid	8260B/DoD	280-222190
280-54473-1MS	Matrix Spike	T	Solid	8260B/DoD	280-222190
280-54473-1MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	280-222190
280-54473-2	AOI72BT0206AA	T	Solid	8260B/DoD	280-222190
Analysis Batch:280-222940					
LCS 280-222940/6	Lab Control Sample	T	Water	8260C	
LCSD 280-222940/7	Lab Control Sample Duplicate	T	Water	8260C	
MB 280-222940/8	Method Blank	T	Water	8260C	
280-54473-3	041614AE	T	Water	8260C	
280-54473-4	041614AF	T	Water	8260C	
280-54473-5	041614AR	T	Water	8260C	

Report Basis
T = Total

General Chemistry

Analysis Batch:280-223219					
280-54473-1	AOI72BT0106AA	T	Solid	Moisture	
280-54473-2	AOI72BT0206AA	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Remediations Inc Job Number: 280-54473-1

Laboratory Chronicle

Lab ID: 280-54473-1 **Client ID: AOI72BT0106AA**

Sample Date/Time: 04/16/2014 09:45 Received Date/Time: 04/18/2014 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-54473-A-1-A		280-222203	280-222190	04/21/2014 16:00	1	TAL DEN	ADD
A:8260B/DoD	280-54473-A-1-A		280-222203	280-222190	04/21/2014 19:47	1	TAL DEN	ADD
A:Moisture	280-54473-A-1		280-223219		04/28/2014 13:27	1	TAL DEN	AMP

Lab ID: 280-54473-1 MS **Client ID: AOI72BT0106AA**

Sample Date/Time: 04/16/2014 09:45 Received Date/Time: 04/18/2014 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-54473-A-1-B MS		280-222203	280-222190	04/21/2014 16:00	1	TAL DEN	ADD
A:8260B/DoD	280-54473-A-1-B MS		280-222203	280-222190	04/21/2014 20:08	1	TAL DEN	ADD

Lab ID: 280-54473-1 MSD **Client ID: AOI72BT0106AA**

Sample Date/Time: 04/16/2014 09:45 Received Date/Time: 04/18/2014 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-54473-A-1-C MSD		280-222203	280-222190	04/21/2014 16:00	1	TAL DEN	ADD
A:8260B/DoD	280-54473-A-1-C MSD		280-222203	280-222190	04/21/2014 20:29	1	TAL DEN	ADD

Lab ID: 280-54473-2 **Client ID: AOI72BT0206AA**

Sample Date/Time: 04/16/2014 08:10 Received Date/Time: 04/18/2014 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-54473-A-2-A		280-222203	280-222190	04/21/2014 16:00	1	TAL DEN	ADD
A:8260B/DoD	280-54473-A-2-A		280-222203	280-222190	04/21/2014 20:50	1	TAL DEN	ADD
A:Moisture	280-54473-A-2		280-223219		04/28/2014 13:27	1	TAL DEN	AMP

Lab ID: 280-54473-3 **Client ID: 041614AE**

Sample Date/Time: 04/16/2014 06:55 Received Date/Time: 04/18/2014 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-54473-A-3		280-222940		04/25/2014 21:09	1	TAL DEN	ADD
A:8260C	280-54473-A-3		280-222940		04/25/2014 21:09	1	TAL DEN	ADD

Client: FPM Remediations Inc

Job Number: 280-54473-1

Laboratory Chronicle

Lab ID: 280-54473-4 **Client ID:** 041614AF

Sample Date/Time: 04/16/2014 09:50 Received Date/Time: 04/18/2014 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-54473-B-4		280-222940		04/25/2014 21:29	1	TAL DEN	ADD
A:8260C	280-54473-B-4		280-222940		04/25/2014 21:29	1	TAL DEN	ADD

Lab ID: 280-54473-5 **Client ID:** 041614AR

Sample Date/Time: 04/16/2014 06:45 Received Date/Time: 04/18/2014 10:00

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-54473-A-5		280-222940		04/25/2014 21:49	1	TAL DEN	ADD
A:8260C	280-54473-A-5		280-222940		04/25/2014 21:49	1	TAL DEN	ADD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-222190/1-A		280-222203	280-222190	04/21/2014 16:00	1	TAL DEN	ADD
A:8260B/DoD	MB 280-222190/1-A		280-222203	280-222190	04/21/2014 18:14	1	TAL DEN	ADD
P:5030B	MB 280-222940/8		280-222940		04/25/2014 19:48	1	TAL DEN	ADD
A:8260C	MB 280-222940/8		280-222940		04/25/2014 19:48	1	TAL DEN	ADD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-222190/2-A		280-222203	280-222190	04/21/2014 16:00	1	TAL DEN	ADD
A:8260B/DoD	LCS 280-222190/2-A		280-222203	280-222190	04/21/2014 17:53	1	TAL DEN	ADD
P:5030B	LCS 280-222940/6		280-222940		04/25/2014 19:08	1	TAL DEN	ADD
A:8260C	LCS 280-222940/6		280-222940		04/25/2014 19:08	1	TAL DEN	ADD

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCSD 280-222940/7		280-222940		04/25/2014 19:28	1	TAL DEN	ADD
A:8260C	LCSD 280-222940/7		280-222940		04/25/2014 19:28	1	TAL DEN	ADD

Lab References:
TAL DEN = TestAmerica Denver

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Freon_A_00003	07/27/14	01/27/14	P&T Methanol, Lot 49909	25 mL	MV-568037_00008	1000 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
.MV-568037_00008	04/30/16		Restek, Lot A094928		(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	1000 ug/mL
MV-2 Cleve_00016	04/15/14	10/15/13	P&T Methanol, Lot 49909	25 mL	MV-861206_00021	500 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-861206_00021	05/31/14		Supelco, Lot LB85080		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-2 Cleve_00017	08/26/14	02/26/14	P&T Methanol, Lot 49909	50 mL	MV-567643_00005	1000 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-567643_00005	12/31/15		RESTEK, Lot A092294		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-567649-D_00001	02/28/18		RESTEK, Lot A093504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
MV-ARCH SS A_00017	07/16/14	01/16/14	P&T Methanol, Lot 49909	125 mL	MV-567650_00016	12.5 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MV-567650_00016	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MV-ARCH SS A_00021	09/25/14	03/25/14	P&T Methanol, Lot 49909	100 mL	MV-567650_00017	10 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MV-567650_00017	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MV-ARCH SS A_00022	10/15/14	04/15/14	P&T Methanol, Lot 49909	100 mL	MV-567650_00018	10 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MV-567650_00018	01/31/19		Restek, Lot A0100424		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
mv-cyclohex_00001	08/27/14	02/27/14	Methanol, Lot 49909	10 mL	MV-567648_00021	800 uL	Cyclohexanone	1600 ug/mL
.MV-567648_00021	02/29/16		RESTEK, Lot A093361		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
MV-Gas/Ket A_00021	05/31/14	02/27/14	P&T Methanol, Lot 49909	10 mL	MV-567642_00015	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567644_00025	800 uL	Acrolein	400 ug/mL
					MV-567645_00014	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-567642_00015	02/29/16		RESTEK, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567644_00025	05/31/14		RESTEK, Lot A0100485		(Purchased Reagent)		Acrolein	5000 ug/mL
.MV-567645_00014	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-Gas/Ket A_00022	09/28/14	03/28/14	P&T Methanol, Lot 49909	10 mL	MV-567642_00014	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567645_00015	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-567648_00021	800 uL	Cyclohexanone	1600 ug/mL
.MV-567642_00014	02/29/16		RESTEK, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645_00015	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-567648_00021	02/29/16		RESTEK, Lot A093361		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
MV-Gas/Ket A_00023	10/16/14	04/16/14	P&T Methanol, Lot 49909	10 mL	MV-567642_00015	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567645_00015	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-567642_00015	02/29/16		RESTEK, Lot A093365		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645_00015	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-Gas/Ket B_00011	05/31/14	02/14/14	P&T Methanol, Lot DJ543	10 mL	MV-567642.sec_00014	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567645.sec_00010	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-567642.sec_00014	02/28/16		RESTEK, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645.sec_00010	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-Gas/Ket B_00012	09/28/14	03/28/14	P&T Methanol, Lot 49909	10 mL	MV-567642.sec_00014	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567645.sec_00015	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-567642.sec_00014	02/28/16		RESTEK, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	10000 ug/mL
.MV-567645.sec_00015	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-Gas/Ket B_00013	10/17/14	04/17/14	P&T Methanol, Lot 49909	10 mL	MV-567642.sec_00014	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567645.sec_00016	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-567642.sec_00014	02/28/16		RESTEK, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645.sec_00016	11/30/15		RESTEK, Lot A099261		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-Main A_00015	05/14/14	01/03/14	P&T Methanol, Lot 49909	25 mL	MV-567641_00013	500 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							2-Methyl-2-propanol	400 ug/mL
							3-Chloro-1-propene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Acrylonitrile	400 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexane	40 ug/mL
							Iodomethane	40 ug/mL
							Isobutyl alcohol	400 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Tetrahydrofuran	80 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							trans-1,3-Dichloropropene	40 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-567646.sec_00011	500 uL	Vinyl acetate	80 ug/mL
					MV-568034_00007	1000 uL	1-Chlorohexane	40 ug/mL
							2-Pentanone	160 ug/mL
							sec-Butyl Alcohol	1200 ug/mL
.MV-567641_00013	12/31/15	RESTEK, Lot A092262			(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	20000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-567646.sec_00011	02/28/14		RESTEK, Lot A098982		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
.MV-568034_00007	05/14/14		RESTEK, Lot A094874		(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
							2-Pentanone	4000 ug/mL
							sec-Butyl Alcohol	30000 ug/mL
MV-Main A_00016	05/14/14	03/26/14	P&T Methanol, Lot 49909	25 mL	MV-567641_00009	500 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							2-Methyl-2-propanol	400 ug/mL
							3-Chloro-1-propene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Acrylonitrile	400 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexane	40 ug/mL
							Iodomethane	40 ug/mL
							Isobutyl alcohol	400 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Tetrahydrofuran	80 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-567646_00014	500 uL	Vinyl acetate	80 ug/mL
					MV-568034_00002	1000 uL	1-Chlorohexane	40 ug/mL
							2-Pentanone	160 ug/mL
							sec-Butyl Alcohol	1200 ug/mL
					MV-568720_00001	505 uL	Acrolein	398.95 ug/mL
.MV-567641_00009	12/31/15		RESTEK, Lot A092262		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	20000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-567646_00014	05/31/14		RESTEK, Lot A099480		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
.MV-568034_00002	05/14/14		RESTEK, Lot A094874		(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
							2-Pentanone	4000 ug/mL
							sec-Butyl Alcohol	30000 ug/mL
.MV-568720_00001	06/30/14		RESTEK, Lot A0101387		(Purchased Reagent)		Acrolein	19750 ug/mL
MV-Main B_00005	03/28/14	11/26/13	P&T Methanol, Lot 49909	20 mL	MV-567641.sec_00004	400 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-568034.sec_00005	800 uL	1-Chlorohexane	40 ug/mL
.MV-567641.sec_00004	02/29/16		RESTEK, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-568034.sec_00005	10/31/14	RESTEK, Lot A094981.sec			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
MV-Main B_00006	06/30/14	03/26/14	P&T Methanol, Lot 49909	25 mL	MV-567641.sec_00001	500 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-568034.sec_00008	1000 uL	1-Chlorohexane	40 ug/mL
.MV-567641.sec_00001	02/29/16		RESTEK, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Trichloroethene	2000 ug/mL
.MV-568034.sec_00008	10/31/14	RESTEK, Lot A094981.sec			(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
MV-Supp A_00005	03/21/14	09/21/13	P&T Methanol, Lot 49909	10 mL	MV-567647_00011	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
							2-Nitropropane	80 ug/mL
							Acetonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Ethyl acetate	80 ug/mL
							Isopropyl alcohol	400 ug/mL
							Isopropyl ether	40 ug/mL
							Methacrylonitrile	400 ug/mL
							Methyl methacrylate	80 ug/mL
							Propionitrile	400 ug/mL
							Tert-amyl methyl ether	40 ug/mL
							Tert-butyl ethyl ether	40 ug/mL
					MV-568035_00005	400 uL	Propene oxide	2000 ug/mL
					MV-568035_00006	400 uL	Propene oxide	2000 ug/mL
					MV-568036_00006	400 uL	cis-1,4-Dichloro-2-butene	40 ug/mL
.MV-567647_00011	08/30/14	RESTEK, Lot A093634			(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Ethyl acetate	4000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.MV-568035_00005	04/30/14	RESTEK, Lot A094880			(Purchased Reagent)		Propene oxide	25000 ug/mL
.MV-568035_00006	04/30/14	RESTEK, Lot A094880			(Purchased Reagent)		Propene oxide	25000 ug/mL
.MV-568036_00006	10/31/14	RESTEk, Lot A094886			(Purchased Reagent)		cis-1,4-Dichloro-2-butene	1000 ug/mL
MV-Supp A_00006	07/24/14	01/24/14	P&T Methanol, Lot 49909	10 mL	mv-21612606_00001	2000 uL	Propene oxide	2000 ug/mL
					MV-567647_00009	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
							2-Nitropropane	80 ug/mL
							Acetonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Ethyl acetate	80 ug/mL
							Isopropyl alcohol	400 ug/mL
							Isopropyl ether	40 ug/mL
							Methacrylonitrile	400 ug/mL
							Methyl methacrylate	80 ug/mL
							Propionitrile	400 ug/mL
							Tert-amyl methyl ether	40 ug/mL
							Tert-butyl ethyl ether	40 ug/mL
					MV-568036_00005	400 uL	cis-1,4-Dichloro-2-butene	40 ug/mL
.mv-21612606_00001	12/09/15	Supelco, Lot LC04813			(Purchased Reagent)		Propene oxide	10000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MV-567647_00009	08/30/14		RESTEK, Lot A093634		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL
							Ethyl acetate	4000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.MV-568036_00005	10/31/14		RESTEk, Lot A094886		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	1000 ug/mL

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB AOI 72

TestAmerica Job ID: 280-54473-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Denver	A2LA	DoD ELAP		2907.01
TestAmerica Denver	A2LA	ISO/IEC 17025		2907.01
TestAmerica Denver	Alaska (UST)	State Program	10	UST-30
TestAmerica Denver	Arizona	State Program	9	AZ0713
TestAmerica Denver	Arkansas DEQ	State Program	6	88-0687
TestAmerica Denver	California	State Program	9	2513
TestAmerica Denver	Colorado	State Program	8	N/A
TestAmerica Denver	Connecticut	State Program	1	PH-0686
TestAmerica Denver	Florida	NELAP	4	E87667
TestAmerica Denver	Georgia	State Program	4	N/A
TestAmerica Denver	Illinois	NELAP	5	200017
TestAmerica Denver	Iowa	State Program	7	370
TestAmerica Denver	Kansas	NELAP	7	E-10166
TestAmerica Denver	Louisiana	NELAP	6	02096
TestAmerica Denver	Maine	State Program	1	CO0002
TestAmerica Denver	Minnesota	NELAP	5	8-999-405
TestAmerica Denver	Nevada	State Program	9	CO0026
TestAmerica Denver	New Hampshire	NELAP	1	205310
TestAmerica Denver	New Jersey	NELAP	2	CO004
TestAmerica Denver	New Mexico	State Program	6	CO00026
TestAmerica Denver	New York	NELAP	2	11964
TestAmerica Denver	North Carolina DENR	State Program	4	358
TestAmerica Denver	North Dakota	State Program	8	R-034
TestAmerica Denver	Oklahoma	State Program	6	8614
TestAmerica Denver	Oregon	NELAP	10	4025
TestAmerica Denver	Pennsylvania	NELAP	3	68-00664
TestAmerica Denver	South Carolina	State Program	4	72002001
TestAmerica Denver	Texas	NELAP	6	T104704183-13-8
TestAmerica Denver	USDA	Federal		P330-13-00202
TestAmerica Denver	Utah	NELAP	8	CO00026
TestAmerica Denver	Virginia	NELAP	3	460232
TestAmerica Denver	Washington	State Program	10	C583
TestAmerica Denver	West Virginia DEP	State Program	3	354
TestAmerica Denver	Wisconsin	State Program	5	999615430
TestAmerica Denver	Wyoming (UST)	A2LA	8	2907.01

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

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 (75.5 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
AOI72BT0106AA	280-54473-1	94	86	101	99
AOI72BT0206AA	280-54473-2	96	89	106	102
	MB 280-222190/1-A	95	91	103	99
	LCS 280-222190/2-A	101	93	104	98
AOI72BT0106AA MS	280-54473-1 MS	98	91	101	95
AOI72BT0106AA MSD	280-54473-1 MSD	95	85	99	92

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): DB-624 (60.2 ID: 0.25 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
041614AE	280-54473-3	90	91	92	94
041614AF	280-54473-4	100	105	102	106
041614AR	280-54473-5	90	94	90	92
	MB 280-222940/8	99	105	99	104
	LCS 280-222940/6	95	98	98	97
	LCSD 280-222940/7	104	108	102	105

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	85-115
DCA = 1,2-Dichloroethane-d4 (Surr)	70-120
TOL = Toluene-d8 (Surr)	85-120
BFB = 4-Bromofluorobenzene (Surr)	75-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J1377.D

Lab ID: LCS 280-222190/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	55.0	110	75-125	
1,1,1-Trichloroethane	50.0	54.3	109	70-135	
1,1,2,2-Tetrachloroethane	50.0	51.8	104	55-130	
1,1,2-Trichloroethane	50.0	52.4	105	60-125	
1,1-Dichloroethane	50.0	54.8	110	75-125	
1,1-Dichloroethene	50.0	54.0	108	65-135	
1,1-Dichloropropene	50.0	56.8	114	70-135	
1,2,3-Trichlorobenzene	50.0	55.5	111	60-135	
1,2,3-Trichloropropane	50.0	52.9	106	65-130	M
1,2,4-Trichlorobenzene	50.0	56.3	113	65-130	
1,2,4-Trimethylbenzene	50.0	54.3	109	65-135	
1,2-Dibromo-3-Chloropropane	50.0	53.1	106	40-135	
1,2-Dichlorobenzene	50.0	55.1	110	75-120	
1,2-Dichloroethane	50.0	55.1	110	70-135	
1,2-Dichloropropane	50.0	52.4	105	70-120	
1,3,5-Trimethylbenzene	50.0	55.5	111	65-135	
1,3-Dichlorobenzene	50.0	55.1	110	70-125	
1,3-Dichloropropane	50.0	51.0	102	75-125	
1,4-Dichlorobenzene	50.0	55.8	112	70-125	
2,2-Dichloropropane	50.0	55.9	112	65-135	
2-Butanone (MEK)	200	212	106	30-160	
2-Chlorotoluene	50.0	55.7	111	70-130	
2-Hexanone	200	167	83	45-145	
4-Chlorotoluene	50.0	55.9	112	75-125	
4-Isopropyltoluene	50.0	56.1	112	75-135	
4-Methyl-2-pentanone (MIBK)	200	172	86	45-145	
Acetone	200	171	85	20-160	
Benzene	50.0	55.1	110	75-125	
Bromobenzene	50.0	55.5	111	65-120	
Bromoform	50.0	55.2	110	55-135	
Bromomethane	50.0	44.7	89	30-160	
Carbon disulfide	50.0	55.6	111	45-160	
Carbon tetrachloride	50.0	57.7	115	65-135	
Chlorobenzene	50.0	54.9	110	75-125	
Chlorobromomethane	50.0	54.5	109	70-125	
Chlorodibromomethane	50.0	56.9	114	65-130	
Chloroethane	50.0	41.6	83	40-155	
Chloroform	50.0	54.8	110	70-125	
Chloromethane	50.0	50.3	101	50-130	
cis-1,2-Dichloroethene	50.0	53.0	106	65-125	
cis-1,3-Dichloropropene	50.0	55.9	112	70-125	
Dibromomethane	50.0	51.9	104	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J1377.D

Lab ID: LCS 280-222190/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	50.0	53.8	108	70-130	
Dichlorodifluoromethane	50.0	58.1	116	35-135	
Ethylbenzene	50.0	54.3	109	75-125	
Ethylene Dibromide	50.0	53.6	107	70-125	
Hexachlorobutadiene	50.0	55.4	111	55-140	
Isopropylbenzene	50.0	56.2	112	75-130	
Methyl tert-butyl ether	50.0	53.5	107	67-119	
Methylene Chloride	50.0	54.1	108	55-140	
m-Xylene & p-Xylene	50.0	54.2	108	80-125	
Naphthalene	50.0	51.5	103	40-125	
n-Butylbenzene	50.0	56.0	112	65-140	
N-Propylbenzene	50.0	55.1	110	65-135	
o-Xylene	50.0	56.4	113	75-125	
sec-Butylbenzene	50.0	56.1	112	65-130	
Styrene	50.0	59.9	120	75-125	
tert-Butylbenzene	50.0	54.6	109	65-130	
Tetrachloroethene	50.0	54.9	110	65-140	
Toluene	50.0	54.9	110	70-125	
trans-1,2-Dichloroethene	50.0	54.6	109	65-135	
trans-1,3-Dichloropropene	50.0	54.7	109	65-125	
Trichloroethene	50.0	56.4	113	75-125	
Trichlorofluoromethane	50.0	45.2	90	25-185	
Vinyl chloride	50.0	47.5	95	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J1383.D

Lab ID: 280-54473-1 MS Client ID: AOI72BT0106AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	74.8	1.3 U	74.9	100	75-125	
1,1,1-Trichloroethane	74.8	1.3 U	74.1	99	70-135	
1,1,2,2-Tetrachloroethane	74.8	1.3 U	69.4	93	55-130	
1,1,2-Trichloroethane	74.8	1.3 U	69.5	93	60-125	
1,1-Dichloroethane	74.8	1.1 U	74.5	100	75-125	
1,1-Dichloroethene	74.8	1.3 U	71.5	95	65-135	
1,1-Dichloropropene	74.8	1.3 U	76.7	103	70-135	
1,2,3-Trichlorobenzene	74.8	1.3 U	69.5	93	60-135	
1,2,3-Trichloropropane	74.8	1.3 U	1.5 U	0	65-130	J
1,2,4-Trichlorobenzene	74.8	1.3 U	70.0	93	65-130	
1,2,4-Trimethylbenzene	74.8	1.3 U	74.4	99	65-135	
1,2-Dibromo-3-Chloropropane	74.8	1.3 U	66.9	89	40-135	
1,2-Dichlorobenzene	74.8	1.3 U	74.1	99	75-120	
1,2-Dichloroethane	74.8	1.3 U	74.3	99	70-135	
1,2-Dichloropropane	74.8	1.3 U	70.5	94	70-120	
1,3,5-Trimethylbenzene	74.8	1.3 U	75.7	101	65-135	
1,3-Dichlorobenzene	74.8	1.3 U	74.5	100	70-125	
1,3-Dichloropropane	74.8	1.3 U	68.2	91	75-125	
1,4-Dichlorobenzene	74.8	1.3 U	74.1	99	70-125	
2,2-Dichloropropane	74.8	1.3 U	73.9	99	65-135	
2-Butanone (MEK)	299	8.4 U	338	113	30-160	
2-Chlorotoluene	74.8	1.3 U	75.3	101	70-130	
2-Hexanone	299	13 U	277	92	45-145	
4-Chlorotoluene	74.8	1.3 U	74.8	100	75-125	
4-Isopropyltoluene	74.8	1.3 U	75.3	101	75-135	
4-Methyl-2-pentanone (MIBK)	299	13 U	290	97	45-145	
Acetone	299	10 J	295	95	20-160	
Benzene	74.8	1.3 U	74.0	99	75-125	
Bromobenzene	74.8	1.3 U	74.1	99	65-120	
Bromoform	74.8	1.1 U	72.7	97	55-135	
Bromomethane	74.8	1.3 U	84.0	112	30-160	
Carbon disulfide	74.8	1.3 U	74.0	99	45-160	
Carbon tetrachloride	74.8	1.3 U	77.8	104	65-135	
Chlorobenzene	74.8	1.3 U	73.7	98	75-125	
Chlorobromomethane	74.8	1.3 U	72.7	97	70-125	
Chlorodibromomethane	74.8	1.3 U	76.5	102	65-130	
Chloroethane	74.8	1.3 U	82.8	111	40-155	
Chloroform	74.8	1.3 U	74.3	99	70-125	
Chloromethane	74.8	1.3 U	93.3	125	50-130	
cis-1,2-Dichloroethene	74.8	1.3 U	72.4	97	65-125	
cis-1,3-Dichloropropene	74.8	2.6 U	74.3	99	70-125	
Dibromomethane	74.8	1.3 U	70.2	94	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J1383.D

Lab ID: 280-54473-1 MS Client ID: AOI72BT0106AA MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorobromomethane	74.8	1.1 U	72.4	97	70-130	
Dichlorodifluoromethane	74.8	1.3 U	98.1	131	35-135	
Ethylbenzene	74.8	1.3 U	73.2	98	75-125	
Ethylene Dibromide	74.8	1.3 U	71.2	95	70-125	
Hexachlorobutadiene	74.8	1.3 U	74.8	100	55-140	
Isopropylbenzene	74.8	1.3 U	75.7	101	75-130	
Methyl tert-butyl ether	74.8	1.3 U	72.2	96	67-119	
Methylene Chloride	74.8	4.2 U	74.1	99	55-140	
m-Xylene & p-Xylene	74.8	2.6 U	73.4	98	80-125	
Naphthalene	74.8	1.3 U	65.9	88	40-125	
n-Butylbenzene	74.8	1.3 U	74.2	99	65-140	
N-Propylbenzene	74.8	1.3 U	75.4	101	65-135	
o-Xylene	74.8	1.3 U	76.5	102	75-125	
sec-Butylbenzene	74.8	1.3 U	77.1	103	65-130	
Styrene	74.8	1.3 U	79.5	106	75-125	
tert-Butylbenzene	74.8	1.3 U	74.3	99	65-130	
Tetrachloroethene	74.8	1.3 U	73.6	98	65-140	
Toluene	74.8	1.3 U	73.5	98	70-125	
trans-1,2-Dichloroethene	74.8	1.3 U	74.2	99	65-135	
trans-1,3-Dichloropropene	74.8	1.3 U	71.0	95	65-125	
Trichloroethene	74.8	1.1 U	75.7	101	75-125	
Trichlorofluoromethane	74.8	2.6 U	86.5	116	25-185	
Vinyl chloride	74.8	2.6 U	89.9	120	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J1384.D

Lab ID: 280-54473-1 MSD Client ID: AOI72BT0106AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	61.2	61.7	101	19	30	75-125	
1,1,1-Trichloroethane	61.2	60.2	98	21	30	70-135	
1,1,2,2-Tetrachloroethane	61.2	55.9	91	22	30	55-130	
1,1,2-Trichloroethane	61.2	55.9	91	22	30	60-125	
1,1-Dichloroethane	61.2	59.1	97	23	30	75-125	
1,1-Dichloroethene	61.2	58.9	96	19	30	65-135	
1,1-Dichloropropene	61.2	62.2	102	21	30	70-135	
1,2,3-Trichlorobenzene	61.2	53.9	88	25	30	60-135	
1,2,3-Trichloropropane	61.2	58.3	95	200	30	65-130	J
1,2,4-Trichlorobenzene	61.2	54.6	89	25	30	65-130	
1,2,4-Trimethylbenzene	61.2	60.6	99	21	30	65-135	
1,2-Dibromo-3-Chloropropane	61.2	55.2	90	19	30	40-135	
1,2-Dichlorobenzene	61.2	58.8	96	23	30	75-120	
1,2-Dichloroethane	61.2	60.0	98	21	30	70-135	
1,2-Dichloropropane	61.2	55.8	91	23	30	70-120	
1,3,5-Trimethylbenzene	61.2	61.4	100	21	30	65-135	
1,3-Dichlorobenzene	61.2	59.5	97	22	30	70-125	
1,3-Dichloropropane	61.2	55.1	90	21	30	75-125	
1,4-Dichlorobenzene	61.2	59.9	98	21	30	70-125	
2,2-Dichloropropane	61.2	59.3	97	22	30	65-135	
2-Butanone (MEK)	245	260	106	26	30	30-160	
2-Chlorotoluene	61.2	60.6	99	22	30	70-130	
2-Hexanone	245	213	87	26	30	45-145	
4-Chlorotoluene	61.2	60.3	99	21	30	75-125	
4-Isopropyltoluene	61.2	61.1	100	21	30	75-135	
4-Methyl-2-pentanone (MIBK)	245	221	90	27	30	45-145	
Acetone	245	230	90	25	30	20-160	
Benzene	61.2	60.5	99	20	30	75-125	
Bromobenzene	61.2	60.3	98	21	30	65-120	
Bromoform	61.2	58.2	95	22	30	55-135	
Bromomethane	61.2	60.6	99	32	30	30-160	J
Carbon disulfide	61.2	60.4	99	20	30	45-160	
Carbon tetrachloride	61.2	63.0	103	21	30	65-135	
Chlorobenzene	61.2	59.6	97	21	30	75-125	
Chlorobromomethane	61.2	59.0	96	21	30	70-125	
Chlorodibromomethane	61.2	61.8	101	21	30	65-130	
Chloroethane	61.2	60.5	99	31	30	40-155	J
Chloroform	61.2	60.9	99	20	30	70-125	
Chloromethane	61.2	69.4	113	29	30	50-130	
cis-1,2-Dichloroethene	61.2	58.0	95	22	30	65-125	
cis-1,3-Dichloropropene	61.2	60.3	98	21	30	70-125	
Dibromomethane	61.2	55.1	90	24	30	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J1384.D

Lab ID: 280-54473-1 MSD Client ID: AOI72BT0106AA MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	61.2	59.2	97	20	30	70-130	
Dichlorodifluoromethane	61.2	67.4	110	37	30	35-135	J
Ethylbenzene	61.2	59.3	97	21	30	75-125	
Ethylene Dibromide	61.2	56.6	92	23	30	70-125	
Hexachlorobutadiene	61.2	59.3	97	23	30	55-140	
Isopropylbenzene	61.2	61.5	100	21	30	75-130	
Methyl tert-butyl ether	61.2	58.6	96	21	30	67-119	
Methylene Chloride	61.2	60.8	99	20	30	55-140	
m-Xylene & p-Xylene	61.2	59.4	97	21	30	80-125	
Naphthalene	61.2	52.0	85	24	30	40-125	
n-Butylbenzene	61.2	59.7	98	22	30	65-140	
N-Propylbenzene	61.2	61.7	101	20	30	65-135	
o-Xylene	61.2	62.0	101	21	30	75-125	
sec-Butylbenzene	61.2	61.9	101	22	30	65-130	
Styrene	61.2	63.7	104	22	30	75-125	
tert-Butylbenzene	61.2	60.6	99	20	30	65-130	
Tetrachloroethene	61.2	61.1	100	19	30	65-140	
Toluene	61.2	59.1	97	22	30	70-125	
trans-1,2-Dichloroethene	61.2	60.7	99	20	30	65-135	
trans-1,3-Dichloropropene	61.2	57.3	94	21	30	65-125	
Trichloroethene	61.2	62.0	101	20	30	75-125	
Trichlorofluoromethane	61.2	61.1	100	34	30	25-185	J
Vinyl chloride	61.2	61.8	101	37	30	60-125	J

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G2_0019.D

Lab ID: LCS 280-222940/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.49	110	80-130	
1,1,1-Trichloroethane	5.00	5.60	112	65-130	
1,1,2,2-Tetrachloroethane	5.00	5.22	104	65-130	
1,1,2-Trichloroethane	5.00	5.07	101	75-125	
1,1-Dichloroethane	5.00	5.57	111	70-135	
1,1-Dichloroethene	5.00	5.21	104	70-130	
1,1-Dichloropropene	5.00	5.72	114	75-130	
1,2,3-Trichlorobenzene	5.00	5.22	104	55-140	
1,2,3-Trichloropropane	5.00	5.59	112	75-125	
1,2,4-Trichlorobenzene	5.00	5.26	105	65-135	
1,2,4-Trimethylbenzene	5.00	5.52	110	75-130	
1,2-Dibromo-3-Chloropropane	5.00	4.88 J	98	50-130	
1,2-Dichlorobenzene	5.00	5.33	107	70-120	
1,2-Dichloroethane	5.00	5.51	110	70-130	
1,2-Dichloropropane	5.00	5.12	102	75-125	
1,3,5-Trimethylbenzene	5.00	5.53	111	75-130	
1,3-Dichlorobenzene	5.00	5.34	107	75-125	
1,3-Dichloropropane	5.00	5.15	103	75-125	
1,4-Dichlorobenzene	5.00	5.30	106	75-125	
2,2-Dichloropropane	5.00	5.95	119	70-135	
2-Butanone (MEK)	20.0	16.7	84	30-150	
2-Chlorotoluene	5.00	5.40	108	75-125	
2-Hexanone	20.0	15.3	76	55-130	
4-Chlorotoluene	5.00	5.44	109	75-130	
4-Isopropyltoluene	5.00	5.56	111	75-130	
4-Methyl-2-pentanone (MIBK)	20.0	14.8	74	60-135	
Acetone	20.0	18.2	91	40-140	
Benzene	5.00	4.95	99	80-120	
Bromobenzene	5.00	5.24	105	75-125	
Bromoform	5.00	5.34	107	70-130	
Bromomethane	5.00	3.66	73	30-145	
Carbon disulfide	5.00	5.42	108	35-160	
Carbon tetrachloride	5.00	5.86	117	65-140	
Chlorobenzene	5.00	5.19	104	80-120	
Chlorobromomethane	5.00	5.14	103	65-130	
Chlorodibromomethane	5.00	5.59	112	60-135	
Chloroethane	5.00	3.76	75	60-135	
Chloroform	5.00	5.31	106	65-135	
Chloromethane	5.00	3.93	79	40-125	
cis-1,2-Dichloroethene	5.00	5.14	103	70-125	
cis-1,3-Dichloropropene	5.00	5.42	108	70-130	
Dibromomethane	5.00	5.19	104	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G2_0019.D

Lab ID: LCS 280-222940/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	5.00	5.30	106	75-120	
Dichlorodifluoromethane	5.00	4.06	81	30-155	
Ethylbenzene	5.00	5.14	103	75-125	
Ethylene Dibromide	5.00	5.07	101	80-120	
Hexachlorobutadiene	5.00	5.41	108	50-140	
Isopropylbenzene	5.00	5.56	111	75-125	
Methyl tert-butyl ether	5.00	5.18	104	65-125	
Methylene Chloride	5.00	5.10	102	55-140	
m-Xylene & p-Xylene	5.00	5.24	105	75-130	
Naphthalene	5.00	4.86	97	55-140	
n-Butylbenzene	5.00	5.51	110	70-135	
N-Propylbenzene	5.00	5.41	108	70-130	
o-Xylene	5.00	5.35	107	80-120	
sec-Butylbenzene	5.00	5.53	111	70-125	
Styrene	5.00	5.42	108	65-135	
tert-Butylbenzene	5.00	5.48	110	70-130	
Tetrachloroethene	5.00	5.25	105	45-150	
Toluene	5.00	5.27	105	75-120	
trans-1,2-Dichloroethene	5.00	5.30	106	60-140	
trans-1,3-Dichloropropene	5.00	5.65	113	55-140	
Trichloroethene	5.00	5.28	106	70-125	
Trichlorofluoromethane	5.00	3.98	80	60-145	
Vinyl chloride	5.00	3.92	78	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G2_0020.D

Lab ID: LCSD 280-222940/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	5.00	5.59	112	2	30	80-130	
1,1,1-Trichloroethane	5.00	5.68	114	1	30	65-130	
1,1,2,2-Tetrachloroethane	5.00	5.56	111	6	30	65-130	
1,1,2-Trichloroethane	5.00	5.57	111	9	30	75-125	
1,1-Dichloroethane	5.00	5.73	115	3	30	70-135	
1,1-Dichloroethene	5.00	5.38	108	3	30	70-130	
1,1-Dichloropropene	5.00	5.79	116	1	30	75-130	
1,2,3-Trichlorobenzene	5.00	5.60	112	7	30	55-140	
1,2,3-Trichloropropane	5.00	6.13	123	9	30	75-125	
1,2,4-Trichlorobenzene	5.00	5.63	113	7	30	65-135	
1,2,4-Trimethylbenzene	5.00	5.57	111	1	30	75-130	
1,2-Dibromo-3-Chloropropane	5.00	5.45	109	11	30	50-130	
1,2-Dichlorobenzene	5.00	5.46	109	2	30	70-120	
1,2-Dichloroethane	5.00	5.74	115	4	30	70-130	
1,2-Dichloropropane	5.00	5.36	107	4	30	75-125	
1,3,5-Trimethylbenzene	5.00	5.53	111	0	30	75-130	
1,3-Dichlorobenzene	5.00	5.44	109	2	30	75-125	
1,3-Dichloropropane	5.00	5.44	109	6	30	75-125	
1,4-Dichlorobenzene	5.00	5.35	107	1	30	75-125	
2,2-Dichloropropane	5.00	6.04	121	1	30	70-135	
2-Butanone (MEK)	20.0	22.2	111	28	30	30-150	
2-Chlorotoluene	5.00	5.58	112	3	30	75-125	
2-Hexanone	20.0	21.4	107	34	30	55-130	Q
4-Chlorotoluene	5.00	5.46	109	0	30	75-130	
4-Isopropyltoluene	5.00	5.57	111	0	30	75-130	
4-Methyl-2-pentanone (MIBK)	20.0	21.2	106	36	30	60-135	Q
Acetone	20.0	24.2	121	28	30	40-140	
Benzene	5.00	5.12	102	3	30	80-120	
Bromobenzene	5.00	5.37	107	3	30	75-125	
Bromoform	5.00	5.69	114	6	30	70-130	
Bromomethane	5.00	4.89	98	29	30	30-145	
Carbon disulfide	5.00	5.61	112	3	30	35-160	
Carbon tetrachloride	5.00	5.94	119	1	30	65-140	
Chlorobenzene	5.00	5.30	106	2	30	80-120	
Chlorobromomethane	5.00	5.41	108	5	30	65-130	
Chlorodibromomethane	5.00	5.68	114	2	30	60-135	
Chloroethane	5.00	5.02	100	29	30	60-135	
Chloroform	5.00	5.41	108	2	30	65-135	
Chloromethane	5.00	5.29	106	29	30	40-125	
cis-1,2-Dichloroethene	5.00	5.29	106	3	30	70-125	
cis-1,3-Dichloropropene	5.00	5.50	110	1	30	70-130	
Dibromomethane	5.00	5.53	111	6	30	75-125	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Matrix: Water Level: Low Lab File ID: G2_0020.D

Lab ID: LCSD 280-222940/7 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	5.00	5.40	108	2	30	75-120	
Dichlorodifluoromethane	5.00	5.30	106	26	30	30-155	
Ethylbenzene	5.00	5.28	106	3	30	75-125	
Ethylene Dibromide	5.00	5.37	107	6	30	80-120	
Hexachlorobutadiene	5.00	5.51	110	2	30	50-140	
Isopropylbenzene	5.00	5.52	110	1	30	75-125	
Methyl tert-butyl ether	5.00	5.68	114	9	30	65-125	
Methylene Chloride	5.00	5.61	112	10	30	55-140	
m-Xylene & p-Xylene	5.00	5.26	105	0	30	75-130	
Naphthalene	5.00	5.31	106	9	30	55-140	
n-Butylbenzene	5.00	5.55	111	1	30	70-135	
N-Propylbenzene	5.00	5.29	106	2	30	70-130	
o-Xylene	5.00	5.38	108	1	30	80-120	
sec-Butylbenzene	5.00	5.45	109	2	30	70-125	
Styrene	5.00	5.46	109	1	30	65-135	
tert-Butylbenzene	5.00	5.49	110	0	30	70-130	
Tetrachloroethene	5.00	5.21	104	1	30	45-150	
Toluene	5.00	5.43	109	3	30	75-120	
trans-1,2-Dichloroethene	5.00	5.42	108	2	30	60-140	
trans-1,3-Dichloropropene	5.00	5.88	118	4	30	55-140	
Trichloroethene	5.00	5.27	105	0	30	70-125	
Trichlorofluoromethane	5.00	5.26	105	28	30	60-145	
Vinyl chloride	5.00	5.27	105	30	30	50-145	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: J1378.D Lab Sample ID: MB 280-222190/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: VMS_J Date Analyzed: 04/21/2014 18:14

GC Column: DB-624 (75.53) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-222190/2-A	J1377.D	04/21/2014 17:53
AOI72BT0106AA	280-54473-1	J1382.D	04/21/2014 19:47
AOI72BT0106AA MS	280-54473-1 MS	J1383.D	04/21/2014 20:08
AOI72BT0106AA MSD	280-54473-1 MSD	J1384.D	04/21/2014 20:29
AOI72BT0206AA	280-54473-2	J1385.D	04/21/2014 20:50

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: G2_0021.D Lab Sample ID: MB 280-222940/8

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: VMS_G2 Date Analyzed: 04/25/2014 19:48

GC Column: DB-624 (60.25) ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-222940/6	G2_0019.D	04/25/2014 19:08
	LCSD 280-222940/7	G2_0020.D	04/25/2014 19:28
041614AE	280-54473-3	G2_0025.D	04/25/2014 21:09
041614AF	280-54473-4	G2_0026.D	04/25/2014 21:29
041614AR	280-54473-5	G2_0027.D	04/25/2014 21:49

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: G2_8103.D BFB Injection Date: 03/05/2014

Instrument ID: VMS_G2 BFB Injection Time: 06:34

Analysis Batch No.: 215451

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.8	
75	30.0 - 60.0 % of mass 95	46.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	76.3	
175	5.0 - 9.0 % of mass 174	6.0	(7.9)1
176	95.0 - 101.0 % of mass 174	75.2	(98.5)1
177	5.0 - 9.0 % of mass 176	5.6	(7.5)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-215451/32	G2_8116.D	03/05/2014	12:49
	IC 280-215451/33	G2_8117.D	03/05/2014	13:09
	IC 280-215451/34	G2_8118.D	03/05/2014	13:29
	ICIS 280-215451/35	G2_8119.D	03/05/2014	13:49
	IC 280-215451/36	G2_8120.D	03/05/2014	14:09
	IC 280-215451/37	G2_8121.D	03/05/2014	14:30

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: G2_8145.D BFB Injection Date: 03/06/2014

Instrument ID: VMS_G2 BFB Injection Time: 06:59

Analysis Batch No.: 215641

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	18.1	
75	30.0 - 60.0 % of mass 95	47.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	8.0	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	81.0	
175	5.0 - 9.0 % of mass 174	5.9	(7.3)1
176	95.0 - 101.0 % of mass 174	77.5	(95.7)1
177	5.0 - 9.0 % of mass 176	5.7	(7.3)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICV 280-215641/9	G2_8147.D	03/06/2014	07:42

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: G2_8360.D BFB Injection Date: 03/12/2014

Instrument ID: VMS_G2 BFB Injection Time: 07:09

Analysis Batch No.: 216434

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	19.7	
75	30.0 - 60.0 % of mass 95	51.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.0	
173	Less than 2.0 % of mass 174	0.4	(0.4)1
174	50.0 - 120.00 % of mass 95	82.3	
175	5.0 - 9.0 % of mass 174	5.7	(6.9)1
176	95.0 - 101.0 % of mass 174	81.9	(99.5)1
177	5.0 - 9.0 % of mass 176	5.7	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-216434/10	G2_8368.D	03/12/2014	09:55
	IC 280-216434/11	G2_8369.D	03/12/2014	10:15
	IC 280-216434/12	G2_8370.D	03/12/2014	10:35
	IC 280-216434/13	G2_8371.D	03/12/2014	10:55
	IC 280-216434/14	G2_8372.D	03/12/2014	11:15
	IC 280-216434/15	G2_8373.D	03/12/2014	11:35
	IC 280-216434/16	G2_8374.D	03/12/2014	11:56
	ICV 280-216434/17	G2_8376.D	03/12/2014	12:36

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: G2_8470.D BFB Injection Date: 03/14/2014

Instrument ID: VMS_G2 BFB Injection Time: 06:45

Analysis Batch No.: 216803

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	17.6	
75	30.0 - 60.0 % of mass 95	50.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	85.7	
175	5.0 - 9.0 % of mass 174	6.2	(7.2)1
176	95.0 - 101.0 % of mass 174	84.3	(98.4)1
177	5.0 - 9.0 % of mass 176	5.2	(6.1)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 280-216803/8	G2_8474.D	03/14/2014	08:21
	IC 280-216803/9	G2_8475.D	03/14/2014	08:41
	IC 280-216803/10	G2_8476.D	03/14/2014	09:01
	IC 280-216803/11	G2_8477.D	03/14/2014	09:21
	IC 280-216803/12	G2_8478.D	03/14/2014	09:42
	ICV 280-216803/13	G2_8479.D	03/14/2014	10:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: G2_0014.D BFB Injection Date: 04/25/2014

Instrument ID: VMS_G2 BFB Injection Time: 17:24

Analysis Batch No.: 222940

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.8	
75	30.0 - 60.0 % of mass 95	51.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.8	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	83.7	
175	5.0 - 9.0 % of mass 174	6.3	(7.5)1
176	95.0 - 101.0 % of mass 174	81.6	(97.4)1
177	5.0 - 9.0 % of mass 176	5.4	(6.6)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-222940/2	G2_0015.D	04/25/2014	17:47
	CCV 280-222940/3	G2_0016.D	04/25/2014	18:07
	CCV 280-222940/4	G2_0017.D	04/25/2014	18:27
	LCS 280-222940/6	G2_0019.D	04/25/2014	19:08
	LCSD 280-222940/7	G2_0020.D	04/25/2014	19:28
	MB 280-222940/8	G2_0021.D	04/25/2014	19:48
041614AE	280-54473-3	G2_0025.D	04/25/2014	21:09
041614AF	280-54473-4	G2_0026.D	04/25/2014	21:29
041614AR	280-54473-5	G2_0027.D	04/25/2014	21:49

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: J1274.D BFB Injection Date: 04/16/2014

Instrument ID: VMS_J BFB Injection Time: 18:45

Analysis Batch No.: 221523

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.9	
75	30.0 - 60.0 % of mass 95	46.6	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	95.2	
175	5.0 - 9.0 % of mass 174	6.6	(6.9)1
176	95.0 - 101.0 % of mass 174	91.7	(96.3)1
177	5.0 - 9.0 % of mass 176	6.4	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD001 280-221523/2	J1275.D	04/16/2014	19:19
	STD002 280-221523/3	J1276.D	04/16/2014	19:40
	STD005 280-221523/4	J1277.D	04/16/2014	20:01
	STD010 280-221523/5	J1278.D	04/16/2014	20:22
	STD020 280-221523/6	J1279.D	04/16/2014	20:43
	STD050 280-221523/7	J1280.D	04/16/2014	21:04
	STD100 280-221523/8	J1281.D	04/16/2014	21:25
	STD200 280-221523/9	J1282.D	04/16/2014	21:46
	STD001 280-221523/11	J1285.D	04/16/2014	22:50
	STD002 280-221523/12	J1286.D	04/16/2014	23:12
	STD005 280-221523/13	J1287.D	04/16/2014	23:33
	STD010 280-221523/14	J1288.D	04/16/2014	23:54
	STD020 280-221523/15	J1289.D	04/17/2014	00:15
	ICIS 280-221523/16	J1290.D	04/17/2014	00:37
	STD100 280-221523/17	J1291.D	04/17/2014	00:58
	STD200 280-221523/18	J1292.D	04/17/2014	01:19
	ICV 280-221523/19	J1293.D	04/17/2014	01:41
	ICV 280-221523/20	J1294.D	04/17/2014	02:02

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: J1298.D BFB Injection Date: 04/17/2014

Instrument ID: VMS_J BFB Injection Time: 16:10

Analysis Batch No.: 221699

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	22.6	
75	30.0 - 60.0 % of mass 95	49.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	85.5	
175	5.0 - 9.0 % of mass 174	6.2	(7.3)1
176	95.0 - 101.0 % of mass 174	83.1	(97.1)1
177	5.0 - 9.0 % of mass 176	4.9	(5.8)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD002 280-221699/4	J1301.D	04/17/2014	17:18
	STD005 280-221699/5	J1302.D	04/17/2014	17:39
	STD010 280-221699/6	J1303.D	04/17/2014	18:00
	STD020 280-221699/7	J1304.D	04/17/2014	18:21
	STD050 280-221699/8	J1305.D	04/17/2014	18:42
	STD100 280-221699/9	J1306.D	04/17/2014	19:03
	STD200 280-221699/10	J1307.D	04/17/2014	19:23
	ICV 280-221699/11	J1308.D	04/17/2014	20:05

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab File ID: J1372.D BFB Injection Date: 04/21/2014

Instrument ID: VMS_J BFB Injection Time: 16:05

Analysis Batch No.: 222203

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	20.4	
75	30.0 - 60.0 % of mass 95	48.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.7	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	85.3	
175	5.0 - 9.0 % of mass 174	6.8	(7.9)1
176	95.0 - 101.0 % of mass 174	82.8	(97.1)1
177	5.0 - 9.0 % of mass 176	5.7	(6.9)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-222203/2	J1373.D	04/21/2014	16:29
	CCV 280-222203/3	J1374.D	04/21/2014	16:50
	CCV 280-222203/4	J1375.D	04/21/2014	17:11
	LCS 280-222190/2-A	J1377.D	04/21/2014	17:53
	MB 280-222190/1-A	J1378.D	04/21/2014	18:14
AOI72BT0106AA	280-54473-1	J1382.D	04/21/2014	19:47
AOI72BT0106AA MS	280-54473-1 MS	J1383.D	04/21/2014	20:08
AOI72BT0106AA MSD	280-54473-1 MSD	J1384.D	04/21/2014	20:29
AOI72BT0206AA	280-54473-2	J1385.D	04/21/2014	20:50

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Sample No.: ICIS 280-221523/16 Date Analyzed: 04/17/2014 00:37

Instrument ID: VMS_J GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): J1290.D Heated Purge: (Y/N) Y

Calibration ID: 17924

		TBA		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		696197	5.96	1554416	8.06	372093	10.78
UPPER LIMIT		1392394	6.46	3108832	8.56	744186	11.28
LOWER LIMIT		348099	5.46	777208	7.56	186047	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-221523/19		805326	5.95	1909569	8.07	460482	10.77
ICV 280-221523/20		804868	5.96	1943337	8.06	472431	10.78
ICV 280-221699/11		987196	5.96	1943071	8.06	464695	10.78
CCV 280-222203/2		934635	5.94	1934899	8.07	473304	10.76
CCV 280-222203/3		828421	5.96	1823072	8.06	441285	10.78
CCV 280-222203/4		872145	5.96	1915044	8.06	455413	10.78
LCS 280-222190/2-A		802453	5.96	1897835	8.06	470223	10.78
MB 280-222190/1-A		851903	5.96	1984087	8.06	479235	10.78
280-54473-1	AOI72BT0106AA	742193	5.96	1965723	8.06	466363	10.78
280-54473-1 MS	AOI72BT0106AA MS	720313	5.96	1922824	8.06	471620	10.78
280-54473-1 MSD	AOI72BT0106AA MSD	759479	5.95	2035090	8.07	494138	10.77
280-54473-2	AOI72BT0206AA	717290	5.96	1972842	8.06	461230	10.78

TBA = TBA-d9 (IS)
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Sample No.: ICIS 280-221523/16 Date Analyzed: 04/17/2014 00:37

Instrument ID: VMS_J GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): J1290.D Heated Purge: (Y/N) Y

Calibration ID: 17924

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		565999	12.92				
UPPER LIMIT		1131998	13.42				
LOWER LIMIT		283000	12.42				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-221523/19		714990	12.91				
ICV 280-221523/20		747680	12.92				
ICV 280-221699/11		714933	12.92				
CCV 280-222203/2		742360	12.90				
CCV 280-222203/3		687480	12.92				
CCV 280-222203/4		708370	12.92				
LCS 280-222190/2-A		748112	12.92				
MB 280-222190/1-A		729456	12.92				
280-54473-1	AOI72BT0106AA	690499	12.92				
280-54473-1 MS	AOI72BT0106AA MS	747413	12.92				
280-54473-1 MSD	AOI72BT0106AA MSD	777646	12.91				
280-54473-2	AOI72BT0206AA	695718	12.92				

DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Sample No.: ICIS 280-215451/35 Date Analyzed: 03/05/2014 13:49

Instrument ID: VMS_G2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): G2_8119.D Heated Purge: (Y/N) N

Calibration ID: 17333

		TBA		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		265887	5.66	2235081	7.60	454369	9.85
UPPER LIMIT		531774	6.16	4470162	8.10	908738	10.35
LOWER LIMIT		132944	5.16	1117541	7.10	227185	9.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-215641/9		163361	5.66	1488185	7.60	304729	9.85
CCV 280-222940/2		248595	5.63	2162781	7.56	469939	9.80
CCV 280-222940/3		227454	5.64	1895745	7.57	416082	9.80
CCV 280-222940/4		230990	5.64	1966145	7.57	436119	9.80
LCS 280-222940/6		227888	5.64	2016325	7.57	439988	9.81
LCSD 280-222940/7		228006	5.64	1861029	7.57	413846	9.80
MB 280-222940/8		240125	5.64	2001354	7.57	434738	9.80
280-54473-3	041614AE	183417	5.64	1952633	7.57	416222	9.80
280-54473-4	041614AF	175140	5.64	1734184	7.57	372832	9.80
280-54473-5	041614AR	210440	5.64	1928330	7.57	406182	9.81

TBA = TBA-d9 (IS)
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

Column used to flag values outside QC limits

FORM VIII 8260C

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Sample No.: ICIS 280-215451/35 Date Analyzed: 03/05/2014 13:49

Instrument ID: VMS_G2 GC Column: DB-624 (60.25) ID: 0.25(mm)

Lab File ID (Standard): G2_8119.D Heated Purge: (Y/N) N

Calibration ID: 17333

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		613943	11.67				
UPPER LIMIT		1227886	12.17				
LOWER LIMIT		306972	11.17				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-215641/9		411383	11.67				
CCV 280-222940/2		661769	11.60				
CCV 280-222940/3		566739	11.60				
CCV 280-222940/4		581488	11.60				
LCS 280-222940/6		619225	11.60				
LCSD 280-222940/7		585668	11.60				
MB 280-222940/8		595373	11.60				
280-54473-3	041614AE	553005	11.60				
280-54473-4	041614AF	500033	11.60				
280-54473-5	041614AR	553606	11.60				

DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA | Lab Sample ID: 280-54473-1

Matrix: Solid | Lab File ID: J1382.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 09:45

Sample wt/vol: 4.694(g) | Date Analyzed: 04/21/2014 19:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.3	U	6.6	1.3	0.74
71-55-6	1,1,1-Trichloroethane	1.3	U	6.6	1.3	0.68
79-34-5	1,1,2,2-Tetrachloroethane	1.3	U	6.6	1.3	0.80
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	26	U	26	26	0.59
79-00-5	1,1,2-Trichloroethane	1.3	U	6.6	1.3	1.2
75-34-3	1,1-Dichloroethane	1.1	U	6.6	1.1	0.28
75-35-4	1,1-Dichloroethene	1.3	U	6.6	1.3	0.78
563-58-6	1,1-Dichloropropene	1.3	U	6.6	1.3	0.71
87-61-6	1,2,3-Trichlorobenzene	1.3	U	6.6	1.3	0.99
96-18-4	1,2,3-Trichloropropane	1.3	U J	6.6	1.3	1.1
120-82-1	1,2,4-Trichlorobenzene	1.3	U	6.6	1.3	0.96
95-63-6	1,2,4-Trimethylbenzene	1.3	U	6.6	1.3	0.76
96-12-8	1,2-Dibromo-3-Chloropropane	1.3	U	13	1.3	0.79
95-50-1	1,2-Dichlorobenzene	1.3	U	6.6	1.3	0.59
107-06-2	1,2-Dichloroethane	1.3	U	6.6	1.3	0.92
78-87-5	1,2-Dichloropropane	1.3	U	6.6	1.3	0.72
108-67-8	1,3,5-Trimethylbenzene	1.3	U	6.6	1.3	0.75
541-73-1	1,3-Dichlorobenzene	1.3	U	6.6	1.3	0.63
142-28-9	1,3-Dichloropropane	1.3	U	6.6	1.3	0.67
106-46-7	1,4-Dichlorobenzene	1.3	U	6.6	1.3	1.0
123-91-1	1,4-Dioxane	110	U	660	110	74
544-10-5	1-Chlorohexane	1.1	U	6.6	1.1	0.83
594-20-7	2,2-Dichloropropane	1.3	U	6.6	1.3	0.58
78-93-3	2-Butanone (MEK)	8.4	U	26	8.4	2.4
95-49-8	2-Chlorotoluene	1.3	U	6.6	1.3	0.67
591-78-6	2-Hexanone	13	U	26	13	6.4
106-43-4	4-Chlorotoluene	1.3	U	6.6	1.3	1.0
99-87-6	4-Isopropyltoluene	1.3	U	6.6	1.3	0.64
108-10-1	4-Methyl-2-pentanone (MIBK)	13	U	26	13	5.7
67-64-1	Acetone	10	J	26	13	7.1
71-43-2	Benzene	1.3	U	6.6	1.3	0.62
108-86-1	Bromobenzene	1.3	U	6.6	1.3	0.64
75-25-2	Bromoform	1.1	U	6.6	1.1	0.30
74-83-9	Bromomethane	1.3	U J	13	1.3	0.66
75-15-0	Carbon disulfide	1.3	U	6.6	1.3	0.55

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA | Lab Sample ID: 280-54473-1

Matrix: Solid | Lab File ID: J1382.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 09:45

Sample wt/vol: 4.694(g) | Date Analyzed: 04/21/2014 19:47

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	1.3	U	6.6	1.3	0.83
108-90-7	Chlorobenzene	1.3	U	6.6	1.3	0.71
74-97-5	Chlorobromomethane	1.3	U	6.6	1.3	0.39
124-48-1	Chlorodibromomethane	1.3	U	6.6	1.3	0.75
75-00-3	Chloroethane	1.3	U J	13	1.3	1.2
67-66-3	Chloroform	1.3	U	13	1.3	0.38
74-87-3	Chloromethane	1.3	U	13	1.3	1.0
156-59-2	cis-1,2-Dichloroethene	1.3	U	6.6	1.3	0.74
10061-01-5	cis-1,3-Dichloropropene	2.6	U	6.6	2.6	1.7
110-82-7	Cyclohexane	2.1	U	6.6	2.1	0.53
74-95-3	Dibromomethane	1.3	U	6.6	1.3	1.1
75-27-4	Dichlorobromomethane	1.1	U	6.6	1.1	0.29
75-71-8	Dichlorodifluoromethane	1.3	U J	13	1.3	0.68
100-41-4	Ethylbenzene	1.3	U	6.6	1.3	0.88
106-93-4	Ethylene Dibromide	1.3	U	6.6	1.3	0.68
87-68-3	Hexachlorobutadiene	1.3	U	6.6	1.3	0.72
98-82-8	Isopropylbenzene	1.3	U	6.6	1.3	0.78
79-20-9	Methyl acetate	5.3	U	11	5.3	3.6
1634-04-4	Methyl tert-butyl ether	1.3	U	26	1.3	0.45
108-87-2	Methylcyclohexane	1.1	U	6.6	1.1	0.55
75-09-2	Methylene Chloride	4.2	U	6.6	4.2	2.1
179601-23-1	m-Xylene & p-Xylene	2.6	U	4.2	2.6	1.4
91-20-3	Naphthalene	1.3	U	6.6	1.3	0.83
104-51-8	n-Butylbenzene	1.3	U	6.6	1.3	0.74
103-65-1	N-Propylbenzene	1.3	U	6.6	1.3	0.76
95-47-6	o-Xylene	1.3	U	6.6	1.3	0.80
135-98-8	sec-Butylbenzene	1.3	U	6.6	1.3	1.0
100-42-5	Styrene	1.3	U	6.6	1.3	0.83
98-06-6	tert-Butylbenzene	1.3	U	6.6	1.3	0.66
127-18-4	Tetrachloroethene	1.3	U	6.6	1.3	0.78
108-88-3	Toluene	1.3	U	6.6	1.3	0.91
156-60-5	trans-1,2-Dichloroethene	1.3	U	6.6	1.3	0.51
10061-02-6	trans-1,3-Dichloropropene	1.3	U	6.6	1.3	0.88
79-01-6	Trichloroethene	1.1	U	6.6	1.1	0.30
75-69-4	Trichlorofluoromethane	2.6	U J	13	2.6	1.4
75-01-4	Vinyl chloride	2.6	U J	6.6	2.6	1.8

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA Lab Sample ID: 280-54473-1

Matrix: Solid Lab File ID: J1382.D

Analysis Method: 8260B/DoD Date Collected: 04/16/2014 09:45

Sample wt/vol: 4.694(g) Date Analyzed: 04/21/2014 19:47

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 Level: (low/med) Low

Analysis Batch No.: 222203 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		61-129
460-00-4	4-Bromofluorobenzene (Surr)	99		85-120
1868-53-7	Dibromofluoromethane (Surr)	94		71-126
2037-26-5	Toluene-d8 (Surr)	101		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1382.D
Lims ID: 280-54473-A-1-A Lab Sample ID: 280-54473-1
Client ID: AOI72BT0106AA
Sample Type: Client
Inject. Date: 21-Apr-2014 19:47:30 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 280-54473-a-1-a
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:33:43 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: dukesa Date: 21-Apr-2014 21:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96		1.051					
* 150 TBA-d9 (IS)	65	5.957	5.944	0.013	75	742193	1000.0	
* 1 Fluorobenzene	96	8.063	8.067	-0.004	98	1965723	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.764	0.013	83	466363	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.904	0.013	92	690499	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.471	7.471	0.000	65	562355	47.1	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.784	7.784	0.000	95	461486	43.1	
$ 7 Toluene-d8 (Surr)	98	9.437	9.437	0.000	84	1765349	50.3	
$ 8 4-Bromofluorobenzene (Surr	95	11.786	11.786	0.000	90	624077	49.4	
$ 151 a,a,a-Trifluorotoluene	1		0.000					
$ 4 BFB	95	5.018	5.017	0.001	0	623	NR	7
24 Chlorotrifluoroethene	116		4.084					
25 Dichlorodifluoromethane	85		4.152					
26 1,2-Dichloro-1,1,2,2-tetra	85		4.310					
27 Chloromethane	50		4.358					
28 Vinyl chloride	62		4.532					
147 Butadiene	54		4.532					
29 2-Chloro-1,1,1-Trifluoroet	118		4.554					
30 Ethylene oxide	43		4.826					
31 Bromomethane	94		4.897					
32 Chloroethane	64		4.967					
33 Dichlorofluoromethane	67		5.141					
35 Ethanol	45		5.244					
34 Trichlorofluoromethane	101		5.263					
36 1,2-Dichloro-1,1,2-trifluo	117		5.389					
37 Ethyl ether	59		5.405					
38 1,1,1-Trifluoro-2,2-dichlo	83		5.424					
39 Propene oxide	58		5.505					
40 Acrolein	56		5.544					
41 Acetone	43	5.661	5.663	-0.002	80	34575	7.89	
42 1,1,2-Trichloro-1,2,2-trif	151		5.666					
44 Isopropyl alcohol	45		5.679					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
45 1,1-Dichloroethene	96		5.700					
46 Iodomethane	142		5.892					
47 Acetonitrile	41		5.905					
48 Methyl acetate	43		5.909					
49 3-Chloro-1-propene	41		5.961					
51 Carbon disulfide	76		5.979					
50 2-Methyl-2-propanol	59		6.014					
52 Methylene Chloride	84		6.066					
53 Acrylonitrile	53		6.222					
54 Methyl tert-butyl ether	73		6.257					
55 trans-1,2-Dichloroethene	96		6.292					
56 Hexane	57		6.466					
57 Vinyl acetate	43		6.570					
58 Isopropyl ether	87		6.584					
59 1,1-Dichloroethane	63		6.640					
60 2-Chloro-1,3-butadiene	53		6.723					
61 Tert-butyl ethyl ether	59		6.897					
62 Ethyl acetate	43		7.036					
63 2-Butanone (MEK)	43		7.055					
64 sec-Butyl Alcohol	45		7.092					
66 Propionitrile	54		7.106					
65 cis-1,2-Dichloroethene	96		7.110					
67 2,2-Dichloropropane	77		7.145					
68 Methacrylonitrile	41		7.245					
69 Chlorobromomethane	128		7.319					
70 Chloroform	83		7.336					
71 Tetrahydrofuran	42		7.353					
73 1,1,1-Trichloroethane	97		7.562					
72 Isobutyl alcohol	41		7.632					
74 Cyclohexane	56		7.649					
75 1,1-Dichloropropene	75		7.667					
76 Carbon tetrachloride	117		7.719					
78 Tert-amyl methyl ether	73		7.854					
77 1,2-Dichloroethane	62		7.858					
79 Benzene	78		7.875					
14 n-Heptane	43		7.945					
80 n-Butanol	56		8.080					
148 Ethyl acrylate	55		8.306					
81 Trichloroethene	130		8.380					
82 2-Pentanone	43		8.415					
83 Methyl methacrylate	100		8.532					
85 Methylcyclohexane	55		8.589					
84 1,2-Dichloropropane	63		8.589					
86 1,4-Dioxane	88		8.641					
87 Dibromomethane	93		8.711					
88 Dichlorobromomethane	83		8.780					
90 2-Nitropropane	41		8.950					
89 2-Chloroethyl vinyl ether	63		8.954					
91 cis-1,3-Dichloropropene	75		9.163					
92 4-Methyl-2-pentanone (MIBK	43		9.230					
93 Toluene	91		9.494					
94 Ethyl methacrylate	69		9.598					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
95 trans-1,3-Dichloropropene	75		9.615					
96 1,1,2-Trichloroethane	97		9.824					
97 2-Hexanone	43		9.978					
98 1,3-Dichloropropane	76		9.998					
144 n-Butyl acetate	43		10.029					
99 Tetrachloroethene	164		10.033					
100 Chlorodibromomethane	129		10.242					
101 Tetrahydrothiophene	60		10.290					
102 Ethylene Dibromide	107		10.398					
103 1-Chlorohexane	91		10.659					
104 Chlorobenzene	112		10.799					
105 Ethylbenzene	106		10.833					
106 1,1,1,2-Tetrachloroethane	131		10.833					
107 m-Xylene & p-Xylene	91		10.920					
108 Styrene	104		11.303					
109 o-Xylene	106		11.303					
110 Bromoform	173		11.529					
111 Isopropylbenzene	105		11.599					
112 cis-1,4-Dichloro-2-butene	53		11.647					
113 Cyclohexanone	55		11.753					
114 1,1,2,2-Tetrachloroethane	83		11.842					
115 trans-1,4-Dichloro-2-buten	53		11.895					
116 1,2,3-Trichloropropane	110		11.929					
117 N-Propylbenzene	120		11.982					
118 Bromobenzene	156		11.982					
119 1,3,5-Trimethylbenzene	105		12.121					
120 2-Chlorotoluene	126		12.121					
121 4-Chlorotoluene	126		12.208					
122 tert-Butylbenzene	119		12.469					
123 1,2,4-Trimethylbenzene	105		12.504					
124 sec-Butylbenzene	134		12.678					
125 4-Isopropyltoluene	119		12.782					
126 1,3-Dichlorobenzene	146		12.852					
127 1,2,3-Trimethylbenzene	105		12.935					
128 1,4-Dichlorobenzene	146		12.939					
146 Benzyl chloride	126		13.039					
129 n-Butylbenzene	91		13.200					
130 1,2-Dichlorobenzene	146		13.339					
131 1,2-Dibromo-3-Chloropropan	157		14.191					
16 1,3,5-Trichlorobenzene	180		14.448					
132 1,2,4-Trichlorobenzene	180		15.253					
133 Hexachlorobutadiene	225		15.427					
134 Naphthalene	128		15.653					
135 1,2,3-Trichlorobenzene	180		16.018					
18 3,3-Dimethylpentane	1		0.000					
21 2-Butoxyethanol TIC	1		0.000					
13 2,2-Dimethylpentane	1		0.000					
15 Dimethyl disulfide	1		0.000					
11 2,3-Dimethylpentane	1		0.000					
10 n-Nonyl Aldehyde	1		0.000					
12 2,2,3-Trimethylbutane	1		0.000					
143 Pentachloroethane	167		0.000					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
9 2,4-Dimethylpentane	1		0.000					
19 3-Methylhexane	1		0.000					
20 2-Methylhexane	1		0.000					
17 3-Ethylpentane	1		0.000					
22 2,3-dichloro-1-propene TIC	75		1.000					
23 Dichloroacetonitrile TIC	74		1.000					
145 2-Methylnaphthalene	142		5.393					
43 Propene oxide TIC	58		5.526					
S 142 1,2-Dichloroethene, Total	96		2.000					
S 136 Trihalomethanes, Total	1		0.000					
S 137 Xylenes, Total (URS)	1		0.000					
S 138 Total BTEX	1		0.000					
S 139 1,3-Dichloropropene, Total	1		0.000					
S 140 1,2-Dichloroethene, Total	1		0.000					
S 141 Xylenes, Total	106		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

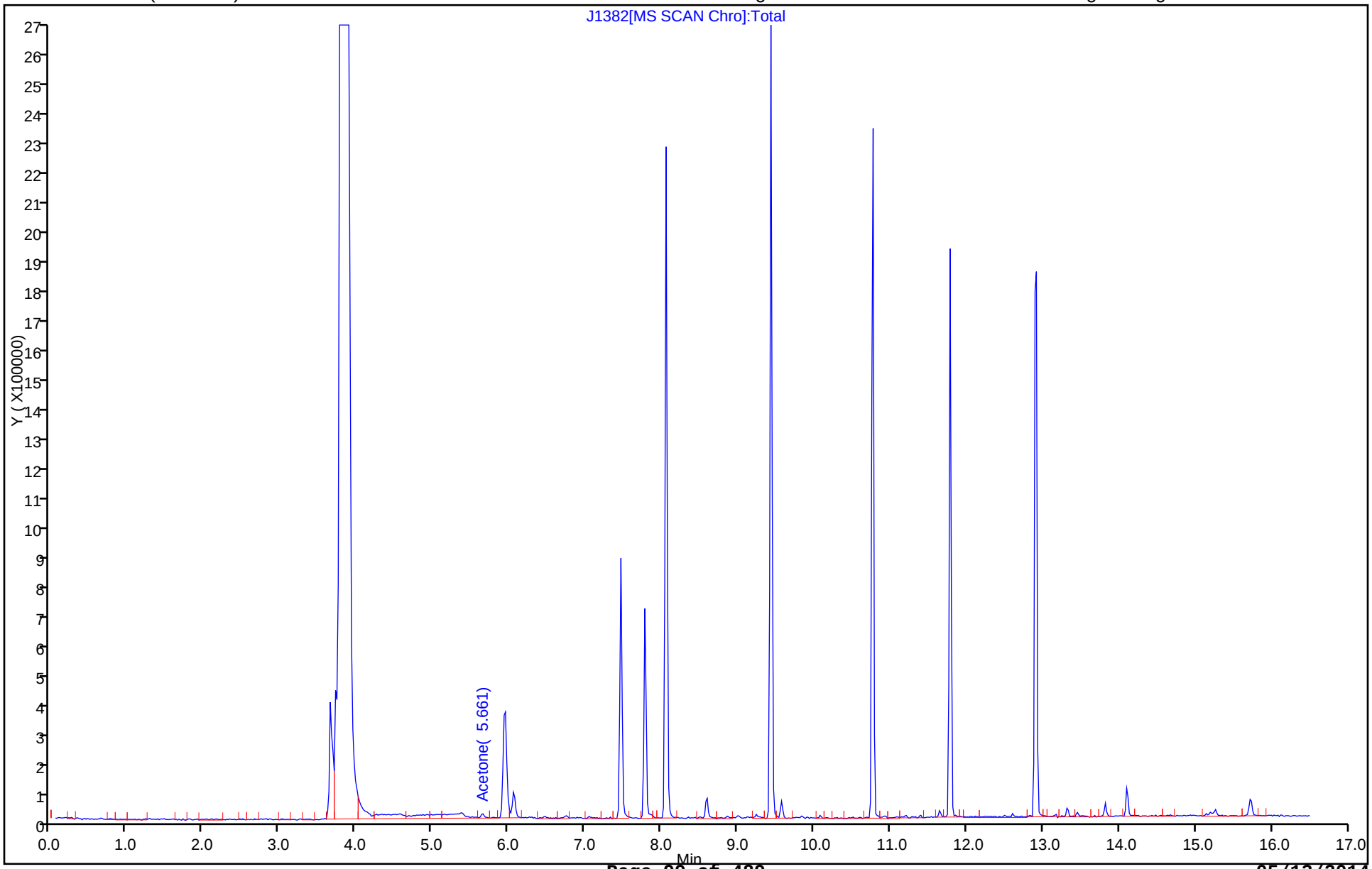
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1382.D

Injection Date:	21-Apr-2014 19:47:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	280-54473-A-1-A	Lab Sample ID:	280-54473-1	Worklist Smp#:	12
Client ID:	AOI72BT0106AA				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



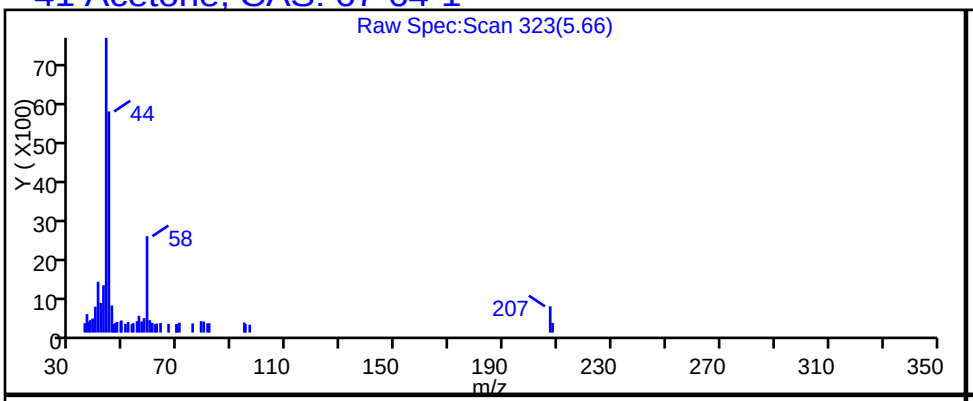
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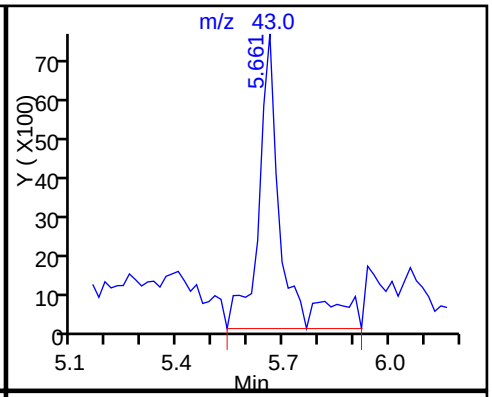
TestAmerica Denver

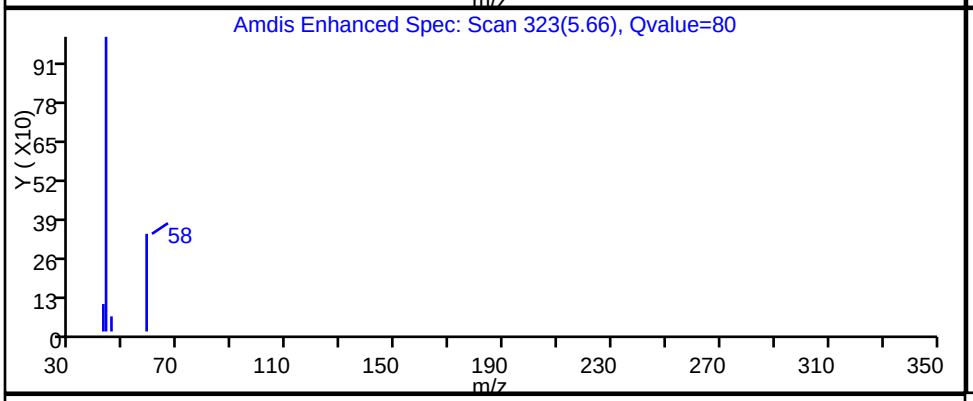
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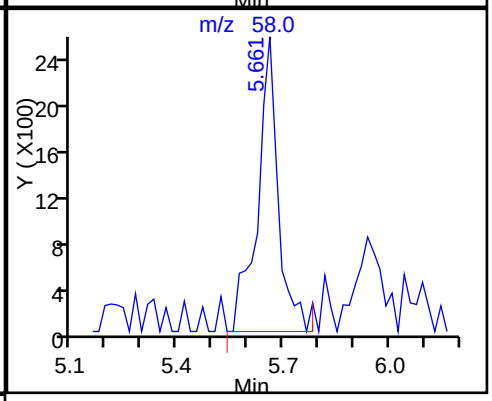
Injection Date:	21-Apr-2014 19:47:30	Instrument ID:	VMS_J
Lims ID:	280-54473-A-1-A	Lab Sample ID:	280-54473-1
Client ID:	AOI72BT0106AA		
Operator ID:	DUKESA	ALS Bottle#:	19 Worklist Smp#: 12
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid
Column:	DB-624 (0.25 mm)	Detector	MS SCAN

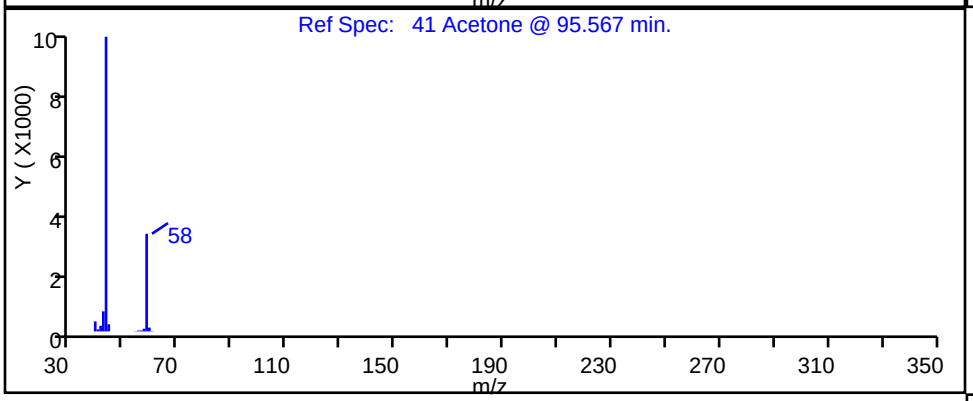
41 Acetone, CAS: 67-64-1

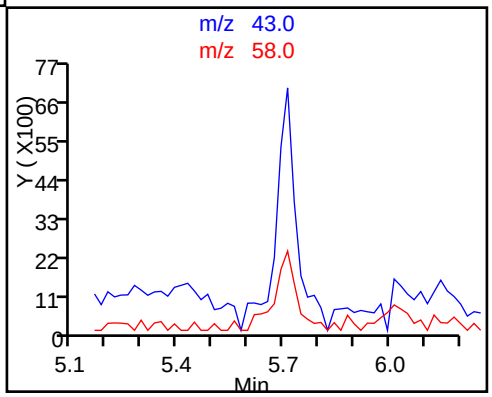












FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0206AA | Lab Sample ID: 280-54473-2

Matrix: Solid | Lab File ID: J1385.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 08:10

Sample wt/vol: 5.256(g) | Date Analyzed: 04/21/2014 20:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 18.9 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.2	U	5.9	1.2	0.66
71-55-6	1,1,1-Trichloroethane	1.2	U	5.9	1.2	0.61
79-34-5	1,1,2,2-Tetrachloroethane	1.2	U	5.9	1.2	0.72
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	23	U	23	23	0.53
79-00-5	1,1,2-Trichloroethane	1.2	U	5.9	1.2	1.0
75-34-3	1,1-Dichloroethane	0.94	U	5.9	0.94	0.25
75-35-4	1,1-Dichloroethene	1.2	U	5.9	1.2	0.69
563-58-6	1,1-Dichloropropene	1.2	U	5.9	1.2	0.63
87-61-6	1,2,3-Trichlorobenzene	1.2	U	5.9	1.2	0.88
96-18-4	1,2,3-Trichloropropane	1.2	U	5.9	1.2	0.95
120-82-1	1,2,4-Trichlorobenzene	1.2	U	5.9	1.2	0.86
95-63-6	1,2,4-Trimethylbenzene	1.2	U	5.9	1.2	0.68
96-12-8	1,2-Dibromo-3-Chloropropane	1.2	U	12	1.2	0.70
95-50-1	1,2-Dichlorobenzene	1.2	U	5.9	1.2	0.53
107-06-2	1,2-Dichloroethane	1.2	U	5.9	1.2	0.82
78-87-5	1,2-Dichloropropane	1.2	U	5.9	1.2	0.65
108-67-8	1,3,5-Trimethylbenzene	1.2	U	5.9	1.2	0.67
541-73-1	1,3-Dichlorobenzene	1.2	U	5.9	1.2	0.56
142-28-9	1,3-Dichloropropane	1.2	U	5.9	1.2	0.60
106-46-7	1,4-Dichlorobenzene	1.2	U	5.9	1.2	0.92
123-91-1	1,4-Dioxane	94	U	590	94	66
544-10-5	1-Chlorohexane	0.94	U	5.9	0.94	0.74
594-20-7	2,2-Dichloropropane	1.2	U	5.9	1.2	0.52
78-93-3	2-Butanone (MEK)	7.5	U	23	7.5	2.1
95-49-8	2-Chlorotoluene	1.2	U	5.9	1.2	0.60
591-78-6	2-Hexanone	12	U	23	12	5.7
106-43-4	4-Chlorotoluene	1.2	U	5.9	1.2	0.92
99-87-6	4-Isopropyltoluene	1.2	U	5.9	1.2	0.57
108-10-1	4-Methyl-2-pentanone (MIBK)	12	U	23	12	5.1
67-64-1	Acetone	12	U	23	12	6.3
71-43-2	Benzene	1.2	U	5.9	1.2	0.55
108-86-1	Bromobenzene	1.2	U	5.9	1.2	0.57
75-25-2	Bromoform	0.94	U	5.9	0.94	0.27
74-83-9	Bromomethane	1.2	U	12	1.2	0.59
75-15-0	Carbon disulfide	1.2	U	5.9	1.2	0.49

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0206AA | Lab Sample ID: 280-54473-2

Matrix: Solid | Lab File ID: J1385.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 08:10

Sample wt/vol: 5.256(g) | Date Analyzed: 04/21/2014 20:50

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 18.9 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	1.2	U	5.9	1.2	0.74
108-90-7	Chlorobenzene	1.2	U	5.9	1.2	0.63
74-97-5	Chlorobromomethane	1.2	U	5.9	1.2	0.35
124-48-1	Chlorodibromomethane	1.2	U	5.9	1.2	0.67
75-00-3	Chloroethane	1.2	U	12	1.2	1.0
67-66-3	Chloroform	1.2	U	12	1.2	0.34
74-87-3	Chloromethane	1.2	U	12	1.2	0.90
156-59-2	cis-1,2-Dichloroethene	1.2	U	5.9	1.2	0.66
10061-01-5	cis-1,3-Dichloropropene	2.3	U	5.9	2.3	1.5
110-82-7	Cyclohexane	1.9	U	5.9	1.9	0.47
74-95-3	Dibromomethane	1.2	U	5.9	1.2	0.99
75-27-4	Dichlorobromomethane	0.94	U	5.9	0.94	0.26
75-71-8	Dichlorodifluoromethane	1.2	U	12	1.2	0.61
100-41-4	Ethylbenzene	1.2	U	5.9	1.2	0.79
106-93-4	Ethylene Dibromide	1.2	U	5.9	1.2	0.61
87-68-3	Hexachlorobutadiene	1.2	U	5.9	1.2	0.65
98-82-8	Isopropylbenzene	1.2	U	5.9	1.2	0.69
79-20-9	Methyl acetate	4.7	U	10	4.7	3.2
1634-04-4	Methyl tert-butyl ether	1.2	U	23	1.2	0.40
108-87-2	Methylcyclohexane	0.94	U	5.9	0.94	0.49
75-09-2	Methylene Chloride	3.8	U	5.9	3.8	1.9
179601-23-1	m-Xylene & p-Xylene	2.3	U	3.8	2.3	1.2
91-20-3	Naphthalene	1.2	U	5.9	1.2	0.74
104-51-8	n-Butylbenzene	1.2	U	5.9	1.2	0.66
103-65-1	N-Propylbenzene	1.2	U	5.9	1.2	0.68
95-47-6	o-Xylene	1.2	U	5.9	1.2	0.72
135-98-8	sec-Butylbenzene	1.2	U	5.9	1.2	0.90
100-42-5	Styrene	1.2	U	5.9	1.2	0.74
98-06-6	tert-Butylbenzene	1.2	U	5.9	1.2	0.59
127-18-4	Tetrachloroethene	1.2	U	5.9	1.2	0.69
108-88-3	Toluene	1.2	U	5.9	1.2	0.81
156-60-5	trans-1,2-Dichloroethene	1.2	U	5.9	1.2	0.46
10061-02-6	trans-1,3-Dichloropropene	1.2	U	5.9	1.2	0.79
79-01-6	Trichloroethene	0.94	U	5.9	0.94	0.27
75-69-4	Trichlorofluoromethane	2.3	U	12	2.3	1.2
75-01-4	Vinyl chloride	2.3	U	5.9	2.3	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0206AA Lab Sample ID: 280-54473-2

Matrix: Solid Lab File ID: J1385.D

Analysis Method: 8260B/DoD Date Collected: 04/16/2014 08:10

Sample wt/vol: 5.256(g) Date Analyzed: 04/21/2014 20:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 18.9 Level: (low/med) Low

Analysis Batch No.: 222203 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		61-129
460-00-4	4-Bromofluorobenzene (Surr)	102		85-120
1868-53-7	Dibromofluoromethane (Surr)	96		71-126
2037-26-5	Toluene-d8 (Surr)	106		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1385.D
Lims ID: 280-54473-A-2-A Lab Sample ID: 280-54473-2
Client ID: AOI72BT0206AA
Sample Type: Client
Inject. Date: 21-Apr-2014 20:50:30 ALS Bottle#: 22 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 280-54473-a-2-a
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:33:43 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: dukesa Date: 21-Apr-2014 22:15:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96		1.051					
* 150 TBA-d9 (IS)	65	5.958	5.944	0.014	62	717290	1000.0	
* 1 Fluorobenzene	96	8.063	8.067	-0.004	98	1972842	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.764	0.014	83	461230	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.904	0.014	93	695718	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.472	7.471	0.001	69	578005	48.2	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.785	7.784	0.001	95	476952	44.4	
$ 7 Toluene-d8 (Surr)	98	9.438	9.437	0.001	84	1841170	53.0	
$ 8 4-Bromofluorobenzene (Surr	95	11.787	11.786	0.001	91	650344	51.1	
25 Dichlorodifluoromethane	85		4.152					
27 Chloromethane	50		4.358					
28 Vinyl chloride	62		4.532					
31 Bromomethane	94		4.897					
32 Chloroethane	64		4.967					
34 Trichlorofluoromethane	101		5.263					
41 Acetone	43		5.663					
42 1,1,2-Trichloro-1,2,2-trif	151		5.666					
45 1,1-Dichloroethene	96		5.700					
48 Methyl acetate	43		5.909					
51 Carbon disulfide	76		5.979					
52 Methylene Chloride	84		6.066					
54 Methyl tert-butyl ether	73		6.257					
55 trans-1,2-Dichloroethene	96		6.292					
59 1,1-Dichloroethane	63		6.640					
63 2-Butanone (MEK)	43		7.055					
65 cis-1,2-Dichloroethene	96		7.110					
67 2,2-Dichloropropane	77		7.145					
69 Chlorobromomethane	128		7.319					
70 Chloroform	83		7.336					
73 1,1,1-Trichloroethane	97		7.562					
74 Cyclohexane	56		7.649					
75 1,1-Dichloropropene	75		7.667					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
76 Carbon tetrachloride	117		7.719					
77 1,2-Dichloroethane	62		7.858					
79 Benzene	78		7.875					
81 Trichloroethene	130		8.380					
85 Methylcyclohexane	55		8.589					
84 1,2-Dichloropropane	63		8.589					
86 1,4-Dioxane	88		8.641					
87 Dibromomethane	93		8.711					
88 Dichlorobromomethane	83		8.780					
91 cis-1,3-Dichloropropene	75		9.163					
92 4-Methyl-2-pentanone (MIBK	43		9.230					
93 Toluene	91		9.494					
95 trans-1,3-Dichloropropene	75		9.615					
96 1,1,2-Trichloroethane	97		9.824					
97 2-Hexanone	43		9.978					
98 1,3-Dichloropropane	76		9.998					
99 Tetrachloroethene	164		10.033					
100 Chlorodibromomethane	129		10.242					
102 Ethylene Dibromide	107		10.398					
103 1-Chlorohexane	91		10.659					
104 Chlorobenzene	112		10.799					
105 Ethylbenzene	106		10.833					
106 1,1,1,2-Tetrachloroethane	131		10.833					
107 m-Xylene & p-Xylene	91		10.920					
108 Styrene	104		11.303					
109 o-Xylene	106		11.303					
110 Bromoform	173		11.529					
111 Isopropylbenzene	105		11.599					
114 1,1,2,2-Tetrachloroethane	83		11.842					
116 1,2,3-Trichloropropane	110		11.929					
117 N-Propylbenzene	120		11.982					
118 Bromobenzene	156		11.982					
119 1,3,5-Trimethylbenzene	105		12.121					
120 2-Chlorotoluene	126		12.121					
121 4-Chlorotoluene	126		12.208					
122 tert-Butylbenzene	119		12.469					
123 1,2,4-Trimethylbenzene	105		12.504					
124 sec-Butylbenzene	134		12.678					
125 4-Isopropyltoluene	119		12.782					
126 1,3-Dichlorobenzene	146		12.852					
128 1,4-Dichlorobenzene	146		12.939					
129 n-Butylbenzene	91		13.200					
130 1,2-Dichlorobenzene	146		13.339					
131 1,2-Dibromo-3-Chloropropan	157		14.191					
132 1,2,4-Trichlorobenzene	180		15.253					
133 Hexachlorobutadiene	225		15.427					
134 Naphthalene	128	15.650	15.653	-0.003	87	16907	0.5856	
135 1,2,3-Trichlorobenzene	180	16.015	16.018	-0.003	76	7228	0.5919	

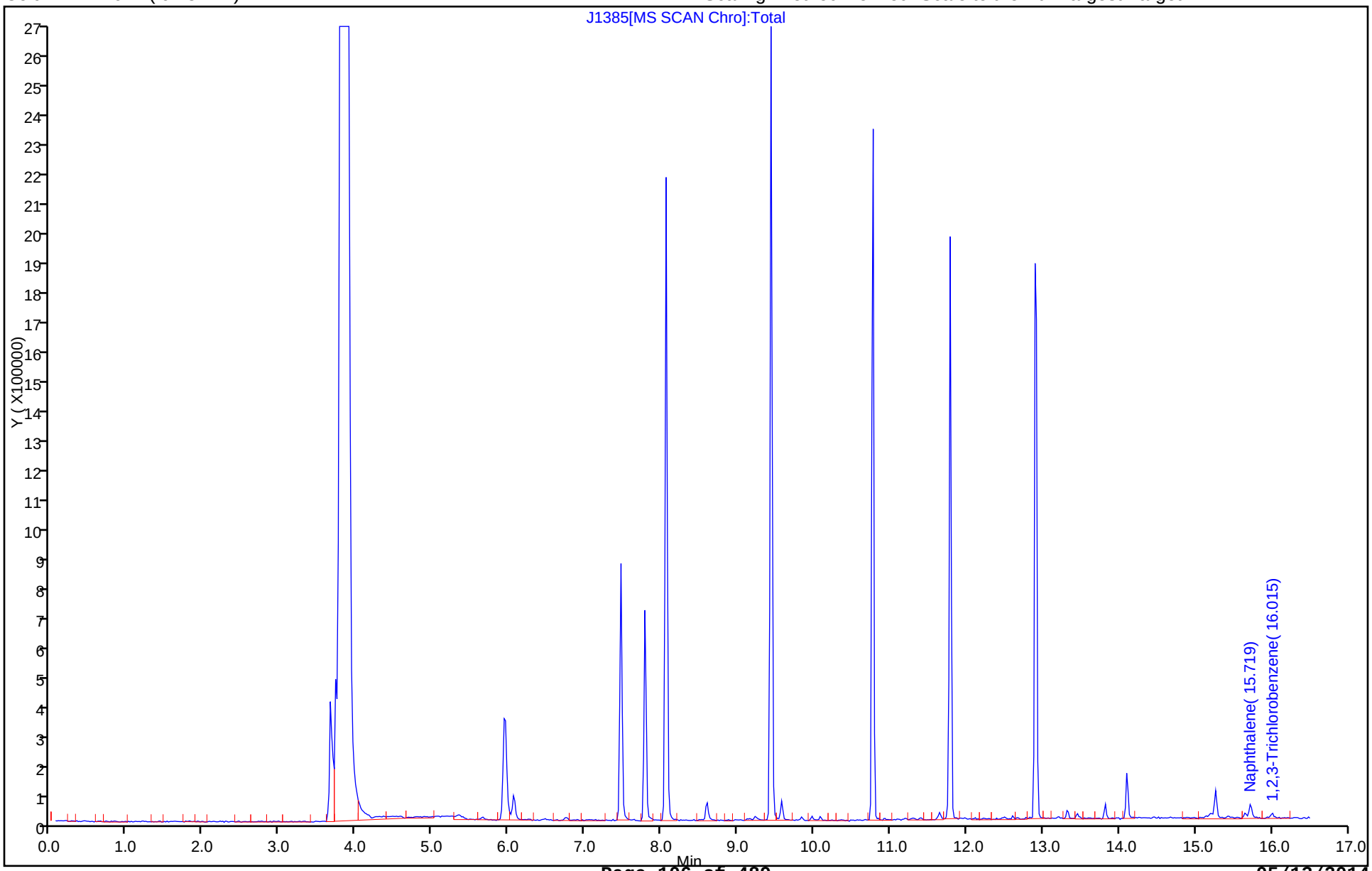
Report Date: 22-Apr-2014 16:34:03 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1385.D

Injection Date:	21-Apr-2014 20:50:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	280-54473-A-2-A	Lab Sample ID:	280-54473-2	Worklist Smp#:	15
Client ID:	AOI72BT0206AA				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AE | Lab Sample ID: 280-54473-3

Matrix: Water | Lab File ID: G2_0025.D

Analysis Method: 8260C | Date Collected: 04/16/2014 06:55

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 21:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.40	U	1.0	0.40	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	3.0	2.8	0.79
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	0.40	U	1.0	0.40	0.16
75-35-4	1,1-Dichloroethene	0.40	U	1.0	0.40	0.14
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.40	U	1.0	0.40	0.13
78-87-5	1,2-Dichloropropane	0.40	U	1.0	0.40	0.13
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.40	U	1.0	0.40	0.15
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
123-91-1	1,4-Dioxane	80	U	220	80	71
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
591-78-6	2-Hexanone	3.2	U Q	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U Q	5.0	3.2	1.0
67-64-1	Acetone	6.4	U	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AE | Lab Sample ID: 280-54473-3

Matrix: Water | Lab File ID: G2_0025.D

Analysis Method: 8260C | Date Collected: 04/16/2014 06:55

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 21:09

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.40	U	1.0	0.40	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.40	U	1.0	0.40	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-09-2	Methylene Chloride	0.80	U	5.0	0.80	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.40	U	1.5	0.40	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AE Lab Sample ID: 280-54473-3

Matrix: Water Lab File ID: G2_0025.D

Analysis Method: 8260C Date Collected: 04/16/2014 06:55

Sample wt/vol: 20(mL) Date Analyzed: 04/25/2014 21:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222940 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		70-120
460-00-4	4-Bromofluorobenzene (Surr)	94		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115
2037-26-5	Toluene-d8 (Surr)	92		85-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0025.D
Lims ID: 280-54473-A-3 Lab Sample ID: 280-54473-3
Client ID: 041614AE
Sample Type: Client
Inject. Date: 25-Apr-2014 21:09:30 ALS Bottle#: 11 Worklist Smp#: 12
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: 280-54473-a-3 PH<2
Operator ID: DUKESA Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:03:52 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 21:43:20

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	183417	250.0	
* 1 Fluorobenzene	96	7.569	7.570	-0.001	98	1952633	12.5	
* 2 Chlorobenzene-d5	119	9.800	9.801	-0.001	86	416222	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	96	553005	12.5	
* 149 1,4-Dioxane-d8	96		0.000					
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	58	368815	9.01	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	96	327741	9.13	
$ 7 Toluene-d8 (Surr)	98	8.742	8.742	0.000	93	1638402	9.23	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	88	489410	9.39	
25 Dichlorodifluoromethane	85		3.979					
27 Chloromethane	50		4.161					
28 Vinyl chloride	62		4.314					
31 Bromomethane	94		4.677					
32 Chloroethane	64		4.747					
35 Trichlorofluoromethane	101		4.970					
42 Acetone	43		5.361					
45 1,1-Dichloroethene	96		5.389					
43 1,1,2-Trichloro-1,2,2-trif	151		5.389					
48 Methyl acetate	43		5.585					
50 Carbon disulfide	76		5.669					
52 Methylene Chloride	84		5.725					
54 Methyl tert-butyl ether	73		5.920					
55 trans-1,2-Dichloroethene	96		5.948					
59 1,1-Dichloroethane	63		6.261					
62 2-Butanone (MEK)	43		6.640					
66 cis-1,2-Dichloroethene	96		6.683					
67 2,2-Dichloropropane	77		6.726					
69 Chlorobromomethane	128		6.876					
70 Chloroform	83		6.883					
73 1,1,1-Trichloroethane	97		7.112					
74 Cyclohexane	56		7.198					
75 1,1-Dichloropropene	75		7.212					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
76 Carbon tetrachloride	117		7.255					
77 1,2-Dichloroethane	62		7.355					
79 Benzene	78		7.384					
81 Trichloroethene	95		7.841					
84 1,2-Dichloropropane	63		8.020					
85 Methylcyclohexane	55		8.049					
86 1,4-Dioxane	88		8.070					
87 Dibromomethane	93		8.120					
88 Dichlorobromomethane	83		8.184					
91 cis-1,3-Dichloropropene	75		8.506					
92 4-Methyl-2-pentanone (MIBK	43		8.563					
93 Toluene	91		8.785					
95 trans-1,3-Dichloropropene	75		8.871					
96 1,1,2-Trichloroethane	97		9.035					
97 2-Hexanone	43		9.150					
98 1,3-Dichloropropane	76		9.164					
99 Tetrachloroethene	164		9.207					
100 Chlorodibromomethane	129		9.357					
102 Ethylene Dibromide	107		9.479					
103 1-Chlorohexane	91		9.715					
104 Chlorobenzene	112		9.822					
105 1,1,1,2-Tetrachloroethane	131		9.858					
106 Ethylbenzene	106		9.865					
107 m-Xylene & p-Xylene	106		9.936					
108 o-Xylene	106		10.251					
109 Styrene	104		10.251					
110 Bromoform	173		10.444					
111 Isopropylbenzene	105		10.508					
114 1,1,2,2-Tetrachloroethane	83		10.701					
116 1,2,3-Trichloropropane	110		10.766					
118 N-Propylbenzene	120		10.823					
117 Bromobenzene	156		10.823					
119 1,3,5-Trimethylbenzene	105		10.930					
120 2-Chlorotoluene	126		10.944					
121 4-Chlorotoluene	126		11.016					
122 tert-Butylbenzene	119		11.223					
123 1,2,4-Trimethylbenzene	105		11.252					
124 sec-Butylbenzene	134		11.402					
125 4-Isopropyltoluene	119		11.495					
126 1,3-Dichlorobenzene	146		11.559					
127 1,4-Dichlorobenzene	146		11.624					
129 n-Butylbenzene	91		11.845					
130 1,2-Dichlorobenzene	146		11.974					
131 1,2-Dibromo-3-Chloropropan	157		12.696					
132 1,2,4-Trichlorobenzene	180		13.626					
133 Hexachlorobutadiene	225		13.783					
134 Naphthalene	128		13.976					
135 1,2,3-Trichlorobenzene	180		14.291					

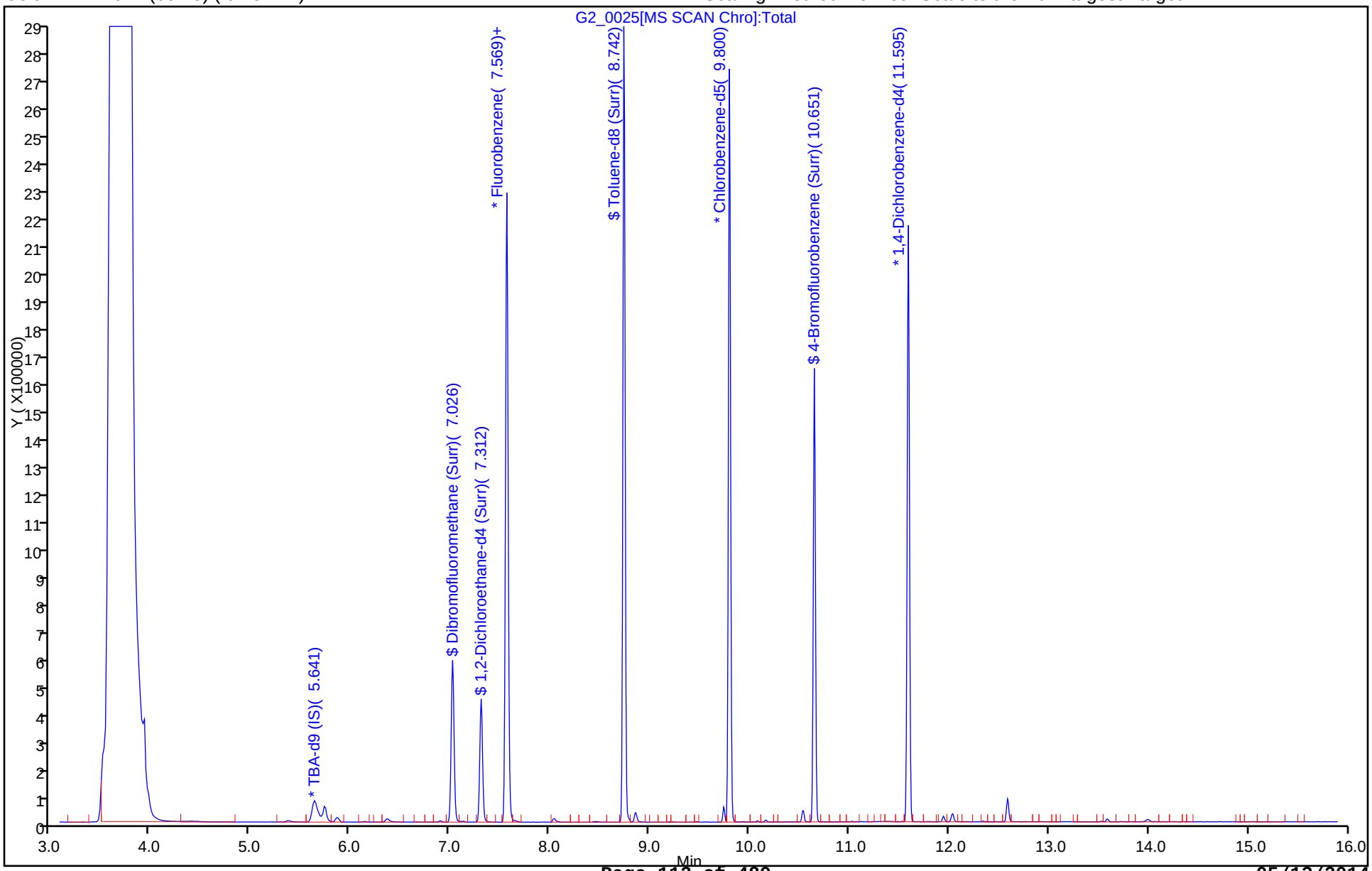
Report Date: 28-Apr-2014 16:05:09 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0025.D

Injection Date:	25-Apr-2014 21:09:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	280-54473-A-3	Lab Sample ID:	280-54473-3	Worklist Smp#:	12
Client ID:	041614AE				
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AF | Lab Sample ID: 280-54473-4

Matrix: Water | Lab File ID: G2_0026.D

Analysis Method: 8260C | Date Collected: 04/16/2014 09:50

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 21:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.40	U	1.0	0.40	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	3.0	2.8	0.79
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	0.40	U	1.0	0.40	0.16
75-35-4	1,1-Dichloroethene	0.40	U	1.0	0.40	0.14
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.40	U	1.0	0.40	0.13
78-87-5	1,2-Dichloropropane	0.40	U	1.0	0.40	0.13
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.40	U	1.0	0.40	0.15
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
123-91-1	1,4-Dioxane	80	U	220	80	71
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
591-78-6	2-Hexanone	3.2	U Q	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U Q	5.0	3.2	1.0
67-64-1	Acetone	6.4	U	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AF | Lab Sample ID: 280-54473-4

Matrix: Water | Lab File ID: G2_0026.D

Analysis Method: 8260C | Date Collected: 04/16/2014 09:50

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 21:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.40	U	1.0	0.40	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.40	U	1.0	0.40	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-09-2	Methylene Chloride	0.80	U	5.0	0.80	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.40	U	1.5	0.40	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AF Lab Sample ID: 280-54473-4

Matrix: Water Lab File ID: G2_0026.D

Analysis Method: 8260C Date Collected: 04/16/2014 09:50

Sample wt/vol: 20(mL) Date Analyzed: 04/25/2014 21:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222940 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-120
460-00-4	4-Bromofluorobenzene (Surr)	106		75-120
1868-53-7	Dibromofluoromethane (Surr)	100		85-115
2037-26-5	Toluene-d8 (Surr)	102		85-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0026.D
Lims ID: 280-54473-B-4 Lab Sample ID: 280-54473-4
Client ID: 041614AF
Sample Type: Client
Inject. Date: 25-Apr-2014 21:29:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: 280-54473-b-4 PH<2
Operator ID: DUKESA Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:03:52 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 21:58:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	175140	250.0	
* 1 Fluorobenzene	96	7.570	7.570	0.000	98	1734184	12.5	
* 2 Chlorobenzene-d5	119	9.801	9.801	0.000	86	372832	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	96	500033	12.5	
* 149 1,4-Dioxane-d8	96		0.000					
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	57	365059	10.0	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	96	333447	10.5	
$ 7 Toluene-d8 (Surr)	98	8.742	8.742	0.000	93	1617136	10.2	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	87	498280	10.6	
25 Dichlorodifluoromethane	85		3.979					
27 Chloromethane	50		4.161					
28 Vinyl chloride	62		4.314					
31 Bromomethane	94		4.677					
32 Chloroethane	64		4.747					
35 Trichlorofluoromethane	101		4.970					
42 Acetone	43		5.361					
45 1,1-Dichloroethene	96		5.389					
43 1,1,2-Trichloro-1,2,2-trif	151		5.389					
48 Methyl acetate	43		5.585					
50 Carbon disulfide	76		5.669					
52 Methylene Chloride	84		5.725					
54 Methyl tert-butyl ether	73		5.920					
55 trans-1,2-Dichloroethene	96		5.948					
59 1,1-Dichloroethane	63		6.261					
62 2-Butanone (MEK)	43		6.640					
66 cis-1,2-Dichloroethene	96		6.683					
67 2,2-Dichloropropane	77		6.726					
69 Chlorobromomethane	128		6.876					
70 Chloroform	83		6.883					
73 1,1,1-Trichloroethane	97		7.112					
74 Cyclohexane	56		7.198					
75 1,1-Dichloropropene	75		7.212					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
76 Carbon tetrachloride	117		7.255					
77 1,2-Dichloroethane	62		7.355					
79 Benzene	78		7.384					
81 Trichloroethene	95		7.841					
84 1,2-Dichloropropane	63		8.020					
85 Methylcyclohexane	55		8.049					
86 1,4-Dioxane	88		8.070					
87 Dibromomethane	93		8.120					
88 Dichlorobromomethane	83		8.184					
91 cis-1,3-Dichloropropene	75		8.506					
92 4-Methyl-2-pentanone (MIBK	43		8.563					
93 Toluene	91		8.785					
95 trans-1,3-Dichloropropene	75		8.871					
96 1,1,2-Trichloroethane	97		9.035					
97 2-Hexanone	43		9.150					
98 1,3-Dichloropropane	76		9.164					
99 Tetrachloroethene	164		9.207					
100 Chlorodibromomethane	129		9.357					
102 Ethylene Dibromide	107		9.479					
103 1-Chlorohexane	91		9.715					
104 Chlorobenzene	112		9.822					
105 1,1,1,2-Tetrachloroethane	131		9.858					
106 Ethylbenzene	106		9.865					
107 m-Xylene & p-Xylene	106		9.936					
108 o-Xylene	106		10.251					
109 Styrene	104		10.251					
110 Bromoform	173		10.444					
111 Isopropylbenzene	105		10.508					
114 1,1,2,2-Tetrachloroethane	83		10.701					
116 1,2,3-Trichloropropane	110		10.766					
118 N-Propylbenzene	120		10.823					
117 Bromobenzene	156		10.823					
119 1,3,5-Trimethylbenzene	105		10.930					
120 2-Chlorotoluene	126		10.944					
121 4-Chlorotoluene	126		11.016					
122 tert-Butylbenzene	119		11.223					
123 1,2,4-Trimethylbenzene	105		11.252					
124 sec-Butylbenzene	134		11.402					
125 4-Isopropyltoluene	119		11.495					
126 1,3-Dichlorobenzene	146		11.559					
127 1,4-Dichlorobenzene	146		11.624					
129 n-Butylbenzene	91		11.845					
130 1,2-Dichlorobenzene	146		11.974					
131 1,2-Dibromo-3-Chloropropan	157		12.696					
132 1,2,4-Trichlorobenzene	180		13.626					
133 Hexachlorobutadiene	225		13.783					
134 Naphthalene	128		13.976					
135 1,2,3-Trichlorobenzene	180		14.291					

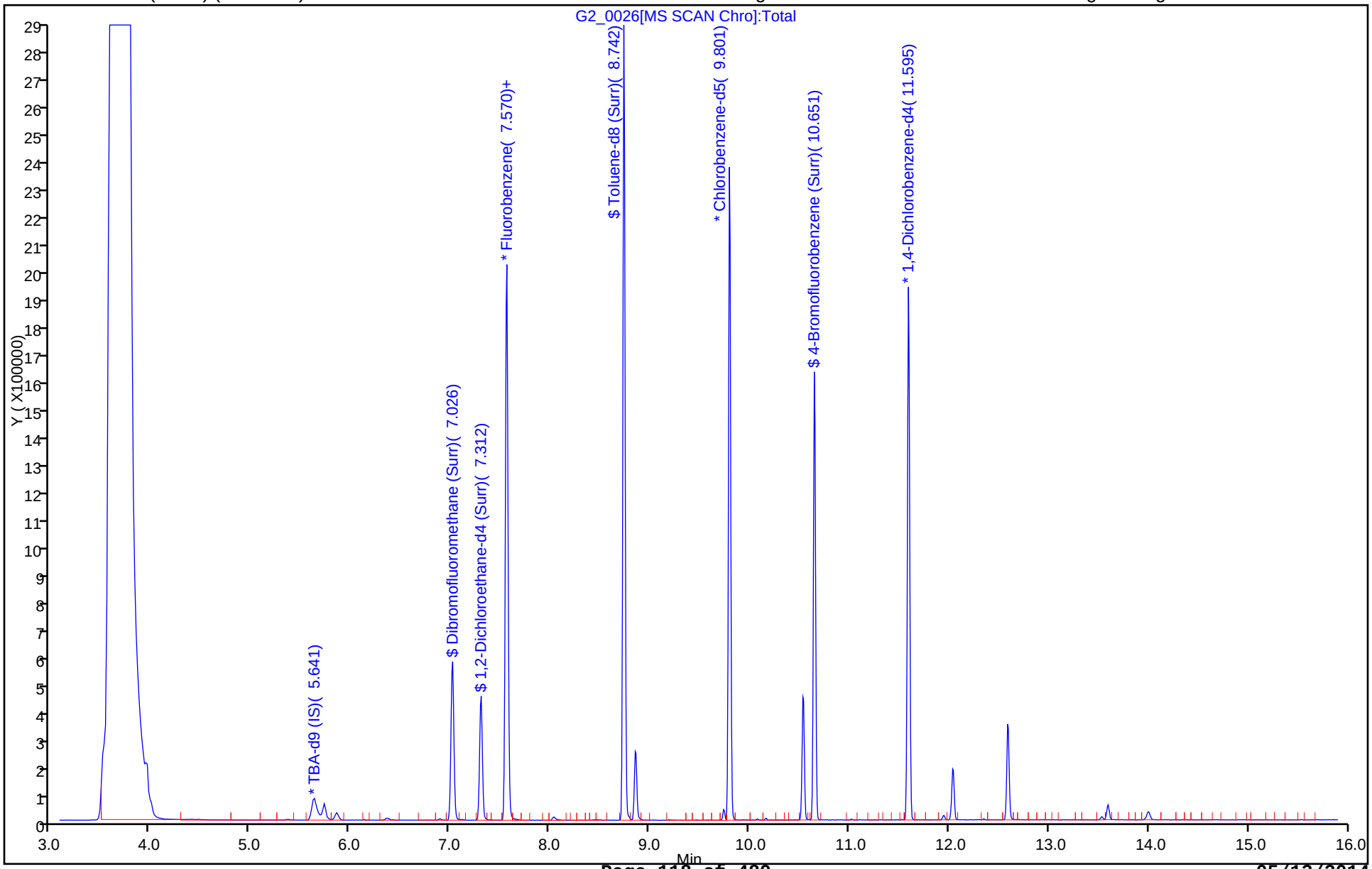
Report Date: 28-Apr-2014 16:05:08 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0026.D

Injection Date:	25-Apr-2014 21:29:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	280-54473-B-4	Lab Sample ID:	280-54473-4	Worklist Smp#:	13
Client ID:	041614AF				
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AR | Lab Sample ID: 280-54473-5

Matrix: Water | Lab File ID: G2_0027.D

Analysis Method: 8260C | Date Collected: 04/16/2014 06:45

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 21:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.40	U	1.0	0.40	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	3.0	2.8	0.79
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	0.40	U	1.0	0.40	0.16
75-35-4	1,1-Dichloroethene	0.40	U	1.0	0.40	0.14
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.40	U	1.0	0.40	0.13
78-87-5	1,2-Dichloropropane	0.40	U	1.0	0.40	0.13
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.40	U	1.0	0.40	0.15
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
123-91-1	1,4-Dioxane	80	U	220	80	71
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
591-78-6	2-Hexanone	3.2	U Q	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U Q	5.0	3.2	1.0
67-64-1	Acetone	6.4	U	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AR | Lab Sample ID: 280-54473-5

Matrix: Water | Lab File ID: G2_0027.D

Analysis Method: 8260C | Date Collected: 04/16/2014 06:45

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 21:49

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.40	U	1.0	0.40	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.40	U	1.0	0.40	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-09-2	Methylene Chloride	0.80	U	5.0	0.80	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.40	U	1.5	0.40	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: 041614AR Lab Sample ID: 280-54473-5

Matrix: Water Lab File ID: G2_0027.D

Analysis Method: 8260C Date Collected: 04/16/2014 06:45

Sample wt/vol: 20(mL) Date Analyzed: 04/25/2014 21:49

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222940 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	94		70-120
460-00-4	4-Bromofluorobenzene (Surr)	92		75-120
1868-53-7	Dibromofluoromethane (Surr)	90		85-115
2037-26-5	Toluene-d8 (Surr)	90		85-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0027.D
Lims ID: 280-54473-A-5 Lab Sample ID: 280-54473-5
Client ID: 041614AR
Sample Type: Client
Inject. Date: 25-Apr-2014 21:49:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: 280-54473-a-5 PH<2
Operator ID: DUKESA Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:03:52 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 22:21:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	210440	250.0	
* 1 Fluorobenzene	96	7.569	7.570	-0.001	98	1928330	12.5	
* 2 Chlorobenzene-d5	119	9.808	9.801	0.007	86	406182	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	96	553606	12.5	
* 149 1,4-Dioxane-d8	96		0.000					
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	58	365089	9.04	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	96	333415	9.41	
$ 7 Toluene-d8 (Surr)	98	8.749	8.742	0.007	93	1559523	9.00	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	88	482565	9.24	
25 Dichlorodifluoromethane	85		3.979					
27 Chloromethane	50		4.161					
28 Vinyl chloride	62		4.314					
31 Bromomethane	94		4.677					
32 Chloroethane	64		4.747					
35 Trichlorofluoromethane	101		4.970					
42 Acetone	43		5.361					
45 1,1-Dichloroethene	96		5.389					
43 1,1,2-Trichloro-1,2,2-trif	151		5.389					
48 Methyl acetate	43		5.585					
50 Carbon disulfide	76		5.669					
52 Methylene Chloride	84		5.725					
54 Methyl tert-butyl ether	73		5.920					
55 trans-1,2-Dichloroethene	96		5.948					
59 1,1-Dichloroethane	63		6.261					
62 2-Butanone (MEK)	43		6.640					
66 cis-1,2-Dichloroethene	96		6.683					
67 2,2-Dichloropropane	77		6.726					
69 Chlorobromomethane	128		6.876					
70 Chloroform	83		6.883					
73 1,1,1-Trichloroethane	97		7.112					
74 Cyclohexane	56		7.198					
75 1,1-Dichloropropene	75		7.212					

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
76 Carbon tetrachloride	117		7.255					
77 1,2-Dichloroethane	62		7.355					
79 Benzene	78		7.384					
81 Trichloroethene	95		7.841					
84 1,2-Dichloropropane	63		8.020					
85 Methylcyclohexane	55		8.049					
86 1,4-Dioxane	88		8.070					
87 Dibromomethane	93		8.120					
88 Dichlorobromomethane	83		8.184					
91 cis-1,3-Dichloropropene	75		8.506					
92 4-Methyl-2-pentanone (MIBK	43		8.563					
93 Toluene	91		8.785					
95 trans-1,3-Dichloropropene	75		8.871					
96 1,1,2-Trichloroethane	97		9.035					
97 2-Hexanone	43		9.150					
98 1,3-Dichloropropane	76		9.164					
99 Tetrachloroethene	164		9.207					
100 Chlorodibromomethane	129		9.357					
102 Ethylene Dibromide	107		9.479					
103 1-Chlorohexane	91		9.715					
104 Chlorobenzene	112		9.822					
105 1,1,1,2-Tetrachloroethane	131		9.858					
106 Ethylbenzene	106		9.865					
107 m-Xylene & p-Xylene	106		9.936					
108 o-Xylene	106		10.251					
109 Styrene	104		10.251					
110 Bromoform	173		10.444					
111 Isopropylbenzene	105		10.508					
114 1,1,2,2-Tetrachloroethane	83		10.701					
116 1,2,3-Trichloropropane	110		10.766					
118 N-Propylbenzene	120		10.823					
117 Bromobenzene	156		10.823					
119 1,3,5-Trimethylbenzene	105		10.930					
120 2-Chlorotoluene	126		10.944					
121 4-Chlorotoluene	126		11.016					
122 tert-Butylbenzene	119		11.223					
123 1,2,4-Trimethylbenzene	105		11.252					
124 sec-Butylbenzene	134		11.402					
125 4-Isopropyltoluene	119		11.495					
126 1,3-Dichlorobenzene	146		11.559					
127 1,4-Dichlorobenzene	146		11.624					
129 n-Butylbenzene	91		11.845					
130 1,2-Dichlorobenzene	146		11.974					
131 1,2-Dibromo-3-Chloropropan	157		12.696					
132 1,2,4-Trichlorobenzene	180		13.626					
133 Hexachlorobutadiene	225		13.783					
134 Naphthalene	128		13.976					
135 1,2,3-Trichlorobenzene	180		14.291					

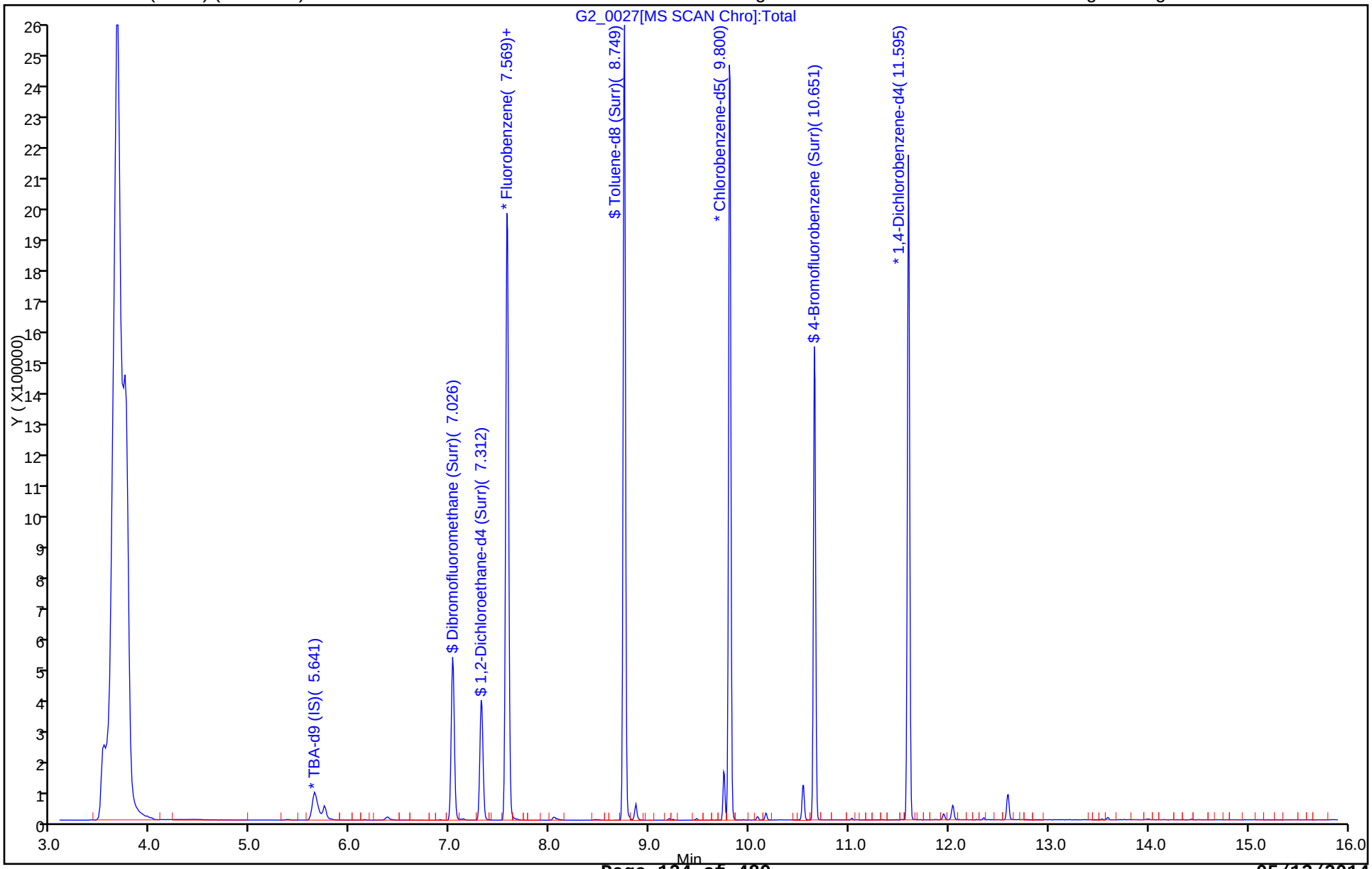
Report Date: 28-Apr-2014 16:05:07 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0027.D

Injection Date:	25-Apr-2014 21:49:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	280-54473-A-5	Lab Sample ID:	280-54473-5	Worklist Smp#:	14
Client ID:	041614AR				
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 215451

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 12:49 Calibration End Date: 03/05/2014 14:30 Calibration ID: 17333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-215451/32	G2_8116.D
Level 2	IC 280-215451/33	G2_8117.D
Level 3	IC 280-215451/34	G2_8118.D
Level 4	ICIS 280-215451/35	G2_8119.D
Level 5	IC 280-215451/36	G2_8120.D
Level 6	IC 280-215451/37	G2_8121.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0010	0.0007	0.0012	0.0009	0.0010	Lin1	-0.005	0.0010							0.9950		0.9900
Propene oxide	0.0241 0.0187	0.0197	0.0218	0.0188	0.0197	Ave		0.0205				10.0		15.0			
Isopropyl alcohol	0.0067 0.0057	0.0054	0.0057	0.0048	0.0054	Ave		0.0056				11.0		15.0			
Acetonitrile	0.0136 0.0099	0.0102	0.0113	0.0094	0.0099	Ave		0.0107				14.0		15.0			
Isopropyl ether	0.2317 0.2117	0.2016	0.2131	0.1917	0.2071	Ave		0.2095				6.4		15.0			
2-Chloro-1,3-butadiene	0.5595 0.4766	0.4673	0.5147	0.4521	0.4753	Ave		0.4909				8.0		15.0			
Tert-butyl ethyl ether	0.7082 0.6024	0.6034	0.6377	0.5648	0.6020	Ave		0.6197				7.9		15.0			
Ethyl acetate	0.0756 0.0584	0.0596	0.0597	0.0533	0.0563	Ave		0.0605				13.0		15.0			
Propionitrile	0.0130 0.0117	0.0109	0.0121	0.0106	0.0116	Ave		0.0117				7.4		15.0			
Methacrylonitrile	0.0676 0.0512	0.0554	0.0598	0.0507	0.0527	Ave		0.0562				12.0		15.0			
Tert-amyl methyl ether	0.5411 0.4817	0.4530	0.4916	0.4331	0.4752	Ave		0.4793				7.7		15.0			
Methyl methacrylate	0.0307 0.0313	0.0268	0.0308	0.0272	0.0305	Ave		0.0296				6.7		15.0			
2-Nitropropane	0.0212 0.0218	0.0184	0.0201	0.0185	0.0211	Ave		0.0202				7.2		15.0			
cis-1,4-Dichloro-2-butene	0.1273 0.1297	0.1122	0.1262	0.1119	0.1256	Ave		0.1222				6.5		15.0			
Dibromofluoromethane (Surr)	0.2798 0.2450	0.2362	0.2482	0.2178	0.2366	Ave		0.2439				8.4		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 215451

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 12:49 Calibration End Date: 03/05/2014 14:30 Calibration ID: 17333

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,2-Dichloroethane-d4 (Surr)	0.2395 0.1962	0.1934	0.2033	0.1770	0.1908	Ave		0.2000				11.0		15.0			
Toluene-d8 (Surr)	7.2354 5.1375	5.8938	6.1333	5.2847	5.3879	Ave		5.8454				13.0		15.0			
4-Bromofluorobenzene (Surr)	1.5932 1.2858	1.2914	1.3271	1.1804	1.2394	Ave		1.3196				11.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 215451

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 12:49 Calibration End Date: 03/05/2014 14:30 Calibration ID: 17333

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-215451/32	G2_8116.D
Level 2	IC 280-215451/33	G2_8117.D
Level 3	IC 280-215451/34	G2_8118.D
Level 4	ICIS 280-215451/35	G2_8119.D
Level 5	IC 280-215451/36	G2_8120.D
Level 6	IC 280-215451/37	G2_8121.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Ethanol	FB	Lin1	+++++ 449710	13534	48895	84081	235269	+++++ 3000	100	250	500	1500
Propene oxide	FB	Ave	189374 8652108	368906	886055	1684754	4802508	50.0 3000	100	250	500	1500
Isopropyl alcohol	FB	Ave	10527 527930	20217	46636	86358	264019	10.0 600	20.0	50.0	100	300
Acetonitrile	FB	Ave	21413 918727	38260	91616	167872	480933	10.0 600	20.0	50.0	100	300
Isopropyl ether	FB	Ave	36454 1962988	75401	173023	342734	1008333	1.00 60.0	2.00	5.00	10.0	30.0
2-Chloro-1,3-butadiene	FB	Ave	88025 4418240	174748	417868	808354	2314265	1.00 60.0	2.00	5.00	10.0	30.0
Tert-butyl ethyl ether	FB	Ave	111408 5584368	225660	517745	1009824	2931039	1.00 60.0	2.00	5.00	10.0	30.0
Ethyl acetate	FB	Ave	23800 1082783	44605	97013	190634	547807	2.00 120	4.00	10.0	20.0	60.0
Propionitrile	FB	Ave	20524 1082191	40910	98108	190123	562955	10.0 600	20.0	50.0	100	300
Methacrylonitrile	FB	Ave	106273 4747667	207277	485581	906988	2564604	10.0 600	20.0	50.0	100	300
Tert-amyl methyl ether	FB	Ave	85121 4465884	169405	399090	774479	2313585	1.00 60.0	2.00	5.00	10.0	30.0
Methyl methacrylate	FB	Ave	9650 581217	20080	50045	97449	296770	2.00 120	4.00	10.0	20.0	60.0
2-Nitropropane	FB	Ave	6679 403506	13747	32658	65993	205192	2.00 120	4.00	10.0	20.0	60.0
cis-1,4-Dichloro-2-butene	DCB	Ave	5377 338891	11177	28016	54973	168843	1.00 60.0	2.00	5.00	10.0	30.0
Dibromofluoromethane (Surr)	FB	Ave	44013 2271842	88317	201525	389481	1151821	1.00 60.0	2.00	5.00	10.0	30.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	37670 1819034	72343	165049	316474	929006	1.00 60.0	2.00	5.00	10.0	30.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 215451

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/05/2014 12:49 Calibration End Date: 03/05/2014 14:30 Calibration ID: 17333

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toluene-d8 (Surr)	CBZ	Ave	229053 9751274	444449	1001794	1920972	5321063	1.00 60.0	2.00	5.00	10.0	30.0
4-Bromofluorobenzene (Surr)	DCB	Ave	67284 3358613	128675	294683	579777	1665433	1.00 60.0	2.00	5.00	10.0	30.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8116.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 05-Mar-2014 12:49:30 ALS Bottle#: 22 Worklist Smp#: 32
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 08:18:19 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 06:13:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.0	0	240903	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.0	99	1966459	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.851	0.0	85	395715	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.0	96	527889	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.048	7.048	0.0	49	44013	1.15	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.341	7.334	0.007	92	37670	1.20	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.0	91	229053	1.24	
$ 8 4-Bromofluorobenzene (Surr)	95	10.716	10.709	0.007	85	67284	1.21	
30 Ethylene oxide	43	4.635	4.635	0.0	99	222131	-96.8	
34 Ethanol	45		5.012					
39 Propene oxide	58	5.250	5.250	0.0	94	189374	58.8	
44 Isopropyl alcohol	45	5.403	5.403	0.0	29	10527	11.9	
46 Acetonitrile	41	5.599	5.599	0.0	98	21413	12.7	
58 Isopropyl ether	87	6.261	6.261	0.0	94	36454	1.11	
60 2-Chloro-1,3-butadiene	53	6.368	6.368	0.0	83	88025	1.14	
61 Tert-butyl ethyl ether	59	6.533	6.533	0.0	98	111408	1.14	
63 Ethyl acetate	43	6.654	6.654	0.0	80	23800	2.50	
64 Propionitrile	54	6.711	6.704	0.007	73	20524	11.2	
68 Methacrylonitrile	41	6.840	6.840	0.0	90	106273	12.0	
78 Tert-amyl methyl ether	73	7.419	7.419	0.0	97	85121	1.13	
80 n-Butanol	56	7.605	7.605	0.0	23	19087	25.8	
83 Methyl methacrylate	100	8.013	8.013	0.0	83	9650	2.07	
89 2-Nitropropane	41	8.363	8.363	0.0	80	6679	2.11	
101 Tetrahydrothiophene	60	9.457	9.457	0.0	65	15374	1.10	
112 cis-1,4-Dichloro-2-butene	53	10.580	10.580	0.0	4	5377	1.04	
128 1,2,3-Trimethylbenzene	105	11.695	11.695	0.0	68	180518	1.16	
16 1,3,5-Trichlorobenzene	180	13.004	13.004	0.0	94	70188	1.15	
146 Benzyl chloride	126		0.0					
148 Ethyl acrylate	55		0.0					
144 n-Butyl acetate	43		0.0					

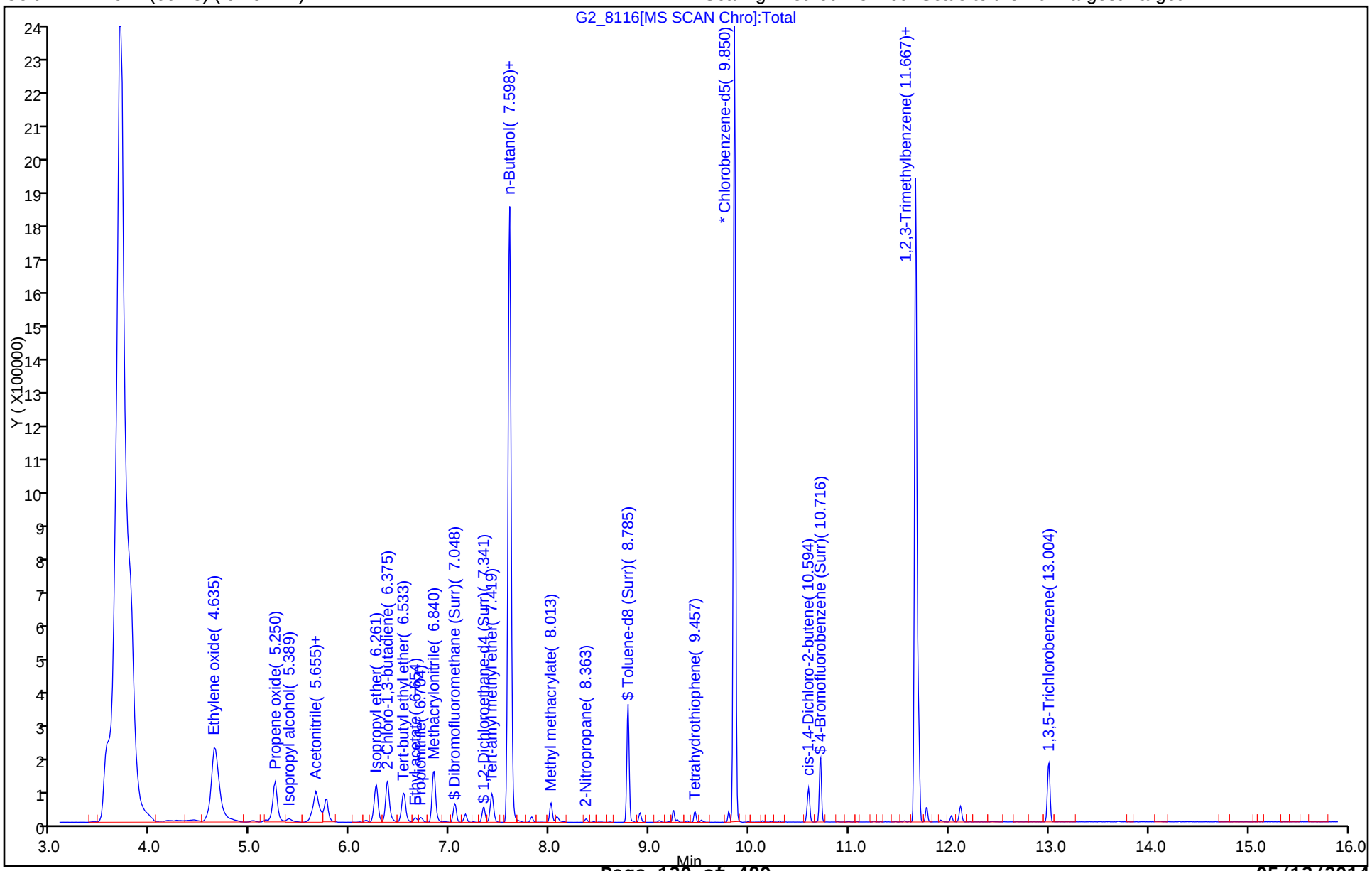
Report Date: 06-Mar-2014 08:18:19 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8116.D

Injection Date:	05-Mar-2014 12:49:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	32
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8117.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 05-Mar-2014 13:09:30 ALS Bottle#: 23 Worklist Smp#: 33
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 08:18:18 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 06:14:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.0	0	273731	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.0	99	2337268	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.851	0.0	85	471309	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.0	95	622730	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.048	7.048	0.0	54	88317	1.94	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.334	7.334	0.0	99	72343	1.93	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.0	92	444449	2.02	
$ 8 4-Bromofluorobenzene (Surr)	95	10.708	10.709	-0.001	85	128675	1.96	
30 Ethylene oxide	43	4.649	4.635	0.014	99	421533	134.1	
34 Ethanol	45	5.012	5.012	0.0	56	13534	78.9	
39 Propene oxide	58	5.250	5.250	0.0	95	368906	96.3	
44 Isopropyl alcohol	45	5.403	5.403	0.0	71	20217	19.2	
46 Acetonitrile	41	5.599	5.599	0.0	99	38260	19.1	
58 Isopropyl ether	87	6.261	6.261	0.0	95	75401	1.92	
60 2-Chloro-1,3-butadiene	53	6.368	6.368	0.0	88	174748	1.90	
61 Tert-butyl ethyl ether	59	6.533	6.533	0.0	98	225660	1.95	
63 Ethyl acetate	43	6.647	6.654	-0.007	94	44605	3.94	
64 Propionitrile	54	6.704	6.704	0.0	86	40910	18.8	
68 Methacrylonitrile	41	6.840	6.840	0.0	91	207277	19.7	
78 Tert-amyl methyl ether	73	7.419	7.419	0.0	97	169405	1.89	
80 n-Butanol	56	7.605	7.605	0.0	62	31939	46.8	
83 Methyl methacrylate	100	8.013	8.013	0.0	89	20080	3.63	
89 2-Nitropropane	41	8.363	8.363	0.0	79	13747	3.65	
101 Tetrahydrothiophene	60	9.457	9.457	0.0	81	30291	1.81	
112 cis-1,4-Dichloro-2-butene	53	10.580	10.580	0.0	73	11177	1.84	
128 1,2,3-Trimethylbenzene	105	11.695	11.695	0.0	94	359736	1.96	
16 1,3,5-Trichlorobenzene	180	13.004	13.004	0.0	96	134803	1.87	
146 Benzyl chloride	126		0.0					
148 Ethyl acrylate	55		0.0					
144 n-Butyl acetate	43		0.0					

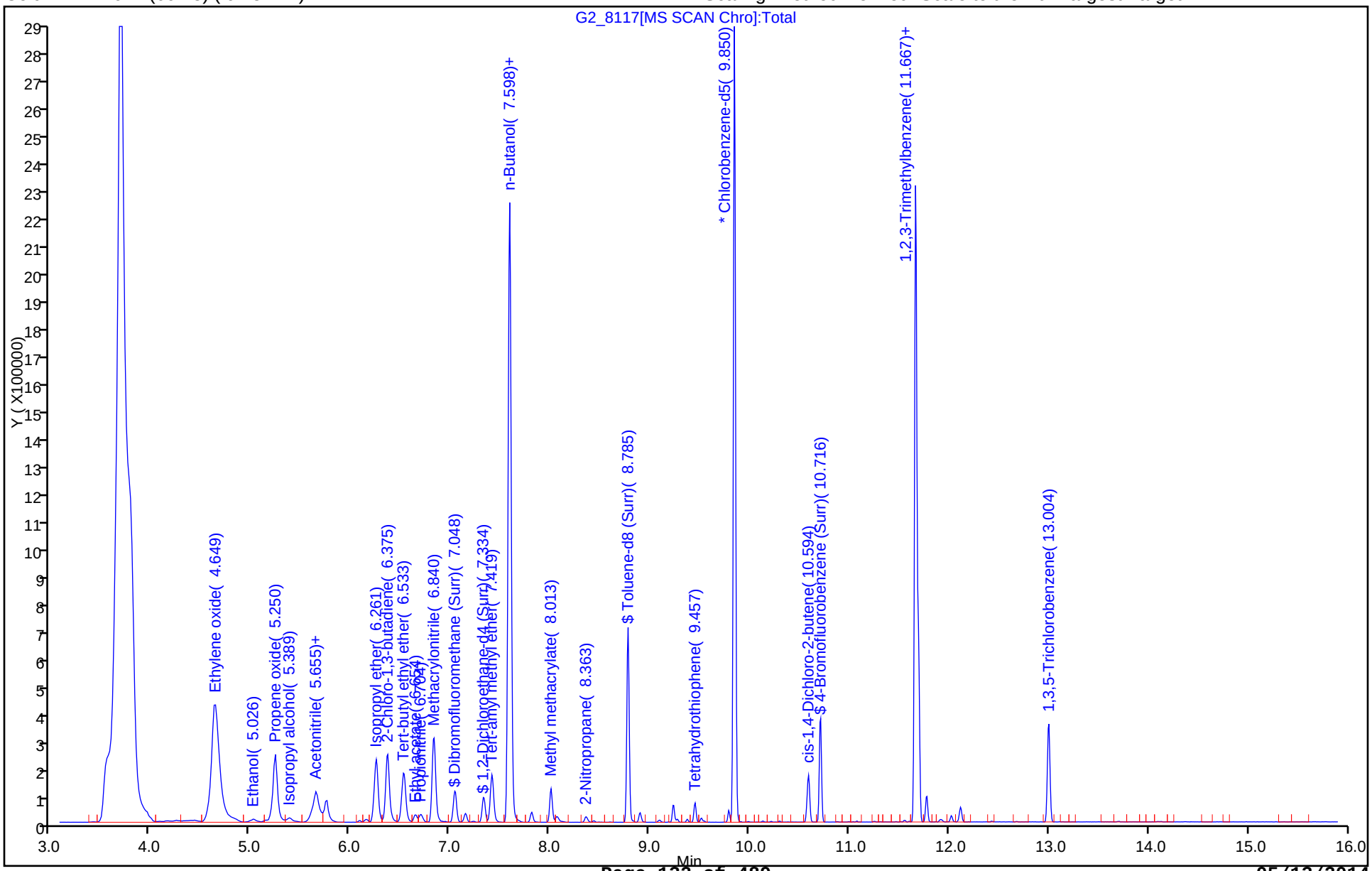
Report Date: 06-Mar-2014 08:18:19 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8117.D

Injection Date:	05-Mar-2014 13:09:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	33
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8118.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 05-Mar-2014 13:29:30 ALS Bottle#: 24 Worklist Smp#: 34
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 08:18:18 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 06:14:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.0	0	244790	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.0	99	2029690	12.5	
* 2 Chlorobenzene-d5	119	9.851	9.851	0.0	85	408341	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.0	95	555131	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.048	7.048	0.0	56	201525	5.09	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.334	7.334	0.0	99	165049	5.08	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.0	93	1001794	5.25	
$ 8 4-Bromofluorobenzene (Surr)	95	10.709	10.709	0.0	88	294683	5.03	
30 Ethylene oxide	43	4.635	4.635	0.0	99	953509	1125.8	
34 Ethanol	45	5.012	5.012	0.0	92	48895	313.0	
39 Propene oxide	58	5.250	5.250	0.0	96	886055	266.5	
44 Isopropyl alcohol	45	5.403	5.403	0.0	79	46636	51.0	
46 Acetonitrile	41	5.599	5.599	0.0	99	91616	52.6	
58 Isopropyl ether	87	6.261	6.261	0.0	95	173023	5.09	
60 2-Chloro-1,3-butadiene	53	6.368	6.368	0.0	87	417868	5.24	
61 Tert-butyl ethyl ether	59	6.533	6.533	0.0	98	517745	5.15	
63 Ethyl acetate	43	6.654	6.654	0.0	94	97013	9.88	
64 Propionitrile	54	6.704	6.704	0.0	96	98108	51.8	
68 Methacrylonitrile	41	6.840	6.840	0.0	91	485581	53.2	
78 Tert-amyl methyl ether	73	7.419	7.419	0.0	99	399090	5.13	
80 n-Butanol	56	7.605	7.605	0.0	81	60361	131.8	
83 Methyl methacrylate	100	8.013	8.013	0.0	89	50045	10.4	
89 2-Nitropropane	41	8.363	8.363	0.0	98	32658	9.97	
101 Tetrahydrothiophene	60	9.457	9.457	0.0	91	74348	5.14	
112 cis-1,4-Dichloro-2-butene	53	10.580	10.580	0.0	87	28016	5.16	
128 1,2,3-Trimethylbenzene	105	11.695	11.695	0.0	98	856333	5.23	
16 1,3,5-Trichlorobenzene	180	13.004	13.004	0.0	96	327552	5.08	
146 Benzyl chloride	126		0.0					
148 Ethyl acrylate	55		0.0					
144 n-Butyl acetate	43		0.0					

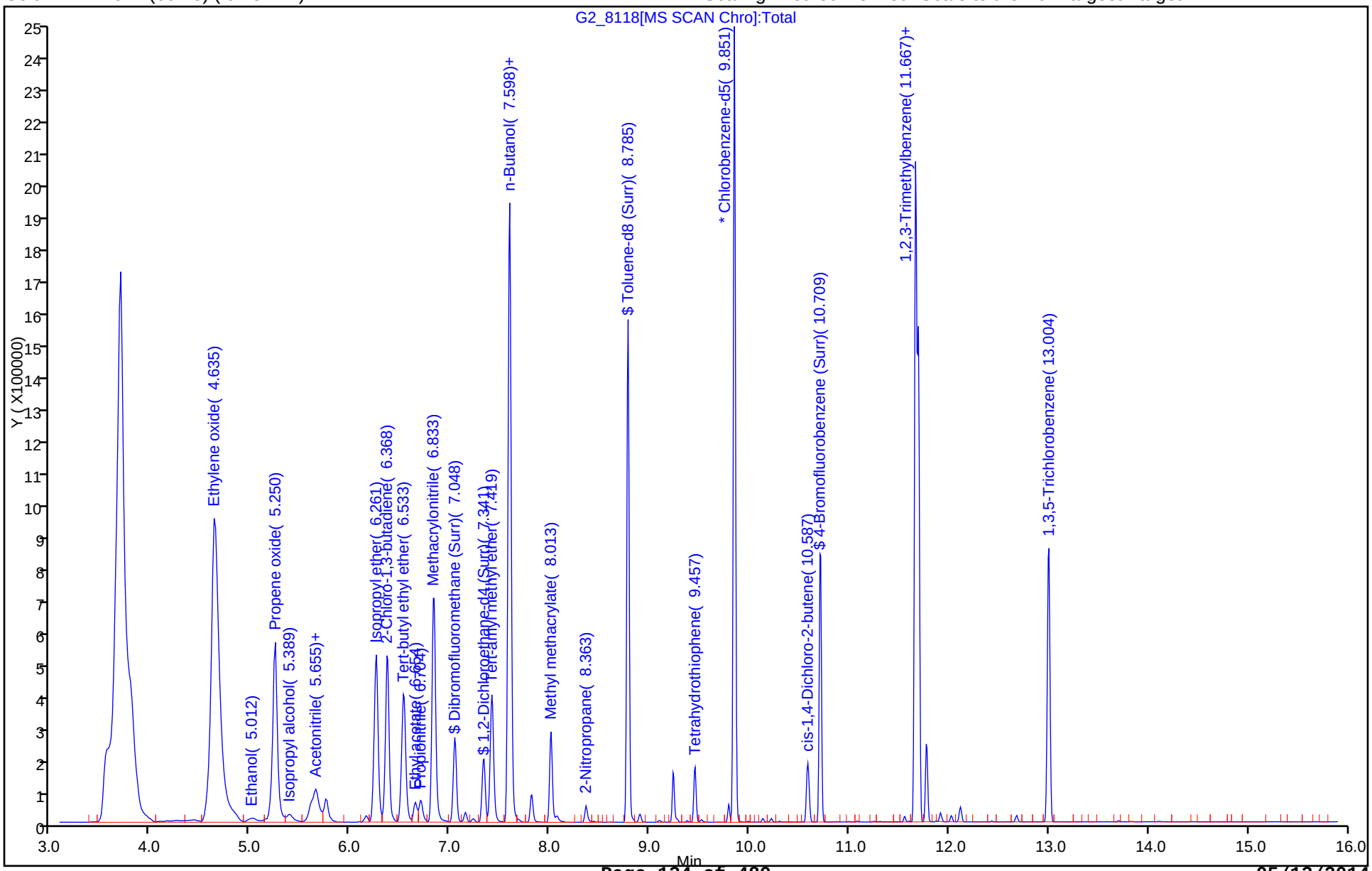
Report Date: 06-Mar-2014 08:18:18 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8118.D

Injection Date:	05-Mar-2014 13:29:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	34
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8119.D
Lims ID: icis Lab Sample ID:
Client ID:
Sample Type: ICIS Calib Level: 5
Inject. Date: 05-Mar-2014 13:49:30 ALS Bottle#: 25 Worklist Smp#: 35
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 08:18:17 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 06:14:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.0	0	265887	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.0	99	2235081	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.0	85	454369	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.0	95	613943	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.048	7.048	0.0	58	389481	8.93	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.334	7.334	0.0	100	316474	8.85	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.0	93	1920972	9.04	
$ 8 4-Bromofluorobenzene (Surr)	95	10.716	10.716	0.0	89	579777	8.95	
30 Ethylene oxide	43	4.635	4.635	0.0	99	1714370	2144.2	
34 Ethanol	45	4.998	4.998	0.0	95	84081	486.1	
39 Propene oxide	58	5.250	5.250	0.0	96	1684754	460.1	
44 Isopropyl alcohol	45	5.403	5.403	0.0	93	86358	85.8	
46 Acetonitrile	41	5.599	5.599	0.0	99	167872	87.6	
58 Isopropyl ether	87	6.261	6.261	0.0	95	342734	9.15	
60 2-Chloro-1,3-butadiene	53	6.368	6.368	0.0	87	808354	9.21	
61 Tert-butyl ethyl ether	59	6.533	6.533	0.0	98	1009824	9.11	
63 Ethyl acetate	43	6.654	6.654	0.0	97	190634	17.6	
64 Propionitrile	54	6.704	6.704	0.0	98	190123	91.2	
68 Methacrylonitrile	41	6.833	6.833	0.0	91	906988	90.2	
78 Tert-amyl methyl ether	73	7.419	7.419	0.0	98	774479	9.04	
80 n-Butanol	56	7.612	7.612	0.0	78	102515	217.2	
83 Methyl methacrylate	100	8.013	8.013	0.0	90	97449	18.4	
89 2-Nitropropane	41	8.363	8.363	0.0	97	65993	18.3	
101 Tetrahydrothiophene	60	9.457	9.457	0.0	92	147895	9.19	
112 cis-1,4-Dichloro-2-butene	53	10.580	10.580	0.0	67	54973	9.16	
128 1,2,3-Trimethylbenzene	105	11.695	11.695	0.0	98	1679552	9.27	
16 1,3,5-Trichlorobenzene	180	13.004	13.004	0.0	97	656062	9.21	
148 Ethyl acrylate	55		0.0					
146 Benzyl chloride	126		0.0					
144 n-Butyl acetate	43		0.0					

Report Date: 06-Mar-2014 08:18:17 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8119.D

Injection Date:	05-Mar-2014 13:49:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	icis	Lab Sample ID:		Worklist Smp#:	35
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8120.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 05-Mar-2014 14:09:30 ALS Bottle#: 26 Worklist Smp#: 36
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 08:18:16 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 06:15:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.0	0	251385	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.0	99	2028711	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.0	85	411501	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.0	95	559901	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.048	7.048	0.0	59	1151821	29.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.334	7.334	0.0	99	929006	28.6	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.0	93	5321063	27.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.716	10.709	0.007	90	1665433	28.2	
30 Ethylene oxide	43	4.635	4.635	0.0	100	4210140	6626.6	
34 Ethanol	45	4.998	5.012	-0.014	98	235269	1488.5	
39 Propene oxide	58	5.236	5.250	-0.014	96	4802508	1445.0	
44 Isopropyl alcohol	45	5.389	5.403	-0.014	98	264019	288.9	
46 Acetonitrile	41	5.599	5.599	0.0	99	480933	276.5	
58 Isopropyl ether	87	6.261	6.261	0.0	95	1008333	29.7	
60 2-Chloro-1,3-butadiene	53	6.368	6.368	0.0	87	2314265	29.0	
61 Tert-butyl ethyl ether	59	6.533	6.533	0.0	98	2931039	29.1	
63 Ethyl acetate	43	6.647	6.654	-0.007	98	547807	55.8	
64 Propionitrile	54	6.704	6.704	0.0	98	562955	297.6	
68 Methacrylonitrile	41	6.833	6.840	-0.007	91	2564604	281.0	
78 Tert-amyl methyl ether	73	7.419	7.419	0.0	98	2313585	29.7	
80 n-Butanol	56	7.605	7.605	0.0	86	305753	772.0	
83 Methyl methacrylate	100	8.013	8.013	0.0	90	296770	61.8	
89 2-Nitropropane	41	8.363	8.363	0.0	97	205192	62.7	
101 Tetrahydrothiophene	60	9.457	9.457	0.0	92	446467	30.6	
112 cis-1,4-Dichloro-2-butene	53	10.580	10.580	0.0	70	168843	30.9	
128 1,2,3-Trimethylbenzene	105	11.695	11.695	0.0	98	4697668	28.4	
16 1,3,5-Trichlorobenzene	180	13.004	13.004	0.0	96	1858495	28.6	
148 Ethyl acrylate	55		0.0					
146 Benzyl chloride	126		0.0					
144 n-Butyl acetate	43		0.0					

Report Date: 06-Mar-2014 08:18:16 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8120.D

Injection Date:	05-Mar-2014 14:09:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	36
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D
Lims ID: ic Lab Sample ID:
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 05-Mar-2014 14:30:30 ALS Bottle#: 27 Worklist Smp#: 37
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 08:18:15 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 06:15:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.0	0	231873	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.0	98	1931448	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.0	84	395425	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.0	95	544202	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.048	7.048	0.0	59	2271842	60.3	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.334	7.334	0.0	99	1819034	58.9	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.0	93	9751274	52.7	
$ 8 4-Bromofluorobenzene (Surr)	95	10.716	10.709	0.007	90	3358613	58.5	
30 Ethylene oxide	43	4.635	4.635	0.0	100	6849117	11666	
34 Ethanol	45	4.998	5.012	-0.014	98	449710	2983.6	
39 Propene oxide	58	5.236	5.250	-0.014	96	8652108	2734.4	
44 Isopropyl alcohol	45	5.389	5.403	-0.014	98	527930	606.7	
46 Acetonitrile	41	5.599	5.599	0.0	99	918727	554.8	
58 Isopropyl ether	87	6.261	6.261	0.0	94	1962988	60.6	
60 2-Chloro-1,3-butadiene	53	6.368	6.368	0.0	87	4418240	58.2	
61 Tert-butyl ethyl ether	59	6.533	6.533	0.0	98	5584368	58.3	
63 Ethyl acetate	43	6.647	6.654	-0.007	99	1082783	115.8	
64 Propionitrile	54	6.704	6.704	0.0	98	1082191	600.9	
68 Methacrylonitrile	41	6.833	6.840	-0.007	90	4747667	546.4	
78 Tert-amyl methyl ether	73	7.419	7.419	0.0	98	4465884	60.3	
80 n-Butanol	56	7.605	7.605	0.0	86	600624	1620.0	
83 Methyl methacrylate	100	8.013	8.013	0.0	89	581217	127.2	
89 2-Nitropropane	41	8.363	8.363	0.0	97	403506	129.5	
101 Tetrahydrothiophene	60	9.457	9.457	0.0	92	865895	61.8	
112 cis-1,4-Dichloro-2-butene	53	10.580	10.580	0.0	70	338891	63.7	
128 1,2,3-Trimethylbenzene	105	11.695	11.695	0.0	98	9065818	56.5	
16 1,3,5-Trichlorobenzene	180	13.004	13.004	0.0	97	3902970	61.8	
146 Benzyl chloride	126		0.0					
148 Ethyl acrylate	55		0.0					
144 n-Butyl acetate	43		0.0					

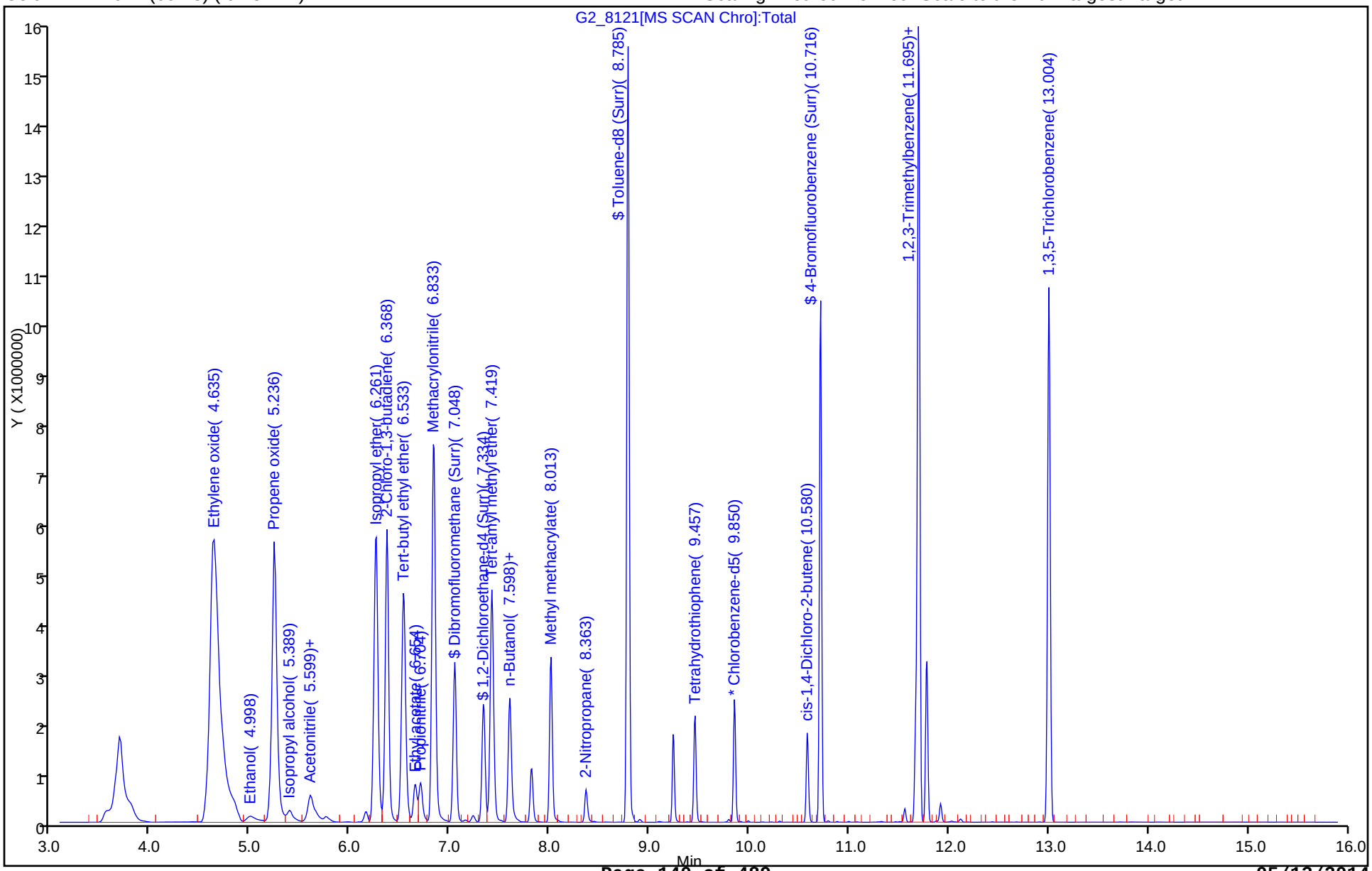
Report Date: 06-Mar-2014 08:18:15 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Injection Date:	05-Mar-2014 14:30:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic	Lab Sample ID:		Worklist Smp#:	37
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-216434/10	G2_8368.D
Level 2	IC 280-216434/11	G2_8369.D
Level 3	IC 280-216434/12	G2_8370.D
Level 4	IC 280-216434/13	G2_8371.D
Level 5	IC 280-216434/14	G2_8372.D
Level 6	IC 280-216434/15	G2_8373.D
Level 7	IC 280-216434/16	G2_8374.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.3773	0.3282 0.3445	0.4043	0.3794	0.3661	Ave		0.3666				7.4		15.0			
Chloromethane	+++++ 0.3595	0.3523 0.3188	0.3900	0.3515	0.3429	Ave		0.3525			0.1000	6.6		15.0			
Vinyl chloride	+++++ 0.3694	0.3761 0.3210	0.3900	0.3698	0.3557	Ave		0.3637				6.5		30.0			
Bromomethane	+++++ 0.2632	0.2485 0.2226	0.2616	0.2461	0.2465	Ave		0.2481				5.9		15.0			
Chloroethane	+++++ 0.2459	0.2385 0.2136	0.2416	0.2292	0.2273	Ave		0.2327				5.1		15.0			
Dichlorofluoromethane	+++++ 0.6074	0.6165 0.5382	0.6258	0.5794	0.5717	Ave		0.5898				5.6		15.0			
Trichlorofluoromethane	+++++ 0.5170	0.5172 0.4567	0.5373	0.5022	0.4898	Ave		0.5034				5.5		15.0			
Ethyl ether	+++++ 0.1567	0.1498 0.1379	0.1537	0.1393	0.1422	Ave		0.1466				5.4		15.0			
Acrolein	+++++ 0.0117	0.0103 0.0106	0.0108	0.0104	0.0107	Ave		0.0107				4.8		15.0			
Acetone	+++++ 0.0244	+++++ 0.0211	0.0300	0.0248	0.0234	Ave		0.0247				13.0		15.0			
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.2647	0.2565 0.2417	0.2779	0.2554	0.2515	Ave		0.2579				4.8		15.0			
1,1-Dichloroethene	+++++ 0.3252	0.3032 0.2865	0.3276	0.2992	0.2995	Ave		0.3069				5.3		30.0			
Iodomethane	+++++ 0.5066	0.4670 0.4441	0.5039	0.4577	0.4629	Ave		0.4737				5.4		15.0			
Methyl acetate	+++++ 0.0612	0.0616 0.0561	0.0643	0.0609	0.0565	Ave		0.0601				5.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	+++++ 0.5312	0.5225 0.4485	0.5659	0.5026	0.4987	Ave		0.5116				7.7		15.0			
Carbon disulfide	+++++ 1.3162	1.2929 1.1263	1.3885	1.2624	1.2464	Ave		1.2721				6.8		15.0			
2-Methyl-2-propanol	+++++ 0.0091	0.0091 +++++	0.0087	0.0079	0.0083	Ave		0.0085				6.3		15.0			
Methylene Chloride	+++++ 0.2859	+++++ 0.2441	0.3951	0.3019	0.2765	Lin2	0.2777	0.2535							0.9950		0.9900
Acrylonitrile	+++++ 0.0321	0.0296 0.0282	0.0321	0.0293	0.0294	Ave		0.0301				5.4		15.0			
Methyl tert-butyl ether	+++++ 0.4780	0.4481 0.4153	0.4731	0.4330	0.4391	Ave		0.4478				5.4		15.0			
trans-1,2-Dichloroethene	+++++ 0.3550	0.3506 0.3111	0.3639	0.3282	0.3274	Ave		0.3394				6.0		15.0			
Hexane	+++++ 2.4520	2.5656 2.2056	2.7881	2.4115	2.4138	Ave		2.4728				7.8		15.0			
Vinyl acetate	+++++ 0.2498	0.2324 0.2269	0.2546	0.2291	0.2327	Ave		0.2376				4.9		15.0			
1,1-Dichloroethane	+++++ 0.5694	0.5707 0.4904	0.6072	0.5430	0.5345	Ave		0.5525			0.1000	7.2		15.0			
2-Butanone (MEK)	+++++ 0.0426	0.0419 0.0375	0.0428	0.0389	0.0388	Ave		0.0404				5.7		15.0			
2-Butanol	+++++ 0.0062	0.0044 0.0055	0.0053	0.0048	0.0054	Ave		0.0053				12.0		15.0			
cis-1,2-Dichloroethene	+++++ 0.3298	0.3106 0.2908	0.3372	0.2995	0.3037	Ave		0.3119				5.8		15.0			
2,2-Dichloropropane	+++++ 0.4812	0.4743 0.4151	0.5035	0.4590	0.4512	Ave		0.4640				6.5		15.0			
Chlorobromomethane	+++++ 0.1124	0.1059 0.1000	0.1130	0.1005	0.1020	Ave		0.1056				5.6		15.0			
Chloroform	0.5752 0.5211	0.5226 0.4517	0.5476	0.4878	0.4903	Ave		0.5138				8.0		30.0			
Tetrahydrofuran	+++++ 0.0237	0.0227 0.0210	0.0236	0.0215	0.0215	Ave		0.0224				5.3		15.0			
Isobutyl alcohol	+++++ 0.0024	0.0018 0.0022	0.0024	0.0021	0.0022	Ave		0.0022				9.6		15.0			
1,1,1-Trichloroethane	+++++ 0.5192	0.5171 0.4520	0.5542	0.4903	0.4867	Ave		0.5033				6.9		15.0			
Cyclohexane	+++++ 0.6088	0.6217 0.5300	0.6618	0.5902	0.5869	Ave		0.5999				7.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	+++++ 0.4682	0.4783 0.4080	0.4935	0.4497	0.4404	Ave		0.4563				6.7		15.0			
Carbon tetrachloride	+++++ 0.4579	0.4507 0.4000	0.4732	0.4280	0.4319	Ave		0.4403				5.9		15.0			
1,2-Dichloroethane	0.2871 0.2648	0.2646 0.2312	0.2860	0.2561	0.2516	Ave		0.2631				7.4		15.0			
Benzene	1.4301 1.2692	1.2688 1.0822	1.3525	1.2017	1.1945	Ave		1.2570				9.0		15.0			
Trichloroethene	+++++ 0.3459	0.3435 0.3084	0.3522	0.3210	0.3177	Ave		0.3314				5.4		15.0			
2-Pentanone	+++++ 0.0774	0.0599 0.0594	0.0781	0.0664	0.0627	Ave		0.0673				13.0		15.0			
1,2-Dichloropropane	+++++ 0.2767	0.2850 0.2405	0.3001	0.2577	0.2622	Ave		0.2704				7.9		30.0			
Methylcyclohexane	+++++ 0.4902	0.5240 0.4293	0.5309	0.4758	0.4716	Ave		0.4870				7.7		15.0			
1,4-Dioxane	+++++ 0.0008	+++++ 0.0007	0.0006	0.0007	0.0008	Ave		0.0007				11.0		15.0			
Dibromomethane	+++++ 0.1020	0.0997 0.0909	0.1055	0.0920	0.0948	Ave		0.0975				6.0		15.0			
Dichlorobromomethane	0.3409 0.3411	0.3061 0.3004	0.3378	0.3078	0.3140	Ave		0.3212				5.6		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0397	0.0233 0.0389	0.0265	0.0276	0.0299	Lin1	-0.025	0.0388							0.9940		0.9900
cis-1,3-Dichloropropene	1.7548 1.8021	1.6063 1.5754	1.7850	1.6198	1.6653	Ave		1.6870				5.5		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.0847	0.0748 0.0752	0.0785	0.0752	0.0775	Ave		0.0776				4.9		15.0			
Toluene	+++++ 1.3365	1.3691 1.1088	1.4522	1.2907	1.2751	Ave		1.3054				8.8		30.0			
Ethyl methacrylate	+++++ 0.7970	0.6340 0.7127	0.7104	0.6712	0.7085	Ave		0.7056				7.7		15.0			
trans-1,3-Dichloropropene	+++++ 0.3064	0.2699 0.2676	0.2972	0.2783	0.2811	Ave		0.2834				5.4		15.0			
1,1,2-Trichloroethane	+++++ 0.1446	0.1403 0.1283	0.1416	0.1300	0.1311	Ave		0.1360				5.1		15.0			
2-Hexanone	+++++ 0.2627	0.2277 0.2328	0.2390	0.2406	0.2426	Ave		0.2409				5.0		15.0			
1,3-Dichloropropane	+++++ 1.2399	1.2190 1.0880	1.3198	1.1599	1.1742	Ave		1.2001				6.6		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Tetrachloroethene	+++++ 1.3513	1.3608 1.2055	1.4320	1.2449	1.2599	Ave		1.3091				6.6		15.0			
Chlorodibromomethane	0.7291 0.8622	0.7196 0.7692	0.8234	0.7560	0.7825	Ave		0.7774				6.5		15.0			
Ethylene Dibromide	+++++ 0.6220	0.5549 0.5523	0.6352	0.5523	0.5679	Ave		0.5808				6.5		15.0			
1-Chlorohexane	+++++ 2.2831	2.1760 2.0258	2.4082	2.1240	2.1468	Ave		2.1940				6.1		15.0			
Chlorobenzene	4.3617 3.7596	3.7844 3.1989	4.0357	3.4817	3.5400	Ave		3.7374			0.3000	10.0		15.0			
1,1,1,2-Tetrachloroethane	1.1669 1.2037	1.0785 1.0556	1.1854	1.0708	1.1013	Ave		1.1232				5.4		15.0			
Ethylbenzene	+++++ 2.3787	2.3218 2.0348	2.4798	2.1531	2.2007	Ave		2.2615				7.2		30.0			
m-Xylene & p-Xylene	+++++ 2.8838	2.8296 2.4845	3.0228	2.6350	2.6781	Ave		2.7556				7.0		15.0			
Styrene	+++++ 3.8916	3.5390 3.2227	3.8914	3.5314	3.6376	Ave		3.6190				7.0		15.0			
o-Xylene	+++++ 2.5914	2.4986 2.1592	2.7151	2.3923	2.4373	Ave		2.4657				7.7		15.0			
Bromoform	+++++ 0.4244	0.3099 0.3862	0.3700	0.3454	0.3689	Ave		0.3675			0.1000	10.0		15.0			
Isopropylbenzene	+++++ 4.9719	5.1929 4.0035	5.4511	4.8673	4.7459	Ave		4.8721				10.0		15.0			
Cyclohexanone	+++++ 0.0108	0.0104 +++++	0.0102	0.0093	0.0099	Ave		0.0101				5.4		15.0			
1,1,2,2-Tetrachloroethane	0.4566 0.4433	0.4138 0.3946	0.4418	0.4096	0.4034	Ave		0.4233			0.3000	5.6		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1156	0.0983 0.1041	0.1031	0.1029	0.1030	Ave		0.1045				5.6		15.0			
1,2,3-Trichloropropane	+++++ 0.1264	0.1143 0.1107	0.1303	0.1168	0.1161	Ave		0.1191				6.4		15.0			
Bromobenzene	+++++ 0.9867	0.9347 0.8643	0.9992	0.8884	0.8843	Ave		0.9263				6.1		15.0			
N-Propylbenzene	+++++ 1.4698	1.4162 1.2731	1.4997	1.3556	1.3300	Ave		1.3907				6.2		15.0			
1,3,5-Trimethylbenzene	+++++ 4.0579	4.0635 3.2914	4.3169	3.8649	3.7759	Ave		3.8951				9.0		15.0			
2-Chlorotoluene	+++++ 1.1274	1.1295 0.9666	1.1734	1.0382	1.0242	Ave		1.0766				7.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4-Chlorotoluene	+++++ 1.1280	1.0971 0.9922	1.1737	1.0378	1.0322	Ave		1.0768				6.3		15.0			
tert-Butylbenzene	+++++ 4.1628	4.1014 3.4935	4.4042	3.9720	3.8912	Ave		4.0042				7.7		15.0			
1,2,4-Trimethylbenzene	+++++ 3.9504	3.9177 3.2823	4.1938	3.7453	3.6834	Ave		3.7955				8.1		15.0			
sec-Butylbenzene	+++++ 1.1598	1.0964 1.0215	1.1853	1.0613	1.0462	Ave		1.0951				6.0		15.0			
4-Isopropyltoluene	+++++ 4.5930	4.5983 3.7245	4.9637	4.4128	4.3337	Ave		4.4377				9.3		15.0			
1,3-Dichlorobenzene	+++++ 1.9813	2.0286 1.7278	2.0982	1.8454	1.8355	Ave		1.9195				7.3		15.0			
1,4-Dichlorobenzene	2.2230 1.8969	1.9094 1.6582	2.0197	1.7730	1.7523	Ave		1.8903				10.0		15.0			
n-Butylbenzene	+++++ 4.2127	4.2789 3.4686	4.5838	4.0879	3.9869	Ave		4.1031				9.1		15.0			
1,2-Dichlorobenzene	+++++ 1.5900	1.5462 1.3888	1.6547	1.4688	1.4543	Ave		1.5171				6.4		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0692	0.0396 0.0631	0.0585	0.0525	0.0583	Lin2	-0.023	0.0639							0.9900		0.9900
1,2,4-Trichlorobenzene	+++++ 1.0839	0.9710 0.9453	1.0613	0.9442	0.9768	Ave		0.9971				6.1		15.0			
Hexachlorobutadiene	0.9045 0.8407	0.7884 0.7468	0.8432	0.7545	0.7543	Ave		0.8046				7.4		15.0			
Naphthalene	+++++ 1.3145	1.0441 1.1387	1.1464	1.0847	1.1614	Ave		1.1483				8.1		15.0			
1,2,3-Trichlorobenzene	+++++ 0.7997	0.7217 0.6928	0.7811	0.7023	0.7257	Ave		0.7372				5.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-216434/10	G2_8368.D
Level 2	IC 280-216434/11	G2_8369.D
Level 3	IC 280-216434/12	G2_8370.D
Level 4	IC 280-216434/13	G2_8371.D
Level 5	IC 280-216434/14	G2_8372.D
Level 6	IC 280-216434/15	G2_8373.D
Level 7	IC 280-216434/16	G2_8374.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Ave	+++++ 1692285	48140 3639451	109273	284579	567992	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloromethane	FB	Ave	+++++ 1612820	51669 3367932	105395	263651	531979	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl chloride	FB	Ave	+++++ 1656933	55164 3390882	105394	277394	551874	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromomethane	FB	Ave	+++++ 1180661	36446 2351063	70704	184574	382421	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroethane	FB	Ave	+++++ 1103268	34977 2256707	65283	171878	352608	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorofluoromethane	FB	Ave	+++++ 2724520	90429 5684916	169118	434609	887038	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Trichlorofluoromethane	FB	Ave	+++++ 2319052	75867 4824582	145205	376679	760014	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Ethyl ether	FB	Ave	+++++ 703116	21967 1456273	41549	104456	220664	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Acrolein	FB	Ave	+++++ 524937	15057 1118697	29266	77850	165343	+++++ 300	10.0 600	20.0	50.0	100
Acetone	FB	Ave	+++++ 438028	+++++ 890615	32473	74363	145400	+++++ 120	+++++ 240	8.00	20.0	40.0
1,1,2-Trichloro-1,2,2-trifluoroethane	FB	Ave	+++++ 1187183	37625 2553032	75093	191542	390218	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloroethene	FB	Ave	+++++ 1458895	44472 3026458	88525	224408	464750	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Iodomethane	FB	Ave	+++++ 2272734	68502 4691214	136186	343273	718194	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methyl acetate	FB	Ave	+++++ 1372843	45149 2964063	86877	228498	438360	+++++ 150	5.00 300	10.0	25.0	50.0
Allyl chloride	FB	Ave	+++++ 2382769	76638 4737420	152947	377003	773738	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Carbon disulfide	FB	Ave	+++++ 5904319	189643 11897301	375260	946896	1934019	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Methyl-2-propanol	FB	Ave	+++++ 406832	13279 +++++	23535	59179	128317	+++++ 300	10.0 +++++	20.0	50.0	100
Methylene Chloride	FB	Lin2	+++++ 1282431	+++++ 2578991	106776	226430	429066	+++++ 30.0	+++++ 60.0	2.00	5.00	10.0
Acrylonitrile	FB	Ave	+++++ 1439036	43398 2973636	86781	220124	456874	+++++ 300	10.0 600	20.0	50.0	100
Methyl tert-butyl ether	FB	Ave	+++++ 2144103	65732 4386817	127870	324767	681272	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 1592584	51430 3286370	98354	246187	508016	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexane	CBZ	Ave	+++++ 2408529	80529 5108006	160042	395243	813633	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Vinyl acetate	FB	Ave	+++++ 2241249	68178 4794502	137634	343750	722201	+++++ 60.0	2.00 120	4.00	10.0	20.0
1,1-Dichloroethane	FB	Ave	+++++ 2554252	83712 5180051	164094	407319	829353	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Butanone (MEK)	FB	Ave	+++++ 764832	24596 1584755	46278	116616	240662	+++++ 120	4.00 240	8.00	20.0	40.0
2-Butanol	FB	Ave	+++++ 836502	19519 1742389	43100	107445	252044	+++++ 900	30.0 1800	60.0	150	300
cis-1,2-Dichloroethene	FB	Ave	+++++ 1479265	45560 3071378	91122	224608	471176	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2,2-Dichloropropane	FB	Ave	+++++ 2158370	69571 4384626	136077	344315	700066	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobromomethane	FB	Ave	+++++ 504423	15527 1056027	30545	75415	158237	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chloroform	FB	Ave	22842 2337771	76658 4772030	147998	365888	760709	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Tetrahydrofuran	FB	Ave	+++++ 212992	6669 443762	12770	32220	66852	+++++ 60.0	2.00 120	4.00	10.0	20.0
Isobutyl alcohol	FB	Ave	+++++ 108968	2689 233460	6387	15948	33825	+++++ 300	10.0 600	20.0	50.0	100
1,1,1-Trichloroethane	FB	Ave	+++++ 2329104	75850 4775151	149775	367770	755106	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexane	FB	Ave	+++++ 2730993	91192 5598859	178859	442690	910670	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1-Dichloropropene	FB	Ave	+++++ 2100257	70151 4309544	133364	337277	683330	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Carbon tetrachloride	FB	Ave	+++++ 2053951	66112 4225190	127881	321023	670103	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	11403 1187881	38809 2442554	77294	192100	390414	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Benzene	FB	Ave	56794 5693642	186110 11431899	365516	901377	1853450	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Trichloroethene	FB	Ave	+++++ 1551439	50382 3258308	95179	240734	492886	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Pentanone	FB	Ave	+++++ 1389092	35124 2511529	84415	199336	389210	+++++ 120	4.00 240	8.00	20.0	40.0
1,2-Dichloropropane	FB	Ave	+++++ 1241140	41803 2540728	81096	193321	406892	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Methylcyclohexane	FB	Ave	+++++ 2198798	76859 4534998	143491	356890	731783	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dioxane	FB	Ave	+++++ 74907	+++++ 151508	3459	10156	24187	+++++ 600	+++++ 1200	40.0	100	200
Dibromomethane	FB	Ave	+++++ 457541	14620 960256	28508	68973	147105	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Dichlorobromomethane	FB	Ave	13538 1530273	44902 3173180	91290	230866	487181	0.300 30.0	1.00 60.0	2.00	5.00	10.0
2-Chloroethyl vinyl ether	FB	Lin1	+++++ 177988	3419 410995	7150	20696	46432	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
cis-1,3-Dichloropropene	CBZ	Ave	14896 1770141	50419 3648521	102462	265478	561327	0.300 30.0	1.00 60.0	2.00	5.00	10.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	+++++ 1520219	43878 3175988	84850	225621	480918	+++++ 120	4.00 240	8.00	20.0	40.0
Toluene	FB	Ave	+++++ 5995337	200825 11713187	392469	968108	1978470	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Ethyl methacrylate	CBZ	Ave	+++++ 782838	19900 1650515	40776	110007	238823	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,3-Dichloropropene	FB	Ave	+++++ 1374668	39582 2827282	80333	208719	436186	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,1,2-Trichloroethane	FB	Ave	+++++ 648440	20582 1355301	38271	97514	203421	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Hexanone	CBZ	Ave	+++++ 1032150	28594 2156790	54867	157747	327106	+++++ 120	4.00 240	8.00	20.0	40.0
1,3-Dichloropropane	CBZ	Ave	+++++ 1217924	38262 2519769	75758	190103	395790	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Tetrachloroethene	CBZ	Ave	+++++ 1327365	42713 2791956	82198	204037	424671	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorodibromomethane	CBZ	Ave	6189 846958	22587 1781355	47263	123902	263767	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylene Dibromide	CBZ	Ave	+++++ 610977	17416 1279152	36462	90527	191417	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1-Chlorohexane	CBZ	Ave	+++++ 2242678	68301 4691683	138235	348126	723642	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Chlorobenzene	CBZ	Ave	37025 3693000	118784 7408472	231655	570641	1193246	0.300 30.0	1.00 60.0	2.00	5.00	10.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	9905 1182423	33851 2444744	68045	175496	371224	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Ethylbenzene	CBZ	Ave	+++++ 2336541	72877 4712433	142346	352897	741798	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
m-Xylene & p-Xylene	CBZ	Ave	+++++ 2832770	88815 5753948	173513	431877	902701	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Styrene	CBZ	Ave	+++++ 3822697	111081 7463722	223371	578792	1226139	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
o-Xylene	CBZ	Ave	+++++ 2545548	78426 5000579	155852	392100	821562	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromoform	CBZ	Ave	+++++ 416923	9728 894481	21238	56608	124348	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Isopropylbenzene	DCB	Ave	+++++ 7009258	231038 13316398	450109	1124788	2320388	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Cyclohexanone	CBZ	Ave	+++++ 424918	13119 +++++	23382	60848	133264	+++++ 1200	40.0 +++++	80.0	200	400
1,1,2,2-Tetrachloroethane	DCB	Ave	5485 624994	18412 1312509	36480	94659	197223	0.300 30.0	1.00 60.0	2.00	5.00	10.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 162998	4372 346285	8510	23783	50362	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 178231	5084 368332	10760	27000	56740	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Bromobenzene	DCB	Ave	+++++ 1391062	41586 2874849	82510	205292	432377	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
N-Propylbenzene	DCB	Ave	+++++ 2072049	63010 4234397	123833	313278	650282	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3,5-Trimethylbenzene	DCB	Ave	+++++ 5720763	180790 10947686	356459	893155	1846131	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
2-Chlorotoluene	DCB	Ave	+++++ 1589386	50254 3214956	96887	239923	500771	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
4-Chlorotoluene	DCB	Ave	+++++ 1590240	48811 3300156	96913	239838	504665	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
tert-Butylbenzene	DCB	Ave	+++++ 5868578	182475 11619883	363662	917897	1902488	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trimethylbenzene	DCB	Ave	+++++ 5569122	174302 10917550	346290	865506	1800915	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
sec-Butylbenzene	DCB	Ave	+++++ 1635102	48781 3397608	97869	245269	511534	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216434

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/12/2014 09:55 Calibration End Date: 03/12/2014 11:56 Calibration ID: 17409

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
4-Isopropyltoluene	DCB	Ave	+++++ 6475054	204582 12388438	409867	1019762	2118847	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,3-Dichlorobenzene	DCB	Ave	+++++ 2793165	90255 5746923	173252	426450	897441	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,4-Dichlorobenzene	DCB	Ave	26702 2674123	84950 5515465	166774	409729	856725	0.300 30.0	1.00 60.0	2.00	5.00	10.0
n-Butylbenzene	DCB	Ave	+++++ 5938857	190373 11537273	378491	944672	1949300	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dichlorobenzene	DCB	Ave	+++++ 2241488	68791 4619506	136632	339421	711031	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2-Dibromo-3-Chloropropane	DCB	Lin2	+++++ 97569	1763 209767	4831	12132	28493	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 1528112	43199 3144228	87632	218192	477596	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
Hexachlorobutadiene	DCB	Ave	10865 1185147	35076 2484013	69621	174356	368813	0.300 30.0	1.00 60.0	2.00	5.00	10.0
Naphthalene	DCB	Ave	+++++ 1853188	46453 3787425	94660	250668	567833	+++++ 30.0	1.00 60.0	2.00	5.00	10.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 1127341	32107 2304229	64493	162301	354806	+++++ 30.0	1.00 60.0	2.00	5.00	10.0

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8368.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 12-Mar-2014 09:55:30 ALS Bottle#: 17 Worklist Smp#: 10
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: IC
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub88

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:27:17 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	187846	250.0	250.0	
* 1 Fluorobenzene	96	7.591	7.598	-0.007	98	1654718	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.851	9.851	0.000	88	353694	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.674	11.667	0.007	95	500491	12.5	12.5	
25 Dichlorodifluoromethane	85		3.993						
27 Chloromethane	50		4.174						
28 Vinyl chloride	62		4.314						
31 Bromomethane	94		4.677						
32 Chloroethane	64		4.747						
33 Dichlorofluoromethane	67		4.887						
35 Trichlorofluoromethane	101		4.971						
38 Ethyl ether	59		5.152						
41 Acrolein	56		5.278						
42 Acetone	43		5.376						
43 1,1,2-Trichloro-1,2,2-trif	151		5.404						
45 1,1-Dichloroethene	96		5.417						
47 Iodomethane	142		5.585						
48 Methyl acetate	43		5.613						
49 3-Chloro-1-propene	41		5.669						
50 Carbon disulfide	76		5.697						
51 2-Methyl-2-propanol	59		5.711						
52 Methylene Chloride	84		5.753						
53 Acrylonitrile	53		5.892						
54 Methyl tert-butyl ether	73		5.948						
55 trans-1,2-Dichloroethene	96		5.976						
56 Hexane	57		6.154						
57 Vinyl acetate	43		6.225						
59 1,1-Dichloroethane	63		6.290						
62 2-Butanone (MEK)	43		6.654						
65 sec-Butyl Alcohol	45		6.697						
66 cis-1,2-Dichloroethene	96		6.719						
67 2,2-Dichloropropane	77		6.754						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128		6.912						
70 Chloroform	83	6.919	6.919	0.000	66	22842	0.3000	0.3359	
71 Tetrahydrofuran	42		6.948						
72 Isobutyl alcohol	41		7.112						
73 1,1,1-Trichloroethane	97		7.148						
74 Cyclohexane	56		7.234						
75 1,1-Dichloropropene	75		7.248						
76 Carbon tetrachloride	117		7.291						
77 1,2-Dichloroethane	62	7.391	7.398	-0.007	6	11403	0.3000	0.3274	
79 Benzene	78	7.427	7.427	0.000	92	56794	0.3000	0.3413	
14 n-Heptane	43		7.512						
81 Trichloroethene	95		7.884						
82 2-Pentanone	43		7.913						
84 1,2-Dichloropropane	63		8.063						
85 Methylcyclohexane	55		8.084						
86 1,4-Dioxane	88		8.113						
87 Dibromomethane	93		8.163						
88 Dichlorobromomethane	83	8.235	8.235	0.000	60	13538	0.3000	0.3184	
90 2-Chloroethyl vinyl ether	63		8.370						
91 cis-1,3-Dichloropropene	75	8.556	8.549	0.007	48	14896	0.3000	0.3121	
92 4-Methyl-2-pentanone (MIBK	43		8.606						
93 Toluene	91		8.835						
94 Ethyl methacrylate	69		8.914						
95 trans-1,3-Dichloropropene	75		8.921						
96 1,1,2-Trichloroethane	97		9.078						
97 2-Hexanone	43		9.193						
98 1,3-Dichloropropane	76		9.214						
99 Tetrachloroethene	164		9.250						
100 Chlorodibromomethane	129	9.407	9.407	0.000	32	6189	0.3000	0.2813	
102 Ethylene Dibromide	107		9.536						
103 1-Chlorohexane	91		9.765						
104 Chlorobenzene	112	9.872	9.879	-0.007	86	37025	0.3000	0.3501	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	56	9905	0.3000	0.3117	
106 Ethylbenzene	106		9.915						
107 m-Xylene & p-Xylene	106		9.994						
109 Styrene	104		10.301						
108 o-Xylene	106		10.308						
110 Bromoform	173		10.501						
111 Isopropylbenzene	105		10.566						
113 Cyclohexanone	55		10.680						
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	1	5485	0.3000	0.3236	
115 trans-1,4-Dichloro-2-buten	53		10.787						
116 1,2,3-Trichloropropane	110		10.830						
117 Bromobenzene	156		10.880						
118 N-Propylbenzene	120		10.880						
119 1,3,5-Trimethylbenzene	105		10.995						
120 2-Chlorotoluene	126		11.002						
121 4-Chlorotoluene	126		11.080						
122 tert-Butylbenzene	119		11.288						
123 1,2,4-Trimethylbenzene	105		11.316						
124 sec-Butylbenzene	134		11.466						
125 4-Isopropyltoluene	119		11.559						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146		11.624						
127 1,4-Dichlorobenzene	146	11.695	11.695	0.000	71	26702	0.3000	0.3528	
129 n-Butylbenzene	91		11.917						
130 1,2-Dichlorobenzene	146		12.046						
131 1,2-Dibromo-3-Chloropropan	157		12.775						
132 1,2,4-Trichlorobenzene	180		13.726						
133 Hexachlorobutadiene	225	13.883	13.883	0.000	48	10865	0.3000	0.3372	
134 Naphthalene	128		14.083						
135 1,2,3-Trichlorobenzene	180		14.398						
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		0.6000	0	
S 136 Trihalomethanes, Total	1				0		1.20	0.9356	
S 137 Xylenes, Total (URS)	1				0		0.6000	0	
S 138 Total BTEX	1				0			0.3413	
S 139 1,3-Dichloropropene, Total	1				0		0.6000	0.3121	
S 140 1,2-Dichloroethene, Total	1				0		0.6000	0	
S 141 Xylenes, Total	106				0		0.6000	0	

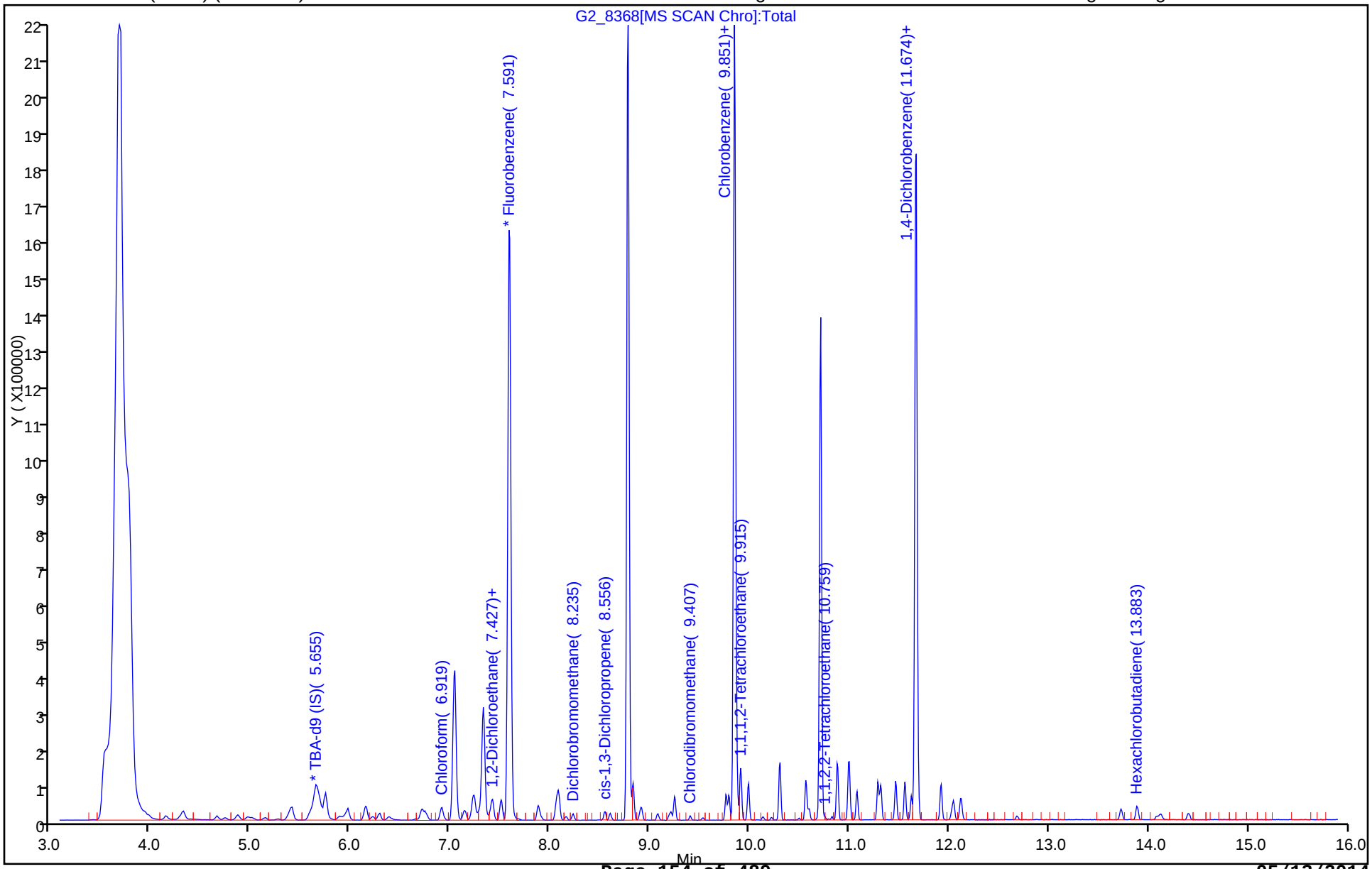
Report Date: 29-Apr-2014 06:27:18 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8368.D

Injection Date:	12-Mar-2014 09:55:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8369.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 12-Mar-2014 10:15:30 ALS Bottle#: 18 Worklist Smp#: 11
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: IC
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub88

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:27:19 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	211238	250.0	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.000	99	1833502	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.851	-0.001	85	392346	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	95	556137	12.5	12.5	
25 Dichlorodifluoromethane	85	3.993	3.993	0.000	68	48140	1.00	0.8952	
27 Chloromethane	50	4.160	4.174	-0.014	94	51669	1.00	1.00	
28 Vinyl chloride	62	4.300	4.314	-0.014	87	55164	1.00	1.03	
31 Bromomethane	94	4.663	4.677	-0.014	78	36446	1.00	1.00	
32 Chloroethane	64	4.747	4.747	0.000	71	34977	1.00	1.02	
33 Dichlorofluoromethane	67	4.873	4.887	-0.014	71	90429	1.00	1.05	
35 Trichlorofluoromethane	101	4.970	4.971	-0.001	76	75867	1.00	1.03	
38 Ethyl ether	59	5.152	5.152	0.000	78	21967	1.00	1.02	
41 Acrolein	56	5.278	5.278	0.000	57	15057	10.0	9.56	
42 Acetone	43		5.376						
43 1,1,2-Trichloro-1,2,2-trif	151	5.403	5.404	-0.001	85	37625	1.00	0.99	
45 1,1-Dichloroethene	96	5.417	5.417	0.000	92	44472	1.00	0.9880	
47 Iodomethane	142	5.585	5.585	0.000	96	68502	1.00	0.9859	
48 Methyl acetate	43	5.613	5.613	0.000	88	45149	5.00	5.12	
49 3-Chloro-1-propene	41	5.669	5.669	0.000	65	76638	1.00	1.02	
50 Carbon disulfide	76	5.697	5.697	0.000	98	189643	1.00	1.02	
51 2-Methyl-2-propanol	59	5.711	5.711	0.000	1	13279	10.0	10.7	
52 Methylene Chloride	84		5.753						
53 Acrylonitrile	53	5.892	5.892	0.000	96	43398	10.0	9.82	
54 Methyl tert-butyl ether	73	5.948	5.948	0.000	83	65732	1.00	1.00	
55 trans-1,2-Dichloroethene	96	5.976	5.976	0.000	92	51430	1.00	1.03	
56 Hexane	57	6.154	6.154	0.000	89	80529	1.00	1.04	
57 Vinyl acetate	43	6.225	6.225	0.000	88	68178	2.00	1.96	
59 1,1-Dichloroethane	63	6.290	6.290	0.000	73	83712	1.00	1.03	
62 2-Butanone (MEK)	43	6.647	6.654	-0.007	85	24596	4.00	4.15	
65 sec-Butyl Alcohol	45	6.697	6.697	0.000	39	19519	30.0	25.2	
66 cis-1,2-Dichloroethene	96	6.719	6.719	0.000	64	45560	1.00	1.00	
67 2,2-Dichloropropane	77	6.754	6.754	0.000	86	69571	1.00	1.02	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128	6.912	6.912	0.000	81	15527	1.00	1.00	
70 Chloroform	83	6.919	6.919	0.000	77	76658	1.00	1.02	
71 Tetrahydrofuran	42	6.947	6.948	-0.001	76	6669	2.00	2.03	
72 Isobutyl alcohol	41	7.112	7.112	0.000	27	2689	10.0	-7.42	
73 1,1,1-Trichloroethane	97	7.148	7.148	0.000	87	75850	1.00	1.03	
74 Cyclohexane	56	7.226	7.234	-0.008	91	91192	1.00	1.04	
75 1,1-Dichloropropene	75	7.248	7.248	0.000	82	70151	1.00	1.05	
76 Carbon tetrachloride	117	7.291	7.291	0.000	48	66112	1.00	1.02	
77 1,2-Dichloroethane	62	7.391	7.398	-0.007	53	38809	1.00	1.01	
79 Benzene	78	7.427	7.427	0.000	92	186110	1.00	1.01	
14 n-Heptane	43	7.512	7.512	0.000	89	81752	1.00	1.03	
81 Trichloroethene	95	7.884	7.884	0.000	89	50382	1.00	1.04	
82 2-Pentanone	43	7.913	7.913	0.000	82	35124	4.00	3.56	
84 1,2-Dichloropropane	63	8.063	8.063	0.000	82	41803	1.00	1.05	
85 Methylcyclohexane	55	8.092	8.084	0.008	91	76859	1.00	1.08	
86 1,4-Dioxane	88		8.113						
87 Dibromomethane	93	8.163	8.163	0.000	77	14620	1.00	1.02	
88 Dichlorobromomethane	83	8.235	8.235	-0.001	86	44902	1.00	0.9532	
90 2-Chloroethyl vinyl ether	63	8.370	8.370	0.000	19	3419	1.00	1.25	
91 cis-1,3-Dichloropropene	75	8.556	8.549	0.007	76	50419	1.00	0.9522	
92 4-Methyl-2-pentanone (MIBK	43	8.606	8.606	0.000	92	43878	4.00	3.85	
93 Toluene	91	8.835	8.835	0.000	92	200825	1.00	1.05	
94 Ethyl methacrylate	69	8.914	8.914	0.000	78	19900	1.00	0.8985	
95 trans-1,3-Dichloropropene	75	8.921	8.921	0.000	86	39582	1.00	0.9521	
96 1,1,2-Trichloroethane	97	9.078	9.078	0.000	74	20582	1.00	1.03	
97 2-Hexanone	43	9.193	9.193	0.000	90	28594	4.00	3.78	
98 1,3-Dichloropropane	76	9.214	9.214	0.000	81	38262	1.00	1.02	
99 Tetrachloroethene	164	9.250	9.250	0.000	91	42713	1.00	1.04	
100 Chlorodibromomethane	129	9.407	9.407	0.000	70	22587	1.00	0.9256	
102 Ethylene Dibromide	107	9.536	9.536	0.000	70	17416	1.00	0.9554	
103 1-Chlorohexane	91	9.765	9.765	0.000	90	68301	1.00	0.99	
104 Chlorobenzene	112	9.879	9.879	0.000	92	118784	1.00	1.01	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	84	33851	1.00	0.9602	
106 Ethylbenzene	106	9.915	9.915	0.000	98	72877	1.00	1.03	
107 m-Xylene & p-Xylene	106	9.993	9.994	-0.001	99	88815	1.00	1.03	
109 Styrene	104	10.308	10.301	0.007	85	111081	1.00	0.9779	
108 o-Xylene	106	10.308	10.308	0.000	90	78426	1.00	1.01	
110 Bromoform	173	10.501	10.501	0.000	76	9728	1.00	0.8434	
111 Isopropylbenzene	105	10.565	10.566	-0.001	94	231038	1.00	1.07	
113 Cyclohexanone	55	10.680	10.680	0.000	71	13119	40.0	41.6	
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	40	18412	1.00	0.9776	
115 trans-1,4-Dichloro-2-buten	53	10.794	10.787	0.007	31	4372	1.00	0.9404	
116 1,2,3-Trichloropropane	110	10.830	10.830	0.000	45	5084	1.00	0.9594	
117 Bromobenzene	156	10.880	10.880	0.000	93	41586	1.00	1.01	
118 N-Propylbenzene	120	10.887	10.880	0.007	96	63010	1.00	1.02	
119 1,3,5-Trimethylbenzene	105	10.995	10.995	-0.001	89	180790	1.00	1.04	
120 2-Chlorotoluene	126	11.002	11.002	0.000	94	50254	1.00	1.05	
121 4-Chlorotoluene	126	11.080	11.080	0.000	98	48811	1.00	1.02	
122 tert-Butylbenzene	119	11.288	11.288	0.000	87	182475	1.00	1.02	
123 1,2,4-Trimethylbenzene	105	11.316	11.316	0.000	96	174302	1.00	1.03	
124 sec-Butylbenzene	134	11.466	11.466	0.000	93	48781	1.00	1.00	
125 4-Isopropyltoluene	119	11.559	11.559	0.000	95	204582	1.00	1.04	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146	11.624	11.624	0.000	82	90255	1.00	1.06	
127 1,4-Dichlorobenzene	146	11.695	11.695	0.000	81	84950	1.00	1.01	
129 n-Butylbenzene	91	11.917	11.917	0.000	97	190373	1.00	1.04	
130 1,2-Dichlorobenzene	146	12.046	12.046	0.000	91	68791	1.00	1.02	
131 1,2-Dibromo-3-Chloropropan	157	12.775	12.775	0.000	1	1763	1.00	0.9765	
132 1,2,4-Trichlorobenzene	180	13.726	13.726	0.000	84	43199	1.00	0.9738	
133 Hexachlorobutadiene	225	13.883	13.883	0.000	84	35076	1.00	0.9798	
134 Naphthalene	128	14.083	14.083	0.000	78	46453	1.00	0.9093	
135 1,2,3-Trichlorobenzene	180	14.398	14.398	0.000	79	32107	1.00	0.9789	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		2.00	2.03	
S 136 Trihalomethanes, Total	1				0		4.00	3.74	
S 137 Xylenes, Total (URS)	1				0		2.00	2.04	
S 138 Total BTEX	1				0			5.13	
S 139 1,3-Dichloropropene, Total	1				0		2.00	1.90	
S 140 1,2-Dichloroethene, Total	1				0		2.00	2.03	
S 141 Xylenes, Total	106				0		2.00	2.04	

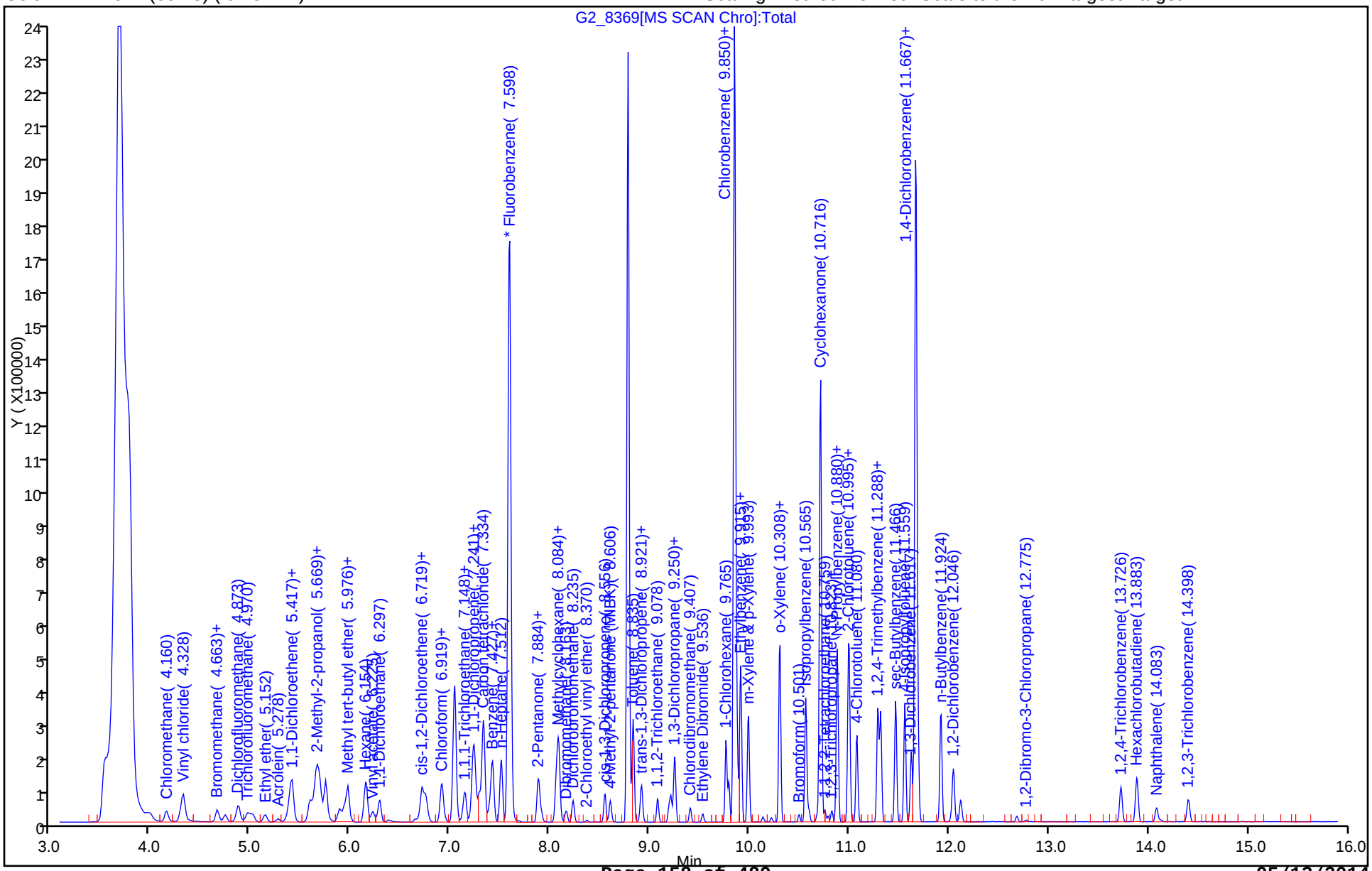
Report Date: 29-Apr-2014 06:27:20 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8369.D

Injection Date:	12-Mar-2014 10:15:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic			Worklist Smp#:	11
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8370.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 12-Mar-2014 10:35:30 ALS Bottle#: 19 Worklist Smp#: 12
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: IC
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub88

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:27:21 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	196843	250.0	250.0	
* 1 Fluorobenzene	96	7.591	7.598	-0.007	99	1689100	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.851	9.851	0.000	86	358757	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	95	516076	12.5	12.5	
25 Dichlorodifluoromethane	85	3.993	3.993	0.000	88	109273	2.00	2.21	
27 Chloromethane	50	4.147	4.174	-0.027	89	105395	2.00	2.21	
28 Vinyl chloride	62	4.300	4.314	-0.014	87	105394	2.00	2.14	
31 Bromomethane	94	4.663	4.677	-0.014	88	70704	2.00	2.11	
32 Chloroethane	64	4.747	4.747	0.000	91	65283	2.00	2.08	
33 Dichlorofluoromethane	67	4.873	4.887	-0.014	75	169118	2.00	2.12	
35 Trichlorofluoromethane	101	4.971	4.971	0.000	88	145205	2.00	2.13	
38 Ethyl ether	59	5.138	5.152	-0.014	87	41549	2.00	2.10	
41 Acrolein	56	5.278	5.278	0.000	74	29266	20.0	20.2	
42 Acetone	43	5.376	5.376	0.000	91	32473	8.00	9.71	
43 1,1,2-Trichloro-1,2,2-trif	151	5.390	5.404	-0.014	90	75093	2.00	2.15	
45 1,1-Dichloroethene	96	5.417	5.417	0.000	95	88525	2.00	2.13	
47 Iodomethane	142	5.585	5.585	0.000	98	136186	2.00	2.13	
48 Methyl acetate	43	5.599	5.613	-0.014	88	86877	10.0	10.7	
49 3-Chloro-1-propene	41	5.669	5.669	0.000	68	152947	2.00	2.21	
50 Carbon disulfide	76	5.683	5.697	-0.014	98	375260	2.00	2.18	
51 2-Methyl-2-propanol	59	5.711	5.711	0.000	1	23535	20.0	20.5	
52 Methylene Chloride	84	5.753	5.753	0.000	80	106776	2.00	2.02	
53 Acrylonitrile	53	5.892	5.892	0.000	99	86781	20.0	21.3	
54 Methyl tert-butyl ether	73	5.934	5.948	-0.014	89	127870	2.00	2.11	
55 trans-1,2-Dichloroethene	96	5.976	5.976	0.000	97	98354	2.00	2.14	
56 Hexane	57	6.154	6.154	0.000	90	160042	2.00	2.26	
57 Vinyl acetate	43	6.225	6.225	0.000	88	137634	4.00	4.29	
59 1,1-Dichloroethane	63	6.290	6.290	0.000	82	164094	2.00	2.20	
62 2-Butanone (MEK)	43	6.654	6.654	0.000	89	46278	8.00	8.47	
65 sec-Butyl Alcohol	45	6.697	6.697	0.000	57	43100	60.0	60.5	
66 cis-1,2-Dichloroethene	96	6.719	6.719	0.000	68	91122	2.00	2.16	
67 2,2-Dichloropropane	77	6.754	6.754	0.000	88	136077	2.00	2.17	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128	6.912	6.912	0.000	86	30545	2.00	2.14	
70 Chloroform	83	6.919	6.919	0.000	80	147998	2.00	2.13	
71 Tetrahydrofuran	42	6.955	6.948	0.007	74	12770	4.00	4.23	
72 Isobutyl alcohol	41	7.112	7.112	0.000	50	6387	20.0	17.8	
73 1,1,1-Trichloroethane	97	7.148	7.148	0.000	90	149775	2.00	2.20	
74 Cyclohexane	56	7.226	7.234	-0.008	89	178859	2.00	2.21	
75 1,1-Dichloropropene	75	7.248	7.248	0.000	87	133364	2.00	2.16	
76 Carbon tetrachloride	117	7.291	7.291	0.000	70	127881	2.00	2.15	
77 1,2-Dichloroethane	62	7.391	7.398	-0.007	72	77294	2.00	2.17	
79 Benzene	78	7.419	7.427	-0.008	96	365516	2.00	2.15	
14 n-Heptane	43	7.512	7.512	0.000	89	163176	2.00	2.24	
81 Trichloroethene	95	7.884	7.884	0.000	93	95179	2.00	2.13	
82 2-Pentanone	43	7.913	7.913	0.000	86	84415	8.00	9.28	
84 1,2-Dichloropropane	63	8.063	8.063	0.000	91	81096	2.00	2.22	
85 Methylcyclohexane	55	8.084	8.084	0.000	91	143491	2.00	2.18	
86 1,4-Dioxane	88	8.120	8.113	0.007	14	3459	40.0	35.1	
87 Dibromomethane	93	8.163	8.163	0.000	87	28508	2.00	2.16	
88 Dichlorobromomethane	83	8.235	8.235	0.000	89	91290	2.00	2.10	
90 2-Chloroethyl vinyl ether	63	8.370	8.370	0.000	40	7150	2.00	2.02	
91 cis-1,3-Dichloropropene	75	8.549	8.549	0.000	82	102462	2.00	2.12	
92 4-Methyl-2-pentanone (MIBK	43	8.606	8.606	0.000	91	84850	8.00	8.09	
93 Toluene	91	8.835	8.835	0.000	94	392469	2.00	2.22	
94 Ethyl methacrylate	69	8.914	8.914	0.000	84	40776	2.00	2.01	
95 trans-1,3-Dichloropropene	75	8.921	8.921	0.000	94	80333	2.00	2.10	
96 1,1,2-Trichloroethane	97	9.078	9.078	0.000	85	38271	2.00	2.08	
97 2-Hexanone	43	9.193	9.193	0.000	92	54867	8.00	7.94	
98 1,3-Dichloropropane	76	9.214	9.214	0.000	89	75758	2.00	2.20	
99 Tetrachloroethene	164	9.250	9.250	0.000	91	82198	2.00	2.19	
100 Chlorodibromomethane	129	9.407	9.407	0.000	80	47263	2.00	2.12	
102 Ethylene Dibromide	107	9.536	9.536	0.000	82	36462	2.00	2.19	
103 1-Chlorohexane	91	9.765	9.765	0.000	97	138235	2.00	2.20	
104 Chlorobenzene	112	9.872	9.879	-0.007	94	231655	2.00	2.16	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	78	68045	2.00	2.11	
106 Ethylbenzene	106	9.915	9.915	0.000	98	142346	2.00	2.19	
107 m-Xylene & p-Xylene	106	9.994	9.994	0.000	100	173513	2.00	2.19	
109 Styrene	104	10.301	10.301	0.000	86	223371	2.00	2.15	
108 o-Xylene	106	10.308	10.308	0.000	89	155852	2.00	2.20	
110 Bromoform	173	10.494	10.501	-0.007	79	21238	2.00	2.01	
111 Isopropylbenzene	105	10.566	10.566	0.000	96	450109	2.00	2.24	
113 Cyclohexanone	55	10.680	10.680	0.000	75	23382	80.0	81.0	
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	65	36480	2.00	2.09	
115 trans-1,4-Dichloro-2-buten	53	10.787	10.787	0.000	67	8510	2.00	1.97	
116 1,2,3-Trichloropropane	110	10.830	10.830	0.000	58	10760	2.00	2.19	
117 Bromobenzene	156	10.880	10.880	0.000	97	82510	2.00	2.16	
118 N-Propylbenzene	120	10.880	10.880	0.000	96	123833	2.00	2.16	
119 1,3,5-Trimethylbenzene	105	10.995	10.995	0.000	91	356459	2.00	2.22	
120 2-Chlorotoluene	126	11.002	11.002	0.000	94	96887	2.00	2.18	
121 4-Chlorotoluene	126	11.080	11.080	0.000	98	96913	2.00	2.18	
122 tert-Butylbenzene	119	11.288	11.288	0.000	92	363662	2.00	2.20	
123 1,2,4-Trimethylbenzene	105	11.316	11.316	0.000	97	346290	2.00	2.21	
124 sec-Butylbenzene	134	11.467	11.466	0.000	93	97869	2.00	2.16	
125 4-Isopropyltoluene	119	11.559	11.559	0.000	96	409867	2.00	2.24	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146	11.624	11.624	0.000	88	173252	2.00	2.19	
127 1,4-Dichlorobenzene	146	11.695	11.695	0.000	90	166774	2.00	2.14	
129 n-Butylbenzene	91	11.917	11.917	0.000	94	378491	2.00	2.23	
130 1,2-Dichlorobenzene	146	12.046	12.046	0.000	95	136632	2.00	2.18	
131 1,2-Dibromo-3-Chloropropan	157	12.782	12.775	0.007	20	4831	2.00	2.19	
132 1,2,4-Trichlorobenzene	180	13.726	13.726	0.000	87	87632	2.00	2.13	
133 Hexachlorobutadiene	225	13.890	13.883	0.007	90	69621	2.00	2.10	
134 Naphthalene	128	14.083	14.083	0.000	85	94660	2.00	2.00	
135 1,2,3-Trichlorobenzene	180	14.398	14.398	0.000	88	64493	2.00	2.12	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		4.00	4.31	
S 136 Trihalomethanes, Total	1				0		8.00	8.37	
S 137 Xylenes, Total (URS)	1				0		4.00	4.40	
S 138 Total BTEX	1				0			11.0	
S 139 1,3-Dichloropropene, Total	1				0		4.00	4.21	
S 140 1,2-Dichloroethene, Total	1				0		4.00	4.31	
S 141 Xylenes, Total	106				0		4.00	4.40	

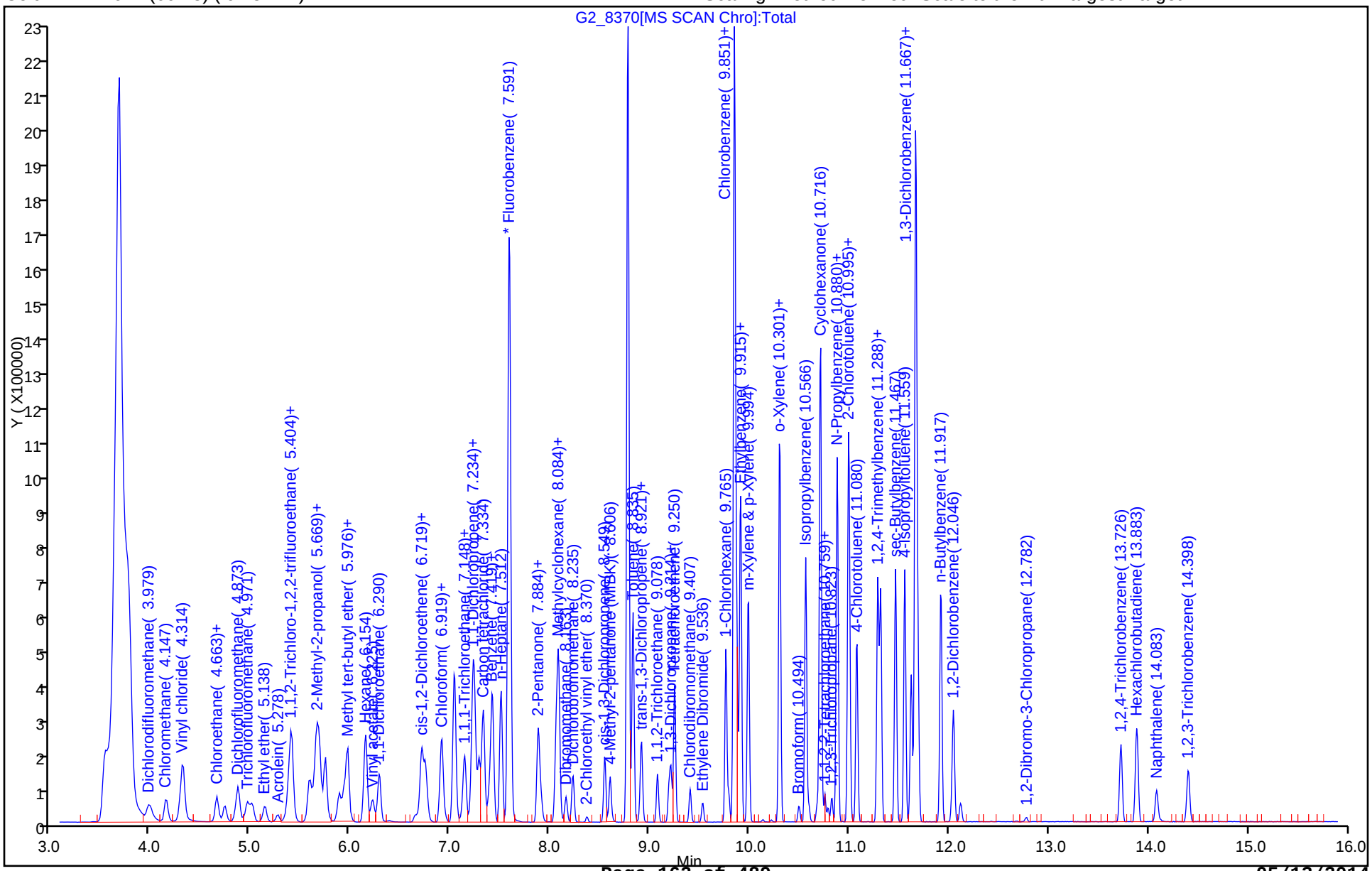
Report Date: 29-Apr-2014 06:27:21 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8370.D

Injection Date:	12-Mar-2014 10:35:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic			Worklist Smp#:	12
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8371.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 12-Mar-2014 10:55:30 ALS Bottle#: 20 Worklist Smp#: 13
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: IC
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub88

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:39:48 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	229433	250.0	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.000	98	1875162	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.851	9.851	0.000	84	409746	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	88	577729	12.5	12.5	
25 Dichlorodifluoromethane	85	3.993	3.993	0.000	87	284579	5.00	5.17	
27 Chloromethane	50	4.161	4.174	-0.013	88	263651	5.00	4.99	
28 Vinyl chloride	62	4.314	4.314	0.000	98	277394	5.00	5.08	
31 Bromomethane	94	4.663	4.677	-0.014	88	184574	5.00	4.96	
32 Chloroethane	64	4.747	4.747	0.000	94	171878	5.00	4.92	
33 Dichlorofluoromethane	67	4.887	4.887	0.000	78	434609	5.00	4.91	
35 Trichlorofluoromethane	101	4.971	4.971	0.000	93	376679	5.00	4.99	
38 Ethyl ether	59	5.152	5.152	0.000	89	104456	5.00	4.75	
41 Acrolein	56	5.278	5.278	0.000	89	77850	50.0	48.3	
42 Acetone	43	5.376	5.376	0.000	97	74363	20.0	20.0	
43 1,1,2-Trichloro-1,2,2-trif	151	5.404	5.404	0.000	86	191542	5.00	4.95	
45 1,1-Dichloroethene	96	5.417	5.417	0.000	89	224408	5.00	4.87	
47 Iodomethane	142	5.585	5.585	0.000	99	343273	5.00	4.83	
48 Methyl acetate	43	5.599	5.613	-0.014	88	228498	25.0	25.3	
49 3-Chloro-1-propene	41	5.669	5.669	0.000	80	377003	5.00	4.91	
50 Carbon disulfide	76	5.697	5.697	0.000	98	946896	5.00	4.96	
51 2-Methyl-2-propanol	59	5.711	5.711	0.000	28	59179	50.0	46.5	
52 Methylene Chloride	84	5.753	5.753	0.000	80	226430	5.00	4.86	
53 Acrylonitrile	53	5.892	5.892	0.000	99	220124	50.0	48.7	
54 Methyl tert-butyl ether	73	5.934	5.948	-0.014	90	324767	5.00	4.83	
55 trans-1,2-Dichloroethene	96	5.976	5.976	0.000	94	246187	5.00	4.84	
56 Hexane	57	6.154	6.154	0.000	91	395243	5.00	4.88	
57 Vinyl acetate	43	6.225	6.225	0.000	90	343750	10.0	9.64	
59 1,1-Dichloroethane	63	6.290	6.290	0.000	85	407319	5.00	4.91	
62 2-Butanone (MEK)	43	6.654	6.654	0.000	96	116616	20.0	19.2	
65 sec-Butyl Alcohol	45	6.697	6.697	0.000	75	107445	150.0	135.8	
66 cis-1,2-Dichloroethene	96	6.719	6.719	0.000	68	224608	5.00	4.80	
67 2,2-Dichloropropane	77	6.755	6.754	0.000	81	344315	5.00	4.95	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128	6.912	6.912	0.000	91	75415	5.00	4.76	
70 Chloroform	83	6.919	6.919	0.000	81	365888	5.00	4.75	
71 Tetrahydrofuran	42	6.948	6.948	0.000	84	32220	10.0	9.61	
72 Isobutyl alcohol	41	7.112	7.112	0.000	58	15948	50.0	48.5	
73 1,1,1-Trichloroethane	97	7.148	7.148	0.000	91	367770	5.00	4.87	
74 Cyclohexane	56	7.226	7.234	-0.008	90	442690	5.00	4.92	
75 1,1-Dichloropropene	75	7.248	7.248	0.000	87	337277	5.00	4.93	
76 Carbon tetrachloride	117	7.291	7.291	0.000	73	321023	5.00	4.86	
77 1,2-Dichloroethane	62	7.391	7.398	-0.007	78	192100	5.00	4.87	
79 Benzene	78	7.427	7.427	0.000	89	901377	5.00	4.78	
14 n-Heptane	43	7.512	7.512	0.000	90	400728	5.00	4.96	
81 Trichloroethene	95	7.884	7.884	0.000	94	240734	5.00	4.84	
82 2-Pentanone	43	7.913	7.913	0.000	99	199336	20.0	19.7	
84 1,2-Dichloropropane	63	8.063	8.063	0.000	91	193321	5.00	4.77	
85 Methylcyclohexane	55	8.092	8.084	0.008	90	356890	5.00	4.89	
86 1,4-Dioxane	88	8.113	8.113	0.000	48	10156	100.0	92.8	
87 Dibromomethane	93	8.163	8.163	0.000	85	68973	5.00	4.72	
88 Dichlorobromomethane	83	8.235	8.235	0.000	93	230866	5.00	4.79	
90 2-Chloroethyl vinyl ether	63	8.378	8.370	0.008	74	20696	5.00	4.21	
91 cis-1,3-Dichloropropene	75	8.549	8.549	0.000	88	265478	5.00	4.80	
92 4-Methyl-2-pentanone (MIBK	43	8.606	8.606	0.000	95	225621	20.0	19.4	
93 Toluene	91	8.835	8.835	0.000	98	968108	5.00	4.94	
94 Ethyl methacrylate	69	8.914	8.914	0.000	88	110007	5.00	4.76	
95 trans-1,3-Dichloropropene	75	8.921	8.921	0.000	94	208719	5.00	4.91	
96 1,1,2-Trichloroethane	97	9.078	9.078	0.000	86	97514	5.00	4.78	
97 2-Hexanone	43	9.193	9.193	0.000	93	157747	20.0	20.0	
98 1,3-Dichloropropane	76	9.214	9.214	0.000	91	190103	5.00	4.83	
99 Tetrachloroethene	164	9.250	9.250	0.000	92	204037	5.00	4.75	
100 Chlorodibromomethane	129	9.407	9.407	0.000	88	123902	5.00	4.86	
102 Ethylene Dibromide	107	9.536	9.536	0.000	97	90527	5.00	4.76	
103 1-Chlorohexane	91	9.765	9.765	0.000	95	348126	5.00	4.84	
104 Chlorobenzene	112	9.872	9.879	-0.007	93	570641	5.00	4.66	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	84	175496	5.00	4.77	
106 Ethylbenzene	106	9.915	9.915	0.000	98	352897	5.00	4.76	
107 m-Xylene & p-Xylene	106	9.994	9.994	0.000	99	431877	5.00	4.78	
109 Styrene	104	10.301	10.301	0.000	87	578792	5.00	4.88	
108 o-Xylene	106	10.308	10.308	0.000	88	392100	5.00	4.85	
110 Bromoform	173	10.501	10.501	0.000	97	56608	5.00	4.70	
111 Isopropylbenzene	105	10.566	10.566	0.000	96	1124788	5.00	5.00	
113 Cyclohexanone	55	10.680	10.680	0.000	85	60848	200.0	184.6	
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	82	94659	5.00	4.84	
115 trans-1,4-Dichloro-2-buten	53	10.787	10.787	0.000	77	23783	5.00	4.92	
116 1,2,3-Trichloropropane	110	10.830	10.830	0.000	83	27000	5.00	4.90	
117 Bromobenzene	156	10.880	10.880	0.000	97	205292	5.00	4.80	
118 N-Propylbenzene	120	10.880	10.880	0.000	96	313278	5.00	4.87	
119 1,3,5-Trimethylbenzene	105	10.995	10.995	0.000	93	893155	5.00	4.96	
120 2-Chlorotoluene	126	11.002	11.002	0.000	94	239923	5.00	4.82	
121 4-Chlorotoluene	126	11.080	11.080	0.000	98	239838	5.00	4.82	
122 tert-Butylbenzene	119	11.288	11.288	0.000	91	917897	5.00	4.96	
123 1,2,4-Trimethylbenzene	105	11.316	11.316	0.000	98	865506	5.00	4.93	
124 sec-Butylbenzene	134	11.467	11.466	0.001	94	245269	5.00	4.85	
125 4-Isopropyltoluene	119	11.559	11.559	0.000	97	1019762	5.00	4.97	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146	11.624	11.624	0.000	84	426450	5.00	4.81	
127 1,4-Dichlorobenzene	146	11.695	11.695	0.000	83	409729	5.00	4.69	
129 n-Butylbenzene	91	11.917	11.917	0.000	95	944672	5.00	4.98	
130 1,2-Dichlorobenzene	146	12.046	12.046	0.000	97	339421	5.00	4.84	
131 1,2-Dibromo-3-Chloropropan	157	12.775	12.775	0.000	47	12132	5.00	4.47	
132 1,2,4-Trichlorobenzene	180	13.726	13.726	0.000	92	218192	5.00	4.73	
133 Hexachlorobutadiene	225	13.883	13.883	0.000	95	174356	5.00	4.69	
134 Naphthalene	128	14.084	14.083	0.001	96	250668	5.00	4.72	
135 1,2,3-Trichlorobenzene	180	14.398	14.398	0.000	94	162301	5.00	4.76	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		10.0	9.64	
S 136 Trihalomethanes, Total	1				0		20.0	19.1	
S 137 Xylenes, Total (URS)	1				0		10.0	9.63	
S 138 Total BTEX	1				0			24.1	
S 139 1,3-Dichloropropene, Total	1				0		10.0	9.71	
S 140 1,2-Dichloroethene, Total	1				0		10.0	9.64	
S 141 Xylenes, Total	106				0		10.0	9.63	

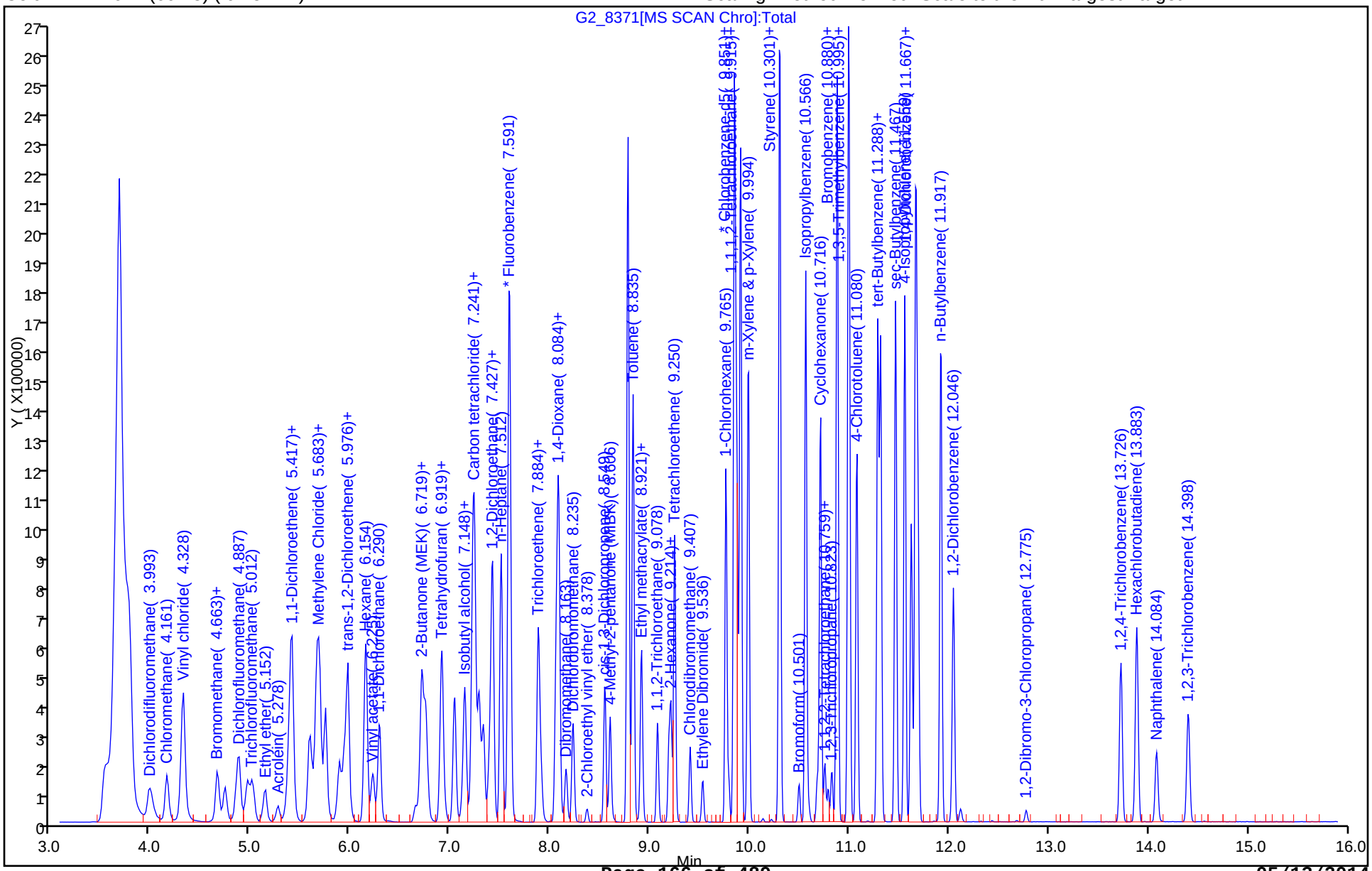
Report Date: 29-Apr-2014 06:39:48 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8371.D

Injection Date:	12-Mar-2014 10:55:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic			Worklist Smp#:	13
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8372.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 12-Mar-2014 11:15:30 ALS Bottle#: 21 Worklist Smp#: 14
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: IC
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub88

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:27:22 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	237927	250.0	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.000	98	1939530	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.851	9.851	0.000	84	421340	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	80	611157	12.5	12.5	
25 Dichlorodifluoromethane	85	3.993	3.993	0.000	87	567992	10.0	9.98	
27 Chloromethane	50	4.174	4.174	0.000	88	531979	10.0	9.73	
28 Vinyl chloride	62	4.314	4.314	0.000	82	551874	10.0	9.78	
31 Bromomethane	94	4.677	4.677	0.000	88	382421	10.0	9.94	
32 Chloroethane	64	4.747	4.747	0.000	94	352608	10.0	9.77	
33 Dichlorofluoromethane	67	4.887	4.887	0.000	75	887038	10.0	9.69	
35 Trichlorofluoromethane	101	4.971	4.971	0.000	86	760014	10.0	9.73	
38 Ethyl ether	59	5.152	5.152	0.000	89	220664	10.0	9.70	
41 Acrolein	56	5.278	5.278	0.000	91	165343	100.0	99.2	
42 Acetone	43	5.376	5.376	0.000	98	145400	40.0	37.9	
43 1,1,2-Trichloro-1,2,2-trif	151	5.404	5.404	0.000	94	390218	10.0	9.75	
45 1,1-Dichloroethene	96	5.417	5.417	0.000	89	464750	10.0	9.76	
47 Iodomethane	142	5.585	5.585	0.000	99	718194	10.0	9.77	
48 Methyl acetate	43	5.613	5.613	0.000	88	438360	50.0	47.0	
49 3-Chloro-1-propene	41	5.669	5.669	0.000	71	773738	10.0	9.75	
50 Carbon disulfide	76	5.697	5.697	0.000	99	1934019	10.0	9.80	
51 2-Methyl-2-propanol	59	5.711	5.711	0.000	1	128317	100.0	97.4	
52 Methylene Chloride	84	5.753	5.753	0.000	79	429066	10.0	9.81	
53 Acrylonitrile	53	5.892	5.892	0.000	99	456874	100.0	97.8	
54 Methyl tert-butyl ether	73	5.948	5.948	0.000	84	681272	10.0	9.81	
55 trans-1,2-Dichloroethene	96	5.976	5.976	0.000	95	508016	10.0	9.65	
56 Hexane	57	6.154	6.154	0.000	91	813633	10.0	9.76	
57 Vinyl acetate	43	6.225	6.225	0.000	90	722201	20.0	19.6	
59 1,1-Dichloroethane	63	6.290	6.290	0.000	85	829353	10.0	9.67	
62 2-Butanone (MEK)	43	6.654	6.654	0.000	100	240662	40.0	38.4	
65 sec-Butyl Alcohol	45	6.697	6.697	0.000	82	252044	300.0	307.9	
66 cis-1,2-Dichloroethene	96	6.719	6.719	0.000	68	471176	10.0	9.74	
67 2,2-Dichloropropane	77	6.754	6.754	0.000	81	700066	10.0	9.72	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128	6.912	6.912	0.000	92	158237	10.0	9.65	
70 Chloroform	83	6.919	6.919	0.000	93	760709	10.0	9.54	
71 Tetrahydrofuran	42	6.948	6.948	0.000	88	66852	20.0	19.3	
72 Isobutyl alcohol	41	7.112	7.112	0.000	88	33825	100.0	183.3	
73 1,1,1-Trichloroethane	97	7.148	7.148	0.000	91	755106	10.0	9.67	
74 Cyclohexane	56	7.234	7.234	0.000	90	910670	10.0	9.78	
75 1,1-Dichloropropene	75	7.248	7.248	0.000	88	683330	10.0	9.65	
76 Carbon tetrachloride	117	7.291	7.291	0.000	73	670103	10.0	9.81	
77 1,2-Dichloroethane	62	7.398	7.398	0.000	87	390414	10.0	9.56	
79 Benzene	78	7.427	7.427	0.000	95	1853450	10.0	9.50	
14 n-Heptane	43	7.512	7.512	0.000	90	826034	10.0	9.88	
81 Trichloroethene	95	7.884	7.884	0.000	94	492886	10.0	9.58	
82 2-Pentanone	43	7.913	7.913	0.000	99	389210	40.0	37.3	
84 1,2-Dichloropropane	63	8.063	8.063	0.000	93	406892	10.0	9.70	
85 Methylcyclohexane	55	8.084	8.084	0.000	91	731783	10.0	9.68	
86 1,4-Dioxane	88	8.113	8.113	0.000	75	24187	200.0	213.6	
87 Dibromomethane	93	8.163	8.163	0.000	87	147105	10.0	9.73	
88 Dichlorobromomethane	83	8.235	8.235	0.000	94	487181	10.0	9.78	
90 2-Chloroethyl vinyl ether	63	8.370	8.370	0.000	86	46432	10.0	8.37	
91 cis-1,3-Dichloropropene	75	8.549	8.549	0.000	89	561327	10.0	9.87	
92 4-Methyl-2-pentanone (MIBK	43	8.606	8.606	0.000	93	480918	40.0	39.9	
93 Toluene	91	8.835	8.835	0.000	98	1978470	10.0	9.77	
94 Ethyl methacrylate	69	8.914	8.914	0.000	89	238823	10.0	10.0	
95 trans-1,3-Dichloropropene	75	8.921	8.921	0.000	94	436186	10.0	9.92	
96 1,1,2-Trichloroethane	97	9.078	9.078	0.000	87	203421	10.0	9.64	
97 2-Hexanone	43	9.193	9.193	0.000	93	327106	40.0	40.3	
98 1,3-Dichloropropane	76	9.214	9.214	0.000	91	395790	10.0	9.78	
99 Tetrachloroethene	164	9.250	9.250	0.000	92	424671	10.0	9.62	
100 Chlorodibromomethane	129	9.407	9.407	0.000	88	263767	10.0	10.1	
102 Ethylene Dibromide	107	9.536	9.536	0.000	98	191417	10.0	9.78	
103 1-Chlorohexane	91	9.765	9.765	0.000	98	723642	10.0	9.79	
104 Chlorobenzene	112	9.879	9.879	0.000	94	1193246	10.0	9.47	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	89	371224	10.0	9.81	
106 Ethylbenzene	106	9.915	9.915	0.000	98	741798	10.0	9.73	
107 m-Xylene & p-Xylene	106	9.994	9.994	0.000	100	902701	10.0	9.72	
109 Styrene	104	10.301	10.301	0.000	87	1226139	10.0	10.1	
108 o-Xylene	106	10.308	10.308	0.000	89	821562	10.0	9.89	
110 Bromoform	173	10.501	10.501	0.000	97	124348	10.0	10.0	
111 Isopropylbenzene	105	10.566	10.566	0.000	96	2320388	10.0	9.74	
113 Cyclohexanone	55	10.680	10.680	0.000	92	133264	400.0	393.1	
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	61	197223	10.0	9.53	
115 trans-1,4-Dichloro-2-buten	53	10.787	10.787	0.000	82	50362	10.0	9.86	
116 1,2,3-Trichloropropane	110	10.830	10.830	0.000	71	56740	10.0	9.74	
117 Bromobenzene	156	10.880	10.880	0.000	97	432377	10.0	9.55	
118 N-Propylbenzene	120	10.880	10.880	0.000	96	650282	10.0	9.56	
119 1,3,5-Trimethylbenzene	105	10.995	10.995	0.000	93	1846131	10.0	9.69	
120 2-Chlorotoluene	126	11.002	11.002	0.000	94	500771	10.0	9.51	
121 4-Chlorotoluene	126	11.080	11.080	0.000	98	504665	10.0	9.59	
122 tert-Butylbenzene	119	11.288	11.288	0.000	89	1902488	10.0	9.72	
123 1,2,4-Trimethylbenzene	105	11.316	11.316	0.000	98	1800915	10.0	9.70	
124 sec-Butylbenzene	134	11.466	11.466	0.000	94	511534	10.0	9.55	
125 4-Isopropyltoluene	119	11.559	11.559	0.000	95	2118847	10.0	9.77	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146	11.624	11.624	0.000	89	897441	10.0	9.56	
127 1,4-Dichlorobenzene	146	11.695	11.695	0.000	94	856725	10.0	9.27	
129 n-Butylbenzene	91	11.917	11.917	0.000	95	1949300	10.0	9.72	
130 1,2-Dichlorobenzene	146	12.046	12.046	0.000	96	711031	10.0	9.59	
131 1,2-Dibromo-3-Chloropropan	157	12.775	12.775	0.000	63	28493	10.0	9.48	
132 1,2,4-Trichlorobenzene	180	13.726	13.726	0.000	91	477596	10.0	9.80	
133 Hexachlorobutadiene	225	13.883	13.883	0.000	95	368813	10.0	9.37	
134 Naphthalene	128	14.083	14.083	0.000	97	567833	10.0	10.1	
135 1,2,3-Trichlorobenzene	180	14.398	14.398	0.000	94	354806	10.0	9.84	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		20.0	19.4	
S 136 Trihalomethanes, Total	1				0		40.0	39.4	
S 137 Xylenes, Total (URS)	1				0		20.0	19.6	
S 138 Total BTEX	1				0			48.6	
S 139 1,3-Dichloropropene, Total	1				0		20.0	19.8	
S 140 1,2-Dichloroethene, Total	1				0		20.0	19.4	
S 141 Xylenes, Total	106				0		20.0	19.6	

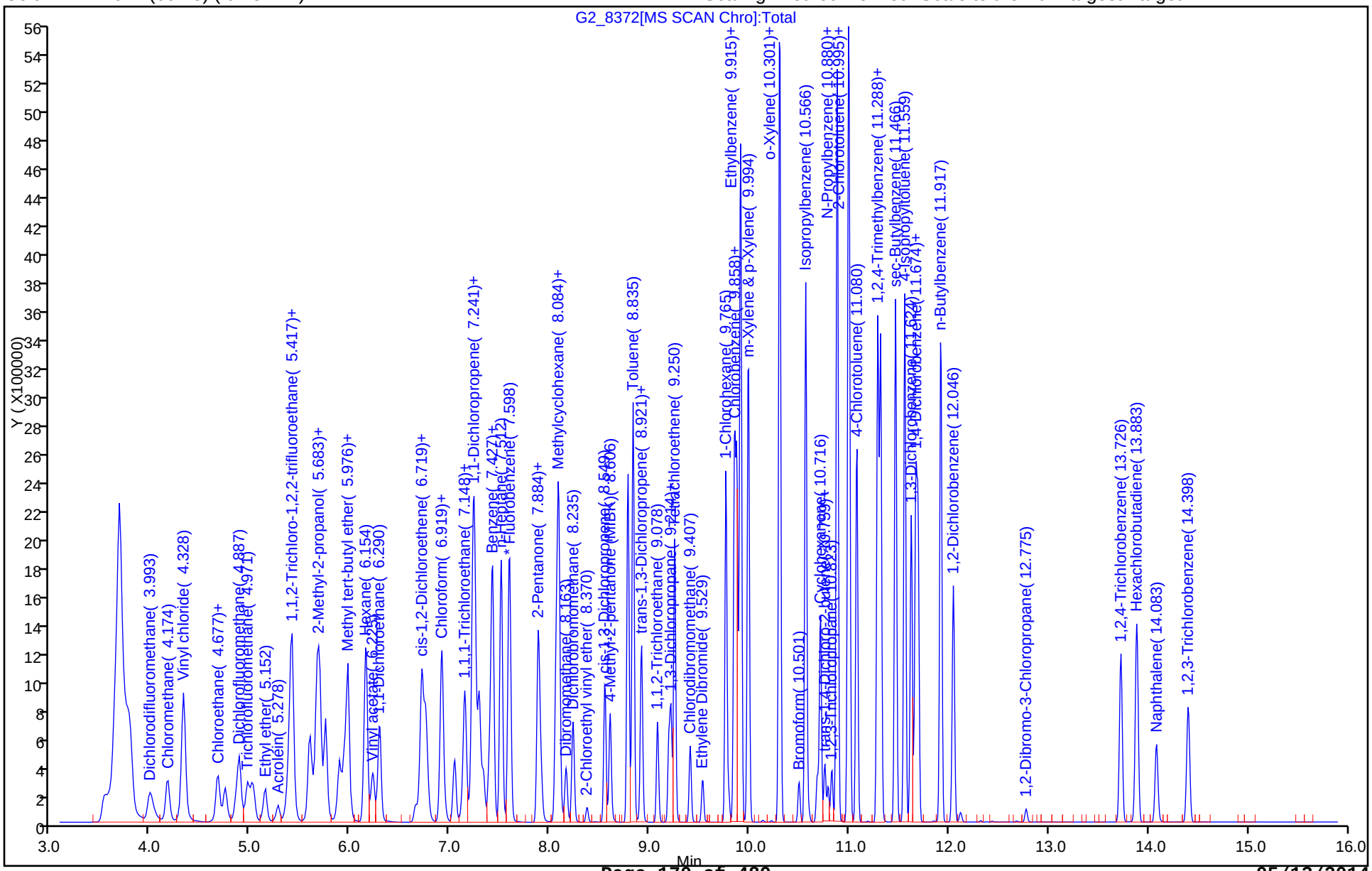
Report Date: 29-Apr-2014 06:27:22 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8372.D

Injection Date:	12-Mar-2014 11:15:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic			Worklist Smp#:	14
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8373.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 12-Mar-2014 11:35:30 ALS Bottle#: 22 Worklist Smp#: 15
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: IC
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub88

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:27:23 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.655	-0.014	0	228396	250.0	250.0	a
* 1 Fluorobenzene	96	7.591	7.598	-0.007	99	1869098	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.851	-0.001	63	409288	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	94	587403	12.5	12.5	
25 Dichlorodifluoromethane	85	3.979	3.993	-0.014	88	1692285	30.0	30.9	
27 Chloromethane	50	4.174	4.174	0.000	88	1612820	30.0	30.6	
28 Vinyl chloride	62	4.314	4.314	0.000	90	1656933	30.0	30.5	
31 Bromomethane	94	4.663	4.677	-0.014	88	1180661	30.0	31.8	
32 Chloroethane	64	4.733	4.747	-0.014	94	1103268	30.0	31.7	
33 Dichlorofluoromethane	67	4.873	4.887	-0.014	75	2724520	30.0	30.9	
35 Trichlorofluoromethane	101	5.012	4.971	0.041	94	2319052	30.0	30.8	
38 Ethyl ether	59	5.138	5.152	-0.014	90	703116	30.0	32.1	
41 Acrolein	56	5.264	5.278	-0.014	94	524937	300.0	327.0	
42 Acetone	43	5.362	5.376	-0.014	100	438028	120.0	118.4	
43 1,1,2-Trichloro-1,2,2-trif	151	5.389	5.404	-0.015	87	1187183	30.0	30.8	
45 1,1-Dichloroethene	96	5.417	5.417	0.000	90	1458895	30.0	31.8	
47 Iodomethane	142	5.585	5.585	0.000	98	2272734	30.0	32.1	
48 Methyl acetate	43	5.599	5.613	-0.014	88	1372843	150.0	152.8	
49 3-Chloro-1-propene	41	5.655	5.669	-0.014	81	2382769	30.0	31.2	
50 Carbon disulfide	76	5.683	5.697	-0.014	99	5904319	30.0	31.0	
51 2-Methyl-2-propanol	59	5.711	5.711	0.000	74	406832	300.0	320.6	
52 Methylene Chloride	84	5.753	5.753	0.000	82	1282431	30.0	32.7	
53 Acrylonitrile	53	5.878	5.892	-0.014	99	1439036	300.0	319.5	
54 Methyl tert-butyl ether	73	5.934	5.948	-0.014	84	2144103	30.0	32.0	
55 trans-1,2-Dichloroethene	96	5.976	5.976	0.000	98	1592584	30.0	31.4	
56 Hexane	57	6.154	6.154	0.000	91	2408529	30.0	29.7	
57 Vinyl acetate	43	6.218	6.225	-0.007	90	2241249	60.0	63.1	
59 1,1-Dichloroethane	63	6.290	6.290	0.000	85	2554252	30.0	30.9	
62 2-Butanone (MEK)	43	6.654	6.654	0.000	99	764832	120.0	126.6	
65 sec-Butyl Alcohol	45	6.697	6.697	0.000	75	836502	900.0	1060.4	
66 cis-1,2-Dichloroethene	96	6.712	6.719	-0.007	68	1479265	30.0	31.7	
67 2,2-Dichloropropane	77	6.754	6.754	0.000	78	2158370	30.0	31.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128	6.905	6.912	-0.007	92	504423	30.0	31.9	
70 Chloroform	83	6.919	6.919	0.000	81	2337771	30.0	30.4	
71 Tetrahydrofuran	42	6.948	6.948	0.000	85	212992	60.0	63.7	
72 Isobutyl alcohol	41	7.105	7.112	-0.007	92	108968	300.0	305.9	
73 1,1,1-Trichloroethane	97	7.148	7.148	0.000	91	2329104	30.0	31.0	
74 Cyclohexane	56	7.226	7.234	-0.008	89	2730993	30.0	30.4	
75 1,1-Dichloropropene	75	7.241	7.248	-0.007	87	2100257	30.0	30.8	
76 Carbon tetrachloride	117	7.291	7.291	0.000	73	2053951	30.0	31.2	
77 1,2-Dichloroethane	62	7.391	7.398	-0.007	92	1187881	30.0	30.2	
79 Benzene	78	7.419	7.427	-0.008	96	5693642	30.0	30.3	
14 n-Heptane	43	7.505	7.512	-0.007	89	2389134	30.0	29.7	
81 Trichloroethene	95	7.884	7.884	0.000	95	1551439	30.0	31.3	
82 2-Pentanone	43	7.906	7.913	-0.007	99	1389092	120.0	138.0	
84 1,2-Dichloropropane	63	8.063	8.063	0.000	93	1241140	30.0	30.7	
85 Methylcyclohexane	55	8.084	8.084	0.000	91	2198798	30.0	30.2	
86 1,4-Dioxane	88	8.113	8.113	0.000	91	74907	600.0	686.5	
87 Dibromomethane	93	8.163	8.163	0.000	88	457541	30.0	31.4	
88 Dichlorobromomethane	83	8.227	8.235	-0.008	94	1530273	30.0	31.9	
90 2-Chloroethyl vinyl ether	63	8.370	8.370	0.000	92	177988	30.0	31.3	
91 cis-1,3-Dichloropropene	75	8.549	8.549	0.000	91	1770141	30.0	32.0	
92 4-Methyl-2-pentanone (MIBK	43	8.599	8.606	-0.007	95	1520219	120.0	130.9	
93 Toluene	91	8.835	8.835	0.000	99	5995337	30.0	30.7	
94 Ethyl methacrylate	69	8.914	8.914	0.000	90	782838	30.0	33.9	
95 trans-1,3-Dichloropropene	75	8.921	8.921	0.000	94	1374668	30.0	32.4	
96 1,1,2-Trichloroethane	97	9.078	9.078	0.000	86	648440	30.0	31.9	
97 2-Hexanone	43	9.193	9.193	0.000	92	1032150	120.0	130.9	
98 1,3-Dichloropropane	76	9.214	9.214	0.000	91	1217924	30.0	31.0	
99 Tetrachloroethene	164	9.250	9.250	0.000	92	1327365	30.0	31.0	
100 Chlorodibromomethane	129	9.407	9.407	0.000	88	846958	30.0	33.3	
102 Ethylene Dibromide	107	9.529	9.536	-0.007	98	610977	30.0	32.1	
103 1-Chlorohexane	91	9.765	9.765	0.000	97	2242678	30.0	31.2	
104 Chlorobenzene	112	9.872	9.879	-0.007	92	3693000	30.0	30.2	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	92	1182423	30.0	32.2	
106 Ethylbenzene	106	9.915	9.915	0.000	98	2336541	30.0	31.6	
107 m-Xylene & p-Xylene	106	9.994	9.994	0.000	100	2832770	30.0	31.4	
109 Styrene	104	10.301	10.301	0.000	87	3822697	30.0	32.3	
108 o-Xylene	106	10.308	10.308	0.000	88	2545548	30.0	31.5	
110 Bromoform	173	10.501	10.501	0.000	97	416923	30.0	34.7	
111 Isopropylbenzene	105	10.566	10.566	0.000	96	7009258	30.0	30.6	
113 Cyclohexanone	55	10.680	10.680	0.000	86	424918	1200.0	1290.4	
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	65	624994	30.0	31.4	
115 trans-1,4-Dichloro-2-buten	53	10.787	10.787	0.000	83	162998	30.0	33.2	
116 1,2,3-Trichloropropane	110	10.830	10.830	0.000	76	178231	30.0	31.8	
117 Bromobenzene	156	10.880	10.880	0.000	97	1391062	30.0	32.0	
118 N-Propylbenzene	120	10.880	10.880	0.000	95	2072049	30.0	31.7	
119 1,3,5-Trimethylbenzene	105	10.995	10.995	0.000	93	5720763	30.0	31.3	
120 2-Chlorotoluene	126	11.002	11.002	0.000	94	1589386	30.0	31.4	
121 4-Chlorotoluene	126	11.080	11.080	0.000	98	1590240	30.0	31.4	
122 tert-Butylbenzene	119	11.288	11.288	0.000	88	5868578	30.0	31.2	
123 1,2,4-Trimethylbenzene	105	11.316	11.316	0.000	97	5569122	30.0	31.2	
124 sec-Butylbenzene	134	11.466	11.466	0.000	95	1635102	30.0	31.8	
125 4-Isopropyltoluene	119	11.559	11.559	0.000	94	6475054	30.0	31.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146	11.624	11.624	0.000	97	2793165	30.0	31.0	
127 1,4-Dichlorobenzene	146	11.688	11.695	-0.007	93	2674123	30.0	30.1	
129 n-Butylbenzene	91	11.917	11.917	0.000	94	5938857	30.0	30.8	
130 1,2-Dichlorobenzene	146	12.046	12.046	0.000	96	2241488	30.0	31.4	
131 1,2-Dibromo-3-Chloropropan	157	12.775	12.775	0.000	78	97569	30.0	32.9	
132 1,2,4-Trichlorobenzene	180	13.726	13.726	0.000	90	1528112	30.0	32.6	
133 Hexachlorobutadiene	225	13.883	13.883	0.000	95	1185147	30.0	31.3	
134 Naphthalene	128	14.083	14.083	0.000	97	1853188	30.0	34.3	
135 1,2,3-Trichlorobenzene	180	14.398	14.398	0.000	93	1127341	30.0	32.5	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		60.0	63.1	
S 136 Trihalomethanes, Total	1				0		120.0	130.2	
S 137 Xylenes, Total (URS)	1				0		60.0	62.9	
S 138 Total BTEX	1				0			155.5	
S 139 1,3-Dichloropropene, Total	1				0		60.0	64.5	
S 140 1,2-Dichloroethene, Total	1				0		60.0	63.1	
S 141 Xylenes, Total	106				0		60.0	62.9	

QC Flag Legend

Review Flags
a - User Assigned ID

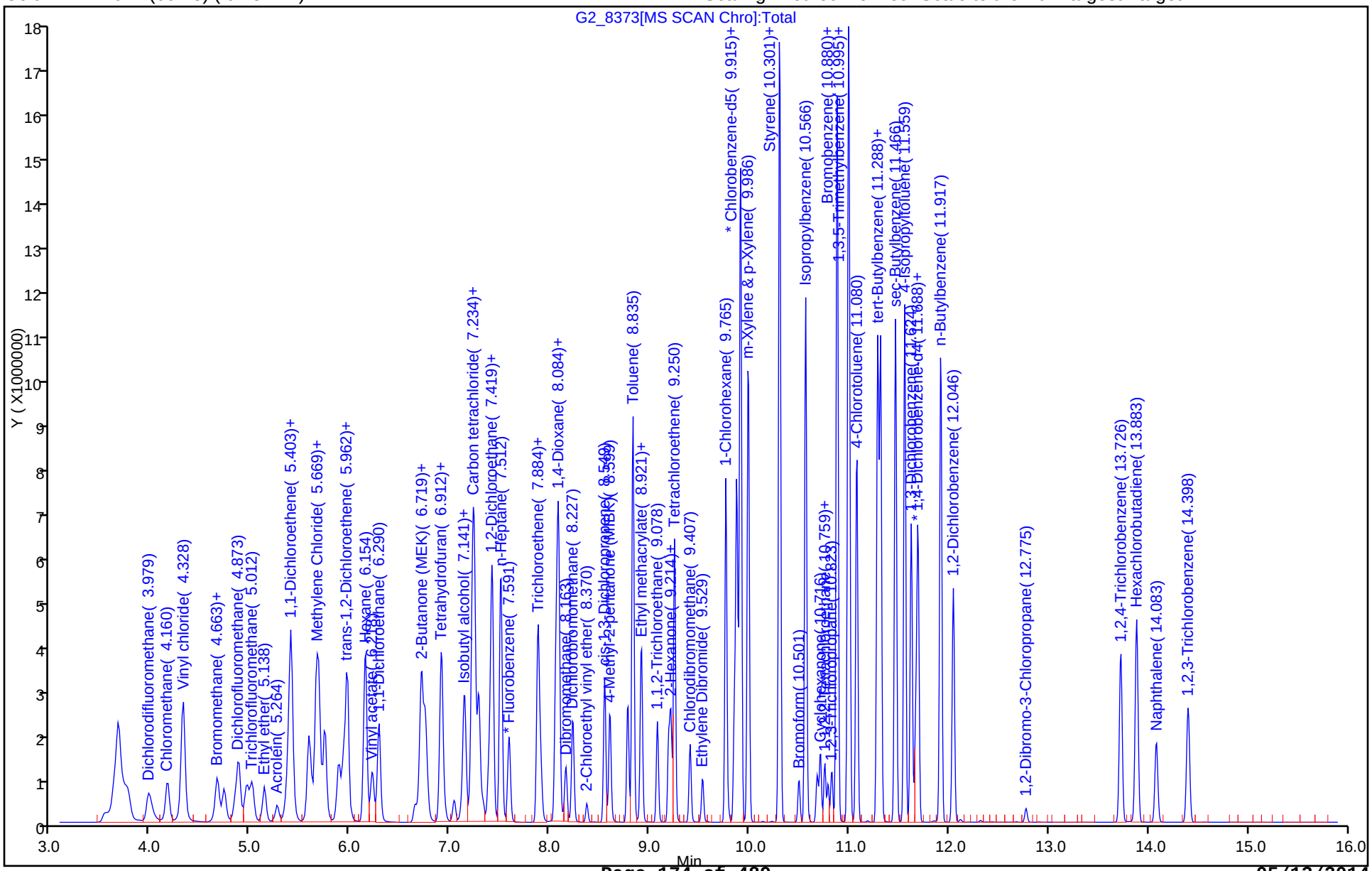
Report Date: 29-Apr-2014 06:27:24 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8373.D

Injection Date:	12-Mar-2014 11:35:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic			Worklist Smp#:	15
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

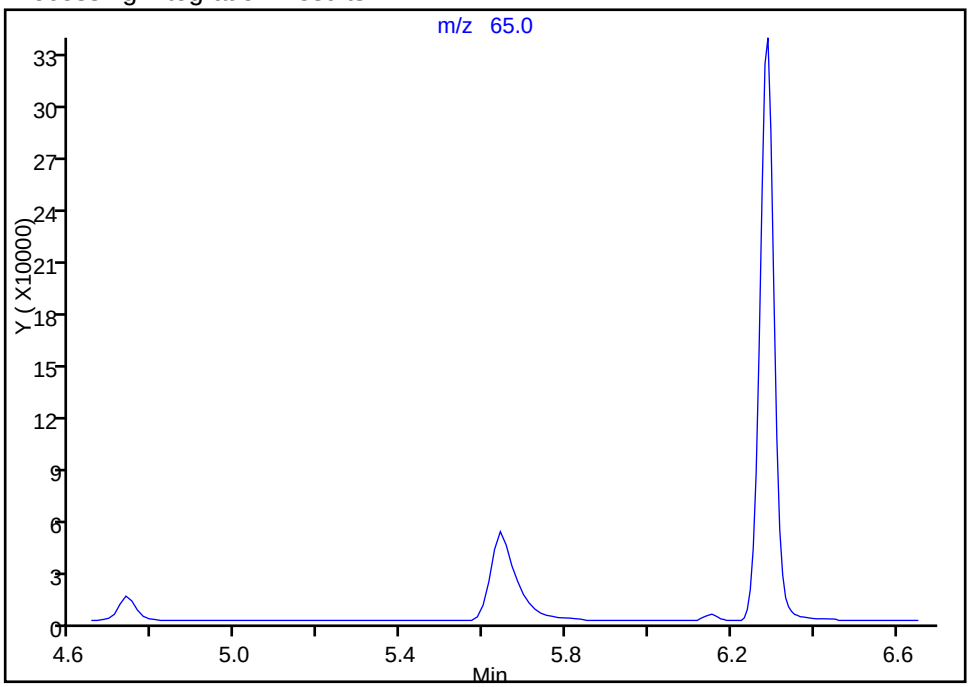
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8373.D
Injection Date: 12-Mar-2014 11:35:30 Instrument ID: VMS_G2
Lims ID: ic
Client ID:
Operator ID: ILCZYSZYND ALS Bottle#: 22 Worklist Smp#: 15
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSG2_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (60.25) (0.25 mm) Detector MS SCAN

* 150 TBA-d9 (IS), CAS: 25725-11-5

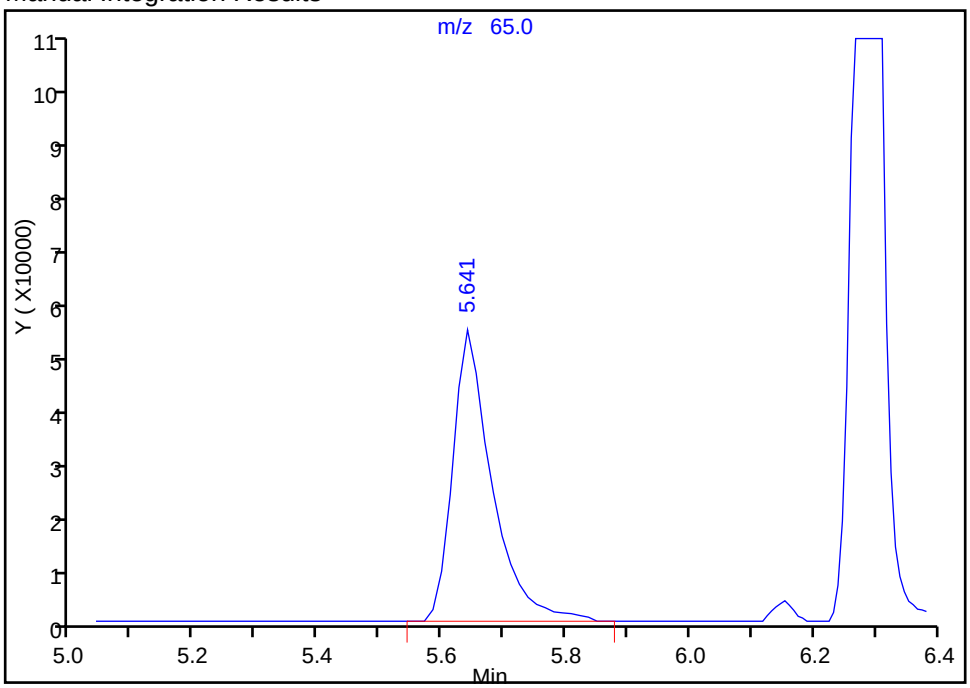
Not Detected
Expected RT: 5.65

Processing Integration Results



Manual Integration Results

RT: 5.64
Response: 228396
Amount: 250.0000



Reviewer: ilczyszynd, 12-Mar-2014 12:06:18
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 12-Mar-2014 11:56:30 ALS Bottle#: 23 Worklist Smp#: 16
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: IC
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub88

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:27:25 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.655	-0.014	0	275870	250.0	250.0	a
* 1 Fluorobenzene	96	7.591	7.598	-0.007	99	2200731	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.851	-0.001	47	482494	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	92	692952	12.5	12.5	
25 Dichlorodifluoromethane	85	3.993	3.993	0.000	89	3639451	60.0	56.4	
27 Chloromethane	50	4.188	4.174	0.014	88	3367932	60.0	54.3	
28 Vinyl chloride	62	4.328	4.314	0.014	98	3390882	60.0	53.0	
31 Bromomethane	94	4.677	4.677	0.000	88	2351063	60.0	53.8	
32 Chloroethane	64	4.733	4.747	-0.014	94	2256707	60.0	55.1	
33 Dichlorofluoromethane	67	4.887	4.887	0.000	75	5684916	60.0	54.7	
35 Trichlorofluoromethane	101	5.012	4.971	0.041	87	4824582	60.0	54.4	
38 Ethyl ether	59	5.138	5.152	-0.014	89	1456273	60.0	56.4	
41 Acrolein	56	5.278	5.278	0.000	91	1118697	600.0	591.8	
42 Acetone	43	5.375	5.376	-0.001	100	890615	240.0	204.4	
43 1,1,2-Trichloro-1,2,2-trif	151	5.403	5.404	-0.001	87	2553032	60.0	56.2	
45 1,1-Dichloroethene	96	5.417	5.417	0.000	90	3026458	60.0	56.0	
47 Iodomethane	142	5.585	5.585	0.000	98	4691214	60.0	56.3	
48 Methyl acetate	43	5.599	5.613	-0.014	90	2964063	300.0	280.1	
49 3-Chloro-1-propene	41	5.669	5.669	0.000	80	4737420	60.0	52.6	
50 Carbon disulfide	76	5.683	5.697	-0.014	98	11897301	60.0	53.1	
51 2-Methyl-2-propanol	59	5.711	5.711	0.000	34	837622	600.0	553.3	
52 Methylene Chloride	84	5.753	5.753	0.000	81	2578991	60.0	56.7	
53 Acrylonitrile	53	5.892	5.892	0.000	99	2973636	600.0	560.8	
54 Methyl tert-butyl ether	73	5.934	5.948	-0.014	84	4386817	60.0	55.6	
55 trans-1,2-Dichloroethene	96	5.976	5.976	0.000	96	3286370	60.0	55.0	
56 Hexane	57	6.154	6.154	0.000	91	5108006	60.0	53.5	
57 Vinyl acetate	43	6.225	6.225	0.000	89	4794502	120.0	114.6	
59 1,1-Dichloroethane	63	6.290	6.290	0.000	85	5180051	60.0	53.2	
62 2-Butanone (MEK)	43	6.654	6.654	0.000	99	1584755	240.0	222.7	
65 sec-Butyl Alcohol	45	6.697	6.697	0.000	84	1742389	1800.0	1875.8	
66 cis-1,2-Dichloroethene	96	6.719	6.719	0.000	65	3071378	60.0	55.9	
67 2,2-Dichloropropane	77	6.754	6.754	0.000	80	4384626	60.0	53.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128	6.912	6.912	0.000	90	1056027	60.0	56.8	
70 Chloroform	83	6.919	6.919	0.000	81	4772030	60.0	52.8	
71 Tetrahydrofuran	42	6.947	6.948	-0.001	83	443762	120.0	112.8	
72 Isobutyl alcohol	41	7.112	7.112	0.000	93	233460	600.0	605.4	
73 1,1,1-Trichloroethane	97	7.148	7.148	0.000	92	4775151	60.0	53.9	
74 Cyclohexane	56	7.226	7.234	-0.008	94	5598859	60.0	53.0	
75 1,1-Dichloropropene	75	7.248	7.248	0.000	88	4309544	60.0	53.6	
76 Carbon tetrachloride	117	7.291	7.291	0.000	74	4225190	60.0	54.5	
77 1,2-Dichloroethane	62	7.391	7.398	-0.007	91	2442554	60.0	52.7	
79 Benzene	78	7.427	7.427	0.000	97	11431899	60.0	51.7	
14 n-Heptane	43	7.512	7.512	0.000	88	4993062	60.0	52.6	
81 Trichloroethene	95	7.884	7.884	0.000	95	3258308	60.0	55.8	
82 2-Pentanone	43	7.913	7.913	0.000	98	2511529	240.0	211.9	
84 1,2-Dichloropropane	63	8.063	8.063	0.000	93	2540728	60.0	53.4	
85 Methylcyclohexane	55	8.092	8.084	0.008	91	4534998	60.0	52.9	
86 1,4-Dioxane	88	8.113	8.113	0.000	91	151508	1200.0	1179.4	
87 Dibromomethane	93	8.163	8.163	0.000	86	960256	60.0	56.0	
88 Dichlorobromomethane	83	8.235	8.235	-0.001	94	3173180	60.0	56.1	
90 2-Chloroethyl vinyl ether	63	8.370	8.370	0.000	91	410995	60.0	60.8	
91 cis-1,3-Dichloropropene	75	8.549	8.549	0.000	92	3648521	60.0	56.0	
92 4-Methyl-2-pentanone (MIBK	43	8.606	8.606	0.000	94	3175988	240.0	232.3	
93 Toluene	91	8.835	8.835	0.000	98	11713187	60.0	51.0	
94 Ethyl methacrylate	69	8.914	8.914	0.000	89	1650515	60.0	60.6	
95 trans-1,3-Dichloropropene	75	8.921	8.921	0.000	93	2827282	60.0	56.7	
96 1,1,2-Trichloroethane	97	9.078	9.078	0.000	86	1355301	60.0	56.6	
97 2-Hexanone	43	9.193	9.193	0.000	94	2156790	240.0	231.9	
98 1,3-Dichloropropane	76	9.214	9.214	0.000	91	2519769	60.0	54.4	
99 Tetrachloroethene	164	9.250	9.250	0.000	92	2791956	60.0	55.3	
100 Chlorodibromomethane	129	9.407	9.407	0.000	88	1781355	60.0	59.4	
102 Ethylene Dibromide	107	9.536	9.536	0.000	99	1279152	60.0	57.1	
103 1-Chlorohexane	91	9.765	9.765	0.000	96	4691683	60.0	55.4	
104 Chlorobenzene	112	9.879	9.879	0.000	90	7408472	60.0	51.4	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	91	2444744	60.0	56.4	
106 Ethylbenzene	106	9.915	9.915	0.000	97	4712433	60.0	54.0	
107 m-Xylene & p-Xylene	106	9.993	9.994	-0.001	98	5753948	60.0	54.1	
109 Styrene	104	10.301	10.301	0.000	86	7463722	60.0	53.4	
108 o-Xylene	106	10.308	10.308	0.000	86	5000579	60.0	52.5	
110 Bromoform	173	10.501	10.501	0.000	97	894481	60.0	63.1	
111 Isopropylbenzene	105	10.565	10.566	-0.001	97	13316398	60.0	49.3	
113 Cyclohexanone	55	10.680	10.680	0.000	86	901033	2400.0	2306.1	
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	77	1312509	60.0	55.9	
115 trans-1,4-Dichloro-2-buten	53	10.787	10.787	0.000	85	346285	60.0	59.8	
116 1,2,3-Trichloropropane	110	10.830	10.830	0.000	82	368332	60.0	55.8	
117 Bromobenzene	156	10.880	10.880	0.000	95	2874849	60.0	56.0	
118 N-Propylbenzene	120	10.887	10.880	0.007	93	4234397	60.0	54.9	
119 1,3,5-Trimethylbenzene	105	10.995	10.995	-0.001	93	10947686	60.0	50.7	
120 2-Chlorotoluene	126	11.002	11.002	0.000	94	3214956	60.0	53.9	
121 4-Chlorotoluene	126	11.080	11.080	0.000	97	3300156	60.0	55.3	
122 tert-Butylbenzene	119	11.288	11.288	0.000	87	11619883	60.0	52.3	
123 1,2,4-Trimethylbenzene	105	11.316	11.316	0.000	97	10917550	60.0	51.9	
124 sec-Butylbenzene	134	11.466	11.466	0.000	95	3397608	60.0	56.0	
125 4-Isopropyltoluene	119	11.559	11.559	0.000	92	12388438	60.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146	11.624	11.624	0.000	96	5746923	60.0	54.0	
127 1,4-Dichlorobenzene	146	11.695	11.695	0.000	94	5515465	60.0	52.6	
129 n-Butylbenzene	91	11.917	11.917	0.000	93	11537273	60.0	50.7	
130 1,2-Dichlorobenzene	146	12.046	12.046	0.000	96	4619506	60.0	54.9	
131 1,2-Dibromo-3-Chloropropan	157	12.775	12.775	0.000	84	209767	60.0	59.6	
132 1,2,4-Trichlorobenzene	180	13.726	13.726	0.000	93	3144228	60.0	56.9	
133 Hexachlorobutadiene	225	13.883	13.883	0.000	95	2484013	60.0	55.7	
134 Naphthalene	128	14.083	14.083	0.000	97	3787425	60.0	59.5	
135 1,2,3-Trichlorobenzene	180	14.398	14.398	0.000	93	2304229	60.0	56.4	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		120.0	110.9	
S 136 Trihalomethanes, Total	1				0		240.0	231.3	
S 137 Xylenes, Total (URS)	1				0		120.0	106.6	
S 138 Total BTEX	1				0			263.2	
S 139 1,3-Dichloropropene, Total	1				0		120.0	112.7	
S 140 1,2-Dichloroethene, Total	1				0		120.0	110.9	
S 141 Xylenes, Total	106				0		120.0	106.6	

QC Flag Legend

Review Flags
a - User Assigned ID

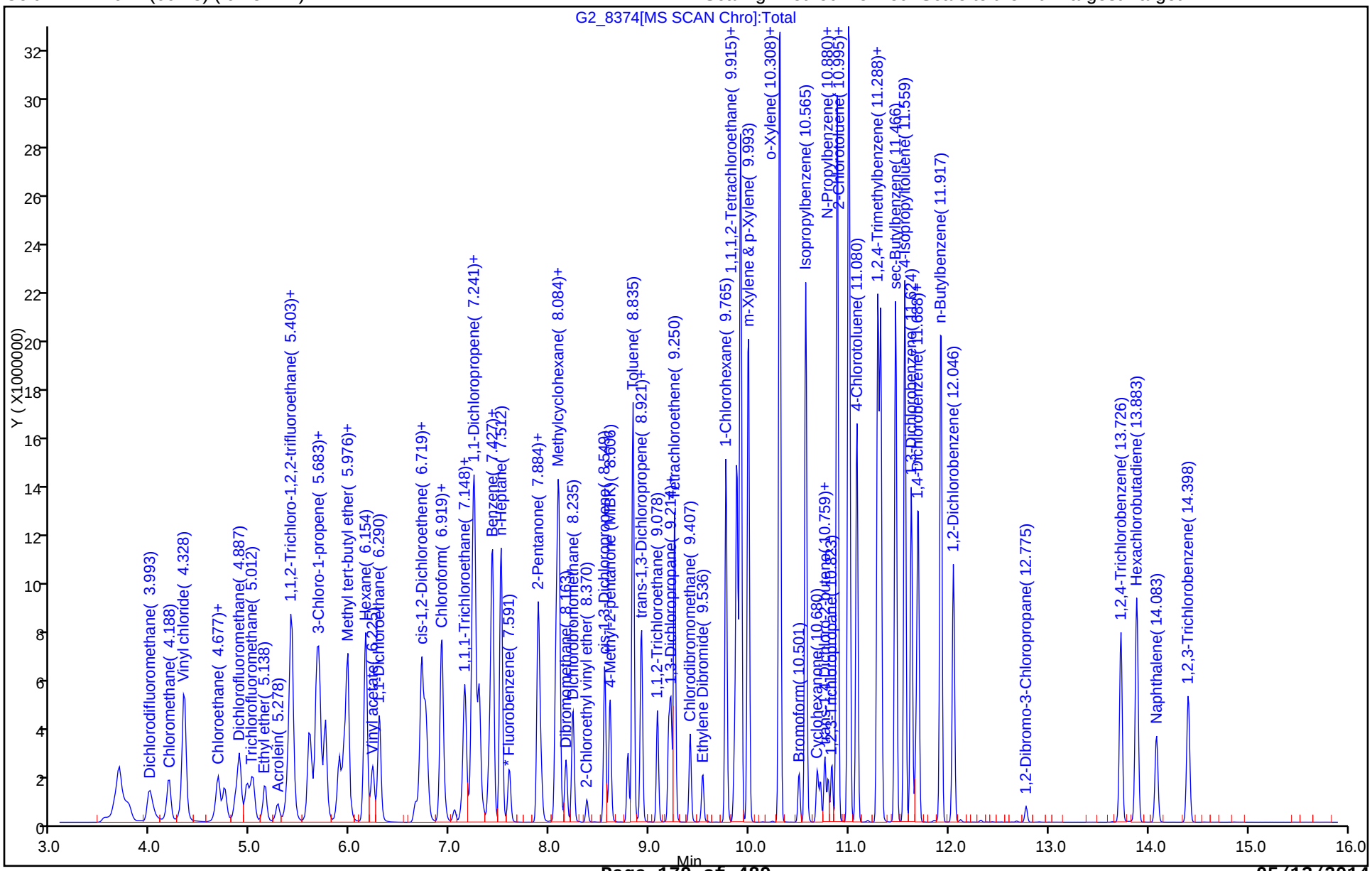
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Injection Date:	12-Mar-2014 11:56:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	ic			Worklist Smp#:	16
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

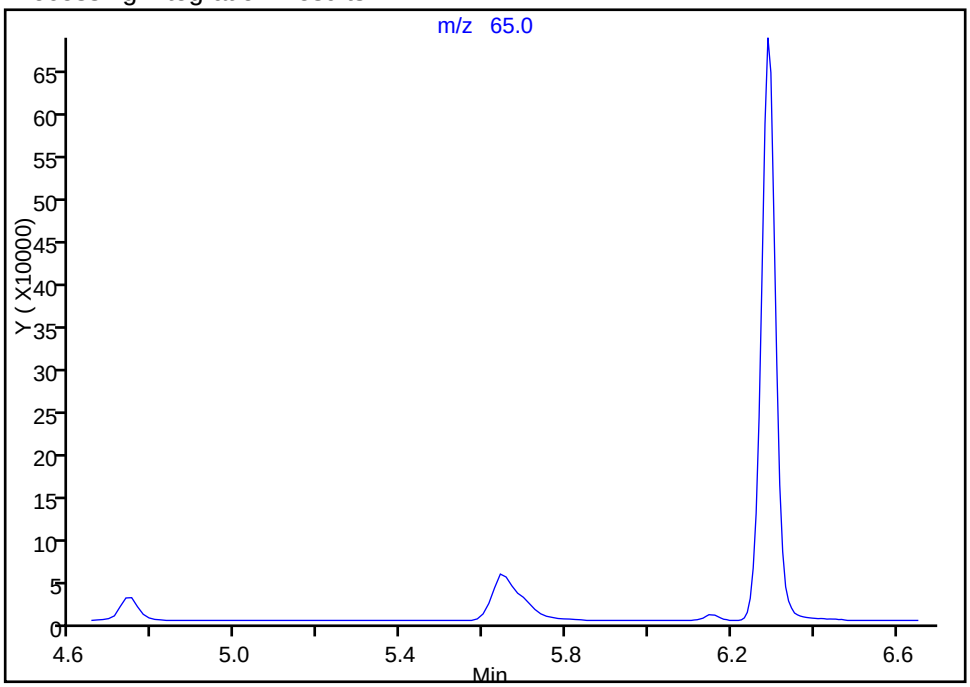
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D				
Injection Date:	12-Mar-2014 11:56:30	Instrument ID:	VMS_G2		
Lims ID:	ic				
Client ID:					
Operator ID:	ILCZYSZYND	ALS Bottle#:	23	Worklist Smp#:	16
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		
Column:	DB-624 (60.25) (0.25 mm)	Detector	MS SCAN		

* 150 TBA-d9 (IS), CAS: 25725-11-5

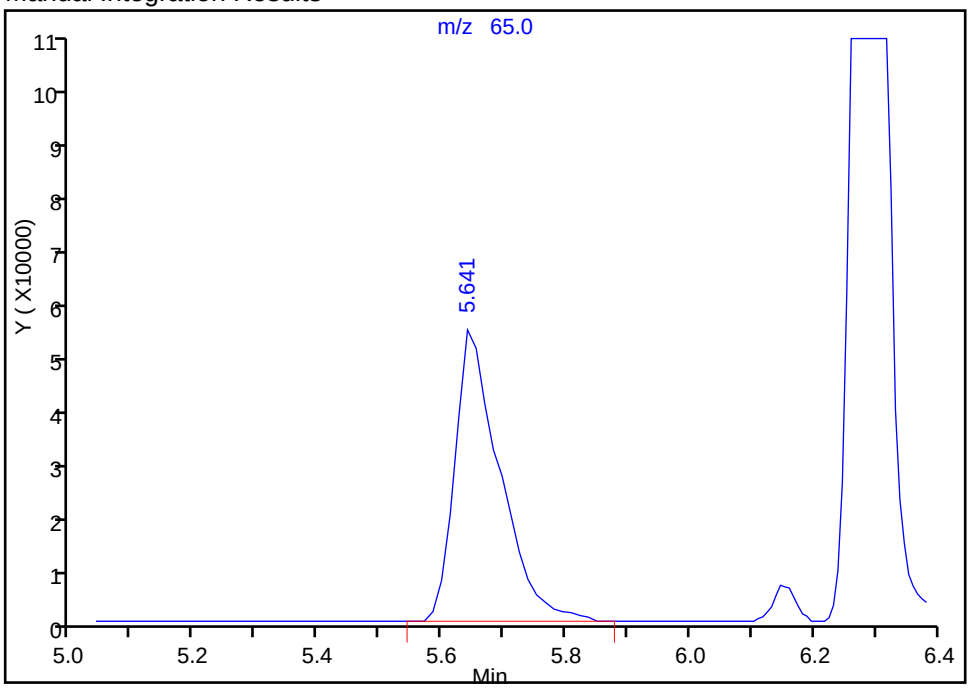
Not Detected
Expected RT: 5.65

Processing Integration Results



Manual Integration Results

RT: 5.64
Response: 275870
Amount: 250.0000



Reviewer: ilczyszynd, 12-Mar-2014 12:27:25
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216803

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 08:21 Calibration End Date: 03/14/2014 09:42 Calibration ID: 17443

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-216803/8	G2_8474.D
Level 2	IC 280-216803/9	G2_8475.D
Level 3	IC 280-216803/10	G2_8476.D
Level 4	IC 280-216803/11	G2_8477.D
Level 5	IC 280-216803/12	G2_8478.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dibromofluoromethane (Surr)	0.2473	0.2793	0.2447	0.2564	0.2819	Ave		0.2649				6.6		15.0			
1,2-Dichloroethane-d4 (Surr)	0.2182	0.2521	0.2146	0.2210	0.2427	Ave		0.2314				6.7		15.0			
Toluene-d8 (Surr)	5.3669	6.0123	5.0652	5.0003	5.2195	Ave		5.6499				15.0		15.0			
4-Bromofluorobenzene (Surr)	1.1645	1.2687	1.1131	1.1166	1.2303	Ave		1.2477				14.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 216803

SDG No.:

Instrument ID: VMS_G2 GC Column: DB-624 (60.2 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 03/14/2014 08:21 Calibration End Date: 03/14/2014 09:42 Calibration ID: 17443

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 280-216803/8	G2_8474.D
Level 2	IC 280-216803/9	G2_8475.D
Level 3	IC 280-216803/10	G2_8476.D
Level 4	IC 280-216803/11	G2_8477.D
Level 5	IC 280-216803/12	G2_8478.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	75567	181737	367870	1117883	2129499	2.00	5.00	10.0	30.0	60.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	66693	164076	322612	963611	1833111	2.00	5.00	10.0	30.0	60.0
Toluene-d8 (Surr)	CBZ	Ave	361438	861722	1692113	4880893	8818325	2.00	5.00	10.0	30.0	60.0
4-Bromofluorobenzene (Surr)	DCB	Ave	110065	261059	520009	1551366	2964074	2.00	5.00	10.0	30.0	60.0

Curve Type Legend:
Ave = Average ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8474.D				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	3		
Inject. Date:	14-Mar-2014 08:21:30	ALS Bottle#:	13	Worklist Smp#:	8
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Sample Info:	ic				
Operator ID:	ilczyszynd	Instrument ID:	VMS_G2		
Sublist:	chrom-AQ_VMSG2_8260*sub104				
Method:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\AQ_VMSG2_8260.m				
Limit Group:	MSV - 8260B Water and Solid				
Last Update:	29-Apr-2014 06:55:59	Calib Date:	14-Mar-2014 08:41:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8475.D				
Column 1 :	DB-624 (60.25) (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK025				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	225714	250.0	250.0	
* 1 Fluorobenzene	96	7.591	7.598	-0.007	99	1909882	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.851	-0.001	86	420911	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.674	11.667	0.007	95	590717	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.048	7.048	0.000	53	75567	2.00	1.97	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.334	7.334	0.000	98	66693	2.00	2.06	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.000	92	361438	2.00	1.87	
$ 8 4-Bromofluorobenzene (Surr	95	10.716	10.716	0.000	87	110065	2.00	1.81	

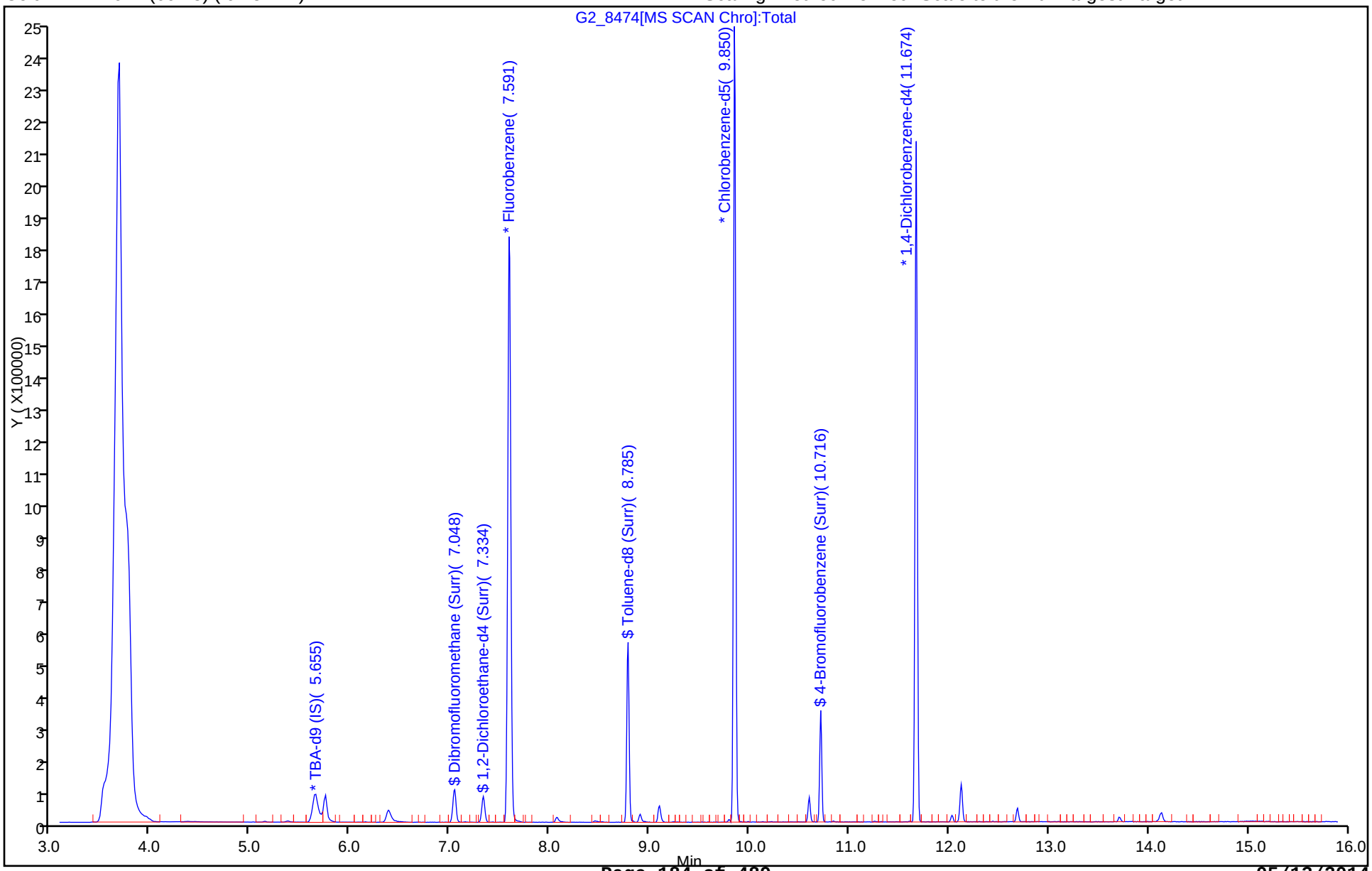
Report Date: 29-Apr-2014 06:55:59 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8474.D

Injection Date:	14-Mar-2014 08:21:30	Instrument ID:	VMS_G2	Operator ID:	ilczyszynd
Lims ID:	ic			Worklist Smp#:	8
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8475.D				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	4		
Inject. Date:	14-Mar-2014 08:41:30	ALS Bottle#:	14	Worklist Smp#:	9
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Sample Info:	ic				
Operator ID:	ilczyszynd	Instrument ID:	VMS_G2		
Sublist:	chrom-AQ_VMSG2_8260*sub104				
Method:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\AQ_VMSG2_8260.m				
Limit Group:	MSV - 8260B Water and Solid				
Last Update:	29-Apr-2014 07:01:04	Calib Date:	14-Mar-2014 09:42:30		
Integrator:	RTE	ID Type:	RT Order ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D				
Column 1 :	DB-624 (60.25) (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK025				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.655	-0.014	0	192837	250.0	250.0	
* 1 Fluorobenzene	96	7.591	7.591	0.000	99	1626778	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.000	85	358315	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	95	514431	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.040	7.047	-0.007	56	181737	5.00	5.27	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.334	7.334	0.000	96	164076	5.00	5.45	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.000	93	861722	5.00	5.32	
$ 8 4-Bromofluorobenzene (Surr	95	10.716	10.716	0.000	90	261059	5.00	5.08	

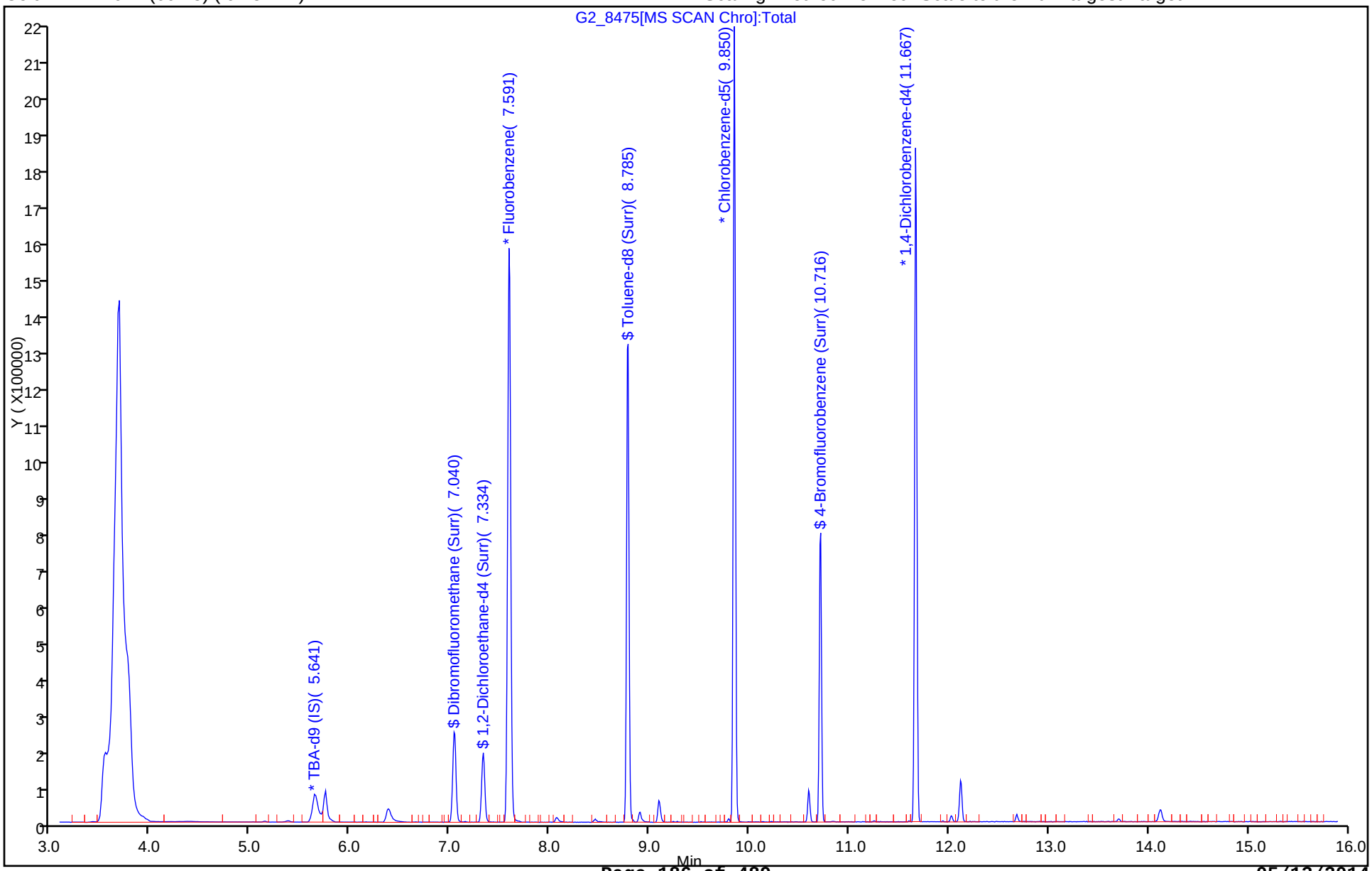
Report Date: 29-Apr-2014 07:01:05 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8475.D

Injection Date:	14-Mar-2014 08:41:30	Instrument ID:	VMS_G2	Operator ID:	ilczyszynd
Lims ID:	ic			Worklist Smp#:	9
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8476.D
Lims ID: ic
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Mar-2014 09:01:30 ALS Bottle#: 15 Worklist Smp#: 10
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ilczyszynd Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub104

Method: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:56:00 Calib Date: 14-Mar-2014 09:01:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8476.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	228730	250.0	250.0	
* 1 Fluorobenzene	96	7.591	7.591	0.000	99	1878985	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.000	85	417585	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	95	583952	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.047	7.047	0.000	58	367870	10.0	9.58	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.334	7.334	0.000	97	322612	10.0	9.82	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.000	93	1692113	10.0	8.88	
$ 8 4-Bromofluorobenzene (Surr	95	10.716	10.716	0.000	90	520009	10.0	8.71	

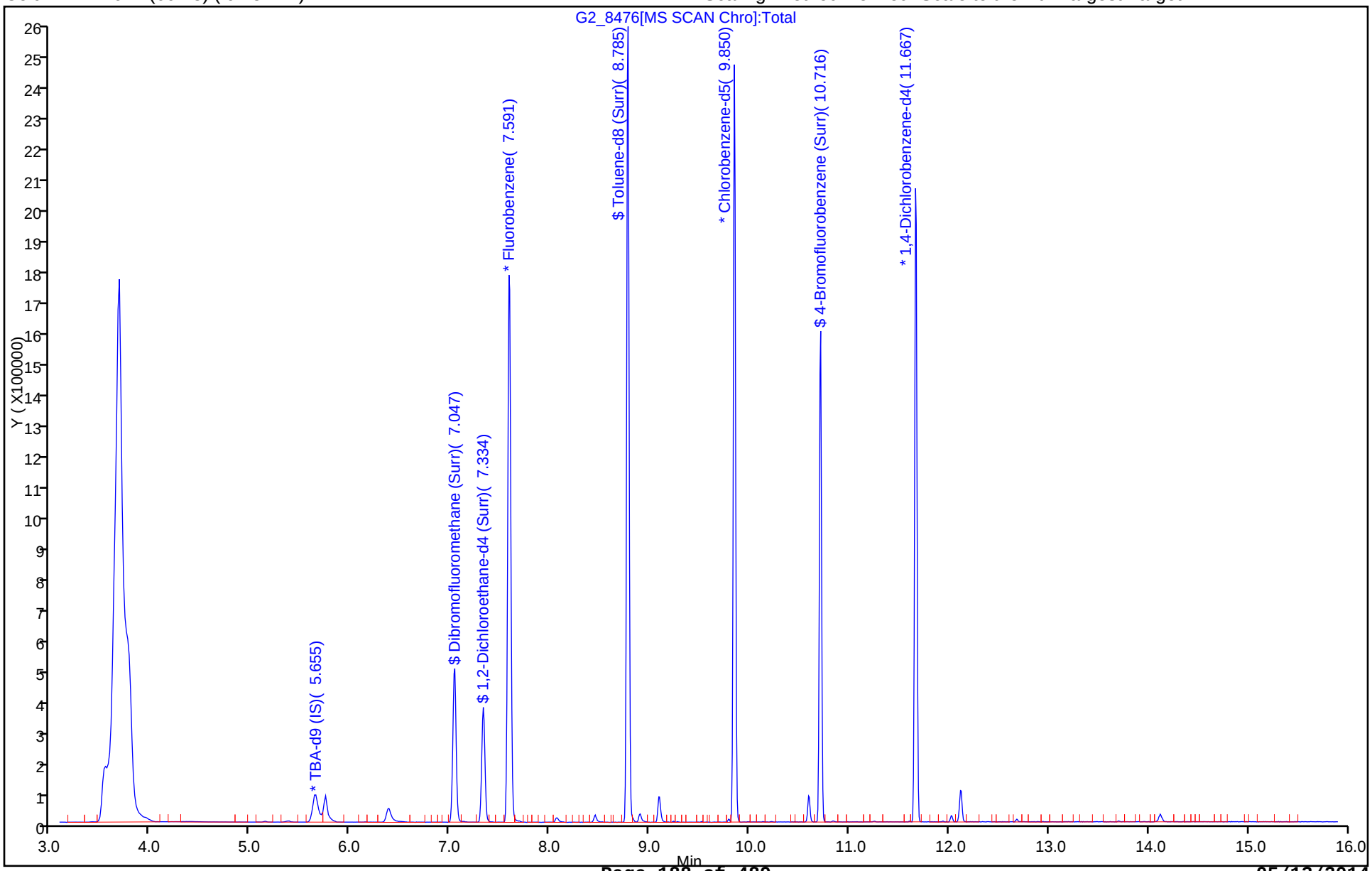
Report Date: 29-Apr-2014 06:56:01 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8476.D

Injection Date:	14-Mar-2014 09:01:30	Instrument ID:	VMS_G2	Operator ID:	ilczyszynd
Lims ID:	ic			Worklist Smp#:	10
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8477.D				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	6		
Inject. Date:	14-Mar-2014 09:21:30	ALS Bottle#:	16	Worklist Smp#:	11
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Sample Info:	ic				
Operator ID:	ilczyszynd	Instrument ID:	VMS_G2		
Sublist:	chrom-AQ_VMSG2_8260*sub104				
Method:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\AQ_VMSG2_8260.m				
Limit Group:	MSV - 8260B Water and Solid				
Last Update:	29-Apr-2014 06:56:01	Calib Date:	14-Mar-2014 09:21:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8477.D				
Column 1 :	DB-624 (60.25) (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK025				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	225015	250.0	250.0	
* 1 Fluorobenzene	96	7.598	7.591	0.007	99	1816424	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.000	85	406719	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	95	578884	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.048	7.047	0.001	59	1117883	30.0	29.7	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.334	7.334	0.000	97	963611	30.0	29.7	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.000	93	4880893	30.0	26.6	
$ 8 4-Bromofluorobenzene (Surr	95	10.716	10.716	0.000	90	1551366	30.0	26.7	

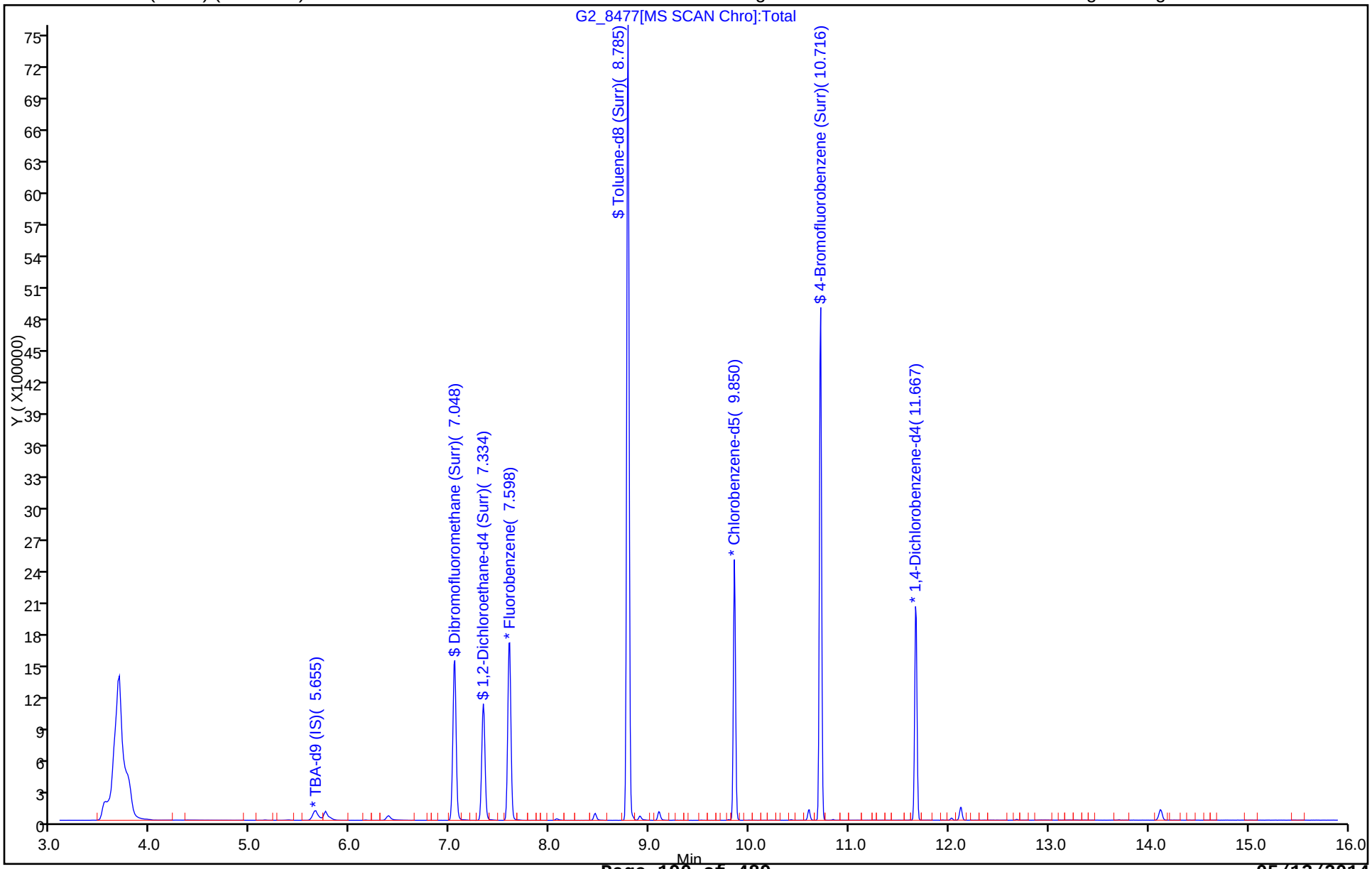
Report Date: 29-Apr-2014 06:56:02 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8477.D

Injection Date:	14-Mar-2014 09:21:30	Instrument ID:	VMS_G2	Operator ID:	ilczyszynd
Lims ID:	ic			Worklist Smp#:	11
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D				
Lims ID:	ic				
Client ID:					
Sample Type:	IC	Calib Level:	7		
Inject. Date:	14-Mar-2014 09:42:30	ALS Bottle#:	17	Worklist Smp#:	12
Purge Vol:	20.000 mL	Dil. Factor:	1.0000		
Sample Info:	ic				
Operator ID:	ilczyszynd	Instrument ID:	VMS_G2		
Sublist:	chrom-AQ_VMSG2_8260*sub104				
Method:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\AQ_VMSG2_8260.m				
Limit Group:	MSV - 8260B Water and Solid				
Last Update:	29-Apr-2014 06:56:03	Calib Date:	14-Mar-2014 09:42:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D				
Column 1 :	DB-624 (60.25) (0.25 mm)		Det: MS SCAN		
Process Host:	XAWRK025				

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.655	-0.014	0	204665	250.0	250.0	
* 1 Fluorobenzene	96	7.598	7.591	0.007	99	1573800	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.000	87	351979	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	95	501942	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.048	7.047	0.001	64	2129499	60.0	63.8	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.334	7.334	0.000	96	1833111	60.0	62.9	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.000	93	8818325	60.0	55.4	
$ 8 4-Bromofluorobenzene (Surr	95	10.716	10.716	0.000	91	2964074	60.0	59.2	

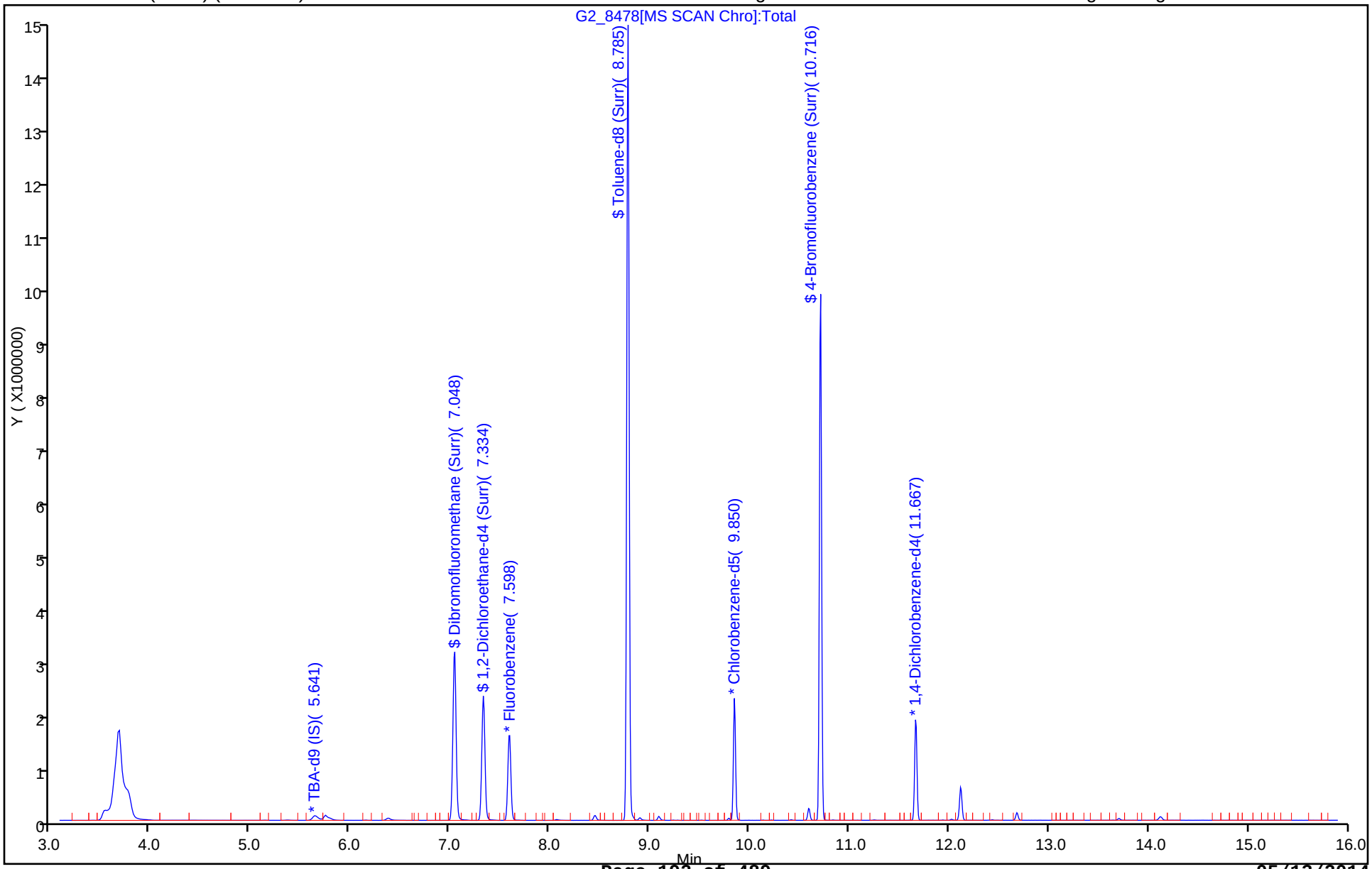
Report Date: 29-Apr-2014 06:56:03 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Injection Date:	14-Mar-2014 09:42:30	Instrument ID:	VMS_G2	Operator ID:	ilczyszynd
Lims ID:	ic			Worklist Smp#:	12
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD001 280-221523/2	J1275.D
Level 2	STD002 280-221523/3	J1276.D
Level 3	STD005 280-221523/4	J1277.D
Level 4	STD010 280-221523/5	J1278.D
Level 5	STD020 280-221523/6	J1279.D
Level 6	STD050 280-221523/7	J1280.D
Level 7	STD100 280-221523/8	J1281.D
Level 8	STD200 280-221523/9	J1282.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	0.3412	0.3193	0.2275 0.3140	0.2544	0.2350	Lin1	-0.622	0.3218							0.9960		0.9900
Chloromethane	0.3205 0.3210	0.2858 0.3014	0.2633 0.3102	0.2830	0.2703	Ave		0.2944			0.1000	7.5		15.0			
Vinyl chloride	0.2728 0.2603	0.2830 0.2292	0.2443 +++++	0.2486	0.2253	Ave		0.2519				8.5		30.0			
Bromomethane	0.1513	0.1547 0.1262	0.1523 +++++	0.1560	0.1326	Ave		0.1455				8.8		15.0			
Chloroethane	0.1264	0.1649 0.1106	0.1427 +++++	0.1356	0.1101	Lin2	0.1022	0.1167							0.9920		0.9900
Dichlorofluoromethane	0.4001 0.4041	0.3704 0.3652	0.3688 0.3166	0.3864	0.3608	Ave		0.3716				7.4		15.0			
Trichlorofluoromethane	0.3384 0.3112	0.2788 0.2950	0.2744 0.2848	0.2824	0.2657	Ave		0.2913				8.0		15.0			
Ethyl ether	0.3333 0.2728	0.2666 0.2543	0.2658 0.2380	0.2453	0.2469	Ave		0.2654				11.0		15.0			
Acrolein	0.0336 0.0389	0.0303 0.0365	0.0349 0.0327	0.0346	0.0369	Ave		0.0348				7.7		15.0			
Acetone	0.1212 0.0777	0.1001 0.0712	0.0690 0.0612	0.0720	0.0697	Lin1	0.2456	0.0658							0.9910		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	0.2205 0.2464	0.2100 0.2307	0.2201 0.2221	0.2306	0.2214	Ave		0.2252				4.8		15.0			
1,1-Dichloroethene	0.2984 0.2830	0.2369 0.2616	0.2505 0.2473	0.2626	0.2574	Ave		0.2622				7.6		30.0			
Iodomethane	0.5742 0.6543	0.5325 0.6187	0.5722 0.5998	0.5968	0.5865	Ave		0.5919				6.0		15.0			
Methyl acetate	0.2342 0.2067	0.1857 0.1890	0.1834 0.1648	0.1871	0.1918	Ave		0.1928				11.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Allyl chloride	0.6497 0.6048	0.5452 0.5593	0.5913 0.5102	0.5942	0.5731	Ave		0.5785				7.3		15.0			
Carbon disulfide	1.2929 1.3185	1.1479 1.2200	1.2066 1.1725	1.2573	1.2128	Ave		1.2286				4.7		15.0			
2-Methyl-2-propanol	1.3169 1.3027	1.2488 1.2416	1.3163 1.2930	1.1514	1.1773	Ave		1.2560				5.1		15.0			
Methylene Chloride	 0.3461	0.9059 0.3094	0.5238 0.2964	0.4189	0.3630	Lin2	1.1997	0.3003							0.9980		0.9900
Acrylonitrile	0.0873 0.0935	0.0753 0.0852	0.0857 0.0760	0.0868	0.0876	Ave		0.0847				7.2		15.0			
Methyl tert-butyl ether	0.6760 0.6952	0.6090 0.6473	0.6216 0.6147	0.6438	0.6474	Ave		0.6444				4.6		15.0			
trans-1,2-Dichloroethene	0.2901 0.2955	0.2611 0.2733	0.2713 0.2589	0.2908	0.2779	Ave		0.2774				5.0		15.0			
Hexane	 2.1204	2.2813 1.8862	2.1571 +++++	2.1355	1.9523	Ave		2.0888				6.9		15.0			
Vinyl acetate	0.4639 0.5200	0.4414 0.4935	0.4905 0.4569	0.4988	0.5189	Ave		0.4855				5.9		15.0			
1,1-Dichloroethane	0.5777 0.5892	0.5113 0.5338	0.5446 0.5027	0.5685	0.5583	Ave		0.5483			0.1000	5.6		15.0			
2-Butanone (MEK)	0.1495 0.1546	0.1240 0.1414	0.1352 0.1255	0.1341	0.1414	Ave		0.1382				7.8		15.0			
2-Butanol	0.9860 1.1541	0.9300 1.0778	1.0398 1.0445	1.0441	1.0461	Ave		1.0403				6.2		15.0			
cis-1,2-Dichloroethene	0.3224 0.3178	0.2912 0.2949	0.2961 0.2707	0.3038	0.2982	Ave		0.2994				5.4		15.0			
2,2-Dichloropropane	0.3513 0.3782	0.3741 0.3471	0.3500 0.3332	0.3650	0.3564	Ave		0.3569				4.2		15.0			
Chlorobromomethane	0.1667 0.1753	0.1426 0.1674	0.1506 0.1572	0.1642	0.1630	Ave		0.1609				6.5		15.0			
Chloroform	0.4644 0.4908	0.4321 0.4629	0.4514 0.4345	0.4736	0.4628	Ave		0.4591				4.2		30.0			
Tetrahydrofuran	0.0728 0.0761	0.0569 0.0705	0.0661 0.0629	0.0682	0.0701	Ave		0.0679				8.8		15.0			
1,1,1-Trichloroethane	0.3449 0.3540	0.3195 0.3296	0.3259 0.3204	0.3459	0.3271	Ave		0.3334				3.9		15.0			
Cyclohexane	0.5743 0.5901	0.5494 0.5348	0.5491 0.5046	0.5808	0.5565	Ave		0.5549				4.9		15.0			
Isobutyl alcohol	1.3656 1.4346	1.4440 1.2762	1.3962 1.3448	1.4941	1.3491	Ave		1.3881				4.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,1-Dichloropropene	0.3993 0.3951	0.3778 0.3644	0.3818 0.3374	0.3919	0.3685	Ave		0.3770				5.4		15.0			
Carbon tetrachloride	0.3111 0.3402	0.2887 0.3222	0.3067 0.3178	0.3209	0.3134	Ave		0.3151				4.7		15.0			
1,2-Dichloroethane	0.3109 0.3339	0.2781 0.3107	0.2931 0.2937	0.3064	0.3078	Ave		0.3043				5.4		15.0			
Benzene	1.1083 1.1869	1.0360 1.1120	1.0856 1.0301	1.1150	1.0894	Ave		1.0954				4.5		15.0			
Trichloroethene	0.3204 0.3354	0.2766 0.3153	0.2995 0.3032	0.3166	0.3022	Ave		0.3086				5.7		15.0			
2-Pentanone	0.2241 0.2193	0.1838 0.2016	0.1853 0.1808	0.1964	0.2015	Ave		0.1991				8.1		15.0			
Methylcyclohexane	0.4321 0.4642	0.4044 0.4222	0.4370 0.3798	0.4627	0.4403	Ave		0.4303				6.6		15.0			
1,2-Dichloropropane	 0.3508	0.3733 0.3195	0.3420 0.2879	0.3421	0.3256	Ave		0.3344				8.1		30.0			
1,4-Dioxane	0.0030 0.0027	0.0024 0.0026	0.0025 0.0025	0.0025	0.0025	Ave		0.0026				7.3		15.0			
Dibromomethane	0.1863 0.1824	0.1611 0.1764	0.1632 0.1687	0.1667	0.1689	Ave		0.1717				5.3		15.0			
Dichlorobromomethane	0.3370 0.3748	0.3014 0.3607	0.3168 0.3511	0.3350	0.3393	Ave		0.3395				6.9		15.0			
2-Chloroethyl vinyl ether	0.1316 0.1758	0.1359 0.1705	0.1497 0.1590	0.1567	0.1580	Ave		0.1547				9.9		15.0			
cis-1,3-Dichloropropene	1.7701 1.9743	1.6793 1.8574	1.7630 1.6801	1.8445	1.7872	Ave		1.7945				5.4		15.0			
4-Methyl-2-pentanone (MIBK)	0.2411 0.2770	0.2038 0.2574	0.2345 0.2253	0.2428	0.2505	Ave		0.2416				9.0		15.0			
Toluene	1.0128 1.1126	0.9651 1.0226	0.9811 0.9636	1.0490	1.0391	Ave		1.0182				4.9		30.0			
Ethyl methacrylate	0.9724 1.3902	1.0989 1.2625	1.1800 1.0795	1.2260	1.2406	Ave		1.1813				11.0		15.0			
trans-1,3-Dichloropropene	0.3626 0.4003	0.3319 0.3731	0.3523 0.3472	0.3724	0.3669	Ave		0.3633				5.6		15.0			
1,1,2-Trichloroethane	0.2133 0.2224	0.1988 0.2090	0.1954 0.2005	0.2063	0.2000	Ave		0.2057				4.4		15.0			
2-Hexanone	 0.8377	0.7576 0.7541	0.7879 0.6290	0.8203	0.7576	Ave		0.7635				8.9		15.0			
1,3-Dichloropropane	1.6422 1.6917	1.5148 1.5468	1.5641 1.3323	1.5722	1.5793	Ave		1.5554				6.8		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Tetrachloroethene	1.0081 1.0451	0.9275 0.9734	0.9547 0.8783	1.0276	0.9620	Ave		0.9721				5.6		15.0			
Chlorodibromomethane	0.9755 1.2331	0.9229 1.1769	1.0315 1.0917	1.0631	1.0516	Ave		1.0683				9.4		15.0			
Ethylene Dibromide	0.9696 1.0364	0.7992 0.9753	0.9076 0.8918	0.9155	0.9290	Ave		0.9280				7.5		15.0			
1-Chlorohexane	1.6636 1.7137	1.4842 1.5399	1.6522 1.3581	1.6715	1.6013	Ave		1.5856				7.5		15.0			
Chlorobenzene	3.0569 3.2377	2.8125 2.9774	3.0225 2.7353	3.0592	2.9551	Ave		2.9821			0.3000	5.2		15.0			
1,1,1,2-Tetrachloroethane	1.0167 1.1478	0.9585 1.0784	1.0065 0.9587	1.0299	1.0262	Ave		1.0278				6.1		15.0			
Ethylbenzene	1.5120 1.6268	1.4154 1.4702	1.5428 1.2643	1.5605	1.5091	Ave		1.4876				7.4		30.0			
m-Xylene & p-Xylene	3.6731 4.0395	3.3668 3.6521	3.6175 3.2271	3.7379	3.6517	Ave		3.6207				6.7		15.0			
o-Xylene	1.7446 1.9402	1.6349 1.7629	1.7486 1.4595	1.8473	1.8176	Ave		1.7445				8.3		15.0			
Styrene	2.5851 3.2416	2.5198 2.9417	2.7806 2.4351	2.9587	3.0021	Ave		2.8081				9.9		15.0			
Bromoform	0.6711 0.8195	0.5764 0.8072	0.5994 0.7572	0.6502	0.6724	Ave		0.6942			0.1000	13.0		15.0			
Isopropylbenzene	2.7237 3.2088	2.7597 2.9176	2.9921 2.7215	3.1116	2.9593	Ave		2.9243				6.2		15.0			
Cyclohexanone	0.0404 0.0454	0.0341 0.0425	0.0381 0.0368	0.0374	0.0397	Ave		0.0393				9.0		15.0			
1,1,2,2-Tetrachloroethane	0.7804 0.8256	0.7787 0.7628	0.7505 0.7270	0.7683	0.7554	Ave		0.7686			0.3000	3.7		15.0			
trans-1,4-Dichloro-2-butene	0.2689 0.2181	0.1850 0.1956	0.2120 0.1828	0.1907	0.1933	Ave		0.2058				14.0		15.0			
1,2,3-Trichloropropane	0.1680 0.1930	0.1834 0.1776	0.1710 0.1693	0.1744	0.1729	Ave		0.1762				4.8		15.0			
Bromobenzene	0.8396 0.9391	0.8009 0.8730	0.8457 0.8130	0.8606	0.8443	Ave		0.8520				5.0		15.0			
N-Propylbenzene	0.8366 0.9133	0.8071 0.8283	0.8503 0.7393	0.8831	0.8628	Ave		0.8401				6.2		15.0			
1,3,5-Trimethylbenzene	 2.5626	2.1995 2.3196	2.4031 2.0709	2.4681	2.4343	Ave		2.3511				7.2		15.0			
2-Chlorotoluene	0.7183 0.8237	0.7593 0.7444	0.7656 0.6763	0.8125	0.7641	Ave		0.7580				6.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chlorotoluene	0.7540 0.8731	0.7003 0.7910	0.7861 0.7397	0.8110	0.7792	Ave		0.7793				6.6		15.0			
tert-Butylbenzene	 2.6757	 2.4618	2.5143 2.2960	2.5725	2.5105	Ave		2.5051				5.0		15.0			
1,2,4-Trimethylbenzene	2.2799 2.6196	2.3372 2.4457	2.4713 2.2019	2.4993	2.4415	Ave		2.4120				5.5		15.0			
sec-Butylbenzene	0.6399 0.7115	0.6123 0.6536	0.6679 0.5966	0.6871	0.6642	Ave		0.6541				5.8		15.0			
4-Isopropyltoluene	2.7453 3.0873	2.5968 2.8261	2.8695 2.6007	2.9368	2.9292	Ave		2.8240				6.0		15.0			
1,3-Dichlorobenzene	1.5077 1.7484	1.4936 1.6389	1.5889 1.5238	1.6065	1.5847	Ave		1.5866				5.2		15.0			
1,4-Dichlorobenzene	1.5932 1.7440	1.5182 1.6293	1.5848 1.5324	1.6357	1.6033	Ave		1.6051				4.4		15.0			
n-Butylbenzene	2.4441 2.8313	2.5416 2.5882	2.7177 2.3299	2.7599	2.7657	Ave		2.6223				6.7		15.0			
1,2-Dichlorobenzene	1.3621 1.6197	1.3470 1.5178	1.4489 1.4550	1.4941	1.4690	Ave		1.4642				5.9		15.0			
1,2-Dibromo-3-Chloropropane	0.1391 0.1652	0.1292 0.1567	0.1314 0.1555	0.1338	0.1424	Ave		0.1442				9.3		15.0			
1,2,4-Trichlorobenzene	0.9490 1.1035	0.9346 1.0699	0.9642 1.0328	0.9888	1.0052	Ave		1.0060				5.9		15.0			
Hexachlorobutadiene	0.4738 0.5796	0.4923 0.5611	0.5161 0.5377	0.5138	0.5405	Ave		0.5269				6.6		15.0			
Naphthalene	 2.2701	 2.2330	1.8775 2.1615	1.9000	2.0068	Ave		2.0748				8.2		15.0			
1,2,3-Trichlorobenzene	0.8126 0.9784	0.7596 0.9646	0.8409 0.9344	0.8526	0.8778	Ave		0.8776				8.7		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD001 280-221523/2	J1275.D
Level 2	STD002 280-221523/3	J1276.D
Level 3	STD005 280-221523/4	J1277.D
Level 4	STD010 280-221523/5	J1278.D
Level 5	STD020 280-221523/6	J1279.D
Level 6	STD050 280-221523/7	J1280.D
Level 7	STD100 280-221523/8	J1281.D
Level 8	STD200 280-221523/9	J1282.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	651207	1238855	43796 2401156	96393	177986	50.0	100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	12542 612605	21916 1169262	50686 2372544	107251	204710	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	10678 496739	21704 889284	47026 +++++	94207	170687	1.00 50.0	2.00 100	5.00 +++++	10.0	20.0
Bromomethane	FB	Ave	288732	11864 489570	29307 +++++	59125	100449	50.0	2.00 100	5.00 +++++	10.0	20.0
Chloroethane	FB	Lin2	241229	12643 429031	27458 +++++	51379	83404	50.0	2.00 100	5.00 +++++	10.0	20.0
Dichlorofluoromethane	FB	Ave	15658 771353	28407 1416800	70980 2421239	146436	273262	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichlorofluoromethane	FB	Ave	13244 594054	21376 1144308	52825 2178275	107015	201288	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl ether	FB	Ave	13044 520657	20444 986605	51162 1819938	92949	187050	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Acrolein	FB	Ave	13125 741338	23182 1414070	67088 2492319	130913	279090	9.97 499	19.9 997	49.9 1995	99.7	199
Acetone	FB	Lin1	18975 593247	30717 1104471	53156 1872237	109094	211308	4.00 200	8.00 400	20.0 800	40.0	80.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	8628 470305	16104 894915	42356 1698855	87374	167698	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1-Dichloroethene	FB	Ave	11680 540132	18164 1014887	48211 1891350	99510	195011	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Iodomethane	FB	Ave	22474 1248890	40837 2400238	110140 4587161	226155	444270	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl acetate	FB	Ave	45829 1972421	71187 3665367	176478 6301138	354489	726246	5.00 250	10.0 500	25.0 1000	50.0	100
Allyl chloride	FB	Ave	25426 1154339	41804 2169646	113813 3901914	225156	434136	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Carbon disulfide	FB	Ave	50601 2516487	88024 4732908	232245 8967659	476432	918661	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Methyl-2-propanol	TBA	Ave	12292 566703	20263 1069848	54085 1964090	94074	205781	10.0 500	20.0 1000	50.0 2000	100	200
Methylene Chloride	FB	Lin2	 660508	69469 1200343	100818 2266685	158740	275003	 50.0	2.00 100	5.00 200	10.0	20.0
Acrylonitrile	FB	Ave	34169 1785006	57714 3303773	164900 5811863	328794	663640	10.0 500	20.0 1000	50.0 2000	100	200
Methyl tert-butyl ether	FB	Ave	26455 1326848	46699 2511010	119647 4701545	243948	490389	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	11354 564059	20023 1060269	52227 1980318	110212	210507	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexane	CBZ	Ave	 980751	41116 1797011	96751 +++++	193825	360166	 50.0	2.00 100	5.00 +++++	10.0	20.0
Vinyl acetate	FB	Ave	36312 1984935	67695 3828993	188843 6988596	378006	786166	2.00 100	4.00 200	10.0 400	20.0	40.0
1,1-Dichloroethane	FB	Ave	22609 1124618	39210 2070600	104828 3844857	215416	422875	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	23401 1180228	38030 2194490	104121 3839814	203258	428464	4.00 200	8.00 400	20.0 800	40.0	80.0
2-Butanol	TBA	Ave	27609 1506175	45270 2785983	128174 4759888	255906	548521	30.0 1500	60.0 3000	150 6000	300	600
cis-1,2-Dichloroethene	FB	Ave	12619 606528	22330 1144026	56990 2070635	115129	225851	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	13749 721826	28688 1346580	67371 2548473	138303	269984	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobromomethane	FB	Ave	6526 334520	10932 649314	28985 1202533	62230	123468	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloroform	FB	Ave	18175 936658	33136 1795934	86893 3322926	179452	350589	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrahydrofuran	FB	Ave	5695 290447	8726 547119	25429 962605	51655	106196	2.00 100	4.00 200	10.0 400	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	13499 675663	24501 1278561	62726 2450747	131085	247765	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexane	FB	Ave	22475 1126192	42130 2074850	105696 3859429	220072	421525	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isobutyl alcohol	TBA	Ave	12746 624080	23430 1099669	57367 2042724	122073	235802	10.0 500	20.0 1000	50.0 2000	100	200
1,1-Dichloropropene	FB	Ave	15626 754093	28974 1413664	73497 2580720	148512	279147	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	12176 649339	22138 1249867	59035 2430603	121606	237378	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Dichloroethane	FB	Ave	12169 637355	21322 1205353	56410 2246210	116120	233158	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Benzene	FB	Ave	43374 2265433	79440 4313656	208955 7877901	422508	825209	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	12541 640076	21211 1223199	57640 2318643	119983	228917	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Pentanone	FB	Ave	35090 1674290	56390 3128487	142656 5529730	297726	610585	4.00 200	8.00 400	20.0 800	40.0	80.0
Methylcyclohexane	FB	Ave	16911 886062	31010 1638012	84110 2904416	175322	333549	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloropropane	FB	Ave	 669497	28626 1239402	65820 2201888	129621	246635	 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	2334 104609	3675 202309	9697 385520	18820	37345	20.0 1000	40.0 2000	100 4000	200	400
Dibromomethane	FB	Ave	7293 348087	12354 684330	31409 1290059	63173	127942	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorobromomethane	FB	Ave	13190 715358	23114 1399249	60972 2685376	126955	257046	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	5151 335591	10423 661447	28812 1216112	59385	119695	1.00 50.0	2.00 100	5.00 200	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	17059 913177	30266 1769541	79073 3344882	167412	329710	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Ave	37750 2114533	62510 3994165	180573 6893429	368087	759034	4.00 200	8.00 400	20.0 800	40.0	80.0
Toluene	FB	Ave	39637 2123553	74003 3967047	188842 7369804	397496	787127	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl methacrylate	CBZ	Ave	9371 643011	19805 1202849	52925 2149084	111274	228876	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	FB	Ave	14190 764068	25454 1447330	67805 2655046	141123	277935	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	FB	Ave	8349 424522	15246 810813	37616 1533139	78157	151497	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	 1549859	54616 2873644	141360 5009331	297809	559075	 200	8.00 400	20.0 800	40.0	80.0
1,3-Dichloropropane	CBZ	Ave	15826 782481	27301 1473666	70153 2652435	142700	291352	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	9715 483370	16717 927389	42822 1748647	93267	177476	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorodibromomethane	CBZ	Ave	9401 570365	16633 1121256	46264 2173421	96493	194013	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylene Dibromide	CBZ	Ave	9344 479357	14403 929145	40708 1775384	83092	171396	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Chlorohexane	CBZ	Ave	16033 792616	26750 1467107	74104 2703774	151709	295418	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobenzene	CBZ	Ave	29460 1497548	50689 2836583	135567 5445472	277656	545180	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	9798 530894	17275 1027444	45144 1908558	93472	189328	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	14572 752434	25509 1400653	69197 2516931	141634	278415	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	35399 1868391	60679 3479392	162254 6424628	339263	673691	1.00 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBZ	Ave	16813 897417	29466 1679549	78429 2905605	167667	335329	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Styrene	CBZ	Ave	24913 1499324	45413 2802587	124717 4847864	268540	553850	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Ave	6468 379035	10389 769042	26883 1507431	59010	124051	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isopropylbenzene	DCB	Ave	42550 2362136	76169 4547692	208973 8391540	441588	874618	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexanone	CBZ	Ave	15592 840779	24599 1619398	68435 2926583	135917	293298	40.0 2000	80.0 4000	200 8000	400	800
1,1,2,2-Tetrachloroethane	DCB	Ave	12192 607764	21494 1188963	52412 2241590	109035	223242	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	4200 160562	5105 304826	14808 563776	27068	57130	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	2625 142066	5063 276851	11946 522004	24756	51089	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	13117 691309	22106 1360701	59061 2506813	122127	249534	1.00 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	13070 672320	22276 1291055	59386 2279547	125319	254991	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	 1886397	60707 3615621	167833 6385435	350260	719455	 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	11222 606358	20957 1160301	53467 2085263	115311	225834	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	11779 642757	19330 1232922	54903 2280840	115092	230299	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	 1969652	 3837262	175603 7079369	365085	741958	 50.0	 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	35616 1928415	64508 3812223	172595 6789191	354695	721571	1.00 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	9996 523776	16901 1018718	46646 1839591	97504	196312	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 19:19 Calibration End Date: 04/16/2014 21:46 Calibration ID: 17923

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Isopropyltoluene	DCB	Ave	42887 2272678	71675 4405058	200405 8019116	416774	865708	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3-Dichlorobenzene	DCB	Ave	23554 1287045	41224 2554591	110969 4698407	227988	468360	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	24889 1283857	41904 2539709	110684 4725107	232125	473835	1.00 50.0	2.00 100	5.00 200	10.0	20.0
n-Butylbenzene	DCB	Ave	38182 2084200	70149 4034363	189803 7183926	391680	817387	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	21278 1192349	37177 2365846	101192 4486292	212042	434168	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	2173 121622	3565 244289	9179 479526	18993	42073	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	14825 812348	25797 1667712	67342 3184460	140329	297088	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Ave	7401 426691	13588 874615	36047 1657950	72916	159753	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Naphthalene	DCB	Ave	 1671085	 3480690	131128 6664776	269645	593101	 50.0	 100	5.00 200	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	12694 720231	20966 1503541	58728 2881036	120995	259426	1.00 50.0	2.00 100	5.00 200	10.0	20.0

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1275.D
Lims ID: STD001
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Apr-2014 19:19:30 ALS Bottle#: 10 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD001
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:52 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 16-Apr-2014 22:19:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.940	5.940	0.000	76	933395	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1956859	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	82	481864	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	781100	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	76	13097	1.00	2.97	
27 Chloromethane	50	4.357	4.357	0.000	93	12542	1.00	1.09	
28 Vinyl chloride	62	4.513	4.513	0.000	83	10678	1.00	1.08	
147 Butadiene	54	4.513	4.513	0.000	82	11351	1.00	-2.41	
31 Bromomethane	94	4.896	4.896	0.000	84	9463	1.00	1.66	
32 Chloroethane	64	4.966	4.966	0.000	83	8858	1.00	1.06	
33 Dichlorofluoromethane	67	5.122	5.122	0.000	79	15658	1.00	1.08	
34 Trichlorofluoromethane	101	5.261	5.261	0.000	88	13244	1.00	1.16	
37 Ethyl ether	59	5.401	5.401	0.000	87	13044	1.00	1.26	
40 Acrolein	56	5.557	5.557	0.000	90	13125	9.97	9.63	
41 Acetone	43	5.662	5.662	0.000	90	18975	4.00	3.64	
42 1,1,2-Trichloro-1,2,2-trif	151	5.662	5.662	0.000	53	8628	1.00	0.9789	
45 1,1-Dichloroethene	96	5.696	5.696	0.000	96	11680	1.00	1.14	
46 Iodomethane	142	5.888	5.888	0.000	96	22474	1.00	0.9702	
48 Methyl acetate	43	5.905	5.905	0.000	88	45829	5.00	6.07	
49 3-Chloro-1-propene	41	5.957	5.957	0.000	56	25426	1.00	1.12	
51 Carbon disulfide	76	5.992	5.992	0.000	98	50601	1.00	1.05	
50 2-Methyl-2-propanol	59	6.010	6.010	0.000	8	12292	10.0	10.5	
52 Methylene Chloride	84	6.062	6.062	0.000	95	52772	1.00	0.4953	
53 Acrylonitrile	53	6.218	6.218	0.000	98	34169	10.0	10.3	
54 Methyl tert-butyl ether	73	6.253	6.253	0.000	96	26455	1.00	1.05	
55 trans-1,2-Dichloroethene	96	6.305	6.305	0.000	93	11354	1.00	1.05	
56 Hexane	57	6.462	6.462	0.000	89	25740	1.00	1.28	
57 Vinyl acetate	43	6.566	6.566	0.000	96	36312	2.00	1.91	
59 1,1-Dichloroethane	63	6.636	6.636	0.000	89	22609	1.00	1.05	
63 2-Butanone (MEK)	43	7.036	7.036	0.000	97	23401	4.00	4.33	
64 sec-Butyl Alcohol	45	7.088	7.088	0.000	98	27609	30.0	28.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.106	7.106	0.000	82	12619	1.00	1.08	
67 2,2-Dichloropropane	77	7.141	7.141	0.000	81	13749	1.00	0.9843	
69 Chlorobromomethane	128	7.315	7.315	0.000	89	6526	1.00	1.04	
70 Chloroform	83	7.332	7.332	0.000	87	18175	1.00	1.01	
71 Tetrahydrofuran	42	7.349	7.349	0.000	77	5695	2.00	2.14	
73 1,1,1-Trichloroethane	97	7.558	7.558	0.000	80	13499	1.00	1.03	
74 Cyclohexane	56	7.645	7.645	0.000	88	22475	1.00	1.03	
72 Isobutyl alcohol	41	7.645	7.645	0.000	97	12746	10.0	9.84	
75 1,1-Dichloropropene	75	7.680	7.680	0.000	89	15626	1.00	1.06	
76 Carbon tetrachloride	117	7.715	7.715	0.000	80	12176	1.00	0.9873	
77 1,2-Dichloroethane	62	7.854	7.854	0.000	66	12169	1.00	1.02	
79 Benzene	78	7.871	7.871	0.000	94	43374	1.00	1.01	
14 n-Heptane	43	7.941	7.941	0.000	92	24562	1.00	1.17	
81 Trichloroethene	130	8.376	8.376	0.000	92	12541	1.00	1.04	
82 2-Pentanone	43	8.411	8.411	0.000	96	35090	4.00	4.50	
85 Methylcyclohexane	55	8.585	8.585	0.000	54	16911	1.00	1.00	
84 1,2-Dichloropropane	63	8.585	8.585	0.000	57	17581	1.00	1.34	
86 1,4-Dioxane	88	8.637	8.637	0.000	60	2334	20.0	23.0	
87 Dibromomethane	93	8.706	8.706	0.000	75	7293	1.00	1.09	
88 Dichlorobromomethane	83	8.776	8.776	0.000	88	13190	1.00	0.99	
89 2-Chloroethyl vinyl ether	63	8.950	8.950	0.000	89	5151	1.00	0.8510	
91 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	86	17059	1.00	0.9864	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	95	37750	4.00	3.99	
93 Toluene	91	9.507	9.507	0.000	82	39637	1.00	0.99	
94 Ethyl methacrylate	69	9.611	9.611	0.000	78	9371	1.00	0.8232	
95 trans-1,3-Dichloropropene	75	9.629	9.629	0.000	87	14190	1.00	1.00	
96 1,1,2-Trichloroethane	97	9.820	9.820	0.000	86	8349	1.00	1.04	
97 2-Hexanone	43	9.977	9.977	0.000	95	54476	4.00	7.40	
98 1,3-Dichloropropane	76	9.994	9.994	0.000	92	15826	1.00	1.06	
99 Tetrachloroethene	164	10.029	10.029	0.000	93	9715	1.00	1.04	
100 Chlorodibromomethane	129	10.238	10.238	0.000	62	9401	1.00	0.9131	
102 Ethylene Dibromide	107	10.394	10.394	0.000	88	9344	1.00	1.04	
103 1-Chlorohexane	91	10.673	10.673	0.000	94	16033	1.00	1.05	
104 Chlorobenzene	112	10.794	10.794	0.000	52	29460	1.00	1.03	
106 1,1,1,2-Tetrachloroethane	131	10.847	10.847	0.000	18	9798	1.00	0.9891	
105 Ethylbenzene	106	10.847	10.847	0.000	91	14572	1.00	1.02	
107 m-Xylene & p-Xylene	91	10.934	10.934	0.000	100	35399	1.00	1.01	
109 o-Xylene	106	11.299	11.299	0.000	85	16813	1.00	1.00	
108 Styrene	104	11.299	11.299	0.000	85	24913	1.00	0.9206	
110 Bromoform	173	11.543	11.543	0.000	77	6468	1.00	0.9668	
111 Isopropylbenzene	105	11.612	11.612	0.000	93	42550	1.00	0.9314	a
113 Cyclohexanone	55	11.751	11.751	0.000	88	15592	40.0	41.1	
114 1,1,2,2-Tetrachloroethane	83	11.856	11.856	0.000	77	12192	1.00	1.02	
115 trans-1,4-Dichloro-2-buten	53	11.891	11.891	0.000	60	4200	1.00	1.31	
116 1,2,3-Trichloropropane	110	11.925	11.925	0.000	11	2625	1.00	0.9536	a
117 N-Propylbenzene	120	11.978	11.978	0.000	94	13070	1.00	1.00	
118 Bromobenzene	156	11.978	11.978	0.000	60	13117	1.00	0.9855	
119 1,3,5-Trimethylbenzene	105		12.118						
120 2-Chlorotoluene	126	12.117	12.117	0.000	90	11222	1.00	0.9477	
121 4-Chlorotoluene	126	12.221	12.221	0.000	94	11779	1.00	0.9675	
122 tert-Butylbenzene	119		12.466						
123 1,2,4-Trimethylbenzene	105	12.500	12.500	0.000	90	35616	1.00	0.9452	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.674	12.674	0.000	91	9996	1.00	0.9782	
125 4-Isopropyltoluene	119	12.778	12.778	0.000	88	42887	1.00	0.9721	
126 1,3-Dichlorobenzene	146	12.848	12.848	0.000	71	23554	1.00	0.9503	
128 1,4-Dichlorobenzene	146	12.935	12.935	0.000	71	24889	1.00	0.99	
129 n-Butylbenzene	91	13.196	13.196	0.000	94	38182	1.00	0.9321	
130 1,2-Dichlorobenzene	146	13.352	13.352	0.000	95	21278	1.00	0.9302	
131 1,2-Dibromo-3-Chloropropan	157	14.205	14.205	0.000	50	2173	1.00	0.9648	
132 1,2,4-Trichlorobenzene	180	15.266	15.266	0.000	83	14825	1.00	0.9433	
133 Hexachlorobutadiene	225	15.440	15.440	0.000	69	7401	1.00	0.8992	
134 Naphthalene	128	15.649	15.649	0.000	86	28552	1.00	0.8809	
135 1,2,3-Trichlorobenzene	180	16.014	16.014	0.000	90	12694	1.00	0.9259	
S 142 1,2-Dichloroethene, Total	96				0		2.00	2.12	
S 136 Trihalomethanes, Total	1				0		4.00	3.88	
S 137 Xylenes, Total (URS)	1				0		2.00	2.01	
S 138 Total BTEX	1				0			5.04	
S 139 1,3-Dichloropropene, Total	1				0		2.00	1.98	
S 140 1,2-Dichloroethene, Total	1				0		2.00	2.12	
S 141 Xylenes, Total	106				0		2.00	2.01	

QC Flag Legend

Review Flags
a - User Assigned ID

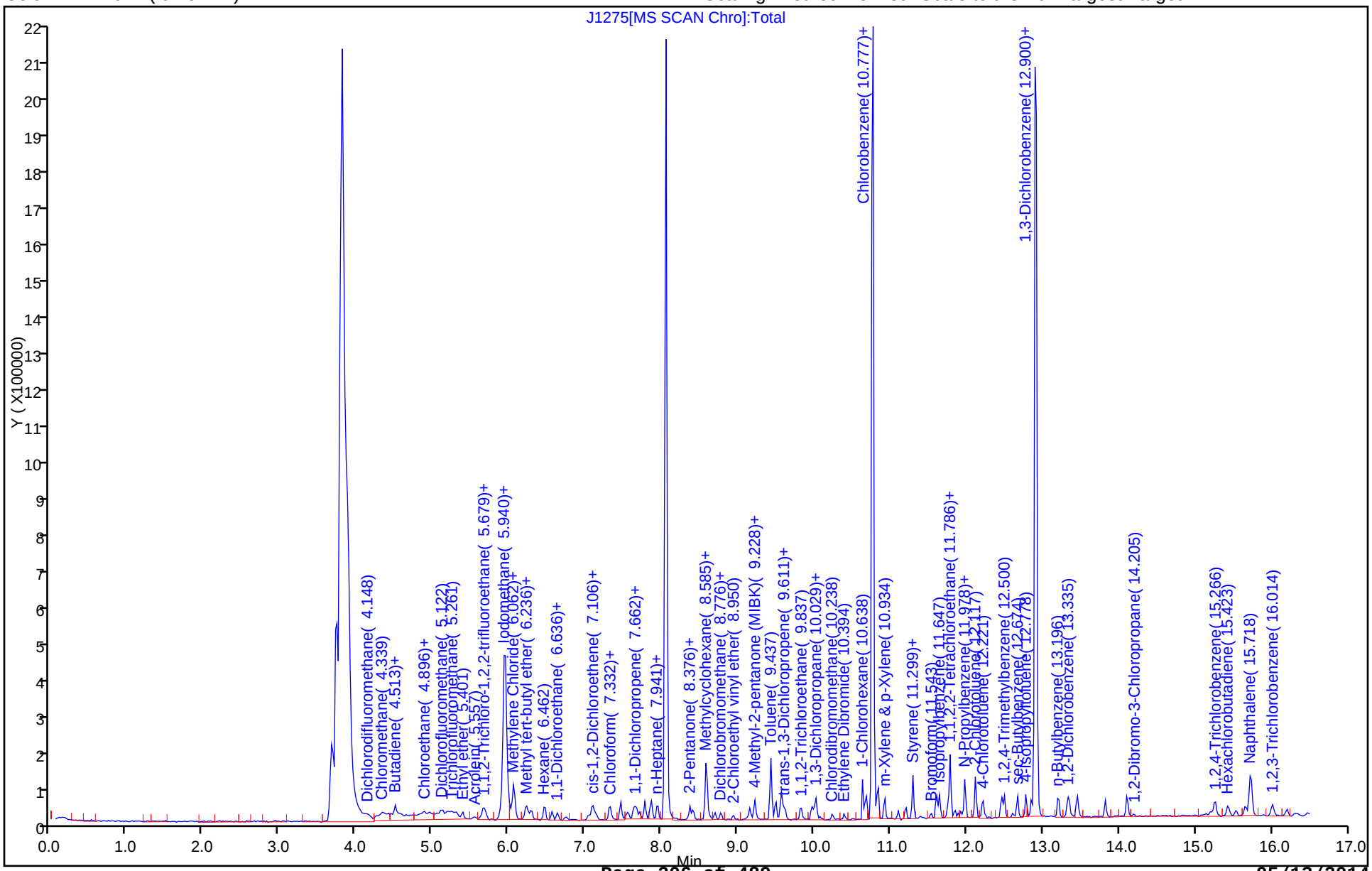
Report Date: 17-Apr-2014 16:19:53 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1275.D

Injection Date:	16-Apr-2014 19:19:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD001			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

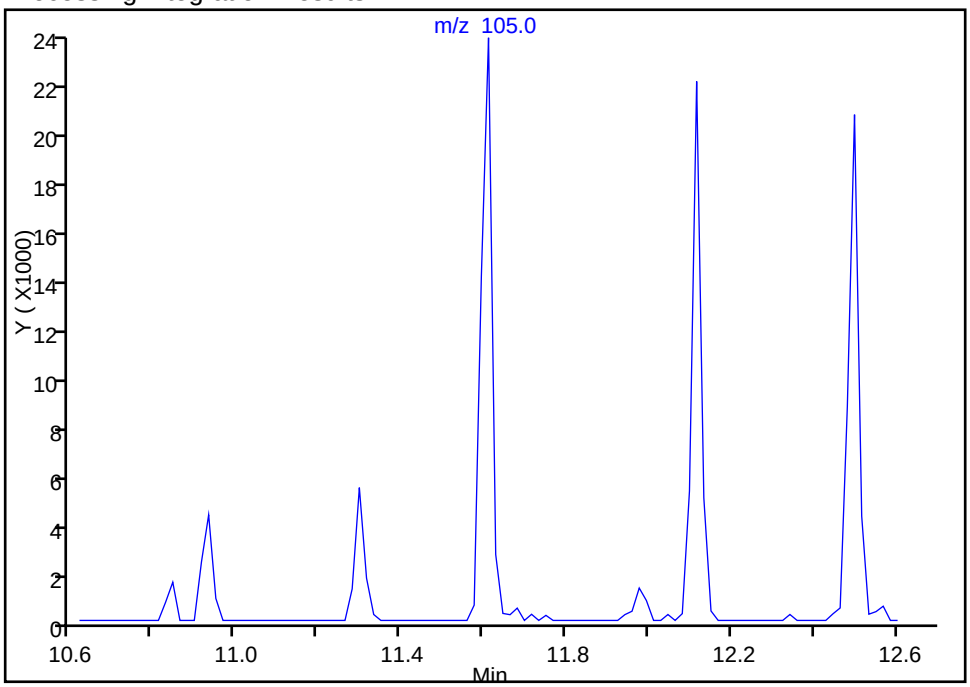
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1275.D
Injection Date: 16-Apr-2014 19:19:30 Instrument ID: VMS_J
Lims ID: STD001
Client ID:
Operator ID: DUKESA ALS Bottle#: 10 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

111 Isopropylbenzene, CAS: 98-82-8

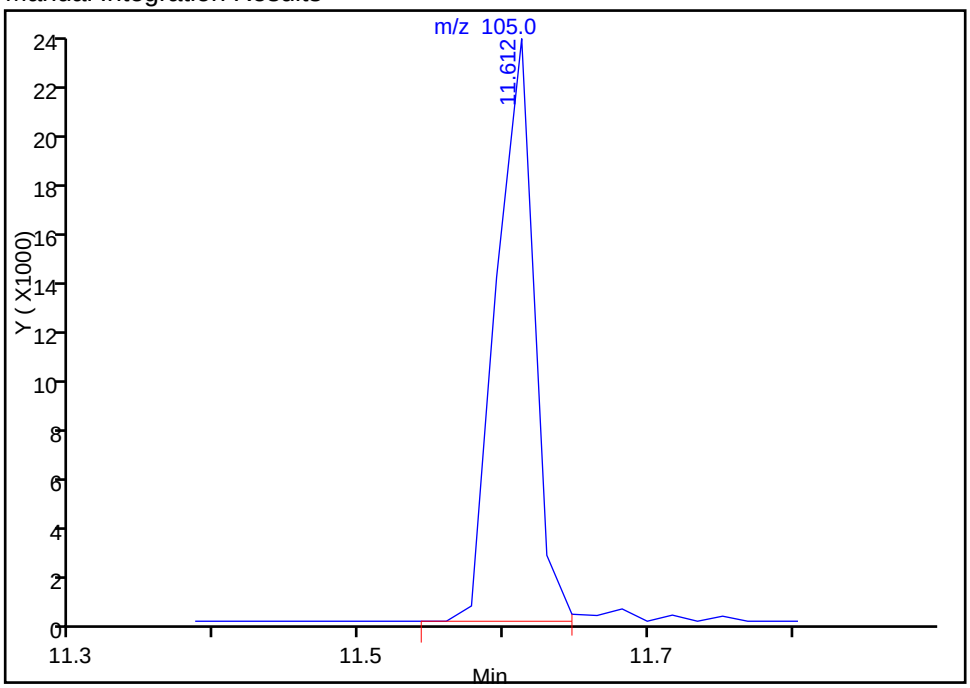
Not Detected
Expected RT: 11.61

Processing Integration Results



Manual Integration Results

RT: 11.61
Response: 42550
Amount: 0.931411



Reviewer: dukesa, 16-Apr-2014 22:19:56
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

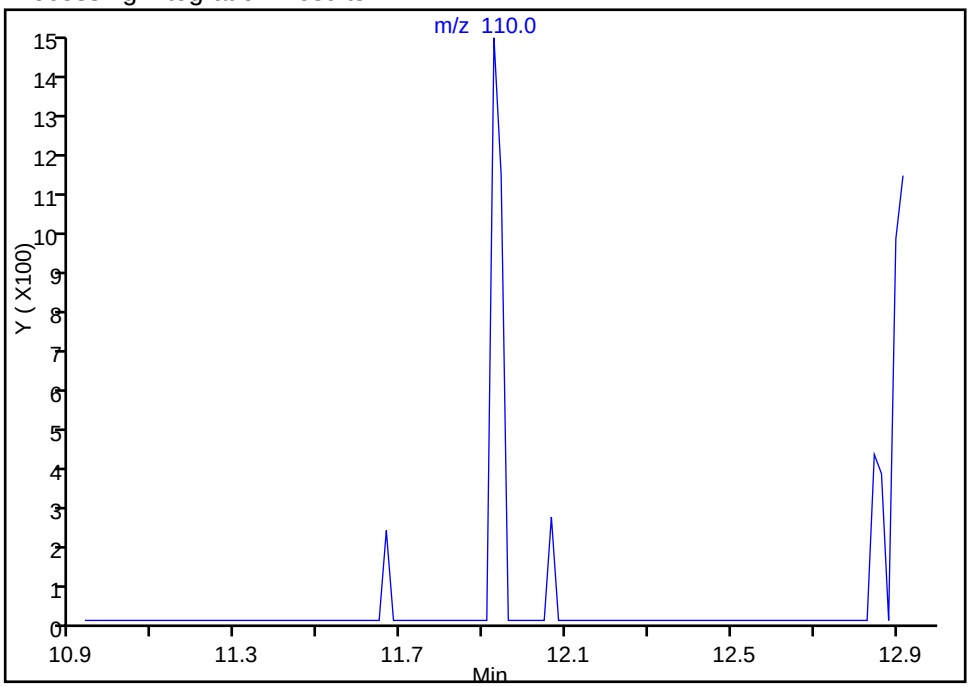
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1275.D
Injection Date: 16-Apr-2014 19:19:30 Instrument ID: VMS_J
Lims ID: STD001
Client ID:
Operator ID: DUKESA ALS Bottle#: 10 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

116 1,2,3-Trichloropropane, CAS: 96-18-4

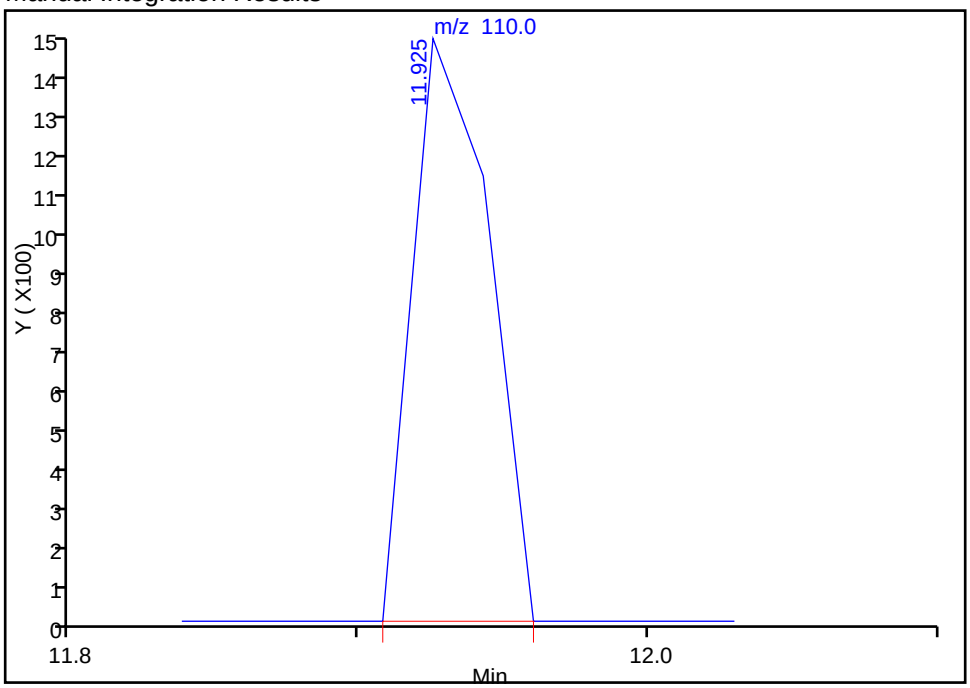
Not Detected
Expected RT: 11.93

Processing Integration Results



Manual Integration Results

RT: 11.93
Response: 2625
Amount: 0.953566



Reviewer: dukesa, 16-Apr-2014 22:19:56
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1276.D
Lims ID: STD002
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Apr-2014 19:40:30 ALS Bottle#: 11 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD002
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:53 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 16-Apr-2014 21:07:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	78	811281	1000.0	1000.0	
* 1 Fluorobenzene	96	8.064	8.064	0.000	98	1917075	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.778	0.000	83	450570	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.918	0.000	92	690019	50.0	50.0	
25 Dichlorodifluoromethane	85	4.149	4.149	0.000	93	19210	2.00	3.49	
27 Chloromethane	50	4.358	4.358	0.000	98	21916	2.00	1.94	
28 Vinyl chloride	62	4.514	4.514	0.000	84	21704	2.00	2.25	
147 Butadiene	54	4.514	4.514	0.000	84	14865	2.00	-1.83	
31 Bromomethane	94	4.879	4.879	0.000	92	11864	2.00	2.13	
32 Chloroethane	64	4.966	4.966	0.000	97	12643	2.00	1.95	
33 Dichlorofluoromethane	67	5.123	5.123	0.000	86	28407	2.00	1.99	
34 Trichlorofluoromethane	101	5.245	5.245	0.000	88	21376	2.00	1.91	
37 Ethyl ether	59	5.401	5.401	0.000	94	20444	2.00	2.01	
40 Acrolein	56	5.558	5.558	0.000	91	23182	19.9	17.4	
41 Acetone	43	5.662	5.662	0.000	99	30717	8.00	8.44	
42 1,1,2-Trichloro-1,2,2-trif	151	5.662	5.662	0.000	83	16104	2.00	1.86	
45 1,1-Dichloroethene	96	5.697	5.697	0.000	95	18164	2.00	1.81	
46 Iodomethane	142	5.889	5.889	0.000	98	40837	2.00	1.80	
48 Methyl acetate	43	5.906	5.906	0.000	88	71187	10.0	9.63	
49 3-Chloro-1-propene	41	5.958	5.958	0.000	69	41804	2.00	1.88	
51 Carbon disulfide	76	5.993	5.993	0.000	96	88024	2.00	1.87	
50 2-Methyl-2-propanol	59	6.010	6.010	0.000	42	20263	20.0	19.9	
52 Methylene Chloride	84	6.063	6.063	0.000	95	69469	2.00	2.04	
53 Acrylonitrile	53	6.219	6.219	0.000	97	57714	20.0	17.8	
54 Methyl tert-butyl ether	73	6.254	6.254	0.000	97	46699	2.00	1.89	
55 trans-1,2-Dichloroethene	96	6.306	6.306	0.000	89	20023	2.00	1.88	
56 Hexane	57	6.480	6.480	0.000	89	41116	2.00	2.18	
57 Vinyl acetate	43	6.567	6.567	0.000	96	67695	4.00	3.64	
59 1,1-Dichloroethane	63	6.637	6.637	0.000	95	39210	2.00	1.87	
63 2-Butanone (MEK)	43	7.054	7.054	0.000	98	38030	8.00	7.18	
64 sec-Butyl Alcohol	45	7.089	7.089	0.000	98	45270	60.0	53.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.107	7.107	0.000	85	22330	2.00	1.95	
67 2,2-Dichloropropane	77	7.141	7.141	0.000	80	28688	2.00	2.10	
69 Chlorobromomethane	128	7.315	7.315	0.000	89	10932	2.00	1.77	
70 Chloroform	83	7.333	7.333	0.000	94	33136	2.00	1.88	
71 Tetrahydrofuran	42	7.350	7.350	0.000	85	8726	4.00	3.35	
73 1,1,1-Trichloroethane	97	7.559	7.559	0.000	85	24501	2.00	1.92	
74 Cyclohexane	56	7.646	7.646	0.000	90	42130	2.00	1.98	
72 Isobutyl alcohol	41	7.646	7.646	0.000	94	23430	20.0	20.8	
75 1,1-Dichloropropene	75	7.681	7.681	0.000	95	28974	2.00	2.00	
76 Carbon tetrachloride	117	7.716	7.716	0.000	83	22138	2.00	1.83	
77 1,2-Dichloroethane	62	7.855	7.855	0.000	78	21322	2.00	1.83	
79 Benzene	78	7.872	7.872	0.000	94	79440	2.00	1.89	
14 n-Heptane	43	7.959	7.959	0.000	92	37835	2.00	1.84	
81 Trichloroethene	130	8.377	8.377	0.000	94	21211	2.00	1.79	
82 2-Pentanone	43	8.429	8.429	0.000	99	56390	8.00	7.39	
85 Methylcyclohexane	55	8.586	8.586	0.000	79	31010	2.00	1.88	
84 1,2-Dichloropropane	63	8.586	8.586	0.000	75	28626	2.00	2.23	
86 1,4-Dioxane	88	8.655	8.655	0.000	48	3675	40.0	37.0	
87 Dibromomethane	93	8.707	8.707	0.000	81	12354	2.00	1.88	
88 Dichlorobromomethane	83	8.777	8.777	0.000	89	23114	2.00	1.78	
89 2-Chloroethyl vinyl ether	63	8.951	8.951	0.000	90	10423	2.00	1.76	
91 cis-1,3-Dichloropropene	75	9.160	9.160	0.000	88	30266	2.00	1.87	
92 4-Methyl-2-pentanone (MIBK	43	9.229	9.229	0.000	95	62510	8.00	6.75	
93 Toluene	91	9.508	9.508	0.000	89	74003	2.00	1.90	
94 Ethyl methacrylate	69	9.612	9.612	0.000	81	19805	2.00	1.86	
95 trans-1,3-Dichloropropene	75	9.630	9.630	0.000	90	25454	2.00	1.83	
96 1,1,2-Trichloroethane	97	9.838	9.838	0.000	88	15246	2.00	1.93	
97 2-Hexanone	43	9.978	9.978	0.000	96	54616	8.00	7.94	
98 1,3-Dichloropropane	76	9.995	9.995	0.000	94	27301	2.00	1.95	
99 Tetrachloroethene	164	10.030	10.030	0.000	94	16717	2.00	1.91	
100 Chlorodibromomethane	129	10.239	10.239	0.000	78	16633	2.00	1.73	
102 Ethylene Dibromide	107	10.395	10.395	0.000	91	14403	2.00	1.72	
103 1-Chlorohexane	91	10.674	10.674	0.000	95	26750	2.00	1.87	
104 Chlorobenzene	112	10.795	10.795	0.000	88	50689	2.00	1.89	
106 1,1,1,2-Tetrachloroethane	131	10.848	10.848	0.000	40	17275	2.00	1.87	
105 Ethylbenzene	106	10.848	10.848	0.000	95	25509	2.00	1.90	
107 m-Xylene & p-Xylene	91	10.935	10.935	0.000	100	60679	2.00	1.86	
109 o-Xylene	106	11.300	11.300	0.000	86	29466	2.00	1.87	
108 Styrene	104	11.300	11.300	0.000	85	45413	2.00	1.79	
110 Bromoform	173	11.543	11.543	0.000	92	10389	2.00	1.66	
111 Isopropylbenzene	105	11.613	11.613	0.000	94	76169	2.00	1.89	
113 Cyclohexanone	55	11.752	11.752	0.000	87	24599	80.0	69.4	
114 1,1,2,2-Tetrachloroethane	83	11.857	11.857	0.000	81	21494	2.00	2.03	
115 trans-1,4-Dichloro-2-buten	53	11.891	11.891	0.000	67	5105	2.00	1.80	
116 1,2,3-Trichloropropane	110	11.926	11.926	0.000	48	5063	2.00	2.08	a
117 N-Propylbenzene	120	11.978	11.978	0.000	93	22276	2.00	1.92	
118 Bromobenzene	156	11.978	11.978	0.000	47	22106	2.00	1.88	
119 1,3,5-Trimethylbenzene	105	12.118	12.118	0.000	90	60707	2.00	1.87	
120 2-Chlorotoluene	126	12.118	12.118	0.000	91	20957	2.00	2.00	
121 4-Chlorotoluene	126	12.222	12.222	0.000	91	19330	2.00	1.80	
122 tert-Butylbenzene	119		12.466						
123 1,2,4-Trimethylbenzene	105	12.500	12.500	0.000	95	64508	2.00	1.94	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.674	12.674	0.000	90	16901	2.00	1.87	
125 4-Isopropyltoluene	119	12.779	12.779	0.000	90	71675	2.00	1.84	
126 1,3-Dichlorobenzene	146	12.848	12.848	0.000	88	41224	2.00	1.88	
128 1,4-Dichlorobenzene	146	12.935	12.935	0.000	84	41904	2.00	1.89	
129 n-Butylbenzene	91	13.196	13.196	0.000	94	70149	2.00	1.94	
130 1,2-Dichlorobenzene	146	13.353	13.353	0.000	94	37177	2.00	1.84	
131 1,2-Dibromo-3-Chloropropan	157	14.206	14.206	0.000	55	3565	2.00	1.79	
132 1,2,4-Trichlorobenzene	180	15.267	15.267	0.000	87	25797	2.00	1.86	
133 Hexachlorobutadiene	225	15.424	15.424	0.000	88	13588	2.00	1.87	
134 Naphthalene	128	15.650	15.650	0.000	93	46722	2.00	1.63	
135 1,2,3-Trichlorobenzene	180	16.015	16.015	0.000	89	20966	2.00	1.73	
S 142 1,2-Dichloroethene, Total	96				0		4.00	3.83	
S 136 Trihalomethanes, Total	1				0		8.00	7.05	
S 137 Xylenes, Total (URS)	1				0		4.00	3.73	
S 138 Total BTEX	1				0			9.42	
S 139 1,3-Dichloropropene, Total	1				0		4.00	3.70	
S 140 1,2-Dichloroethene, Total	1				0		4.00	3.83	
S 141 Xylenes, Total	106				0		4.00	3.73	

QC Flag Legend

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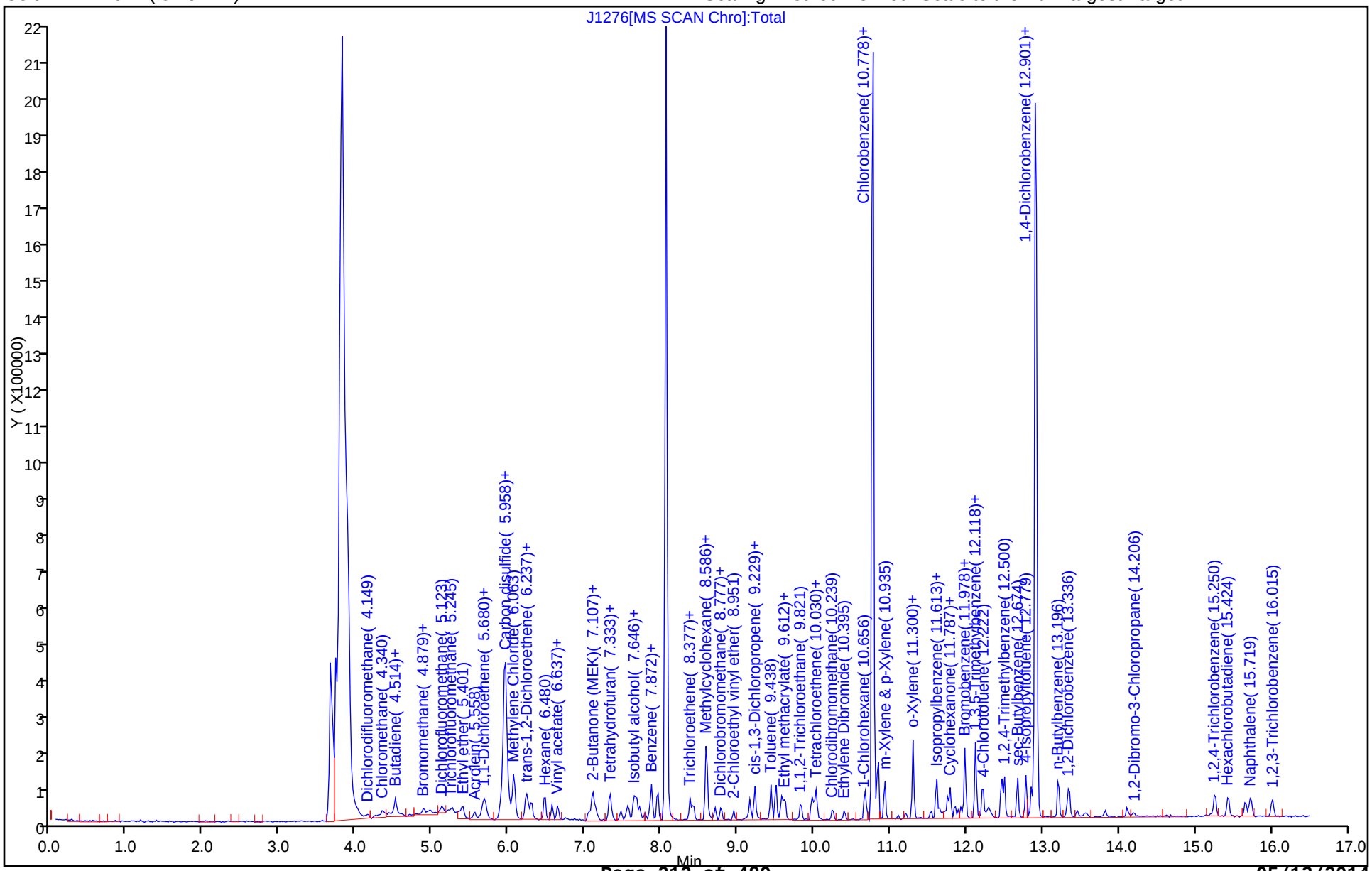
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1276.D

Injection Date:	16-Apr-2014 19:40:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD002			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

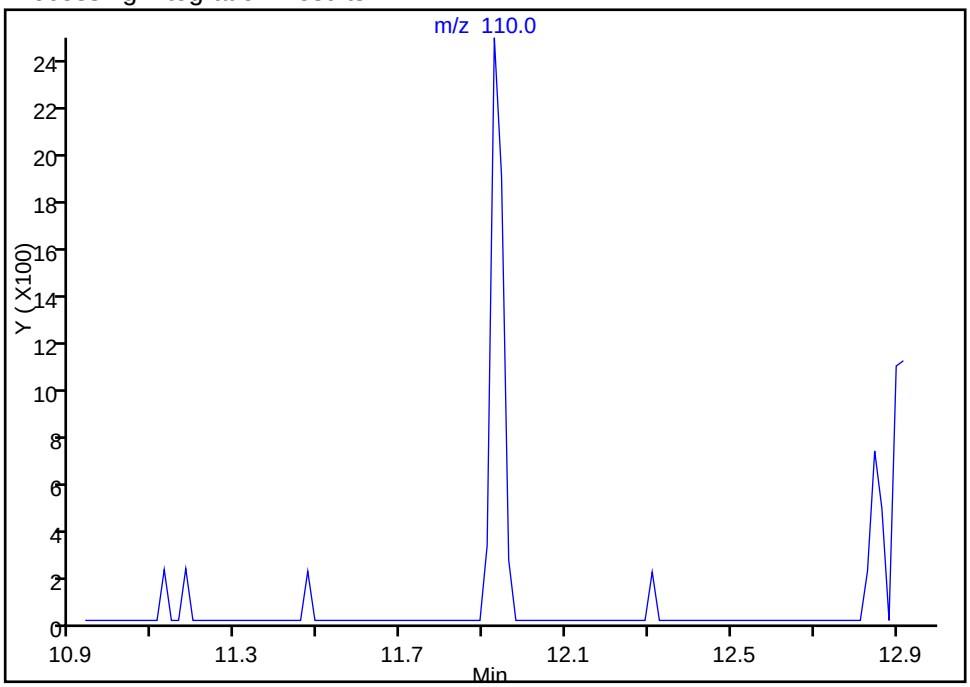
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1276.D
Injection Date: 16-Apr-2014 19:40:30 Instrument ID: VMS_J
Lims ID: STD002
Client ID:
Operator ID: DUKESA ALS Bottle#: 11 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

116 1,2,3-Trichloropropane, CAS: 96-18-4

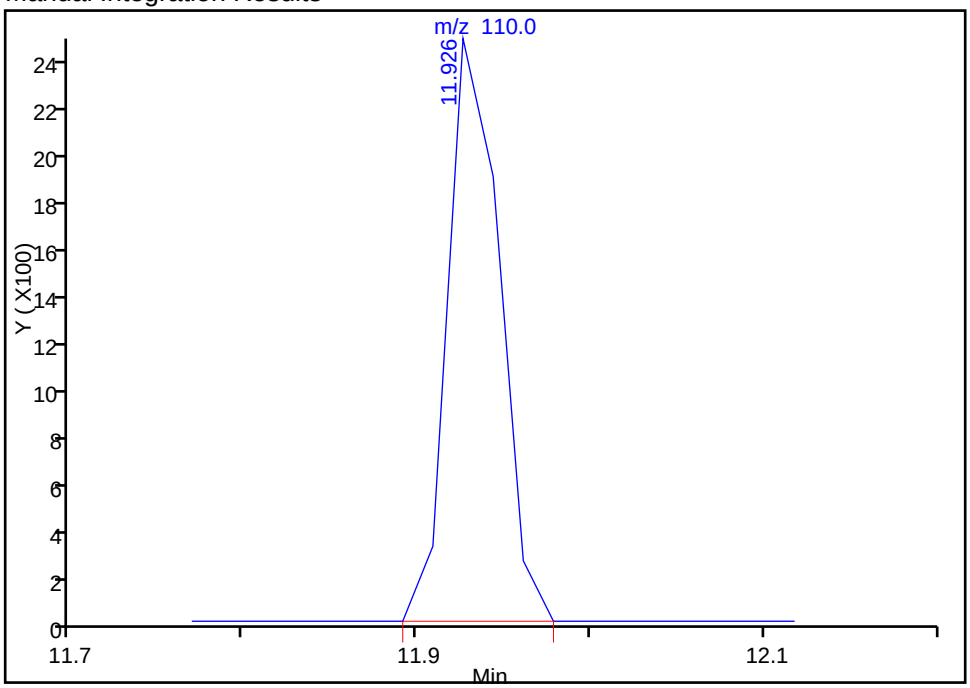
Not Detected
Expected RT: 11.93

Processing Integration Results



Manual Integration Results

RT: 11.93
Response: 5063
Amount: 2.081973



Reviewer: dukesa, 16-Apr-2014 22:19:39
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1277.D
Lims ID: STD005
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Apr-2014 20:01:30 ALS Bottle#: 12 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD005
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:55 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 16-Apr-2014 22:19:29

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	81	821749	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1924831	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.778	0.000	82	448525	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.918	0.000	91	698406	50.0	50.0	
25 Dichlorodifluoromethane	85	4.149	4.149	0.000	87	43796	5.00	5.47	
27 Chloromethane	50	4.357	4.357	0.000	100	50686	5.00	4.47	
28 Vinyl chloride	62	4.514	4.514	0.000	87	47026	5.00	4.85	
147 Butadiene	54	4.514	4.514	0.000	85	40571	5.00	2.13	
31 Bromomethane	94	4.879	4.879	0.000	92	29307	5.00	5.23	
32 Chloroethane	64	4.966	4.966	0.000	97	27458	5.00	5.24	
33 Dichlorofluoromethane	67	5.123	5.123	0.000	95	70980	5.00	4.96	
34 Trichlorofluoromethane	101	5.245	5.245	0.000	93	52825	5.00	4.71	
37 Ethyl ether	59	5.401	5.401	0.000	94	51162	5.00	5.01	
40 Acrolein	56	5.558	5.558	0.000	89	67088	49.9	50.0	
41 Acetone	43	5.662	5.662	0.000	99	53156	20.0	17.3	
42 1,1,2-Trichloro-1,2,2-trif	151	5.680	5.680	0.000	90	42356	5.00	4.89	
45 1,1-Dichloroethene	96	5.697	5.697	0.000	96	48211	5.00	4.78	
46 Iodomethane	142	5.888	5.888	0.000	99	110140	5.00	4.83	
48 Methyl acetate	43	5.906	5.906	0.000	87	176478	25.0	23.8	
49 3-Chloro-1-propene	41	5.958	5.958	0.000	68	113813	5.00	5.11	
51 Carbon disulfide	76	5.993	5.993	0.000	98	232245	5.00	4.91	
50 2-Methyl-2-propanol	59	6.028	6.028	0.000	89	54085	50.0	52.4	
52 Methylene Chloride	84	6.062	6.062	0.000	90	100818	5.00	4.73	
53 Acrylonitrile	53	6.236	6.236	0.000	99	164900	50.0	50.6	
54 Methyl tert-butyl ether	73	6.254	6.254	0.000	91	119647	5.00	4.82	
55 trans-1,2-Dichloroethene	96	6.306	6.306	0.000	96	52227	5.00	4.89	
56 Hexane	57	6.480	6.480	0.000	93	96751	5.00	5.16	
57 Vinyl acetate	43	6.567	6.567	0.000	95	188843	10.0	10.1	
59 1,1-Dichloroethane	63	6.637	6.637	0.000	96	104828	5.00	4.97	
63 2-Butanone (MEK)	43	7.054	7.054	0.000	100	104121	20.0	19.6	
64 sec-Butyl Alcohol	45	7.089	7.089	0.000	99	128174	150.0	149.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.106	7.106	0.000	84	56990	5.00	4.94	
67 2,2-Dichloropropane	77	7.141	7.141	0.000	89	67371	5.00	4.90	
69 Chlorobromomethane	128	7.333	7.333	0.000	92	28985	5.00	4.68	
70 Chloroform	83	7.333	7.333	0.000	95	86893	5.00	4.92	
71 Tetrahydrofuran	42	7.350	7.350	0.000	86	25429	10.0	9.72	
73 1,1,1-Trichloroethane	97	7.559	7.559	0.000	90	62726	5.00	4.89	
74 Cyclohexane	56	7.646	7.646	0.000	93	105696	5.00	4.95	
72 Isobutyl alcohol	41	7.646	7.646	0.000	98	57367	50.0	50.3	
75 1,1-Dichloropropene	75	7.681	7.681	0.000	95	73497	5.00	5.06	
76 Carbon tetrachloride	117	7.715	7.715	0.000	93	59035	5.00	4.87	
77 1,2-Dichloroethane	62	7.855	7.855	0.000	95	56410	5.00	4.81	
79 Benzene	78	7.872	7.872	0.000	97	208955	5.00	4.96	
14 n-Heptane	43	7.959	7.959	0.000	94	103528	5.00	5.00	
81 Trichloroethene	130	8.377	8.377	0.000	96	57640	5.00	4.85	
82 2-Pentanone	43	8.429	8.429	0.000	98	142656	20.0	18.6	
84 1,2-Dichloropropane	63	8.585	8.585	0.000	79	65820	5.00	5.11	
85 Methylcyclohexane	55	8.585	8.585	0.000	91	84110	5.00	5.08	
86 1,4-Dioxane	88	8.655	8.655	0.000	61	9697	100.0	97.3	
87 Dibromomethane	93	8.707	8.707	0.000	90	31409	5.00	4.75	
88 Dichlorobromomethane	83	8.777	8.777	0.000	93	60972	5.00	4.66	
89 2-Chloroethyl vinyl ether	63	8.951	8.951	0.000	87	28812	5.00	4.84	
91 cis-1,3-Dichloropropene	75	9.160	9.160	0.000	88	79073	5.00	4.91	
92 4-Methyl-2-pentanone (MIBK	43	9.229	9.229	0.000	95	180573	20.0	19.4	
93 Toluene	91	9.508	9.508	0.000	91	188842	5.00	4.82	
94 Ethyl methacrylate	69	9.612	9.612	0.000	84	52925	5.00	4.99	
95 trans-1,3-Dichloropropene	75	9.629	9.629	0.000	94	67805	5.00	4.85	
96 1,1,2-Trichloroethane	97	9.838	9.838	0.000	84	37616	5.00	4.75	
97 2-Hexanone	43	9.977	9.977	0.000	97	141360	20.0	20.6	
98 1,3-Dichloropropane	76	10.012	10.012	0.000	96	70153	5.00	5.03	
99 Tetrachloroethene	164	10.030	10.030	0.000	95	42822	5.00	4.91	
100 Chlorodibromomethane	129	10.238	10.238	0.000	85	46264	5.00	4.83	
102 Ethylene Dibromide	107	10.395	10.395	0.000	96	40708	5.00	4.89	
103 1-Chlorohexane	91	10.673	10.673	0.000	94	74104	5.00	5.21	
104 Chlorobenzene	112	10.795	10.795	0.000	88	135567	5.00	5.07	
106 1,1,1,2-Tetrachloroethane	131	10.847	10.847	0.000	39	45144	5.00	4.90	
105 Ethylbenzene	106	10.847	10.847	0.000	69	69197	5.00	5.19	
107 m-Xylene & p-Xylene	91	10.934	10.934	0.000	100	162254	5.00	5.00	
109 o-Xylene	106	11.300	11.300	0.000	86	78429	5.00	5.01	
108 Styrene	104	11.300	11.300	0.000	85	124717	5.00	4.95	
110 Bromoform	173	11.543	11.543	0.000	94	26883	5.00	4.32	
111 Isopropylbenzene	105	11.613	11.613	0.000	95	208973	5.00	5.12	
113 Cyclohexanone	55	11.752	11.752	0.000	88	68435	200.0	194.0	
114 1,1,2,2-Tetrachloroethane	83	11.857	11.857	0.000	77	52412	5.00	4.88	
115 trans-1,4-Dichloro-2-buten	53	11.891	11.891	0.000	78	14808	5.00	5.15	
116 1,2,3-Trichloropropane	110	11.926	11.926	0.000	56	11946	5.00	4.85	a
117 N-Propylbenzene	120	11.978	11.978	0.000	94	59386	5.00	5.06	
118 Bromobenzene	156	11.978	11.978	0.000	61	59061	5.00	4.96	
120 2-Chlorotoluene	126	12.135	12.135	0.000	98	53467	5.00	5.05	
119 1,3,5-Trimethylbenzene	105	12.118	12.118	0.000	89	167833	5.00	5.11	
121 4-Chlorotoluene	126	12.222	12.222	0.000	96	54903	5.00	5.04	
122 tert-Butylbenzene	119	12.465	12.465	0.000	90	175603	5.00	5.02	
123 1,2,4-Trimethylbenzene	105	12.500	12.500	0.000	90	172595	5.00	5.12	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.674	12.674	0.000	93	46646	5.00	5.11	
125 4-Isopropyltoluene	119	12.779	12.779	0.000	93	200405	5.00	5.08	
126 1,3-Dichlorobenzene	146	12.848	12.848	0.000	97	110969	5.00	5.01	
128 1,4-Dichlorobenzene	146	12.935	12.935	0.000	88	110684	5.00	4.94	
129 n-Butylbenzene	91	13.196	13.196	0.000	96	189803	5.00	5.18	
130 1,2-Dichlorobenzene	146	13.353	13.353	0.000	99	101192	5.00	4.95	
131 1,2-Dibromo-3-Chloropropan	157	14.205	14.205	0.000	79	9179	5.00	4.56	
132 1,2,4-Trichlorobenzene	180	15.267	15.267	0.000	93	67342	5.00	4.79	
133 Hexachlorobutadiene	225	15.441	15.441	0.000	93	36047	5.00	4.90	
134 Naphthalene	128	15.667	15.667	0.000	95	131128	5.00	4.52	
135 1,2,3-Trichlorobenzene	180	16.015	16.015	0.000	96	58728	5.00	4.79	
S 142 1,2-Dichloroethene, Total	96				0		10.0	9.84	
S 136 Trihalomethanes, Total	1				0		20.0	18.7	
S 137 Xylenes, Total (URS)	1				0		10.0	10.0	
S 138 Total BTEX	1				0			25.0	
S 139 1,3-Dichloropropene, Total	1				0		10.0	9.76	
S 140 1,2-Dichloroethene, Total	1				0		10.0	9.84	
S 141 Xylenes, Total	106				0		10.0	10.0	

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Review Flags
a - User Assigned ID

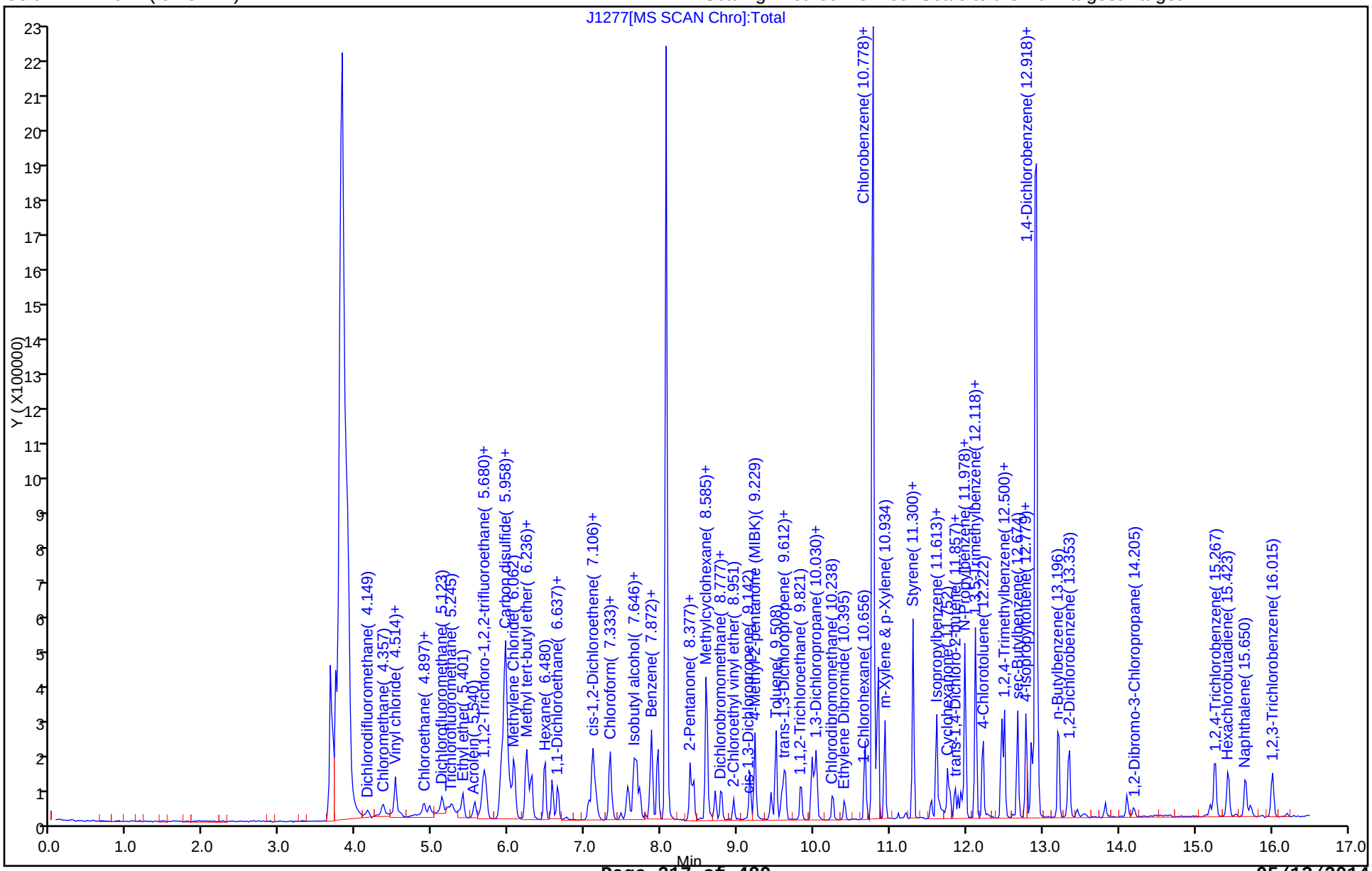
Report Date: 17-Apr-2014 16:19:55 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1277.D

Injection Date:	16-Apr-2014 20:01:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD005			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

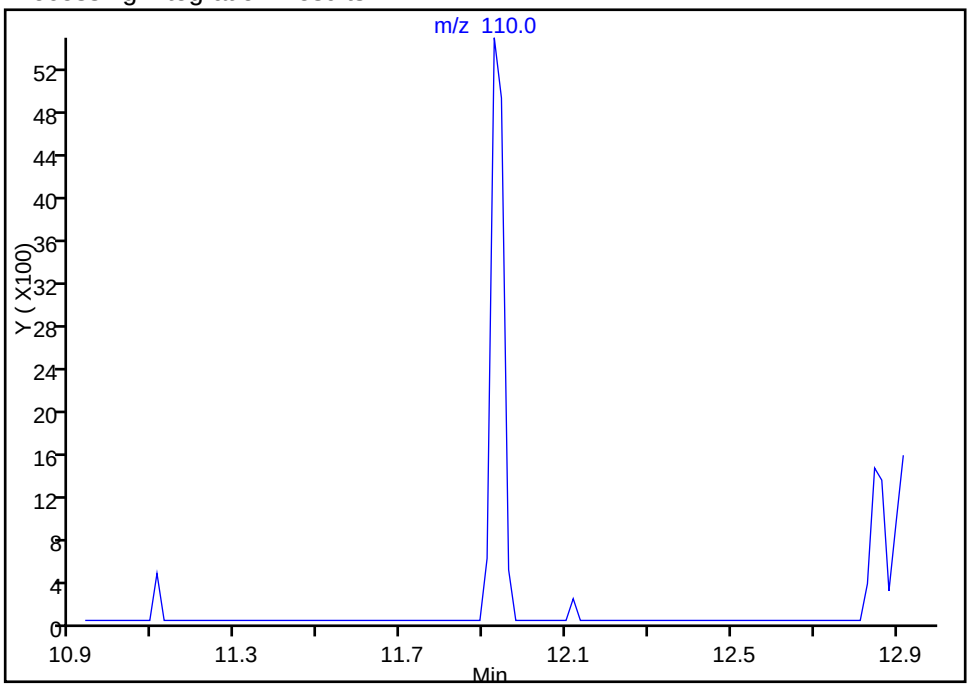
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1277.D
Injection Date: 16-Apr-2014 20:01:30 Instrument ID: VMS_J
Lims ID: STD005
Client ID:
Operator ID: DUKESA ALS Bottle#: 12 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

116 1,2,3-Trichloropropane, CAS: 96-18-4

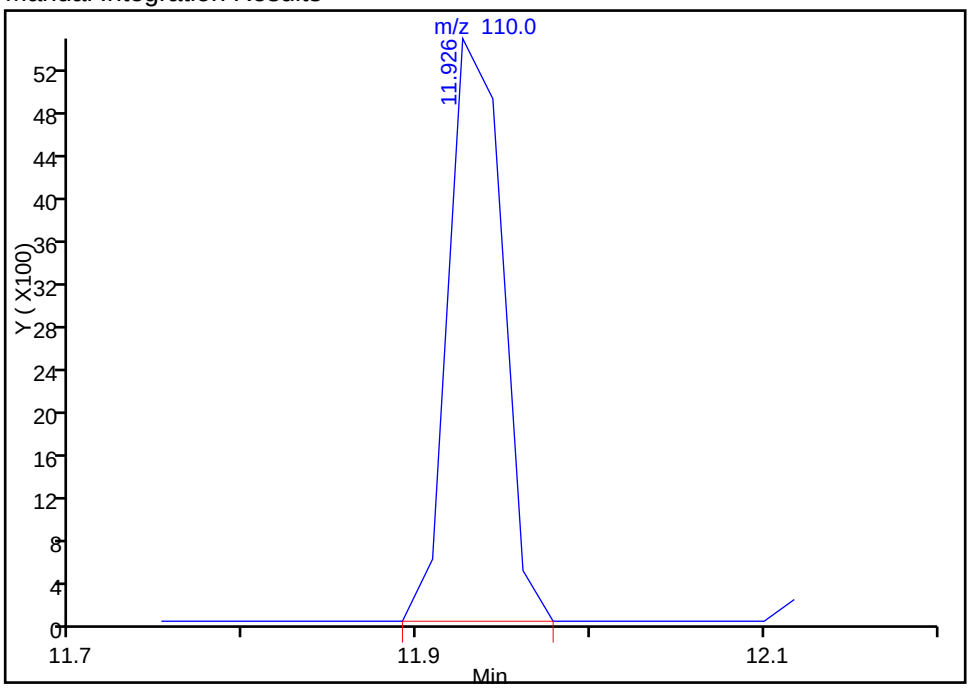
Not Detected
Expected RT: 11.93

Processing Integration Results



Manual Integration Results

RT: 11.93
Response: 11946
Amount: 4.853362



Reviewer: dukesa, 16-Apr-2014 22:19:29
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1278.D
Lims ID: STD010
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Apr-2014 20:22:30 ALS Bottle#: 13 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD010
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:56 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	85	817024	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1894674	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	81	453810	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.918	0.000	91	709580	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	96	96393	10.0	9.84	
27 Chloromethane	50	4.357	4.357	0.000	100	107251	10.0	9.61	
28 Vinyl chloride	62	4.514	4.514	0.000	90	94207	10.0	9.87	
147 Butadiene	54	4.514	4.514	0.000	88	81211	10.0	8.59	
31 Bromomethane	94	4.879	4.879	0.000	93	59125	10.0	10.7	
32 Chloroethane	64	4.966	4.966	0.000	98	51379	10.0	10.7	
33 Dichlorofluoromethane	67	5.123	5.123	0.000	89	146436	10.0	10.4	
34 Trichlorofluoromethane	101	5.244	5.244	0.000	95	107015	10.0	9.69	
37 Ethyl ether	59	5.401	5.401	0.000	95	92949	10.0	9.24	
40 Acrolein	56	5.558	5.558	0.000	90	130913	99.7	99.2	
41 Acetone	43	5.662	5.662	0.000	96	109094	40.0	40.0	
42 1,1,2-Trichloro-1,2,2-trif	151	5.662	5.662	0.000	93	87374	10.0	10.2	
45 1,1-Dichloroethene	96	5.697	5.697	0.000	96	99510	10.0	10.0	
46 Iodomethane	142	5.888	5.888	0.000	98	226155	10.0	10.1	
48 Methyl acetate	43	5.906	5.906	0.000	94	354489	50.0	48.5	
49 3-Chloro-1-propene	41	5.975	5.975	0.000	70	225156	10.0	10.3	
51 Carbon disulfide	76	5.993	5.993	0.000	98	476432	10.0	10.2	
50 2-Methyl-2-propanol	59	6.027	6.027	0.000	53	94074	100.0	91.7	
52 Methylene Chloride	84	6.080	6.080	0.000	94	158740	10.0	9.96	
53 Acrylonitrile	53	6.236	6.236	0.000	98	328794	100.0	102.5	
54 Methyl tert-butyl ether	73	6.254	6.254	0.000	91	243948	10.0	10.0	
55 trans-1,2-Dichloroethene	96	6.306	6.306	0.000	97	110212	10.0	10.5	
56 Hexane	57	6.480	6.480	0.000	93	193825	10.0	10.2	
57 Vinyl acetate	43	6.567	6.567	0.000	95	378006	20.0	20.5	
59 1,1-Dichloroethane	63	6.636	6.636	0.000	96	215416	10.0	10.4	
63 2-Butanone (MEK)	43	7.054	7.054	0.000	99	203258	40.0	38.8	
64 sec-Butyl Alcohol	45	7.089	7.089	0.000	98	255906	300.0	301.1	
65 cis-1,2-Dichloroethene	96	7.106	7.106	0.000	84	115129	10.0	10.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
67 2,2-Dichloropropane	77	7.141	7.141	0.000	88	138303	10.0	10.2	
69 Chlorobromomethane	128	7.332	7.332	0.000	94	62230	10.0	10.2	
70 Chloroform	83	7.332	7.332	0.000	94	179452	10.0	10.3	
71 Tetrahydrofuran	42	7.350	7.350	0.000	90	51655	20.0	20.1	
73 1,1,1-Trichloroethane	97	7.576	7.576	0.000	92	131085	10.0	10.4	
74 Cyclohexane	56	7.646	7.646	0.000	93	220072	10.0	10.5	
72 Isobutyl alcohol	41	7.646	7.646	0.000	99	122073	100.0	107.6	
75 1,1-Dichloropropene	75	7.680	7.680	0.000	94	148512	10.0	10.4	
76 Carbon tetrachloride	117	7.715	7.715	0.000	77	121606	10.0	10.2	
77 1,2-Dichloroethane	62	7.854	7.854	0.000	95	116120	10.0	10.1	
79 Benzene	78	7.872	7.872	0.000	97	422508	10.0	10.2	
14 n-Heptane	43	7.959	7.959	0.000	94	215277	10.0	10.6	
81 Trichloroethene	130	8.376	8.376	0.000	96	119983	10.0	10.3	
82 2-Pentanone	43	8.429	8.429	0.000	98	297726	40.0	39.5	
85 Methylcyclohexane	55	8.585	8.585	0.000	91	175322	10.0	10.8	
84 1,2-Dichloropropane	63	8.585	8.585	0.000	82	129621	10.0	10.2	
86 1,4-Dioxane	88	8.655	8.655	0.000	83	18820	200.0	191.8	
87 Dibromomethane	93	8.707	8.707	0.000	91	63173	10.0	9.71	
88 Dichlorobromomethane	83	8.794	8.794	0.000	96	126955	10.0	9.87	
89 2-Chloroethyl vinyl ether	63	8.951	8.951	0.000	91	59385	10.0	10.1	
91 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	89	167412	10.0	10.3	
92 4-Methyl-2-pentanone (MIBK	43	9.229	9.229	0.000	96	368087	40.0	40.2	
93 Toluene	91	9.507	9.507	0.000	91	397496	10.0	10.3	
94 Ethyl methacrylate	69	9.612	9.612	0.000	85	111274	10.0	10.4	
95 trans-1,3-Dichloropropene	75	9.629	9.629	0.000	97	141123	10.0	10.3	
96 1,1,2-Trichloroethane	97	9.838	9.838	0.000	91	78157	10.0	10.0	
97 2-Hexanone	43	9.977	9.977	0.000	97	297809	40.0	43.0	
98 1,3-Dichloropropane	76	10.012	10.012	0.000	92	142700	10.0	10.1	
99 Tetrachloroethene	164	10.029	10.029	0.000	94	93267	10.0	10.6	
100 Chlorodibromomethane	129	10.256	10.256	0.000	88	96493	10.0	9.95	
102 Ethylene Dibromide	107	10.395	10.395	0.000	99	83092	10.0	9.86	
103 1-Chlorohexane	91	10.673	10.673	0.000	98	151709	10.0	10.5	
104 Chlorobenzene	112	10.795	10.795	0.000	89	277656	10.0	10.3	
106 1,1,1,2-Tetrachloroethane	131	10.847	10.847	0.000	39	93472	10.0	10.0	
105 Ethylbenzene	106	10.847	10.847	0.000	71	141634	10.0	10.5	
107 m-Xylene & p-Xylene	91	10.934	10.934	0.000	100	339263	10.0	10.3	
109 o-Xylene	106	11.299	11.299	0.000	85	167667	10.0	10.6	
108 Styrene	104	11.299	11.299	0.000	85	268540	10.0	10.5	
110 Bromoform	173	11.543	11.543	0.000	95	59010	10.0	9.37	
111 Isopropylbenzene	105	11.613	11.613	0.000	95	441588	10.0	10.6	
113 Cyclohexanone	55	11.752	11.752	0.000	90	135917	400.0	380.8	
114 1,1,2,2-Tetrachloroethane	83	11.856	11.856	0.000	78	109035	10.0	10.0	
115 trans-1,4-Dichloro-2-buten	53	11.891	11.891	0.000	78	27068	10.0	9.27	
116 1,2,3-Trichloropropane	110	11.943	11.943	0.000	82	24756	10.0	9.90	
117 N-Propylbenzene	120	11.978	11.978	0.000	94	125319	10.0	10.5	
118 Bromobenzene	156	11.978	11.978	0.000	61	122127	10.0	10.1	
120 2-Chlorotoluene	126	12.135	12.135	0.000	94	115311	10.0	10.7	
119 1,3,5-Trimethylbenzene	105	12.117	12.117	0.000	92	350260	10.0	10.5	
121 4-Chlorotoluene	126	12.222	12.222	0.000	96	115092	10.0	10.4	
122 tert-Butylbenzene	119	12.465	12.465	0.000	89	365085	10.0	10.3	
123 1,2,4-Trimethylbenzene	105	12.500	12.500	0.000	91	354695	10.0	10.4	
124 sec-Butylbenzene	134	12.674	12.674	0.000	94	97504	10.0	10.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 4-Isopropyltoluene	119	12.778	12.778	0.000	95	416774	10.0	10.4	
126 1,3-Dichlorobenzene	146	12.865	12.865	0.000	84	227988	10.0	10.1	
128 1,4-Dichlorobenzene	146	12.935	12.935	0.000	92	232125	10.0	10.2	
129 n-Butylbenzene	91	13.213	13.213	0.000	95	391680	10.0	10.5	
130 1,2-Dichlorobenzene	146	13.353	13.353	0.000	98	212042	10.0	10.2	
131 1,2-Dibromo-3-Chloropropan	157	14.205	14.205	0.000	84	18993	10.0	9.28	
132 1,2,4-Trichlorobenzene	180	15.267	15.267	0.000	94	140329	10.0	9.83	
133 Hexachlorobutadiene	225	15.441	15.441	0.000	96	72916	10.0	9.75	
134 Naphthalene	128	15.667	15.667	0.000	97	269645	10.0	9.16	
135 1,2,3-Trichlorobenzene	180	16.015	16.015	0.000	94	120995	10.0	9.71	
S 142 1,2-Dichloroethene, Total	96				0		20.0	20.6	
S 136 Trihalomethanes, Total	1				0		40.0	39.5	
S 137 Xylenes, Total (URS)	1				0		20.0	20.9	
S 138 Total BTEX	1				0			51.9	
S 139 1,3-Dichloropropene, Total	1				0		20.0	20.5	
S 140 1,2-Dichloroethene, Total	1				0		20.0	20.6	
S 141 Xylenes, Total	106				0		20.0	20.9	

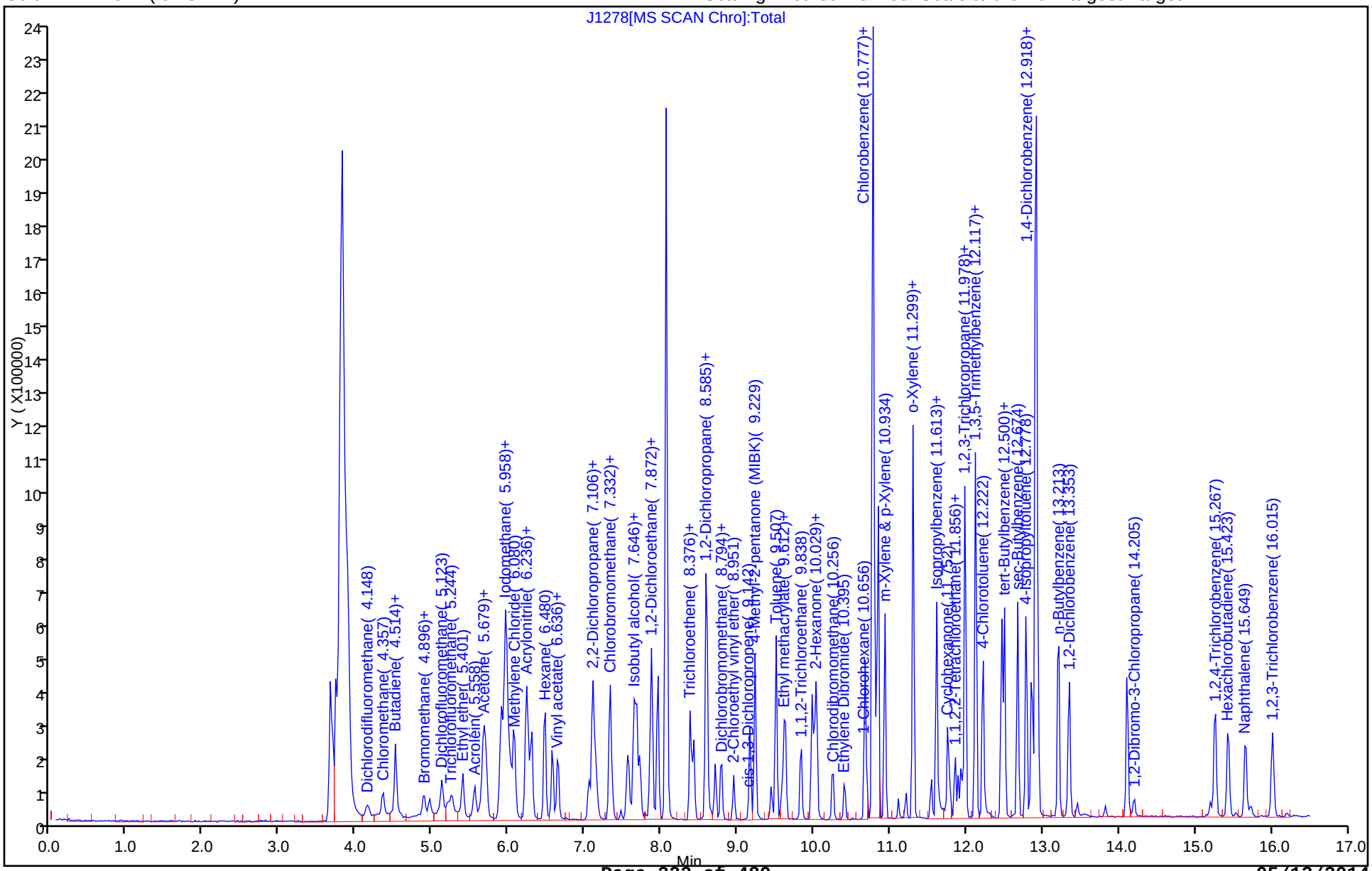
Report Date: 17-Apr-2014 16:19:56 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1278.D

Injection Date:	16-Apr-2014 20:22:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD010			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1279.D
Lims ID: STD020
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 16-Apr-2014 20:43:30 ALS Bottle#: 14 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD020
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:56 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 16-Apr-2014 22:19:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	79	873916	1000.0	1000.0	
* 1 Fluorobenzene	96	8.064	8.064	0.000	98	1893703	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.778	0.000	79	461218	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.918	0.000	91	738865	50.0	50.0	
25 Dichlorodifluoromethane	85	4.149	4.149	0.000	97	177986	20.0	16.5	
27 Chloromethane	50	4.358	4.358	0.000	100	204710	20.0	18.4	
28 Vinyl chloride	62	4.514	4.514	0.000	98	170687	20.0	17.9	
147 Butadiene	54	4.514	4.514	0.000	92	140545	20.0	17.9	
31 Bromomethane	94	4.880	4.880	0.000	94	100449	20.0	18.2	
32 Chloroethane	64	4.967	4.967	0.000	98	83404	20.0	18.0	
33 Dichlorofluoromethane	67	5.123	5.123	0.000	94	273262	20.0	19.4	
34 Trichlorofluoromethane	101	5.245	5.245	0.000	98	201288	20.0	18.2	
37 Ethyl ether	59	5.402	5.402	0.000	96	187050	20.0	18.6	
40 Acrolein	56	5.558	5.558	0.000	92	279090	199.5	211.6	
41 Acetone	43	5.663	5.663	0.000	98	211308	80.0	81.0	
42 1,1,2-Trichloro-1,2,2-trif	151	5.663	5.663	0.000	94	167698	20.0	19.7	
45 1,1-Dichloroethene	96	5.697	5.697	0.000	96	195011	20.0	19.6	
46 Iodomethane	142	5.889	5.889	0.000	98	444270	20.0	19.8	
48 Methyl acetate	43	5.906	5.906	0.000	95	726246	100.0	99.4	
49 3-Chloro-1-propene	41	5.958	5.958	0.000	75	434136	20.0	19.8	
51 Carbon disulfide	76	5.993	5.993	0.000	99	918661	20.0	19.7	
50 2-Methyl-2-propanol	59	6.028	6.028	0.000	53	205781	200.0	187.5	
52 Methylene Chloride	84	6.063	6.063	0.000	91	275003	20.0	20.2	
53 Acrylonitrile	53	6.237	6.237	0.000	99	663640	200.0	207.0	
54 Methyl tert-butyl ether	73	6.254	6.254	0.000	90	490389	20.0	20.1	
55 trans-1,2-Dichloroethene	96	6.306	6.306	0.000	95	210507	20.0	20.0	
56 Hexane	57	6.480	6.480	0.000	93	360166	20.0	18.7	
57 Vinyl acetate	43	6.567	6.567	0.000	96	786166	40.0	42.8	
59 1,1-Dichloroethane	63	6.637	6.637	0.000	96	422875	20.0	20.4	
63 2-Butanone (MEK)	43	7.055	7.055	0.000	99	428464	80.0	81.8	
64 sec-Butyl Alcohol	45	7.089	7.089	0.000	99	548521	600.0	603.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.107	7.107	0.000	84	225851	20.0	19.9	
67 2,2-Dichloropropane	77	7.142	7.142	0.000	91	269984	20.0	20.0	
69 Chlorobromomethane	128	7.316	7.316	0.000	92	123468	20.0	20.3	
70 Chloroform	83	7.333	7.333	0.000	94	350589	20.0	20.2	
71 Tetrahydrofuran	42	7.350	7.350	0.000	89	106196	40.0	41.3	
73 1,1,1-Trichloroethane	97	7.559	7.559	0.000	92	247765	20.0	19.6	
74 Cyclohexane	56	7.646	7.646	0.000	93	421525	20.0	20.1	
72 Isobutyl alcohol	41	7.646	7.646	0.000	97	235802	200.0	194.4	
75 1,1-Dichloropropene	75	7.681	7.681	0.000	96	279147	20.0	19.5	
76 Carbon tetrachloride	117	7.716	7.716	0.000	79	237378	20.0	19.9	
77 1,2-Dichloroethane	62	7.855	7.855	0.000	95	233158	20.0	20.2	
79 Benzene	78	7.872	7.872	0.000	97	825209	20.0	19.9	
14 n-Heptane	43	7.959	7.959	0.000	94	401039	20.0	19.7	
81 Trichloroethene	130	8.377	8.377	0.000	95	228917	20.0	19.6	
82 2-Pentanone	43	8.429	8.429	0.000	98	610585	80.0	81.0	
85 Methylcyclohexane	55	8.586	8.586	0.000	91	333549	20.0	20.5	
84 1,2-Dichloropropane	63	8.586	8.586	0.000	83	246635	20.0	19.5	
86 1,4-Dioxane	88	8.655	8.655	0.000	80	37345	400.0	380.8	
87 Dibromomethane	93	8.708	8.708	0.000	86	127942	20.0	19.7	
88 Dichlorobromomethane	83	8.777	8.777	0.000	95	257046	20.0	20.0	
89 2-Chloroethyl vinyl ether	63	8.951	8.951	0.000	91	119695	20.0	20.4	
91 cis-1,3-Dichloropropene	75	9.160	9.160	0.000	89	329710	20.0	19.9	
92 4-Methyl-2-pentanone (MIBK	43	9.230	9.230	0.000	96	759034	80.0	83.0	
93 Toluene	91	9.508	9.508	0.000	91	787127	20.0	20.4	
94 Ethyl methacrylate	69	9.612	9.612	0.000	89	228876	20.0	21.0	
95 trans-1,3-Dichloropropene	75	9.630	9.630	0.000	94	277935	20.0	20.2	
96 1,1,2-Trichloroethane	97	9.838	9.838	0.000	90	151497	20.0	19.4	
97 2-Hexanone	43	9.978	9.978	0.000	97	559075	80.0	79.4	
98 1,3-Dichloropropane	76	10.012	10.012	0.000	90	291352	20.0	20.3	
99 Tetrachloroethene	164	10.030	10.030	0.000	95	177476	20.0	19.8	
100 Chlorodibromomethane	129	10.239	10.239	0.000	88	194013	20.0	19.7	
102 Ethylene Dibromide	107	10.395	10.395	0.000	99	171396	20.0	20.0	
103 1-Chlorohexane	91	10.674	10.674	0.000	97	295418	20.0	20.2	
104 Chlorobenzene	112	10.795	10.795	0.000	91	545180	20.0	19.8	
106 1,1,1,2-Tetrachloroethane	131	10.848	10.848	0.000	41	189328	20.0	20.0	
105 Ethylbenzene	106	10.848	10.848	0.000	87	278415	20.0	20.3	
107 m-Xylene & p-Xylene	91	10.935	10.935	0.000	100	673691	20.0	20.2	
109 o-Xylene	106	11.300	11.300	0.000	85	335329	20.0	20.8	
108 Styrene	104	11.300	11.300	0.000	86	553850	20.0	21.4	
110 Bromoform	173	11.544	11.544	0.000	96	124051	20.0	19.4	
111 Isopropylbenzene	105	11.613	11.613	0.000	95	874618	20.0	20.2	
113 Cyclohexanone	55	11.752	11.752	0.000	90	293298	800.0	808.6	
114 1,1,2,2-Tetrachloroethane	83	11.857	11.857	0.000	83	223242	20.0	19.7	
115 trans-1,4-Dichloro-2-buten	53	11.892	11.892	0.000	81	57130	20.0	18.8	
116 1,2,3-Trichloropropane	110	11.926	11.926	0.000	58	51089	20.0	19.6	a
117 N-Propylbenzene	120	11.979	11.979	0.000	95	254991	20.0	20.5	
118 Bromobenzene	156	11.979	11.979	0.000	57	249534	20.0	19.8	
119 1,3,5-Trimethylbenzene	105	12.118	12.118	0.000	91	719455	20.0	20.7	
120 2-Chlorotoluene	126	12.118	12.118	0.000	96	225834	20.0	20.2	
121 4-Chlorotoluene	126	12.222	12.222	0.000	96	230299	20.0	20.0	
122 tert-Butylbenzene	119	12.466	12.466	0.000	90	741958	20.0	20.0	
123 1,2,4-Trimethylbenzene	105	12.501	12.501	0.000	91	721571	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.675	12.675	0.000	93	196312	20.0	20.3	
125 4-Isopropyltoluene	119	12.779	12.779	0.000	94	865708	20.0	20.7	
126 1,3-Dichlorobenzene	146	12.849	12.849	0.000	91	468360	20.0	20.0	
128 1,4-Dichlorobenzene	146	12.936	12.936	0.000	94	473835	20.0	20.0	
129 n-Butylbenzene	91	13.197	13.197	0.000	96	817387	20.0	21.1	
130 1,2-Dichlorobenzene	146	13.353	13.353	0.000	98	434168	20.0	20.1	
131 1,2-Dibromo-3-Chloropropan	157	14.206	14.206	0.000	90	42073	20.0	19.7	
132 1,2,4-Trichlorobenzene	180	15.267	15.267	0.000	93	297088	20.0	20.0	
133 Hexachlorobutadiene	225	15.441	15.441	0.000	96	159753	20.0	20.5	
134 Naphthalene	128	15.650	15.650	0.000	96	593101	20.0	19.3	
135 1,2,3-Trichlorobenzene	180	16.015	16.015	0.000	96	259426	20.0	20.0	
S 142 1,2-Dichloroethene, Total	96				0		40.0	40.0	
S 136 Trihalomethanes, Total	1				0		80.0	79.2	
S 137 Xylenes, Total (URS)	1				0		40.0	41.0	
S 138 Total BTEX	1				0			101.6	
S 139 1,3-Dichloropropene, Total	1				0		40.0	40.1	
S 140 1,2-Dichloroethene, Total	1				0		40.0	40.0	
S 141 Xylenes, Total	106				0		40.0	41.0	

QC Flag Legend

Review Flags
a - User Assigned ID

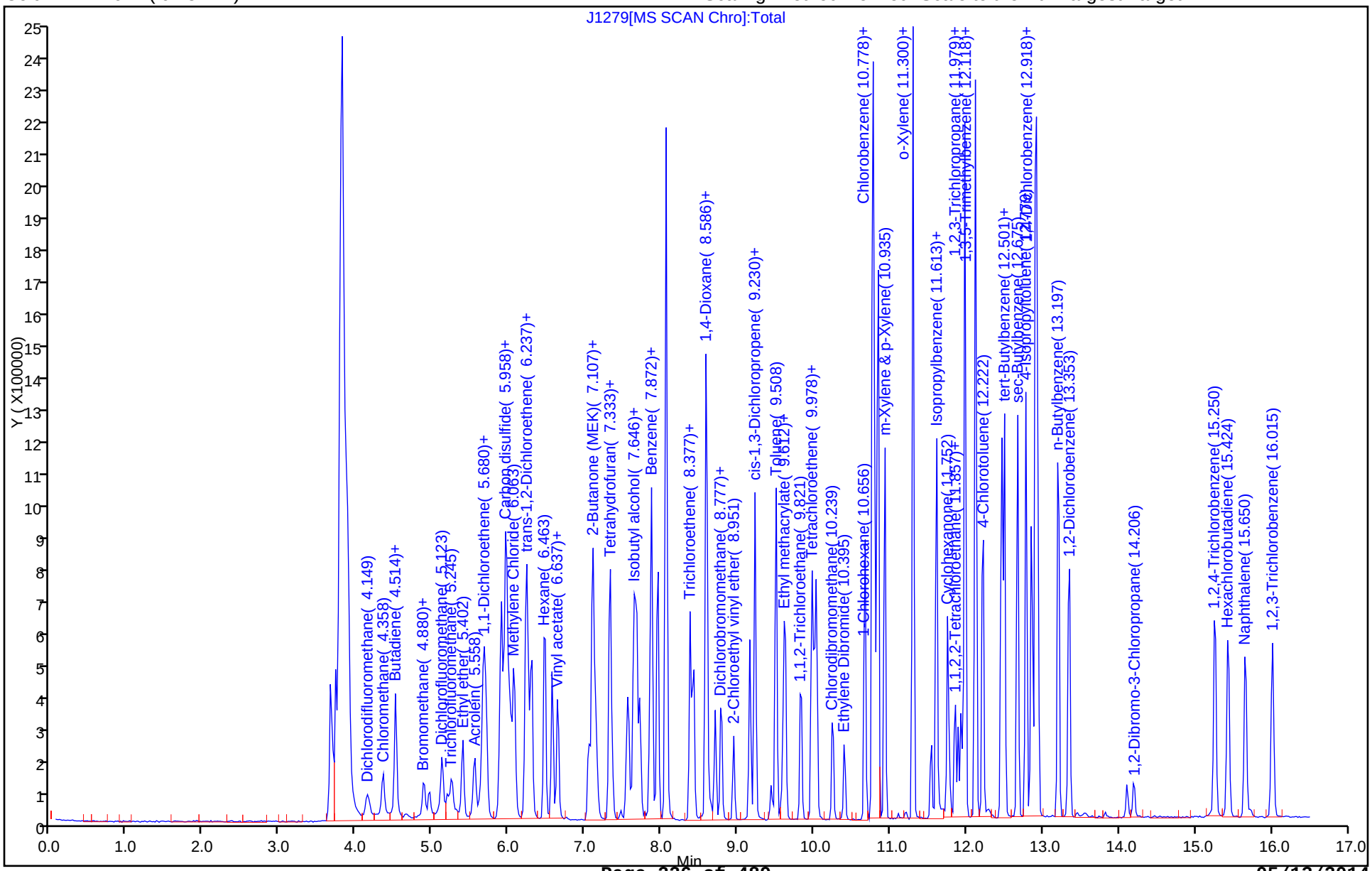
Report Date: 17-Apr-2014 16:19:57 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1279.D

Injection Date:	16-Apr-2014 20:43:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD020			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

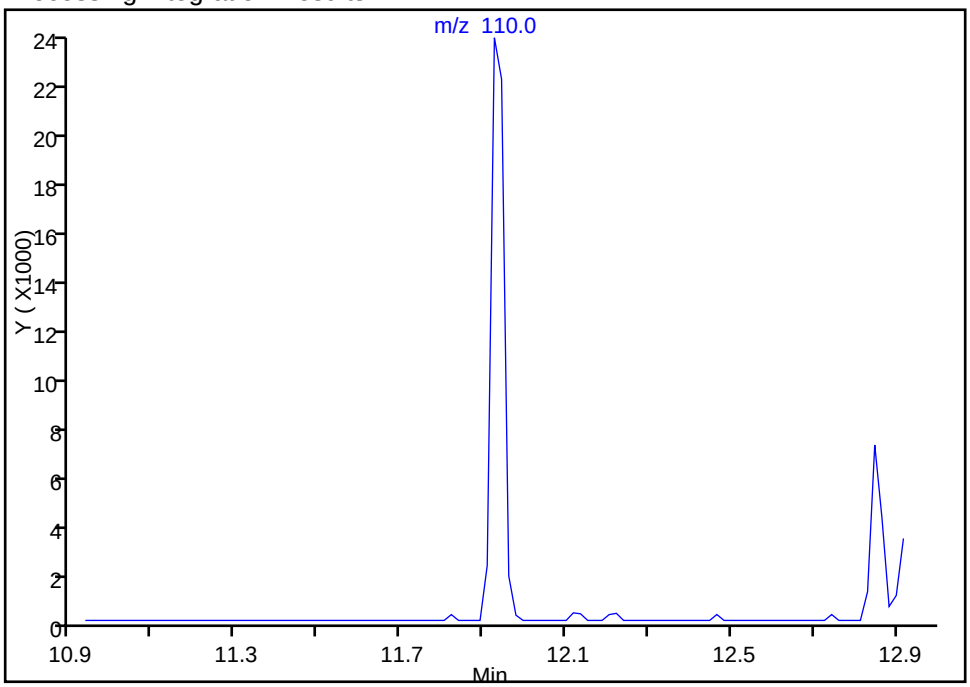
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1279.D
Injection Date: 16-Apr-2014 20:43:30 Instrument ID: VMS_J
Lims ID: STD020
Client ID:
Operator ID: DUKESA ALS Bottle#: 14 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

116 1,2,3-Trichloropropane, CAS: 96-18-4

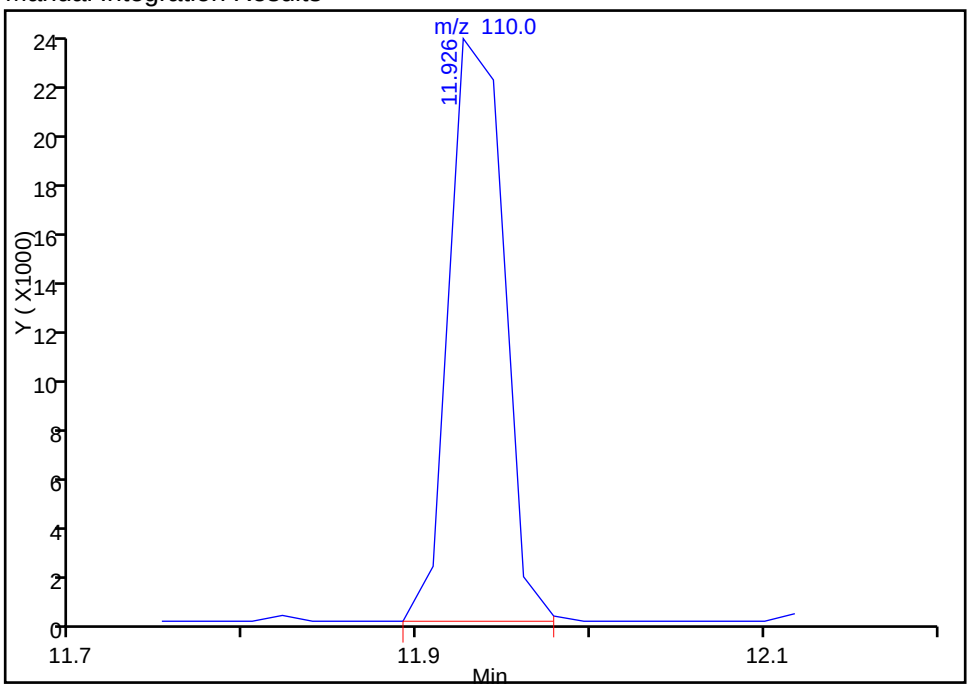
Not Detected
Expected RT: 11.93

Processing Integration Results



Manual Integration Results

RT: 11.93
Response: 51089
Amount: 19.619613



Reviewer: dukesa, 16-Apr-2014 22:19:11
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1280.D
Lims ID: STD050
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 16-Apr-2014 21:04:30 ALS Bottle#: 15 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD050
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:57 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 16-Apr-2014 23:20:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.945	5.945	0.000	89	870061	1000.0	1000.0	
* 1 Fluorobenzene	96	8.068	8.068	0.000	98	1908620	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.765	10.765	0.000	83	462530	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.000	94	736139	50.0	50.0	
25 Dichlorodifluoromethane	85	4.153	4.153	0.000	100	651207	50.0	54.9	
27 Chloromethane	50	4.362	4.362	0.000	100	612605	50.0	54.5	
28 Vinyl chloride	62	4.519	4.519	0.000	98	496739	50.0	51.7	
147 Butadiene	54	4.519	4.519	0.000	97	414155	50.0	60.3	
31 Bromomethane	94	4.901	4.901	0.000	94	288732	50.0	52.0	
32 Chloroethane	64	4.954	4.954	0.000	97	241229	50.0	53.3	
33 Dichlorofluoromethane	67	5.128	5.128	0.000	94	771353	50.0	54.4	
34 Trichlorofluoromethane	101	5.249	5.249	0.000	98	594054	50.0	53.4	
37 Ethyl ether	59	5.406	5.406	0.000	96	520657	50.0	51.4	
40 Acrolein	56	5.545	5.545	0.000	89	741338	498.7	557.6	
41 Acetone	43	5.667	5.667	0.000	99	593247	200.0	232.4	
42 1,1,2-Trichloro-1,2,2-trif	151	5.667	5.667	0.000	93	470305	50.0	54.7	
45 1,1-Dichloroethene	96	5.702	5.702	0.000	96	540132	50.0	54.0	
46 Iodomethane	142	5.893	5.893	0.000	98	1248890	50.0	55.3	
48 Methyl acetate	43	5.911	5.911	0.000	97	1972421	250.0	268.0	
49 3-Chloro-1-propene	41	5.963	5.963	0.000	85	1154339	50.0	52.3	
51 Carbon disulfide	76	5.980	5.980	0.000	98	2516487	50.0	53.7	
50 2-Methyl-2-propanol	59	6.015	6.015	0.000	95	566703	500.0	518.6	
52 Methylene Chloride	84	6.067	6.067	0.000	93	660508	50.0	53.6	
53 Acrylonitrile	53	6.224	6.224	0.000	99	1785006	500.0	552.3	
54 Methyl tert-butyl ether	73	6.258	6.258	0.000	95	1326848	50.0	53.9	
55 trans-1,2-Dichloroethene	96	6.293	6.293	0.000	94	564059	50.0	53.3	
56 Hexane	57	6.467	6.467	0.000	93	980751	50.0	50.8	
57 Vinyl acetate	43	6.572	6.572	0.000	97	1984935	100.0	107.1	
59 1,1-Dichloroethane	63	6.641	6.641	0.000	96	1124618	50.0	53.7	
63 2-Butanone (MEK)	43	7.041	7.041	0.000	97	1180228	200.0	223.7	
64 sec-Butyl Alcohol	45	7.094	7.094	0.000	98	1506175	1500.0	1664.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.111	7.111	0.000	82	606528	50.0	53.1	
67 2,2-Dichloropropane	77	7.146	7.146	0.000	90	721826	50.0	53.0	
69 Chlorobromomethane	128	7.320	7.320	0.000	93	334520	50.0	54.5	
70 Chloroform	83	7.337	7.337	0.000	94	936658	50.0	53.5	
71 Tetrahydrofuran	42	7.355	7.355	0.000	90	290447	100.0	112.0	
73 1,1,1-Trichloroethane	97	7.563	7.563	0.000	89	675663	50.0	53.1	
74 Cyclohexane	56	7.650	7.650	0.000	93	1126192	50.0	53.2	
72 Isobutyl alcohol	41	7.650	7.650	0.000	97	624080	500.0	516.7	
75 1,1-Dichloropropene	75	7.685	7.685	0.000	96	754093	50.0	52.4	
76 Carbon tetrachloride	117	7.720	7.720	0.000	80	649339	50.0	54.0	
77 1,2-Dichloroethane	62	7.859	7.859	0.000	96	637355	50.0	54.9	
79 Benzene	78	7.877	7.877	0.000	95	2265433	50.0	54.2	
14 n-Heptane	43	7.946	7.946	0.000	95	1083955	50.0	52.8	
81 Trichloroethene	130	8.381	8.381	0.000	94	640076	50.0	54.3	
82 2-Pentanone	43	8.416	8.416	0.000	97	1674290	200.0	220.3	
85 Methylcyclohexane	55	8.590	8.590	0.000	91	886062	50.0	53.9	
84 1,2-Dichloropropane	63	8.590	8.590	0.000	82	669497	50.0	52.4	
86 1,4-Dioxane	88	8.642	8.642	0.000	86	104609	1000.0	1058.4	
87 Dibromomethane	93	8.712	8.712	0.000	82	348087	50.0	53.1	
88 Dichlorobromomethane	83	8.781	8.781	0.000	94	715358	50.0	55.2	
89 2-Chloroethyl vinyl ether	63	8.955	8.955	0.000	91	335591	50.0	56.8	
91 cis-1,3-Dichloropropene	75	9.164	9.164	0.000	91	913177	50.0	55.0	
92 4-Methyl-2-pentanone (MIBK	43	9.234	9.234	0.000	92	2114533	200.0	229.3	
93 Toluene	91	9.512	9.512	0.000	91	2123553	50.0	54.6	
94 Ethyl methacrylate	69	9.599	9.599	0.000	90	643011	50.0	58.8	
95 trans-1,3-Dichloropropene	75	9.634	9.634	0.000	97	764068	50.0	55.1	
96 1,1,2-Trichloroethane	97	9.825	9.825	0.000	91	424522	50.0	54.1	
97 2-Hexanone	43	9.965	9.965	0.000	99	1549859	200.0	219.4	
98 1,3-Dichloropropane	76	9.999	9.999	0.000	93	782481	50.0	54.4	
99 Tetrachloroethene	164	10.034	10.034	0.000	98	483370	50.0	53.8	
100 Chlorodibromomethane	129	10.243	10.243	0.000	87	570365	50.0	57.7	
102 Ethylene Dibromide	107	10.400	10.400	0.000	99	479357	50.0	55.8	
103 1-Chlorohexane	91	10.678	10.678	0.000	93	792616	50.0	54.0	
104 Chlorobenzene	112	10.800	10.800	0.000	95	1497548	50.0	54.3	
106 1,1,1,2-Tetrachloroethane	131	10.835	10.835	0.000	44	530894	50.0	55.8	
105 Ethylbenzene	106	10.835	10.835	0.000	92	752434	50.0	54.7	
107 m-Xylene & p-Xylene	91	10.922	10.922	0.000	100	1868391	50.0	55.8	
109 o-Xylene	106	11.304	11.304	0.000	84	897417	50.0	55.6	
108 Styrene	104	11.304	11.304	0.000	89	1499324	50.0	57.7	
110 Bromoform	173	11.531	11.531	0.000	94	379035	50.0	59.0	
111 Isopropylbenzene	105	11.600	11.600	0.000	96	2362136	50.0	54.9	
113 Cyclohexanone	55	11.757	11.757	0.000	90	840779	2000.0	2311.3	
114 1,1,2,2-Tetrachloroethane	83	11.844	11.844	0.000	84	607764	50.0	53.7	
115 trans-1,4-Dichloro-2-buten	53	11.896	11.896	0.000	77	160562	50.0	53.0	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.000	85	142066	50.0	54.8	
117 N-Propylbenzene	120	11.983	11.983	0.000	95	672320	50.0	54.4	
118 Bromobenzene	156	11.983	11.983	0.000	51	691309	50.0	55.1	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.000	89	1886397	50.0	54.5	
120 2-Chlorotoluene	126	12.122	12.122	0.000	93	606358	50.0	54.3	
121 4-Chlorotoluene	126	12.209	12.209	0.000	99	642757	50.0	56.0	
122 tert-Butylbenzene	119	12.470	12.470	0.000	88	1969652	50.0	53.4	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.000	89	1928415	50.0	54.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.679	12.679	0.000	93	523776	50.0	54.4	
125 4-Isopropyltoluene	119	12.783	12.783	0.000	95	2272678	50.0	54.7	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.000	98	1287045	50.0	55.1	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.000	97	1283857	50.0	54.3	
129 n-Butylbenzene	91	13.201	13.201	0.000	95	2084200	50.0	54.0	
130 1,2-Dichlorobenzene	146	13.340	13.340	0.000	98	1192349	50.0	55.3	
131 1,2-Dibromo-3-Chloropropan	157	14.193	14.193	0.000	83	121622	50.0	57.3	
132 1,2,4-Trichlorobenzene	180	15.254	15.254	0.000	94	812348	50.0	54.8	
133 Hexachlorobutadiene	225	15.428	15.428	0.000	96	426691	50.0	55.0	
134 Naphthalene	128	15.654	15.654	0.000	97	1671085	50.0	54.7	
135 1,2,3-Trichlorobenzene	180	16.020	16.020	0.000	96	720231	50.0	55.7	
S 142 1,2-Dichloroethene, Total	96				0		100.0	106.3	
S 136 Trihalomethanes, Total	1				0		200.0	225.4	
S 137 Xylenes, Total (URS)	1				0		100.0	111.4	
S 138 Total BTEX	1				0			274.9	
S 139 1,3-Dichloropropene, Total	1				0		100.0	110.1	
S 140 1,2-Dichloroethene, Total	1				0		100.0	106.3	
S 141 Xylenes, Total	106				0		100.0	111.4	

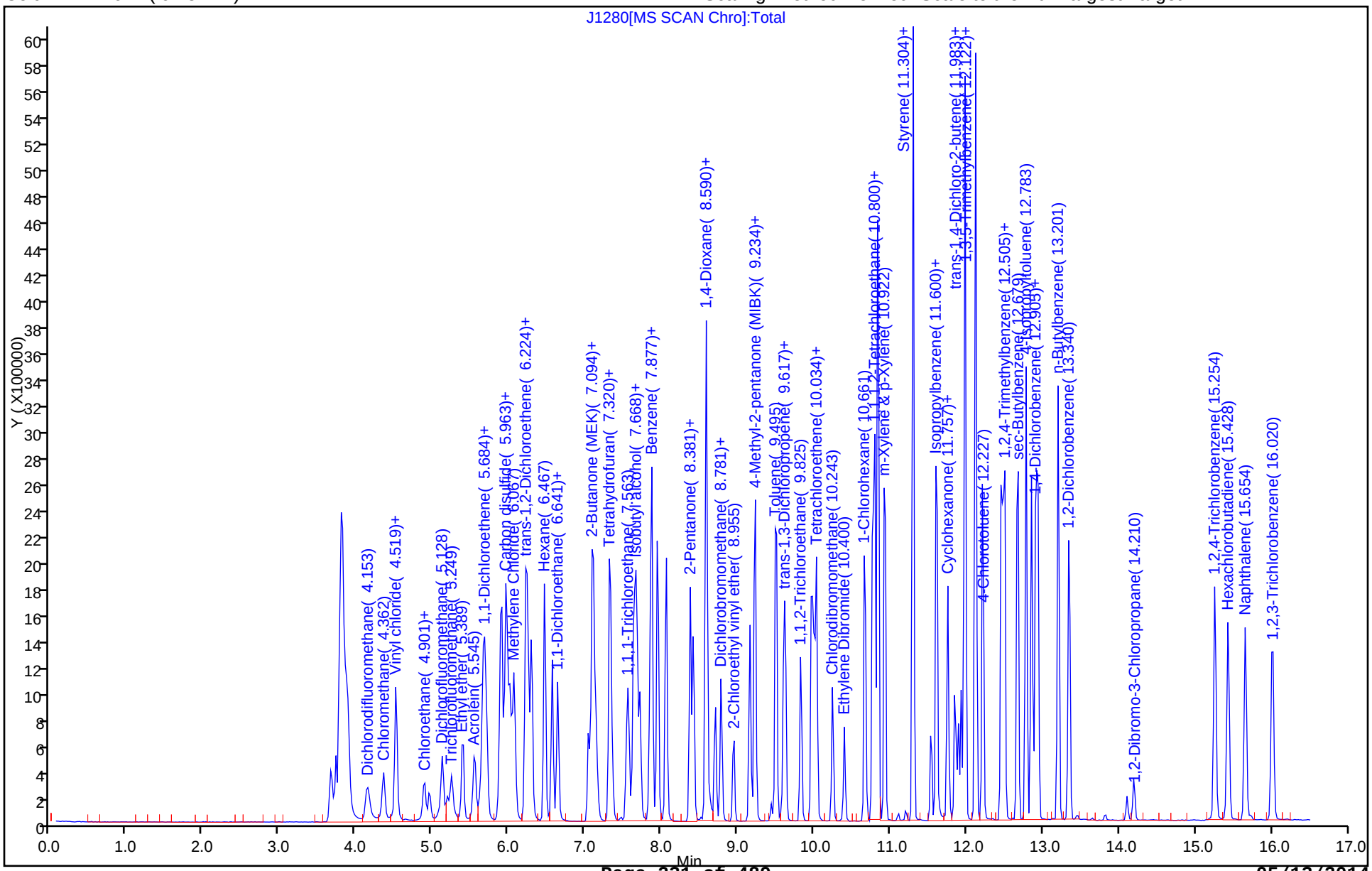
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1280.D

Injection Date:	16-Apr-2014 21:04:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD050			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1281.D
Lims ID: STD100
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 16-Apr-2014 21:25:30 ALS Bottle#: 16 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD100
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:58 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 16-Apr-2014 23:20:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	54	861650	1000.0	1000.0	
* 1 Fluorobenzene	96	8.064	8.064	0.000	98	1939665	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.778	0.000	79	476357	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.918	0.000	89	779363	50.0	50.0	
25 Dichlorodifluoromethane	85	4.149	4.149	0.000	99	1238855	100.0	101.2	
27 Chloromethane	50	4.375	4.375	0.000	100	1169262	100.0	102.4	
28 Vinyl chloride	62	4.514	4.514	0.000	99	889284	100.0	91.0	
147 Butadiene	54	4.532	4.532	0.000	83	752298	100.0	111.0	
31 Bromomethane	94	4.897	4.897	0.000	94	489570	100.0	86.7	
32 Chloroethane	64	4.967	4.967	0.000	98	429031	100.0	93.9	
33 Dichlorofluoromethane	67	5.141	5.141	0.000	93	1416800	100.0	98.3	
34 Trichlorofluoromethane	101	5.245	5.245	0.000	98	1144308	100.0	101.2	
37 Ethyl ether	59	5.402	5.402	0.000	96	986605	100.0	95.8	
40 Acrolein	56	5.558	5.558	0.000	95	1414070	997.4	1046.6	
41 Acetone	43	5.663	5.663	0.000	100	1104471	400.0	428.9	
42 1,1,2-Trichloro-1,2,2-trif	151	5.680	5.680	0.000	93	894915	100.0	102.4	
45 1,1-Dichloroethene	96	5.697	5.697	0.000	97	1014887	100.0	99.8	
46 Iodomethane	142	5.889	5.889	0.000	98	2400238	100.0	104.5	
48 Methyl acetate	43	5.906	5.906	0.000	97	3665367	500.0	490.0	
49 3-Chloro-1-propene	41	5.958	5.958	0.000	84	2169646	100.0	96.7	
51 Carbon disulfide	76	5.993	5.993	0.000	98	4732908	100.0	99.3	
50 2-Methyl-2-propanol	59	6.028	6.028	0.000	58	1069848	1000.0	988.5	
52 Methylene Chloride	84	6.063	6.063	0.000	90	1200343	100.0	99.1	
53 Acrylonitrile	53	6.219	6.219	0.000	99	3303773	1000.0	1005.9	
54 Methyl tert-butyl ether	73	6.254	6.254	0.000	96	2511010	100.0	100.5	
55 trans-1,2-Dichloroethene	96	6.306	6.306	0.000	96	1060269	100.0	98.5	
56 Hexane	57	6.463	6.463	0.000	92	1797011	100.0	90.3	
57 Vinyl acetate	43	6.567	6.567	0.000	96	3828993	200.0	203.3	
59 1,1-Dichloroethane	63	6.637	6.637	0.000	96	2070600	100.0	97.4	
63 2-Butanone (MEK)	43	7.037	7.037	0.000	98	2194490	400.0	409.3	
64 sec-Butyl Alcohol	45	7.089	7.089	0.000	99	2785983	3000.0	3108.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.107	7.107	0.000	84	1144026	100.0	98.5	
67 2,2-Dichloropropane	77	7.142	7.142	0.000	88	1346580	100.0	97.3	
69 Chlorobromomethane	128	7.316	7.316	0.000	92	649314	100.0	104.0	
70 Chloroform	83	7.333	7.333	0.000	94	1795934	100.0	100.8	
71 Tetrahydrofuran	42	7.350	7.350	0.000	90	547119	200.0	207.6	
73 1,1,1-Trichloroethane	97	7.559	7.559	0.000	93	1278561	100.0	98.8	
74 Cyclohexane	56	7.646	7.646	0.000	93	2074850	100.0	96.4	
72 Isobutyl alcohol	41	7.646	7.646	0.000	98	1099669	1000.0	919.4	
75 1,1-Dichloropropene	75	7.681	7.681	0.000	95	1413664	100.0	96.6	
76 Carbon tetrachloride	117	7.716	7.716	0.000	79	1249867	100.0	102.2	
77 1,2-Dichloroethane	62	7.855	7.855	0.000	96	1205353	100.0	102.1	
79 Benzene	78	7.872	7.872	0.000	96	4313656	100.0	101.5	
14 n-Heptane	43	7.959	7.959	0.000	93	1969280	100.0	94.5	
81 Trichloroethene	130	8.377	8.377	0.000	95	1223199	100.0	102.2	
82 2-Pentanone	43	8.429	8.429	0.000	99	3128487	400.0	405.0	
85 Methylcyclohexane	55	8.586	8.586	0.000	92	1638012	100.0	98.1	
84 1,2-Dichloropropane	63	8.586	8.586	0.000	93	1239402	100.0	95.5	
86 1,4-Dioxane	88	8.638	8.638	0.000	86	202309	2000.0	2014.1	
87 Dibromomethane	93	8.708	8.708	0.000	85	684330	100.0	102.7	
88 Dichlorobromomethane	83	8.777	8.777	0.000	95	1399249	100.0	106.2	
89 2-Chloroethyl vinyl ether	63	8.951	8.951	0.000	91	661447	100.0	110.2	
91 cis-1,3-Dichloropropene	75	9.160	9.160	0.000	91	1769541	100.0	103.5	
92 4-Methyl-2-pentanone (MIBK	43	9.230	9.230	0.000	95	3994165	400.0	426.2	
93 Toluene	91	9.508	9.508	0.000	92	3967047	100.0	100.4	
94 Ethyl methacrylate	69	9.612	9.612	0.000	89	1202849	100.0	106.9	
95 trans-1,3-Dichloropropene	75	9.630	9.630	0.000	92	1447330	100.0	102.7	
96 1,1,2-Trichloroethane	97	9.821	9.821	0.000	91	810813	100.0	101.6	
97 2-Hexanone	43	9.978	9.978	0.000	97	2873644	400.0	395.1	
98 1,3-Dichloropropane	76	10.013	10.013	0.000	89	1473666	100.0	99.4	
99 Tetrachloroethene	164	10.030	10.030	0.000	96	927389	100.0	100.1	
100 Chlorodibromomethane	129	10.239	10.239	0.000	87	1121256	100.0	110.2	
102 Ethylene Dibromide	107	10.395	10.395	0.000	100	929145	100.0	105.1	
103 1-Chlorohexane	91	10.674	10.674	0.000	97	1467107	100.0	97.1	
104 Chlorobenzene	112	10.796	10.796	0.000	92	2836583	100.0	99.8	
106 1,1,1,2-Tetrachloroethane	131	10.848	10.848	0.000	43	1027444	100.0	104.9	
105 Ethylbenzene	106	10.848	10.848	0.000	97	1400653	100.0	98.8	
107 m-Xylene & p-Xylene	91	10.935	10.935	0.000	100	3479392	100.0	100.9	
109 o-Xylene	106	11.300	11.300	0.000	85	1679549	100.0	101.1	
108 Styrene	104	11.300	11.300	0.000	87	2802587	100.0	104.8	
110 Bromoform	173	11.544	11.544	0.000	97	769042	100.0	116.3	
111 Isopropylbenzene	105	11.613	11.613	0.000	95	4547692	100.0	99.8	
113 Cyclohexanone	55	11.752	11.752	0.000	91	1619398	4000.0	4322.6	
114 1,1,2,2-Tetrachloroethane	83	11.857	11.857	0.000	83	1188963	100.0	99.2	
115 trans-1,4-Dichloro-2-buten	53	11.892	11.892	0.000	79	304826	100.0	95.0	
116 1,2,3-Trichloropropane	110	11.926	11.926	0.000	58	276851	100.0	100.8	a
117 N-Propylbenzene	120	11.979	11.979	0.000	94	1291055	100.0	98.6	
118 Bromobenzene	156	11.979	11.979	0.000	61	1360701	100.0	102.5	
119 1,3,5-Trimethylbenzene	105	12.118	12.118	0.000	89	3615621	100.0	98.7	
120 2-Chlorotoluene	126	12.135	12.135	0.000	98	1160301	100.0	98.2	
121 4-Chlorotoluene	126	12.222	12.222	0.000	96	1232922	100.0	101.5	
122 tert-Butylbenzene	119	12.466	12.466	0.000	88	3837262	100.0	98.3	
123 1,2,4-Trimethylbenzene	105	12.501	12.501	0.000	90	3812223	100.0	101.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.675	12.675	0.000	93	1018718	100.0	99.9	
125 4-Isopropyltoluene	119	12.779	12.779	0.000	94	4405058	100.0	100.1	
126 1,3-Dichlorobenzene	146	12.849	12.849	0.000	97	2554591	100.0	103.3	
128 1,4-Dichlorobenzene	146	12.936	12.936	0.000	96	2539709	100.0	101.5	
129 n-Butylbenzene	91	13.197	13.197	0.000	96	4034363	100.0	98.7	
130 1,2-Dichlorobenzene	146	13.353	13.353	0.000	98	2365846	100.0	103.7	
131 1,2-Dibromo-3-Chloropropan	157	14.206	14.206	0.000	95	244289	100.0	108.7	
132 1,2,4-Trichlorobenzene	180	15.267	15.267	0.000	93	1667712	100.0	106.4	
133 Hexachlorobutadiene	225	15.441	15.441	0.000	96	874615	100.0	106.5	
134 Naphthalene	128	15.650	15.650	0.000	97	3480690	100.0	107.6	
135 1,2,3-Trichlorobenzene	180	16.015	16.015	0.000	96	1503541	100.0	109.9	
S 142 1,2-Dichloroethene, Total	96				0		200.0	197.0	
S 136 Trihalomethanes, Total	1				0		400.0	433.5	
S 137 Xylenes, Total (URS)	1				0		200.0	201.9	
S 138 Total BTEX	1				0			502.7	
S 139 1,3-Dichloropropene, Total	1				0		200.0	206.2	
S 140 1,2-Dichloroethene, Total	1				0		200.0	197.0	
S 141 Xylenes, Total	106				0		200.0	201.9	

QC Flag Legend

Review Flags
a - User Assigned ID

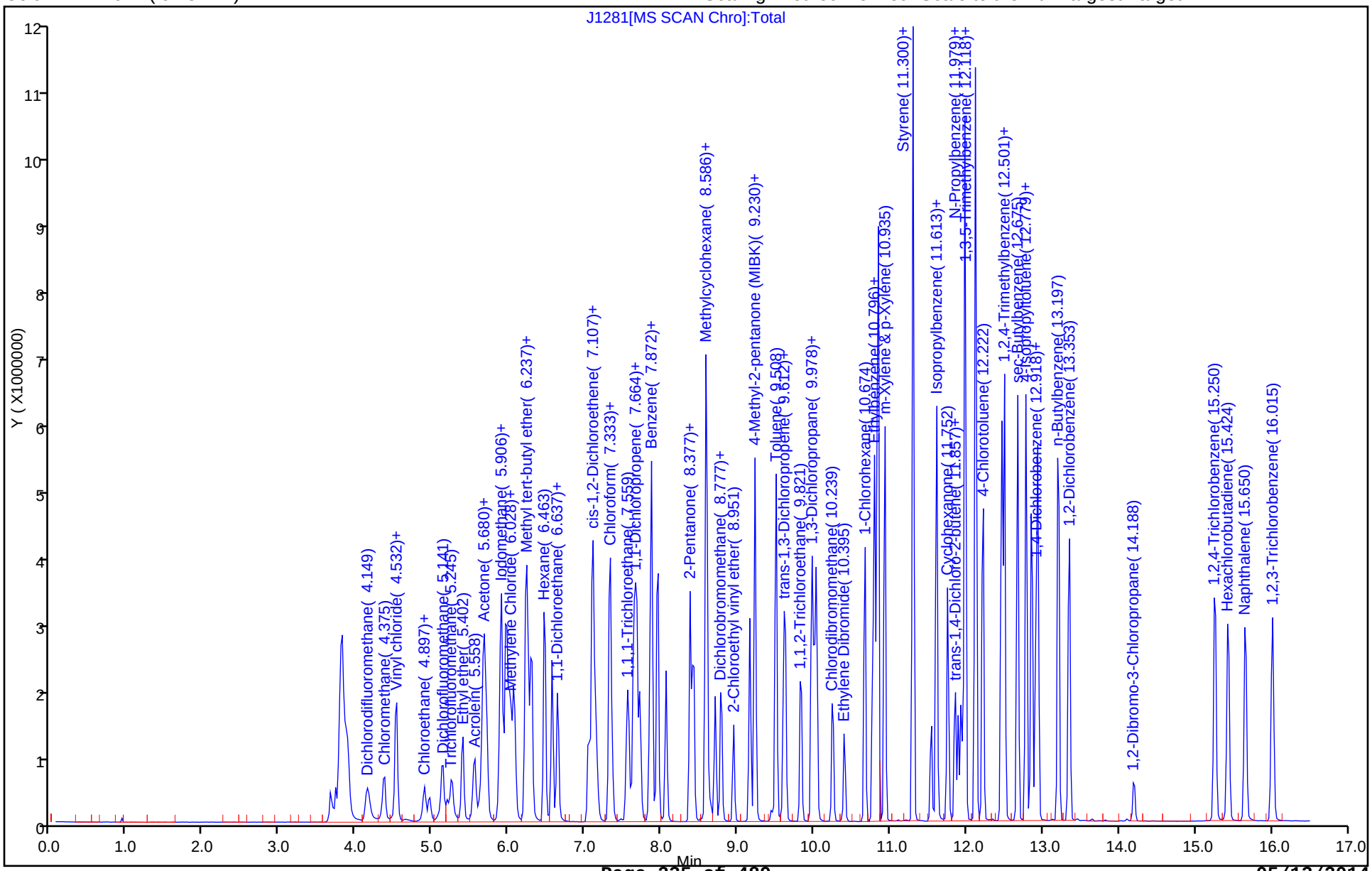
Report Date: 17-Apr-2014 16:19:58 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1281.D

Injection Date:	16-Apr-2014 21:25:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD100			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

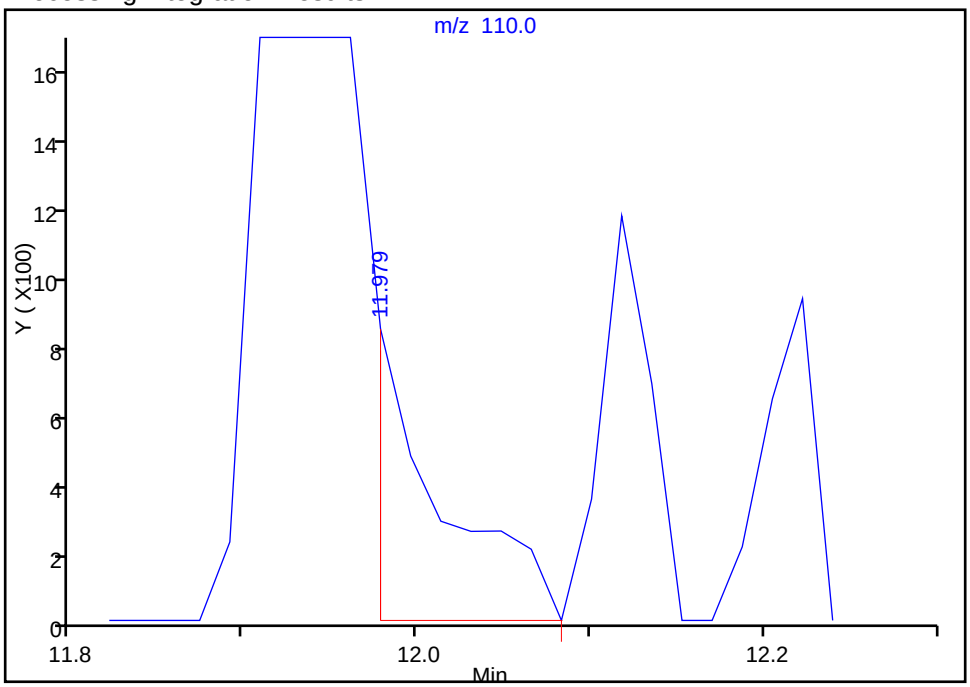
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1281.D
Injection Date: 16-Apr-2014 21:25:30 Instrument ID: VMS_J
Lims ID: STD100
Client ID:
Operator ID: DUKESA ALS Bottle#: 16 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

116 1,2,3-Trichloropropane, CAS: 96-18-4

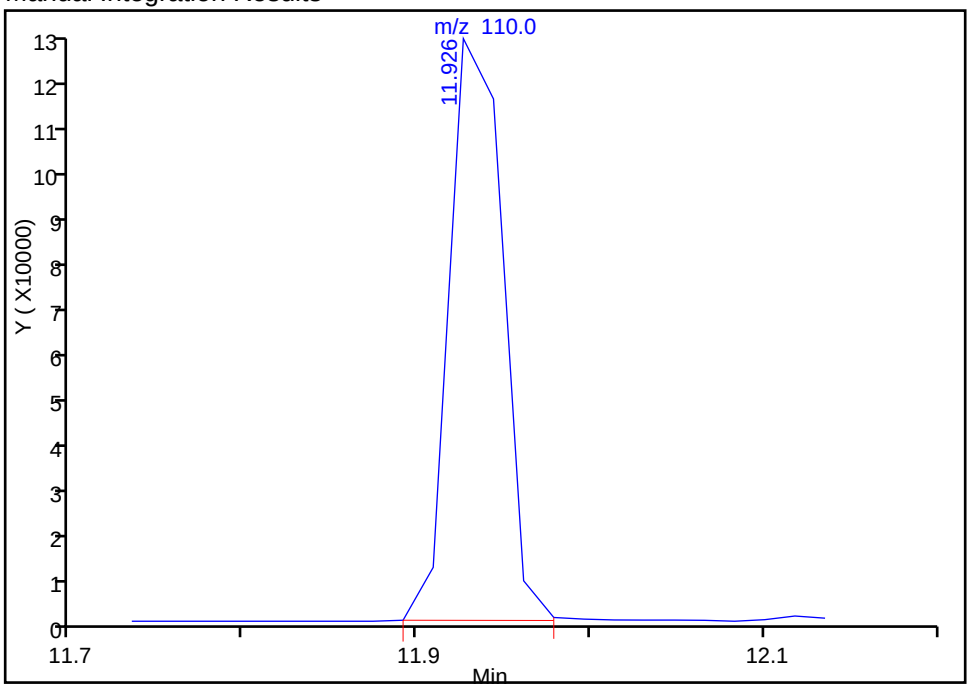
Processing Integration Results

RT: 11.98
Response: 2396
Amount: 0.996824



Manual Integration Results

RT: 11.93
Response: 276851
Amount: 100.7939



Reviewer: dukesa, 16-Apr-2014 23:20:48
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1282.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 16-Apr-2014 21:46:30 ALS Bottle#: 17 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:59 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	58	759516	1000.0	1000.0	
* 1 Fluorobenzene	96	8.062	8.062	0.000	98	1912001	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	75	497708	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	90	770850	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	98	2401156	200.0	197.0	
27 Chloromethane	50	4.374	4.374	0.000	100	2372544	200.0	210.7	
28 Vinyl chloride	62	4.513	4.513	0.000	99	1575451	200.0	163.5	
147 Butadiene	54	4.530	4.530	0.000	90	1265557	200.0	192.3	
31 Bromomethane	94	4.896	4.896	0.000	95	730541	200.0	131.3	
32 Chloroethane	64	4.965	4.965	0.000	97	585706	200.0	130.4	
33 Dichlorofluoromethane	67	5.139	5.139	0.000	94	2421239	200.0	170.4	
34 Trichlorofluoromethane	101	5.244	5.244	0.000	98	2178275	200.0	195.5	
37 Ethyl ether	59	5.400	5.400	0.000	95	1819938	200.0	179.3	
40 Acrolein	56	5.557	5.557	0.000	89	2492319	1994.8	1871.4	
41 Acetone	43	5.661	5.661	0.000	100	1872237	800.0	740.3	
42 1,1,2-Trichloro-1,2,2-trif	151	5.679	5.679	0.000	91	1698855	200.0	197.3	
45 1,1-Dichloroethene	96	5.696	5.696	0.000	97	1891350	200.0	188.6	
46 Iodomethane	142	5.888	5.888	0.000	98	4587161	200.0	202.7	
48 Methyl acetate	43	5.905	5.905	0.000	90	6301138	1000.0	854.6	
49 3-Chloro-1-propene	41	5.957	5.957	0.000	82	3901914	200.0	176.4	
51 Carbon disulfide	76	6.009	6.009	0.000	98	8967659	200.0	190.9	
50 2-Methyl-2-propanol	59	6.027	6.027	0.000	55	1964090	2000.0	2058.9	
52 Methylene Chloride	84	6.062	6.062	0.000	90	2266685	200.0	193.4	
53 Acrylonitrile	53	6.218	6.218	0.000	99	5811863	2000.0	1795.2	
54 Methyl tert-butyl ether	73	6.253	6.253	0.000	90	4701545	200.0	190.8	
55 trans-1,2-Dichloroethene	96	6.305	6.305	0.000	98	1980318	200.0	186.7	
56 Hexane	57	6.462	6.462	0.000	92	3247398	200.0	156.2	
57 Vinyl acetate	43	6.566	6.566	0.000	96	6988596	400.0	376.4	
59 1,1-Dichloroethane	63	6.636	6.636	0.000	96	3844857	200.0	183.4	
63 2-Butanone (MEK)	43	7.053	7.053	0.000	100	3839814	800.0	726.5	
64 sec-Butyl Alcohol	45	7.088	7.088	0.000	98	4759888	6000.0	6024.3	
65 cis-1,2-Dichloroethene	96	7.106	7.106	0.000	84	2070635	200.0	180.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
67 2,2-Dichloropropane	77	7.140	7.140	0.000	88	2548473	200.0	186.7	
69 Chlorobromomethane	128	7.314	7.314	0.000	93	1202533	200.0	195.5	
70 Chloroform	83	7.332	7.332	0.000	94	3322926	200.0	189.3	
71 Tetrahydrofuran	42	7.349	7.349	0.000	88	962605	400.0	370.5	
73 1,1,1-Trichloroethane	97	7.558	7.558	0.000	93	2450747	200.0	192.2	
74 Cyclohexane	56	7.645	7.645	0.000	92	3859429	200.0	181.9	
72 Isobutyl alcohol	41	7.645	7.645	0.000	97	2042724	2000.0	1937.6	
75 1,1-Dichloropropene	75	7.680	7.680	0.000	95	2580720	200.0	179.0	
76 Carbon tetrachloride	117	7.714	7.714	0.000	77	2430603	200.0	201.7	
77 1,2-Dichloroethane	62	7.854	7.854	0.000	96	2246210	200.0	193.0	
79 Benzene	78	7.871	7.871	0.000	96	7877901	200.0	188.1	
14 n-Heptane	43	7.958	7.958	0.000	92	3570128	200.0	173.7	
81 Trichloroethene	130	8.376	8.376	0.000	95	2318643	200.0	196.5	
82 2-Pentanone	43	8.428	8.428	0.000	99	5529730	800.0	726.3	
85 Methylcyclohexane	55	8.584	8.584	0.000	91	2904416	200.0	176.5	
84 1,2-Dichloropropane	63	8.584	8.584	0.000	93	2201888	200.0	172.2	
86 1,4-Dioxane	88	8.654	8.654	0.000	81	385520	4000.0	3893.7	
87 Dibromomethane	93	8.706	8.706	0.000	84	1290059	200.0	196.5	
88 Dichlorobromomethane	83	8.793	8.793	0.000	94	2685376	200.0	206.8	
89 2-Chloroethyl vinyl ether	63	8.950	8.950	0.000	91	1216112	200.0	205.6	
91 cis-1,3-Dichloropropene	75	9.159	9.159	0.000	91	3344882	200.0	187.3	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	96	6893429	800.0	746.2	
93 Toluene	91	9.507	9.507	0.000	91	7369804	200.0	189.3	
94 Ethyl methacrylate	69	9.611	9.611	0.000	88	2149084	200.0	182.8	
95 trans-1,3-Dichloropropene	75	9.628	9.628	0.000	98	2655046	200.0	191.1	
96 1,1,2-Trichloroethane	97	9.837	9.837	0.000	90	1533139	200.0	194.9	
97 2-Hexanone	43	9.976	9.976	0.000	96	5009331	800.0	659.2	
98 1,3-Dichloropropane	76	10.011	10.011	0.000	97	2652435	200.0	171.3	
99 Tetrachloroethene	164	10.029	10.029	0.000	97	1748647	200.0	180.7	
100 Chlorodibromomethane	129	10.255	10.255	0.000	86	2173421	200.0	204.4	
102 Ethylene Dibromide	107	10.394	10.394	0.000	100	1775384	200.0	192.2	
103 1-Chlorohexane	91	10.672	10.672	0.000	96	2703774	200.0	171.3	
104 Chlorobenzene	112	10.794	10.794	0.000	93	5445472	200.0	183.4	
106 1,1,1,2-Tetrachloroethane	131	10.846	10.846	0.000	43	1908558	200.0	186.5	
105 Ethylbenzene	106	10.846	10.846	0.000	96	2516931	200.0	170.0	
107 m-Xylene & p-Xylene	91	10.933	10.933	0.000	100	6424628	200.0	178.3	
109 o-Xylene	106	11.299	11.299	0.000	85	2905605	200.0	167.3	
108 Styrene	104	11.299	11.299	0.000	87	4847864	200.0	173.4	
110 Bromoform	173	11.542	11.542	0.000	97	1507431	200.0	218.2	
111 Isopropylbenzene	105	11.612	11.612	0.000	95	8391540	200.0	186.1	
113 Cyclohexanone	55	11.751	11.751	0.000	90	2926583	8000.0	7476.6	
114 1,1,2,2-Tetrachloroethane	83	11.856	11.856	0.000	80	2241590	200.0	189.2	
115 trans-1,4-Dichloro-2-buten	53	11.890	11.890	0.000	78	563776	200.0	177.7	
116 1,2,3-Trichloropropane	110	11.943	11.943	0.000	78	522004	200.0	192.1	
117 N-Propylbenzene	120	11.977	11.977	0.000	94	2279547	200.0	176.0	
118 Bromobenzene	156	11.977	11.977	0.000	63	2506813	200.0	190.8	
119 1,3,5-Trimethylbenzene	105	12.117	12.117	0.000	92	6385435	200.0	176.2	
120 2-Chlorotoluene	126	12.134	12.134	0.000	98	2085263	200.0	178.4	
121 4-Chlorotoluene	126	12.221	12.221	0.000	96	2280840	200.0	189.8	
122 tert-Butylbenzene	119	12.465	12.465	0.000	88	7079369	200.0	183.3	
123 1,2,4-Trimethylbenzene	105	12.499	12.499	0.000	90	6789191	200.0	182.6	
124 sec-Butylbenzene	134	12.673	12.673	0.000	93	1839591	200.0	182.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
125 4-Isopropyltoluene	119	12.778	12.778	0.000	95	8019116	200.0	184.2	
126 1,3-Dichlorobenzene	146	12.865	12.865	0.000	97	4698407	200.0	192.1	
128 1,4-Dichlorobenzene	146	12.934	12.934	0.000	97	4725107	200.0	190.9	
129 n-Butylbenzene	91	13.213	13.213	0.000	95	7183926	200.0	177.7	
130 1,2-Dichlorobenzene	146	13.352	13.352	0.000	98	4486292	200.0	198.7	
131 1,2-Dibromo-3-Chloropropan	157	14.205	14.205	0.000	94	479526	200.0	215.7	
132 1,2,4-Trichlorobenzene	180	15.266	15.266	0.000	93	3184460	200.0	205.3	
133 Hexachlorobutadiene	225	15.440	15.440	0.000	96	1657950	200.0	204.1	
134 Naphthalene	128	15.666	15.666	0.000	96	6664776	200.0	208.4	
135 1,2,3-Trichlorobenzene	180	16.014	16.014	0.000	96	2881036	200.0	212.9	
S 142 1,2-Dichloroethene, Total	96				0		400.0	367.6	
S 136 Trihalomethanes, Total	1				0		800.0	818.7	
S 137 Xylenes, Total (URS)	1				0		400.0	345.6	
S 138 Total BTEX	1				0			892.9	
S 139 1,3-Dichloropropene, Total	1				0		400.0	378.3	
S 140 1,2-Dichloroethene, Total	1				0		400.0	367.6	
S 141 Xylenes, Total	106				0		400.0	345.6	

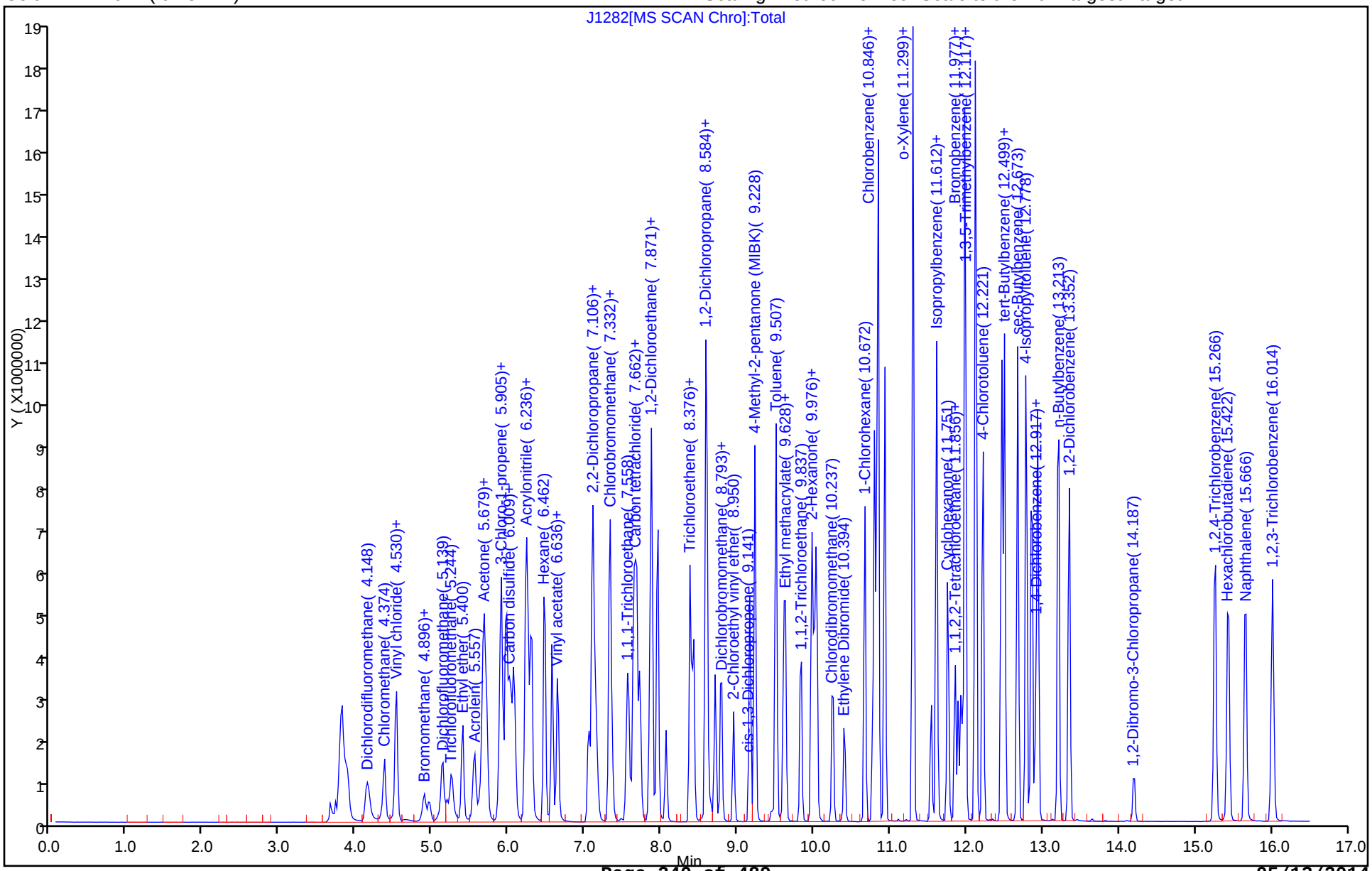
Report Date: 17-Apr-2014 16:19:59 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1282.D

Injection Date:	16-Apr-2014 21:46:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD200			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 22:50 Calibration End Date: 04/17/2014 01:19 Calibration ID: 17924

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD001 280-221523/11	J1285.D
Level 2	STD002 280-221523/12	J1286.D
Level 3	STD005 280-221523/13	J1287.D
Level 4	STD010 280-221523/14	J1288.D
Level 5	STD020 280-221523/15	J1289.D
Level 6	ICIS 280-221523/16	J1290.D
Level 7	STD100 280-221523/17	J1291.D
Level 8	STD200 280-221523/18	J1292.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	0.1250	0.0897 0.0959	0.0931 0.0930	0.0979	0.0972	Ave		0.0988				12.0		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5128 0.6080	0.4816 0.4763	0.4485 0.4824	0.4596	0.4382	Ave		0.4884				11.0		15.0			
Propene oxide	0.0568	0.0474 0.0412	0.0463 0.0352	0.0457	0.0435	Ave		0.0452				15.0		15.0			
Isopropyl alcohol	0.7724 1.0201	0.8753 0.8122	0.7796 0.8721	0.7890	0.7426	Ave		0.8329				11.0		15.0			
Acetonitrile	0.0419 0.0372	0.0318 0.0296	0.0291 0.0293	0.0288	0.0264	Lin1	0.0695	0.0301							0.9910		0.9900
Isopropyl ether	0.1968 0.2305	0.1848 0.1853	0.1726 0.1937	0.1765	0.1701	Ave		0.1888				10.0		15.0			
2-Chloro-1,3-butadiene	0.4578 0.4575	0.3435 0.3587	0.3439 0.3692	0.3504	0.3353	Ave		0.3770				13.0		15.0			
Tert-butyl ethyl ether	0.8173 1.0289	0.8063 0.8122	0.7692 0.8318	0.7715	0.7506	Ave		0.8235				11.0		15.0			
Ethyl acetate	0.1990	0.1622 0.1600	0.1590 0.1584	0.1487	0.1458	Ave		0.1619				11.0		15.0			
Propionitrile	0.0400 0.0400	0.0351 0.0318	0.0321 0.0311	0.0300	0.0297	Ave		0.0337				12.0		15.0			
Methacrylonitrile	0.1442 0.1675	0.1359 0.1253	0.1354 0.1128	0.1335	0.1288	Ave		0.1354				12.0		15.0			
Tert-amyl methyl ether	0.6898 0.8374	0.6708 0.6671	0.6111 0.6837	0.6272	0.6050	Ave		0.6740				11.0		15.0			
Methyl methacrylate	0.0697	0.0519 0.0545	0.0512 0.0538	0.0508	0.0501	Ave		0.0546				13.0		15.0			
2-Nitropropane	0.0767 0.0560	0.0451 0.0454	0.0392 0.0455	0.0376	0.0373	Lin	0.0465	0.0457							0.9960		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 22:50 Calibration End Date: 04/17/2014 01:19 Calibration ID: 17924

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
cis-1,4-Dichloro-2-butene	0.2334 0.2524	0.2437 0.2062	0.1914 0.2009	0.1892	0.1839	Ave		0.2126				13.0		15.0			
Dibromofluoromethane (Surr)	0.3731	0.2875	0.3013 0.2957	0.2912	0.2743	Ave		0.3038				12.0		15.0			
1,2-Dichloroethane-d4 (Surr)	0.3335	0.2594	0.2757 0.2582	0.2600	0.2465	Ave		0.2722				12.0		15.0			
Toluene-d8 (Surr)	4.5583	3.5795	3.4028	3.7124	3.5609	Ave		3.7628				12.0		15.0			
4-Bromofluorobenzene (Surr)	1.0219	0.8692	1.0287 0.8582	0.8537	0.8615	Ave		0.9155				9.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 22:50 Calibration End Date: 04/17/2014 01:19 Calibration ID: 17924

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD001 280-221523/11	J1285.D
Level 2	STD002 280-221523/12	J1286.D
Level 3	STD005 280-221523/13	J1287.D
Level 4	STD010 280-221523/14	J1288.D
Level 5	STD020 280-221523/15	J1289.D
Level 6	ICIS 280-221523/16	J1290.D
Level 7	STD100 280-221523/17	J1291.D
Level 8	STD200 280-221523/18	J1292.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	TBA	Ave	217492	8422 419262	21897 688038	42519	85140	2500	100 5000	250 10000	500	1000
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	19382 945148	37292 1840860	88721 3406254	177317	346452	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Propene oxide	FB	Ave	4416363	183526 7960146	458303 12442642	880925	1720221	2500	100 5000	250 10000	500	1000
Isopropyl alcohol	TBA	Ave	7055 355108	16427 710339	36677 1290862	68560	130071	10.0 500	20.0 1000	50.0 2000	100	200
Acetonitrile	FB	Lin1	15854 577963	24612 1142471	57584 2069414	111084	208821	10.0 500	20.0 1000	50.0 2000	100	200
Isopropyl ether	FB	Ave	7438 358278	14311 716178	34146 1367403	68082	134470	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	17302 711118	26604 1386622	68043 2606697	135171	265066	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	30890 1599279	62441 3139472	152165 5872658	297643	593456	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl acetate	FB	Ave	618618	25129 1236994	62907 2237201	114754	230484	100	4.00 200	10.0 400	20.0	40.0
Propionitrile	FB	Ave	15117 621214	27217 1230756	63487 2192727	115620	234562	10.0 500	20.0 1000	50.0 2000	100	200
Methacrylonitrile	FB	Ave	54517 2604074	105236 4842016	267939 7963890	514926	1018301	10.0 500	20.0 1000	50.0 2000	100	200
Tert-amyl methyl ether	FB	Ave	26070 1301717	51946 2578442	120888 4827023	241945	478348	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl methacrylate	FB	Ave	216634	8035 421533	20271 759161	39188	79256	100	4.00 200	10.0 400	20.0	40.0
2-Nitropropane	FB	Lin	5795 174160	6989 350800	15501 641980	29016	58945	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,4-Dichloro-2-butene	DCB	Ave	3208 142849	6877 296693	13728 550537	26403	53171	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221523

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/16/2014 22:50 Calibration End Date: 04/17/2014 01:19 Calibration ID: 17924

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	579938	1111092	59617 2087646	112330	216830	50.0	100	5.00 200	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	518454	1002615	54536 1822928	100311	194896	50.0	100	5.00 200	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	1696095	3341987	5931998	335473	666891	50.0	100	200	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Ave	578399	1250593	73791 2351475	119108	249122	50.0	100	5.00 200	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1285.D
Lims ID: STD001
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 16-Apr-2014 22:50:30 ALS Bottle#: 20 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD001
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:59 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.000	76	913381	1000.0	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.000	98	1889757	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.779	10.779	0.000	80	446158	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.919	12.919	0.000	92	687337	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.473	7.473	0.000	52	17681	1.00	1.54	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.786	7.786	0.000	95	19422	1.00	1.89	
$ 7 Toluene-d8 (Surr)	98	9.439	9.439	0.000	92	60162	1.00	1.79	
$ 8 4-Bromofluorobenzene (Surr	95	11.788	11.788	0.000	88	26379	1.00	2.10	
24 Chlorotrifluoroethene	116	4.098	4.098	0.000	68	4272	1.00	2.99	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.307	4.307	0.000	75	6537	1.00	2.32	
29 2-Chloro-1,1,1-Trifluoroet	118	4.550	4.550	0.000	23	8084	1.00	1.08	
30 Ethylene oxide	43	4.846	4.846	0.000	100	60270	200.0	232.1	
35 Ethanol	45	5.246	5.246	0.000	83	5665	50.0	62.8	
36 1,2-Dichloro-1,1,2-trifluo	117	5.385	5.385	0.000	76	10803	1.00	1.05	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.438	5.438	0.000	77	19382	1.00	1.05	
39 Propene oxide	58	5.507	5.507	0.000	96	91019	50.0	53.3	
44 Isopropyl alcohol	45	5.681	5.681	0.000	88	7055	10.0	9.27	
47 Acetonitrile	41	5.925	5.925	0.000	98	15854	10.0	11.6	
58 Isopropyl ether	87	6.586	6.586	0.000	97	7438	1.00	1.04	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.000	82	17302	1.00	1.21	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.000	97	30890	1.00	0.99	
62 Ethyl acetate	43	7.038	7.038	0.000	96	17210	2.00	2.81	
66 Propionitrile	54	7.108	7.108	0.000	90	15117	10.0	11.9	
68 Methacrylonitrile	41	7.247	7.247	0.000	93	54517	10.0	10.7	
78 Tert-amyl methyl ether	73	7.856	7.856	0.000	93	26070	1.00	1.02	
80 n-Butanol	56	8.065	8.065	0.000	35	19285	25.0	34.9	
148 Ethyl acrylate	55	8.308	8.308	0.000	0	11492	1.00	0.9835	
83 Methyl methacrylate	100		8.533						
90 2-Nitropropane	41	8.952	8.952	0.000	94	5795	2.00	2.34	
144 n-Butyl acetate	43	10.031	10.031	0.000	94	92420	1.00	3.30	
101 Tetrahydrothiophene	60	10.292	10.292	0.000	50	8658	1.00	1.21	
112 cis-1,4-Dichloro-2-butene	53	11.632	11.632	0.000	44	3208	1.00	1.10	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
127 1,2,3-Trimethylbenzene	105	12.937	12.937	0.000	67	34349	1.00	1.04	
146 Benzyl chloride	126	13.041	13.041	0.000	93	3294	1.00	1.03	
16 1,3,5-Trichlorobenzene	180	14.450	14.450	0.000	91	15196	1.00	1.03	

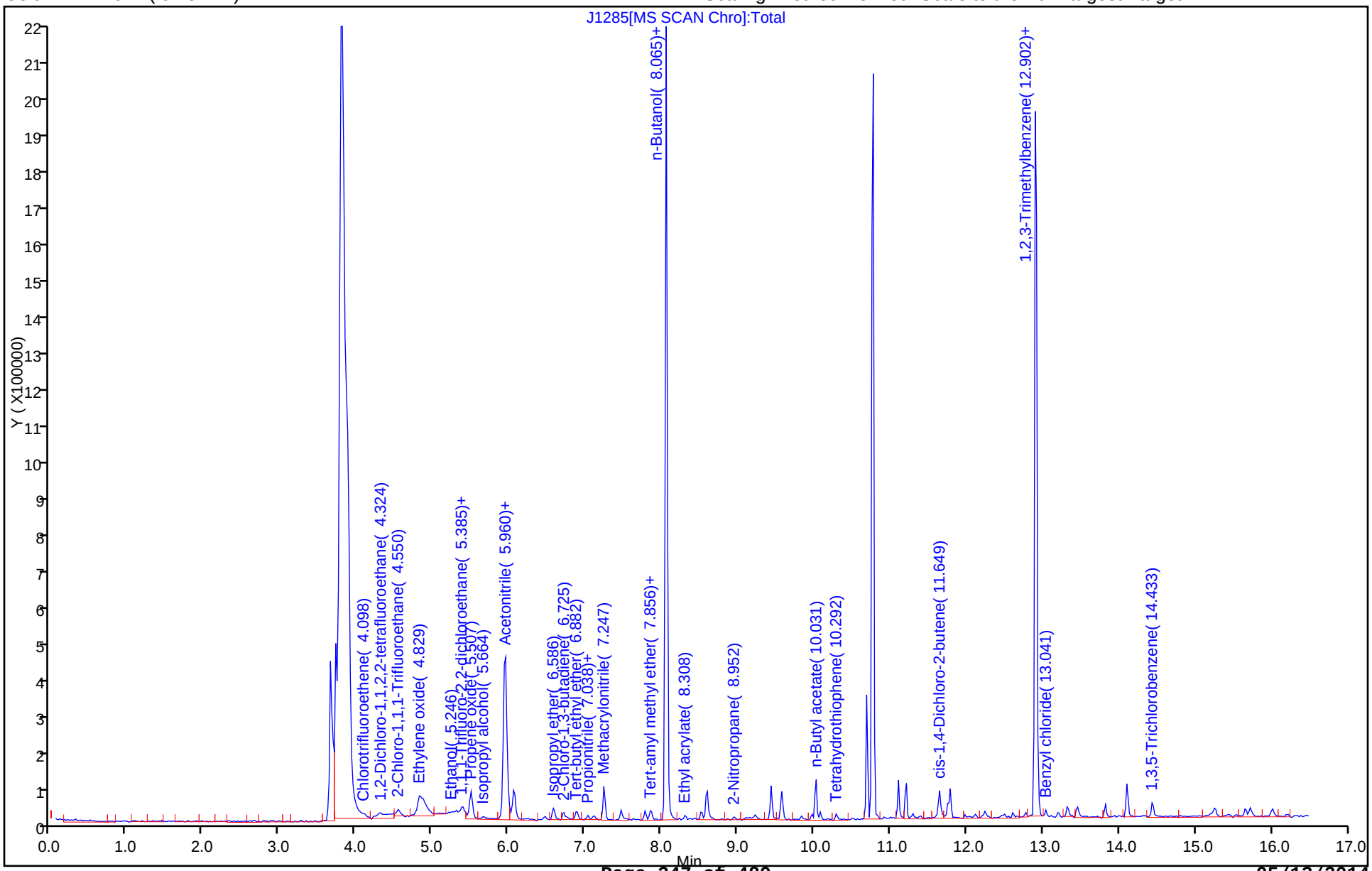
Report Date: 17-Apr-2014 16:19:59 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1285.D

Injection Date:	16-Apr-2014 22:50:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD001			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	20
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1286.D
Lims ID: STD002
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 16-Apr-2014 23:12:30 ALS Bottle#: 21 Worklist Smp#: 12
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD002
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:00 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	75	938396	1000.0	1000.0	
* 1 Fluorobenzene	96	8.064	8.064	0.000	98	1936025	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.778	0.000	82	465354	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.918	0.000	92	705452	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.472	7.472	0.000	60	27231	2.00	2.31	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.785	7.785	0.000	92	27660	2.00	2.62	
$ 7 Toluene-d8 (Surr)	98	9.438	9.438	0.000	84	90487	2.00	2.58	
$ 8 4-Bromofluorobenzene (Surr	95	11.787	11.787	0.000	85	37819	2.00	2.93	
24 Chlorotrifluoroethene	116	4.097	4.097	0.000	79	9212	2.00	3.63	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.306	4.306	0.000	80	15133	2.00	3.23	
29 2-Chloro-1,1,1-Trifluoroet	118	4.549	4.549	0.000	29	15809	2.00	2.06	
30 Ethylene oxide	43	4.828	4.828	0.000	100	114999	400.0	432.2	
35 Ethanol	45	5.245	5.245	0.000	90	8422	100.0	90.8	
36 1,2-Dichloro-1,1,2-trifluo	117	5.384	5.384	0.000	83	21931	2.00	2.08	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.419	5.419	0.000	80	37292	2.00	1.97	
39 Propene oxide	58	5.506	5.506	0.000	96	183526	100.0	104.9	
44 Isopropyl alcohol	45	5.680	5.680	0.000	95	16427	20.0	21.0	
47 Acetonitrile	41	5.906	5.906	0.000	51	24612	20.0	18.8	
58 Isopropyl ether	87	6.585	6.585	0.000	99	14311	2.00	1.96	
60 2-Chloro-1,3-butadiene	53	6.724	6.724	0.000	89	26604	2.00	1.82	
61 Tert-butyl ethyl ether	59	6.898	6.898	0.000	95	62441	2.00	1.96	
62 Ethyl acetate	43	7.037	7.037	0.000	98	25129	4.00	4.01	
66 Propionitrile	54	7.107	7.107	0.000	98	27217	20.0	20.8	
68 Methacrylonitrile	41	7.246	7.246	0.000	94	105236	20.0	20.1	
78 Tert-amyl methyl ether	73	7.855	7.855	0.000	96	51946	2.00	1.99	
80 n-Butanol	56	8.081	8.081	0.000	58	27995	50.0	58.1	
148 Ethyl acrylate	55	8.307	8.307	0.000	0	22931	2.00	1.92	
83 Methyl methacrylate	100	8.534	8.534	0.000	91	8035	4.00	3.80	
90 2-Nitropropane	41	8.951	8.951	0.000	91	6989	4.00	2.93	
144 n-Butyl acetate	43	10.030	10.030	0.000	96	63441	2.00	0.6702	
101 Tetrahydrothiophene	60	10.291	10.291	0.000	59	14950	2.00	2.00	
112 cis-1,4-Dichloro-2-butene	53	11.648	11.648	0.000	36	6877	2.00	2.29	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
127 1,2,3-Trimethylbenzene	105	12.936	12.936	0.000	72	67212	2.00	1.99	
146 Benzyl chloride	126	13.040	13.040	0.000	97	5922	2.00	1.77	
16 1,3,5-Trichlorobenzene	180	14.449	14.449	0.000	93	30510	2.00	2.02	

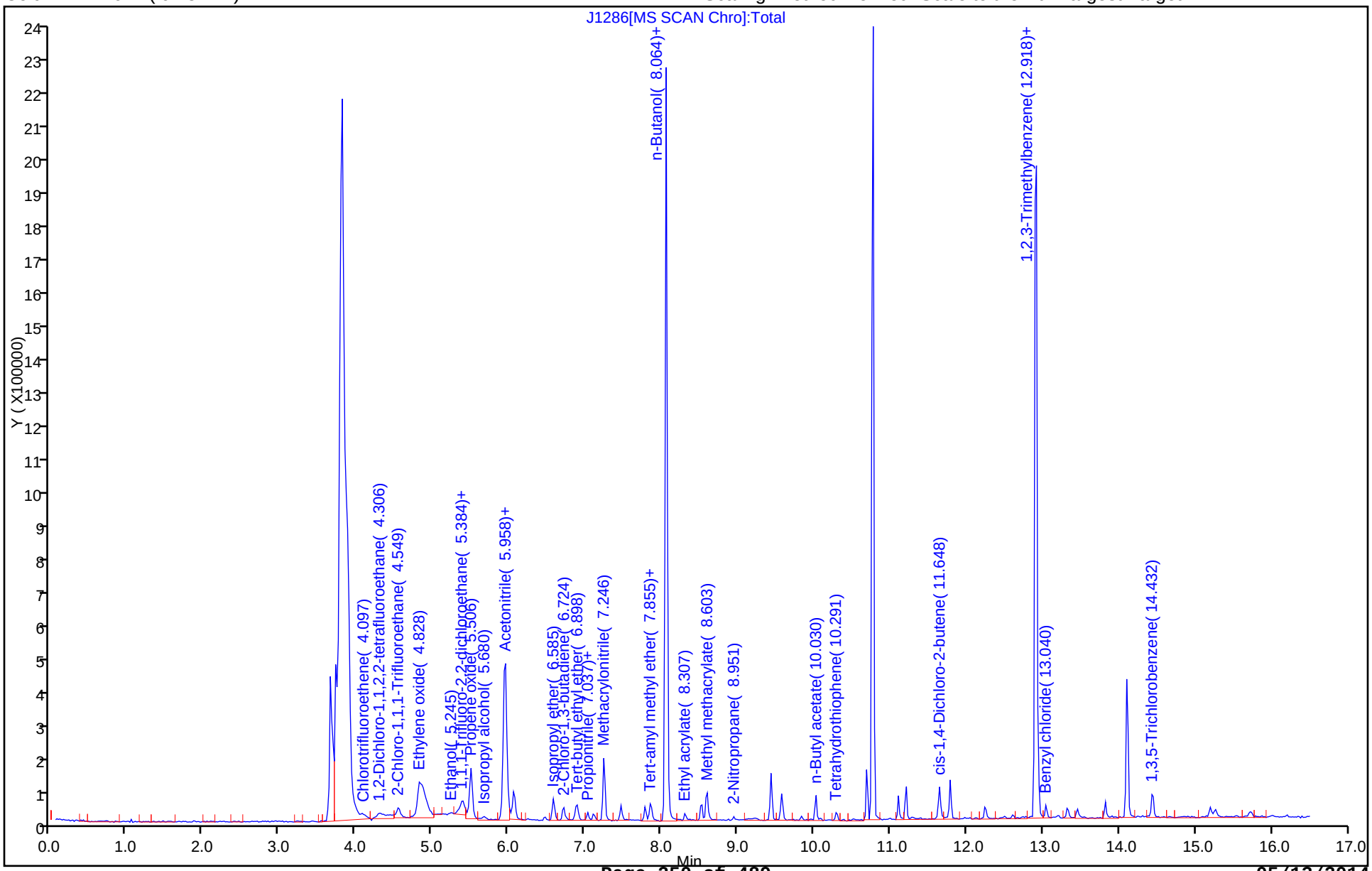
Report Date: 17-Apr-2014 16:20:00 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1286.D

Injection Date:	16-Apr-2014 23:12:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD002			Worklist Smp#:	12
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1287.D
Lims ID: STD005
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 16-Apr-2014 23:33:30 ALS Bottle#: 22 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD005
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:01 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	76	940927	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1978340	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	468544	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	717353	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.471	7.471	0.000	59	59617	5.00	4.96	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.784	7.784	0.000	97	54536	5.00	5.06	
$ 7 Toluene-d8 (Surr)	98	9.437	9.437	0.000	84	192144	5.00	5.45	
$ 8 4-Bromofluorobenzene (Surr	95	11.786	11.786	0.000	87	73791	5.00	5.62	
24 Chlorotrifluoroethene	116	4.096	4.096	0.000	88	24650	5.00	5.63	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.304	4.304	0.000	91	35644	5.00	5.35	
29 2-Chloro-1,1,1-Trifluoroet	118	4.548	4.548	0.000	29	37169	5.00	4.74	
30 Ethylene oxide	43	4.826	4.826	0.000	100	285833	1000.0	1051.4	
35 Ethanol	45	5.244	5.244	0.000	93	21897	250.0	235.5	
36 1,2-Dichloro-1,1,2-trifluo	117	5.383	5.383	0.000	88	51307	5.00	4.76	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.418	5.418	0.000	86	88721	5.00	4.59	
39 Propene oxide	58	5.505	5.505	0.000	98	458303	250.0	256.4	
44 Isopropyl alcohol	45	5.679	5.679	0.000	89	36677	50.0	46.8	
47 Acetonitrile	41	5.905	5.905	0.000	85	57584	50.0	46.0	
58 Isopropyl ether	87	6.584	6.584	0.000	99	34146	5.00	4.57	
60 2-Chloro-1,3-butadiene	53	6.723	6.723	0.000	86	68043	5.00	4.56	
61 Tert-butyl ethyl ether	59	6.897	6.897	0.000	95	152165	5.00	4.67	
62 Ethyl acetate	43	7.036	7.036	0.000	97	62907	10.0	9.82	
66 Propionitrile	54	7.123	7.123	0.000	97	63487	50.0	47.6	
68 Methacrylonitrile	41	7.245	7.245	0.000	94	267939	50.0	50.0	
78 Tert-amyl methyl ether	73	7.854	7.854	0.000	96	120888	5.00	4.53	
80 n-Butanol	56	8.080	8.080	0.000	77	47848	125.0	114.1	
148 Ethyl acrylate	55	8.306	8.306	0.000	0	58837	5.00	4.81	
83 Methyl methacrylate	100	8.532	8.532	0.000	91	20271	10.0	9.39	
90 2-Nitropropane	41	8.950	8.950	0.000	94	15501	10.0	7.56	
144 n-Butyl acetate	43	10.029	10.029	0.000	96	113936	5.00	4.72	
101 Tetrahydrothiophene	60	10.290	10.290	0.000	51	33095	5.00	4.40	
112 cis-1,4-Dichloro-2-butene	53	11.647	11.647	0.000	52	13728	5.00	4.50	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
127 1,2,3-Trimethylbenzene	105	12.935	12.935	0.000	85	173029	5.00	5.03	
146 Benzyl chloride	126	13.039	13.039	0.000	99	14931	5.00	4.44	
16 1,3,5-Trichlorobenzene	180	14.448	14.448	0.000	97	79469	5.00	5.17	

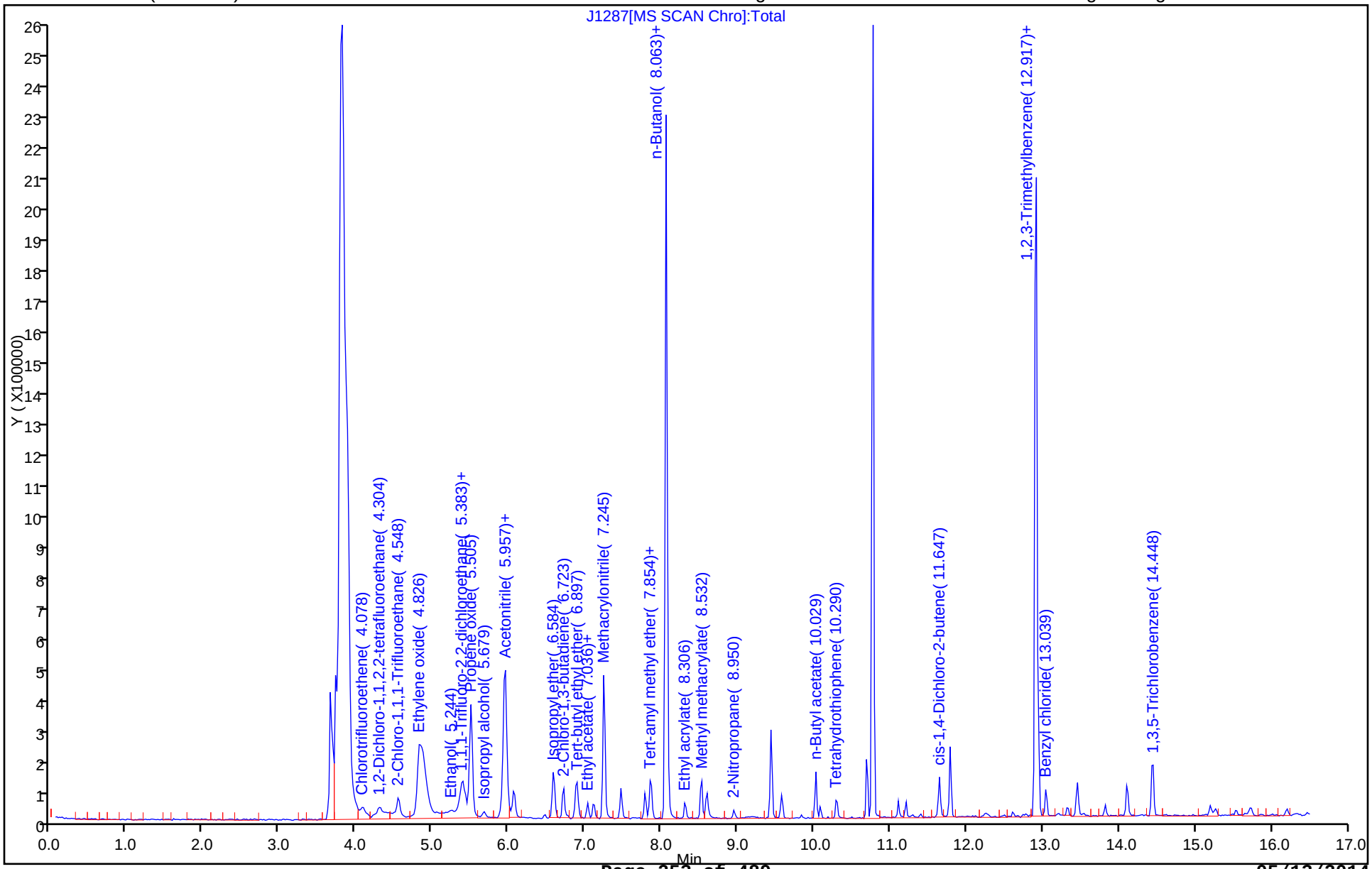
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1287.D

Injection Date:	16-Apr-2014 23:33:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD005			Worklist Smp#:	13
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1288.D
Lims ID: STD010
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 16-Apr-2014 23:54:30 ALS Bottle#: 23 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD010
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:01 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 17-Apr-2014 16:07:26

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.000	77	868938	1000.0	1000.0	
* 1 Fluorobenzene	96	8.064	8.064	0.000	98	1928874	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.779	10.779	0.000	83	451827	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.919	12.919	0.000	92	697636	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.473	7.473	0.000	63	112330	10.0	9.58	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.786	7.786	0.000	95	100311	10.0	9.55	
$ 7 Toluene-d8 (Surr)	98	9.439	9.439	0.000	84	335473	10.0	9.87	
$ 8 4-Bromofluorobenzene (Surr	95	11.788	11.788	0.000	90	119108	10.0	9.32	
24 Chlorotrifluoroethene	116	4.097	4.097	0.000	93	48989	10.0	8.97	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.306	4.306	0.000	94	75159	10.0	9.72	
29 2-Chloro-1,1,1-Trifluoroet	118	4.550	4.550	0.000	36	74150	10.0	9.69	
30 Ethylene oxide	43	4.845	4.845	0.000	100	509427	2000.0	1921.9	M
35 Ethanol	45	5.246	5.246	0.000	90	42519	500.0	495.2	
36 1,2-Dichloro-1,1,2-trifluo	117	5.385	5.385	0.000	89	96917	10.0	9.22	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.420	5.420	0.000	89	177317	10.0	9.41	
39 Propene oxide	58	5.507	5.507	0.000	97	880925	500.0	505.6	
44 Isopropyl alcohol	45	5.681	5.681	0.000	96	68560	100.0	94.7	
47 Acetonitrile	41	5.907	5.907	0.000	99	111084	100.0	93.3	
58 Isopropyl ether	87	6.585	6.585	0.000	99	68082	10.0	9.35	
60 2-Chloro-1,3-butadiene	53	6.707	6.707	0.000	86	135171	10.0	9.29	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.000	96	297643	10.0	9.37	
62 Ethyl acetate	43	7.038	7.038	0.000	99	114754	20.0	18.4	
66 Propionitrile	54	7.107	7.107	0.000	98	115620	100.0	88.9	
68 Methacrylonitrile	41	7.247	7.247	0.000	93	514926	100.0	98.6	
78 Tert-amyl methyl ether	73	7.856	7.856	0.000	96	241945	10.0	9.31	
80 n-Butanol	56	8.082	8.082	0.000	78	81810	250.0	229.4	
148 Ethyl acrylate	55	8.308	8.308	0.000	0	110662	10.0	9.28	
83 Methyl methacrylate	100	8.534	8.534	0.000	90	39188	20.0	18.6	
90 2-Nitropropane	41	8.952	8.952	0.000	98	29016	20.0	15.4	
144 n-Butyl acetate	43	10.030	10.030	0.000	96	116985	10.0	5.22	
101 Tetrahydrothiophene	60	10.291	10.291	0.000	51	64306	10.0	8.87	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.649	11.649	0.000	88	26403	10.0	8.90	
127 1,2,3-Trimethylbenzene	105	12.936	12.936	0.000	97	284845	10.0	8.52	
146 Benzyl chloride	126	13.041	13.041	0.000	99	27259	10.0	8.40	
16 1,3,5-Trichlorobenzene	180	14.450	14.450	0.000	97	122293	10.0	8.18	

QC Flag Legend

Review Flags
M - Manually Integrated

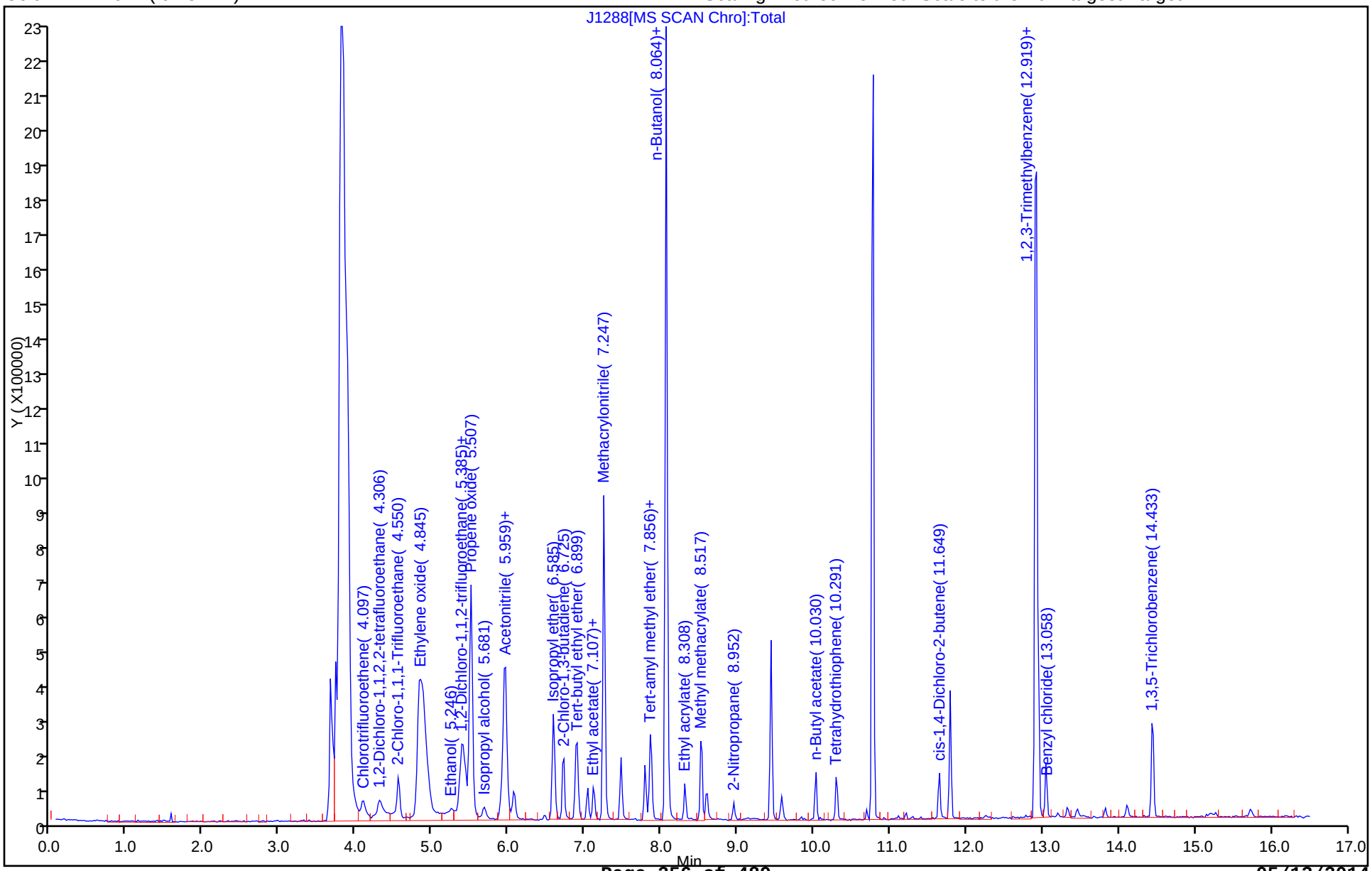
Report Date: 17-Apr-2014 16:20:02 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1288.D

Injection Date:	16-Apr-2014 23:54:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD010			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1289.D
Lims ID: STD020
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Apr-2014 00:15:30 ALS Bottle#: 24 Worklist Smp#: 15
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD020
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:03 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 17-Apr-2014 16:08:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.945	5.945	0.000	86	875805	1000.0	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.000	98	1976567	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.000	82	468201	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.904	12.904	0.000	97	722911	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.476	7.476	0.000	56	216830	20.0	18.1	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.789	7.789	0.000	95	194896	20.0	18.1	
$ 7 Toluene-d8 (Surr)	98	9.442	9.442	0.000	84	666891	20.0	18.9	
$ 8 4-Bromofluorobenzene (Surr	95	11.791	11.791	0.000	96	249122	20.0	18.8	
24 Chlorotrifluoroethene	116	4.100	4.100	0.000	92	95972	20.0	15.0	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.309	4.309	0.000	97	144637	20.0	16.8	
29 2-Chloro-1,1,1-Trifluoroet	118	4.553	4.553	0.000	30	137841	20.0	17.6	
30 Ethylene oxide	43	4.866	4.866	0.000	100	864197	4000.0	3181.6	
35 Ethanol	45	5.249	5.249	0.000	99	85140	1000.0	983.8	
36 1,2-Dichloro-1,1,2-trifluo	117	5.388	5.388	0.000	86	195744	20.0	18.2	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.423	5.423	0.000	87	346452	20.0	17.9	
39 Propene oxide	58	5.510	5.510	0.000	98	1720221	1000.0	963.4	
44 Isopropyl alcohol	45	5.684	5.684	0.000	98	130071	200.0	178.3	
47 Acetonitrile	41	5.910	5.910	0.000	100	208821	200.0	173.0	
58 Isopropyl ether	87	6.588	6.588	0.000	99	134470	20.0	18.0	
60 2-Chloro-1,3-butadiene	53	6.710	6.710	0.000	92	265066	20.0	17.8	
61 Tert-butyl ethyl ether	59	6.884	6.884	0.000	96	593456	20.0	18.2	
62 Ethyl acetate	43	7.041	7.041	0.000	99	230484	40.0	36.0	
66 Propionitrile	54	7.110	7.110	0.000	100	234562	200.0	176.0	
68 Methacrylonitrile	41	7.250	7.250	0.000	93	1018301	200.0	190.2	
78 Tert-amyl methyl ether	73	7.858	7.858	0.000	96	478348	20.0	18.0	
80 n-Butanol	56	8.085	8.085	0.000	81	150630	500.0	436.6	
148 Ethyl acrylate	55	8.311	8.311	0.000	0	222682	20.0	18.2	
83 Methyl methacrylate	100	8.520	8.520	0.000	91	79256	40.0	36.7	
90 2-Nitropropane	41	8.955	8.955	0.000	99	58945	40.0	31.6	
144 n-Butyl acetate	43	10.016	10.016	0.000	98	248599	20.0	15.8	
101 Tetrahydrothiophene	60	10.294	10.294	0.000	51	133838	20.0	17.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.634	11.634	0.000	91	53171	20.0	17.3	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.000	98	685941	20.0	19.8	
146 Benzyl chloride	126	13.044	13.044	0.000	99	62196	20.0	18.5	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.000	98	321757	20.0	20.8	

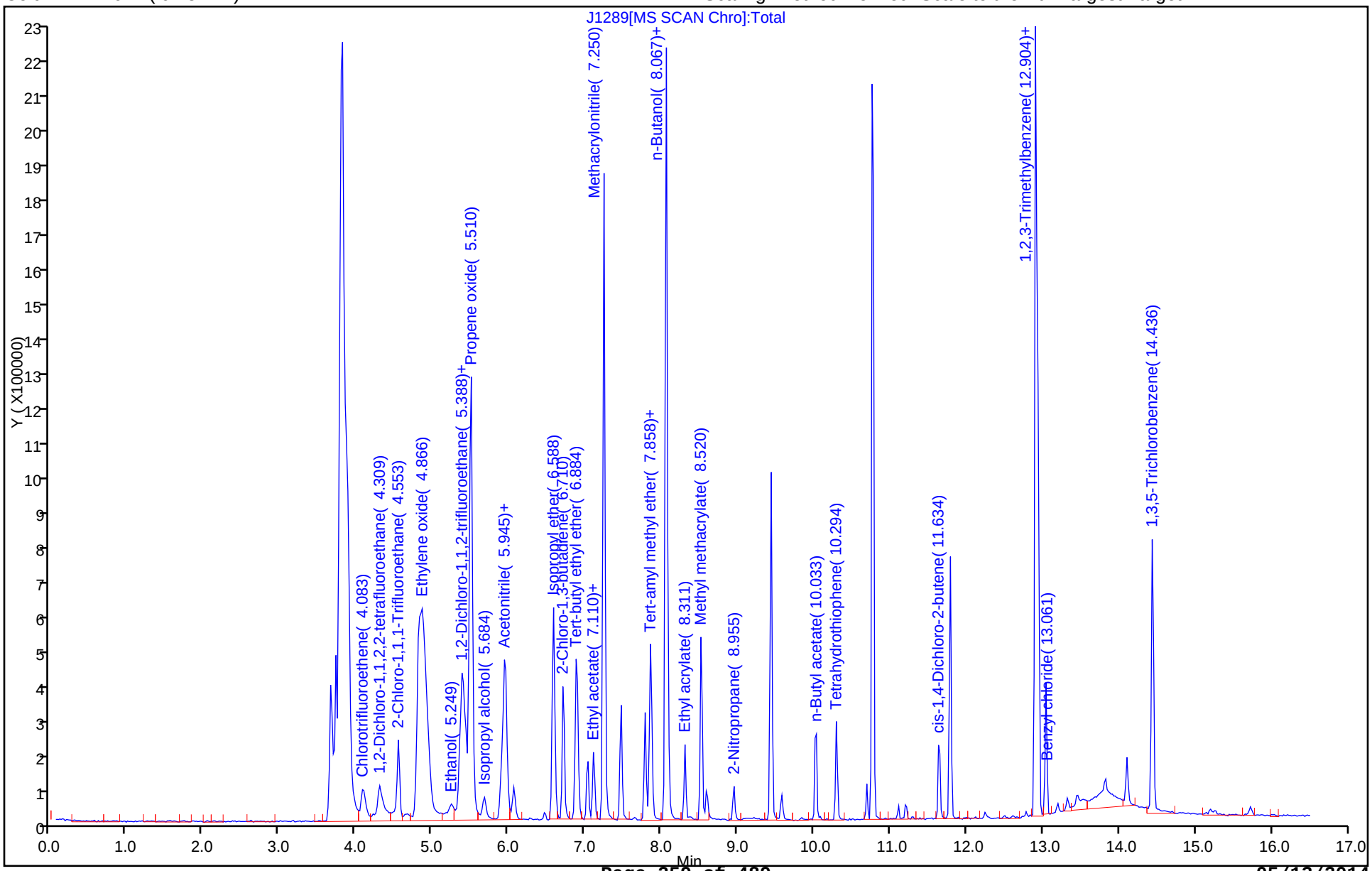
Report Date: 17-Apr-2014 16:20:03 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1289.D

Injection Date:	17-Apr-2014 00:15:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD020			Worklist Smp#:	15
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1290.D
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 17-Apr-2014 00:37:30 ALS Bottle#: 25 Worklist Smp#: 16
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICIS
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:03 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 17-Apr-2014 15:59:48

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	83	696197	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1554416	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	372093	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	565999	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.471	7.471	0.000	63	579938	50.0	61.4	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.784	7.784	0.000	95	518454	50.0	61.3	
$ 7 Toluene-d8 (Surr)	98	9.437	9.437	0.000	84	1696095	50.0	60.6	
$ 8 4-Bromofluorobenzene (Surr	95	11.786	11.786	0.000	91	578399	50.0	55.8	
24 Chlorotrifluoroethene	116	4.096	4.096	0.000	95	350267	50.0	60.7	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.304	4.304	0.000	97	430037	50.0	59.2	
29 2-Chloro-1,1,1-Trifluoroet	118	4.565	4.565	0.000	27	388301	50.0	63.0	
30 Ethylene oxide	43	4.861	4.861	0.000	100	2374737	10000	11117	
35 Ethanol	45	5.244	5.244	0.000	98	217492	2500.0	3161.4	
36 1,2-Dichloro-1,1,2-trifluo	117	5.383	5.383	0.000	90	521148	50.0	61.5	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.435	5.435	0.000	92	945148	50.0	62.2	
39 Propene oxide	58	5.505	5.505	0.000	98	4416363	2500.0	3145.1	
44 Isopropyl alcohol	45	5.679	5.679	0.000	99	355108	500.0	612.4	
47 Acetonitrile	41	5.905	5.905	0.000	99	577963	500.0	614.8	
58 Isopropyl ether	87	6.584	6.584	0.000	99	358278	50.0	61.0	
60 2-Chloro-1,3-butadiene	53	6.723	6.723	0.000	91	711118	50.0	60.7	
61 Tert-butyl ethyl ether	59	6.897	6.897	0.000	96	1599279	50.0	62.5	
62 Ethyl acetate	43	7.036	7.036	0.000	99	618618	100.0	122.9	
66 Propionitrile	54	7.106	7.106	0.000	99	621214	500.0	592.6	
68 Methacrylonitrile	41	7.245	7.245	0.000	93	2604074	500.0	618.5	
78 Tert-amyl methyl ether	73	7.854	7.854	0.000	96	1301717	50.0	62.1	
80 n-Butanol	56	8.098	8.098	0.000	88	392475	1250.0	1479.8	
148 Ethyl acrylate	55	8.306	8.306	0.000	0	605169	50.0	63.0	
83 Methyl methacrylate	100	8.533	8.533	0.000	90	216634	100.0	127.7	
90 2-Nitropropane	41	8.950	8.950	0.000	97	174160	100.0	121.6	
144 n-Butyl acetate	43	10.029	10.029	0.000	96	631576	50.0	61.6	
101 Tetrahydrothiophene	60	10.290	10.290	0.000	51	359604	50.0	60.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.647	11.647	0.000	90	142849	50.0	59.3	
127 1,2,3-Trimethylbenzene	105	12.935	12.935	0.000	85	1479598	50.0	54.6	
146 Benzyl chloride	126	13.039	13.039	0.000	99	165608	50.0	62.0	
16 1,3,5-Trichlorobenzene	180	14.448	14.448	0.000	97	607254	50.0	50.1	

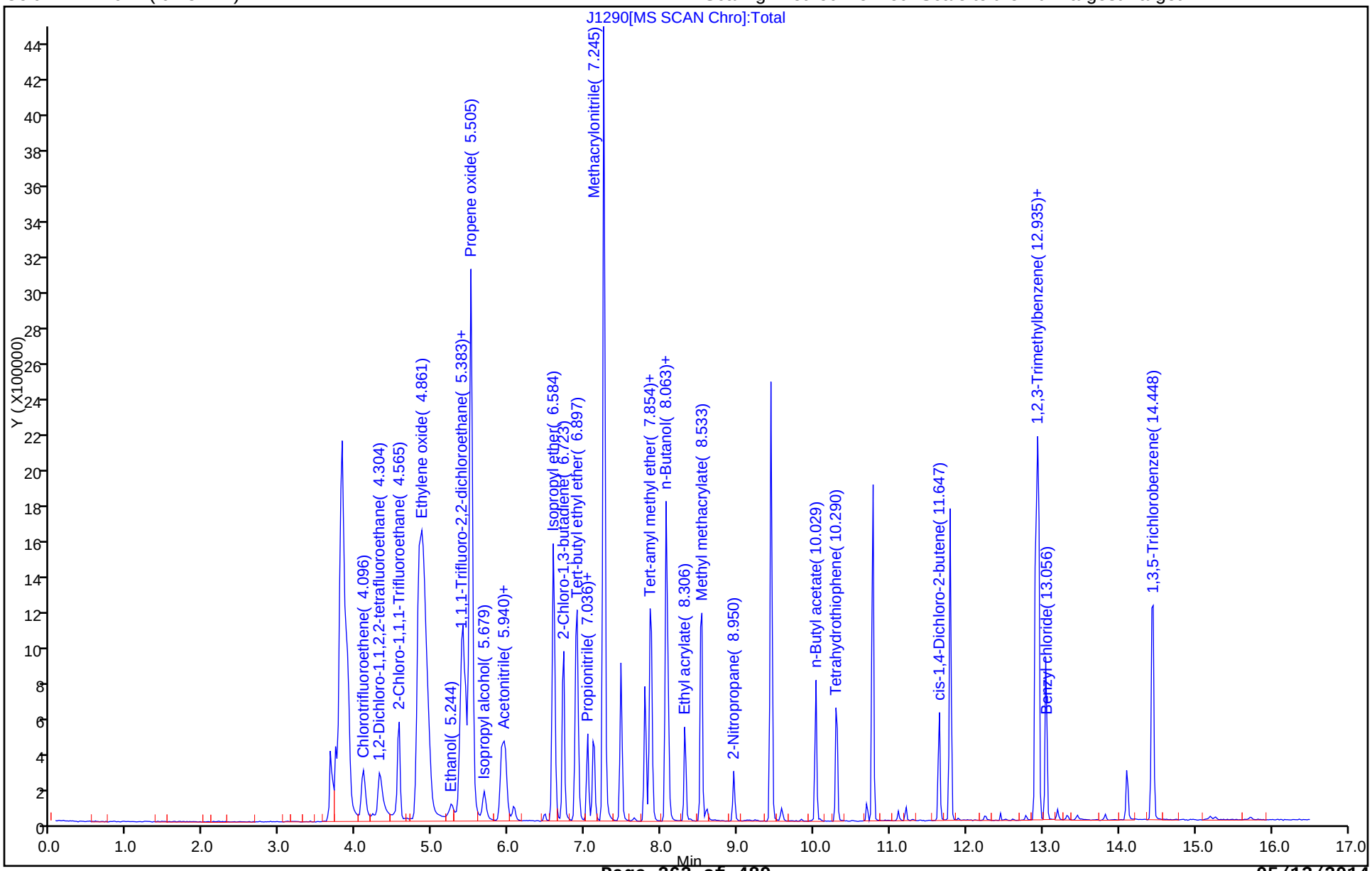
Report Date: 17-Apr-2014 16:20:04 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1290.D

Injection Date:	17-Apr-2014 00:37:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	ICIS			Worklist Smp#:	16
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1291.D
Lims ID: STD100
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Apr-2014 00:58:30 ALS Bottle#: 26 Worklist Smp#: 17
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD100
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:04 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	86	874555	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1932580	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	466821	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	719412	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.471	7.471	0.000	55	1111092	100.0	94.6	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.784	7.784	0.000	95	1002615	100.0	95.3	
$ 7 Toluene-d8 (Surr)	98	9.437	9.437	0.000	84	3341987	100.0	95.1	
$ 8 4-Bromofluorobenzene (Surr	95	11.786	11.786	0.000	91	1250593	100.0	94.9	
24 Chlorotrifluoroethene	116	4.095	4.095	0.000	95	682342	100.0	93.7	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.304	4.304	0.000	97	840501	100.0	92.2	
29 2-Chloro-1,1,1-Trifluoroet	118	4.565	4.565	0.000	29	704501	100.0	91.9	
30 Ethylene oxide	43	4.861	4.861	0.000	99	3553601	20000	13381	
35 Ethanol	45	5.244	5.244	0.000	99	419262	5000.0	4851.4	
36 1,2-Dichloro-1,1,2-trifluo	117	5.383	5.383	0.000	89	1037684	100.0	98.5	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.435	5.435	0.000	90	1840860	100.0	97.5	
39 Propene oxide	58	5.505	5.505	0.000	100	7960146	5000.0	4559.6	
44 Isopropyl alcohol	45	5.679	5.679	0.000	99	710339	1000.0	975.2	
47 Acetonitrile	41	5.905	5.905	0.000	99	1142471	1000.0	978.9	
58 Isopropyl ether	87	6.584	6.584	0.000	97	716178	100.0	98.2	
60 2-Chloro-1,3-butadiene	53	6.723	6.723	0.000	91	1386622	100.0	95.1	
61 Tert-butyl ethyl ether	59	6.897	6.897	0.000	96	3139472	100.0	98.6	
62 Ethyl acetate	43	7.036	7.036	0.000	99	1236994	200.0	197.7	
66 Propionitrile	54	7.106	7.106	0.000	100	1230756	1000.0	944.4	
68 Methacrylonitrile	41	7.245	7.245	0.000	93	4842016	1000.0	925.0	
78 Tert-amyl methyl ether	73	7.854	7.854	0.000	96	2578442	100.0	99.0	
80 n-Butanol	56	8.097	8.097	0.000	88	794700	2500.0	2398.4	
148 Ethyl acrylate	55	8.306	8.306	0.000	0	1208902	100.0	101.2	
83 Methyl methacrylate	100	8.532	8.532	0.000	89	421533	200.0	199.8	
90 2-Nitropropane	41	8.950	8.950	0.000	98	350800	200.0	197.6	
144 n-Butyl acetate	43	10.029	10.029	0.000	96	1236477	100.0	99.7	
101 Tetrahydrothiophene	60	10.290	10.290	0.000	58	734544	100.0	98.1	
112 cis-1,4-Dichloro-2-butene	53	11.647	11.647	0.000	87	296693	100.0	97.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
127 1,2,3-Trimethylbenzene	105	12.934	12.934	0.000	98	3483910	100.0	101.1	
146 Benzyl chloride	126	13.039	13.039	0.000	99	362514	100.0	108.1	
16 1,3,5-Trichlorobenzene	180	14.448	14.448	0.000	98	1562273	100.0	101.3	

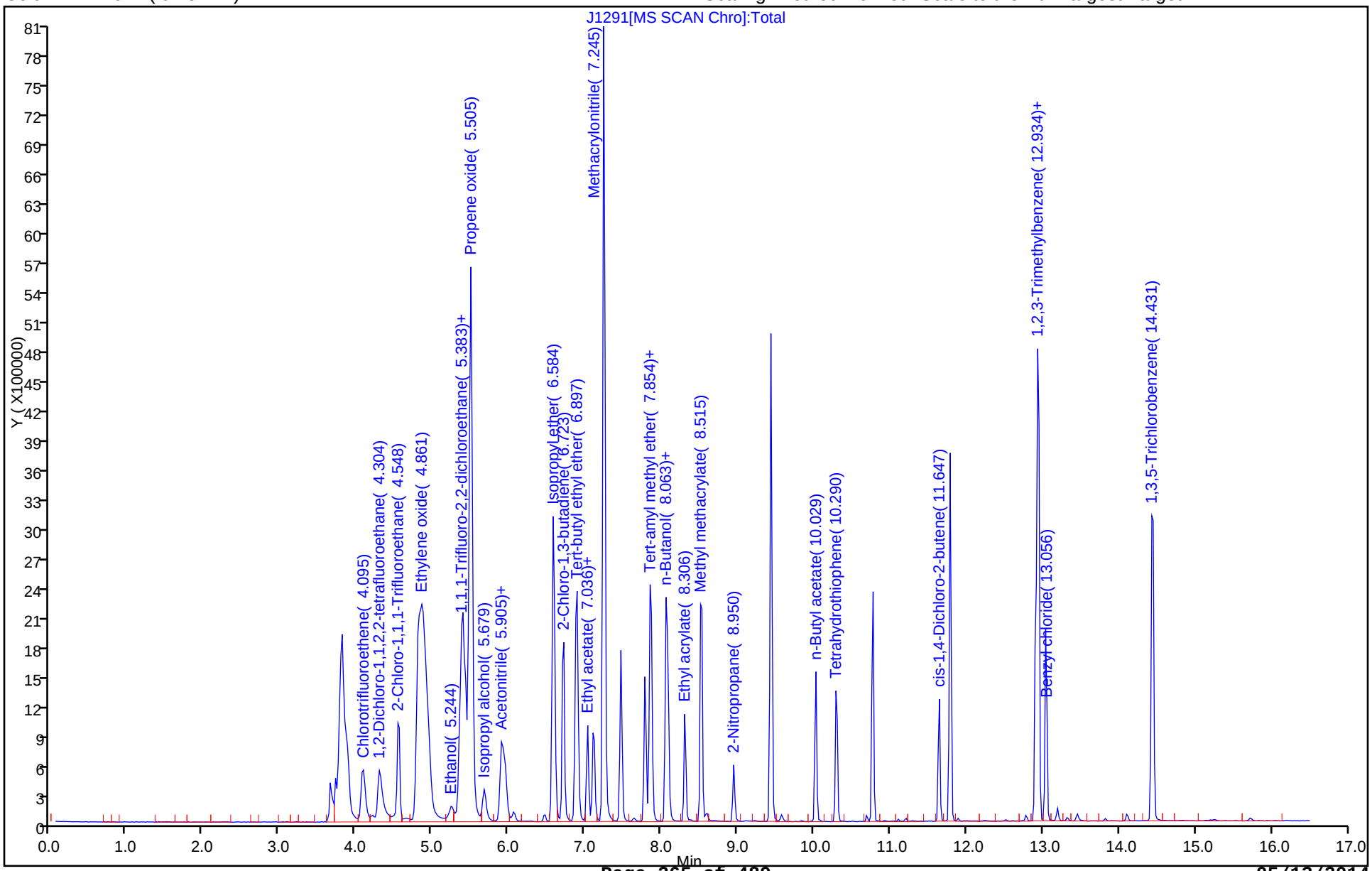
Report Date: 17-Apr-2014 16:20:04 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1291.D

Injection Date:	17-Apr-2014 00:58:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD100			Worklist Smp#:	17
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	26
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Apr-2014 01:19:30 ALS Bottle#: 27 Worklist Smp#: 18
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub57

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:05 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	93	740118	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1765113	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.778	0.000	81	435822	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.918	0.000	92	685032	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.472	7.472	0.000	64	2087646	200.0	194.6	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.785	7.785	0.000	96	1822928	200.0	189.7	
$ 7 Toluene-d8 (Surr)	98	9.438	9.438	0.000	84	5931998	200.0	180.9	
$ 8 4-Bromofluorobenzene (Surr	95	11.787	11.787	0.000	94	2351475	200.0	187.5	
24 Chlorotrifluoroethene	116	4.079	4.079	0.000	95	1355004	200.0	201.0	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.305	4.305	0.000	97	1694157	200.0	201.6	
29 2-Chloro-1,1,1-Trifluoroet	118	4.548	4.548	0.000	30	1282227	200.0	183.2	
30 Ethylene oxide	43	4.862	4.862	0.000	98	4957824	40000	20439	
35 Ethanol	45	5.244	5.244	0.000	99	688038	10000	9407.6	
36 1,2-Dichloro-1,1,2-trifluo	117	5.384	5.384	0.000	89	1756135	200.0	182.6	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.418	5.418	0.000	87	3406254	200.0	197.5	
39 Propene oxide	58	5.488	5.488	0.000	96	12442642	10000	7803.4	
44 Isopropyl alcohol	45	5.679	5.679	0.000	100	1290862	2000.0	2094.0	
47 Acetonitrile	41	5.906	5.906	0.000	99	2069414	2000.0	1943.6	
58 Isopropyl ether	87	6.584	6.584	0.000	97	1367403	200.0	205.2	
60 2-Chloro-1,3-butadiene	53	6.706	6.706	0.000	92	2606697	200.0	195.8	
61 Tert-butyl ethyl ether	59	6.880	6.880	0.000	95	5872658	200.0	202.0	
62 Ethyl acetate	43	7.037	7.037	0.000	99	2237201	400.0	391.5	
66 Propionitrile	54	7.106	7.106	0.000	100	2192727	2000.0	1842.2	
68 Methacrylonitrile	41	7.245	7.245	0.000	93	7963890	2000.0	1665.7	
78 Tert-amyl methyl ether	73	7.854	7.854	0.000	97	4827023	200.0	202.9	
80 n-Butanol	56	8.081	8.081	0.000	89	1384165	5000.0	4958.7	
148 Ethyl acrylate	55	8.307	8.307	0.000	0	2154324	200.0	197.4	
83 Methyl methacrylate	100	8.533	8.533	0.000	89	759161	400.0	394.1	
90 2-Nitropropane	41	8.951	8.951	0.000	98	641980	400.0	396.9	
144 n-Butyl acetate	43	10.029	10.029	0.000	96	2191921	200.0	197.9	
101 Tetrahydrothiophene	60	10.290	10.290	0.000	51	1322430	200.0	189.1	
112 cis-1,4-Dichloro-2-butene	53	11.647	11.647	0.000	86	550537	200.0	189.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
127 1,2,3-Trimethylbenzene	105	12.935	12.935	0.000	98	6644946	200.0	202.4	
146 Benzyl chloride	126	13.039	13.039	0.000	99	696802	200.0	222.6	
16 1,3,5-Trichlorobenzene	180	14.449	14.449	0.000	98	3099537	200.0	211.1	

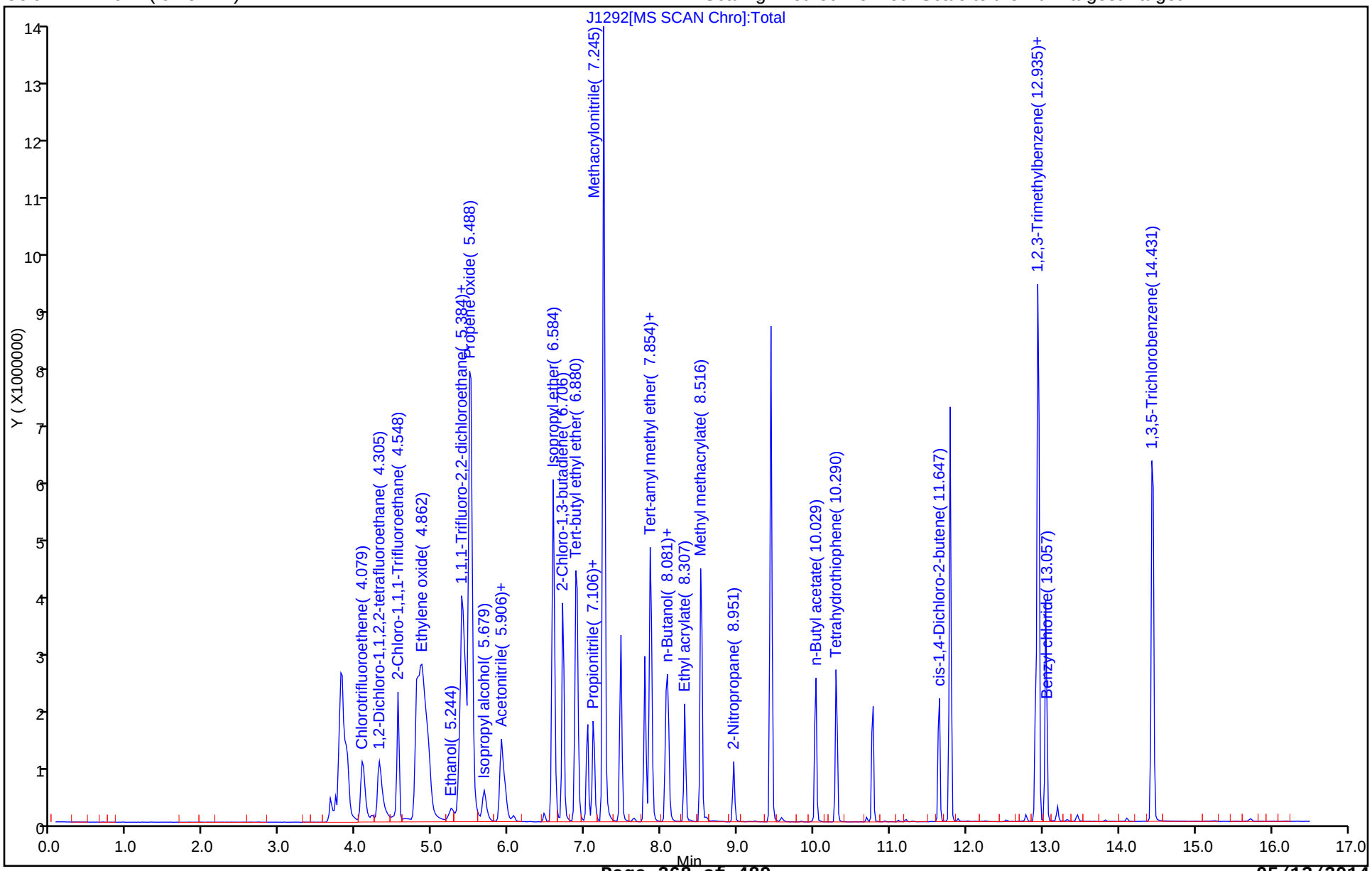
Report Date: 17-Apr-2014 16:20:05 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Injection Date:	17-Apr-2014 01:19:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD200			Worklist Smp#:	18
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	27
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221699

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/17/2014 17:18 Calibration End Date: 04/17/2014 19:23 Calibration ID: 17925

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 280-221699/4	J1301.D
Level 2	STD005 280-221699/5	J1302.D
Level 3	STD010 280-221699/6	J1303.D
Level 4	STD020 280-221699/7	J1304.D
Level 5	STD050 280-221699/8	J1305.D
Level 6	STD100 280-221699/9	J1306.D
Level 7	STD200 280-221699/10	J1307.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.2729	0.1780 0.2435	0.2350	0.1847	0.2792	Lin1	-0.401	0.2579							0.9910		0.9900
Chloromethane	0.2789 0.3063	0.2151 0.2764	0.2897	0.2450	0.3103	Ave		0.2745			0.1000	12.0		15.0			
Vinyl chloride	0.2571 0.2615	0.2057 0.2187	0.2586	0.2039	0.2710	Ave		0.2395				12.0		30.0			
Bromomethane	+++++ 0.1738	0.1319 0.1457	0.1658	0.1286	0.1818	Ave		0.1546				14.0		15.0			
Chloroethane	+++++ 0.1432	0.1125 0.1192	0.1478	0.1104	0.1544	Ave		0.1312				15.0		15.0			
Dichlorofluoromethane	0.4201 0.4356	0.3065 0.3789	0.4212	0.3485	0.4446	Ave		0.3936				13.0		15.0			
Trichlorofluoromethane	0.3072 0.3216	0.2274 0.2865	0.3096	0.2434	0.3320	Ave		0.2897				14.0		15.0			
Acetone	0.1365 0.0733	0.0551 0.0673	0.0843	0.0636	0.0777	Lin1	0.3339	0.0691							0.9920		0.9900
2-Butanone (MEK)	+++++ 0.1252	0.0913 0.1188	0.1311	0.1033	0.1310	Lin	0.3432	0.1199							0.9980		0.9900
4-Methyl-2-pentanone (MIBK)	0.2668 0.2721	0.1944 0.2481	0.2770	0.2235	0.2850	Lin	1.3830	0.2517							0.9960		0.9900
2-Hexanone	+++++ 0.8190	0.5810 0.7455	0.8637	0.6620	0.8687	Lin	6.0045	0.7538							0.9960		0.9900
Cyclohexanone	+++++ 0.0435	0.0291 0.0416	0.0448	0.0355	0.0458	Lin1	-1.798	0.0429							0.9960		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-54473-1 Analy Batch No.: 221699

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 04/17/2014 17:18 Calibration End Date: 04/17/2014 19:23 Calibration ID: 17925

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD002 280-221699/4	J1301.D
Level 2	STD005 280-221699/5	J1302.D
Level 3	STD010 280-221699/6	J1303.D
Level 4	STD020 280-221699/7	J1304.D
Level 5	STD050 280-221699/8	J1305.D
Level 6	STD100 280-221699/9	J1306.D
Level 7	STD200 280-221699/10	J1307.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	+++++ 1035318	33292 1928286	73251	139971	514201	+++++ 100	5.00 200	10.0	20.0	50.0
Chloromethane	FB	Ave	17111 1161971	40237 2188426	90304	185666	571527	2.00 100	5.00 200	10.0	20.0	50.0
Vinyl chloride	FB	Ave	15769 991948	38477 1731546	80620	154475	499208	2.00 100	5.00 200	10.0	20.0	50.0
Bromomethane	FB	Ave	+++++ 659086	24677 1153373	51693	97436	334878	+++++ 100	5.00 200	10.0	20.0	50.0
Chloroethane	FB	Ave	+++++ 543159	21042 943713	46088	83680	284302	+++++ 100	5.00 200	10.0	20.0	50.0
Dichlorofluoromethane	FB	Ave	25769 1652413	57338 3000228	131316	264051	818945	2.00 100	5.00 200	10.0	20.0	50.0
Trichlorofluoromethane	FB	Ave	18847 1219963	42545 2268076	96518	184427	611575	2.00 100	5.00 200	10.0	20.0	50.0
Acetone	FB	Lin1	33498 1112838	41246 2130938	105065	192771	572828	8.00 400	20.0 800	40.0	80.0	200
2-Butanone (MEK)	FB	Lin	+++++ 1899326	68359 3764020	163430	313061	965075	+++++ 400	20.0 800	40.0	80.0	200
4-Methyl-2-pentanone (MIBK)	FB	Lin	65468 4128137	145487 7857685	345466	677318	2099458	8.00 400	20.0 800	40.0	80.0	200
2-Hexanone	CBZ	Lin	+++++ 2965053	103258 5675279	250064	477772	1508978	+++++ 400	20.0 800	40.0	80.0	200
Cyclohexanone	CBZ	Lin1	+++++ 1575649	51788 3165479	129674	256195	796076	+++++ 4000	200 8000	400	800	2000

Curve Type Legend:

Ave = Average ISTD
Lin = Linear ISTD
Lin1 = Linear 1/conc ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1301.D
Lims ID: STD002
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 17-Apr-2014 17:18:30 ALS Bottle#: 12 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD002
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:06 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

First Level Reviewer: dukesa Date: 17-Apr-2014 19:09:49

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.947	5.947	0.000	76	714726	1000.0	1000.0	
* 1 Fluorobenzene	96	8.069	8.069	0.000	99	1533620	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.766	10.766	0.000	89	357159	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.906	12.906	0.000	97	548916	50.0	50.0	
25 Dichlorodifluoromethane	85	4.154	4.154	0.000	78	14999	2.00	3.45	
27 Chloromethane	50	4.346	4.346	0.000	96	17111	2.00	2.03	
28 Vinyl chloride	62	4.520	4.520	0.000	97	15769	2.00	2.15	
147 Butadiene	54	4.502	4.502	0.000	84	12178	2.00	1.97	
31 Bromomethane	94	4.885	4.885	0.000	90	11437	2.00	2.41	
32 Chloroethane	64	4.955	4.955	0.000	90	11156	2.00	2.77	
33 Dichlorofluoromethane	67	5.129	5.129	0.000	86	25769	2.00	2.13	
34 Trichlorofluoromethane	101	5.251	5.251	0.000	90	18847	2.00	2.12	
41 Acetone	43	5.668	5.668	0.000	93	33498	8.00	11.0	
63 2-Butanone (MEK)	43	7.043	7.043	0.000	95	32844	8.00	6.07	
92 4-Methyl-2-pentanone (MIBK	43	9.235	9.235	0.000	96	65468	8.00	2.99	
97 2-Hexanone	43	9.966	9.966	0.000	99	61158	8.00	3.39	
113 Cyclohexanone	55	11.758	11.758	0.000	90	27410	80.0	131.2	

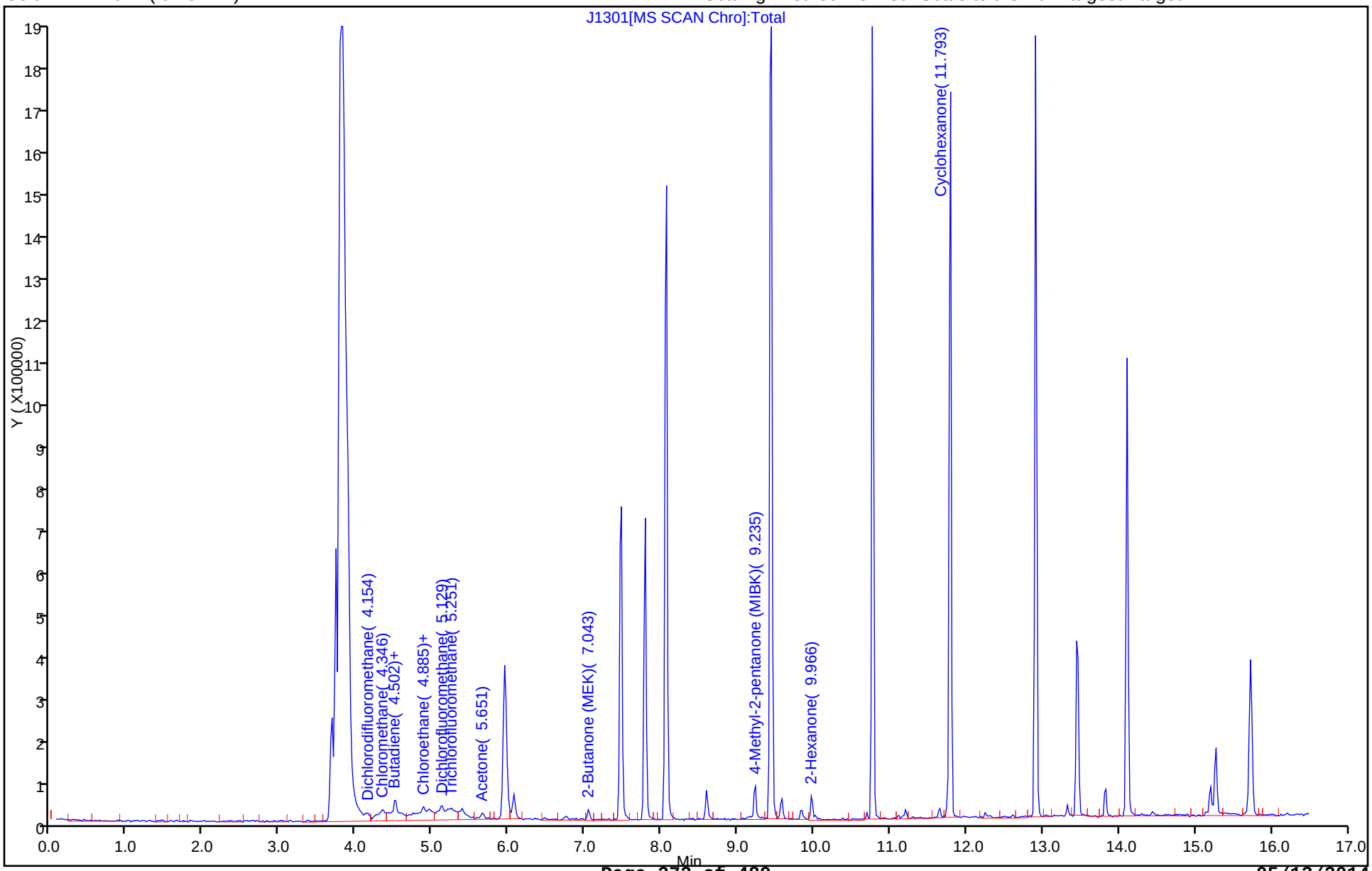
Report Date: 17-Apr-2014 22:34:06 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1301.D

Injection Date:	17-Apr-2014 17:18:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD002			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1302.D
Lims ID: STD005
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 17-Apr-2014 17:39:30 ALS Bottle#: 13 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD005
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:07 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

First Level Reviewer: dukesa Date: 17-Apr-2014 19:50:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	75	800156	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1870827	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	444337	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	680031	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	82	33292	5.00	5.00	
27 Chloromethane	50	4.339	4.339	0.000	100	40237	5.00	3.92	
28 Vinyl chloride	62	4.513	4.513	0.000	68	38477	5.00	4.29	
147 Butadiene	54	4.513	4.513	0.000	81	32912	5.00	4.37	
31 Bromomethane	94	4.879	4.879	0.000	90	24677	5.00	4.27	
32 Chloroethane	64	4.966	4.966	0.000	97	21042	5.00	4.28	
33 Dichlorofluoromethane	67	5.122	5.122	0.000	90	57338	5.00	3.89	
34 Trichlorofluoromethane	101	5.261	5.261	0.000	91	42545	5.00	3.93	
41 Acetone	43	5.661	5.661	0.000	95	41246	20.0	11.1	
63 2-Butanone (MEK)	43	7.053	7.053	0.000	98	68359	20.0	12.4	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	97	145487	20.0	9.95	
97 2-Hexanone	43	9.977	9.977	0.000	98	103258	20.0	7.45	
113 Cyclohexanone	55	11.751	11.751	0.000	94	51788	200.0	177.6	

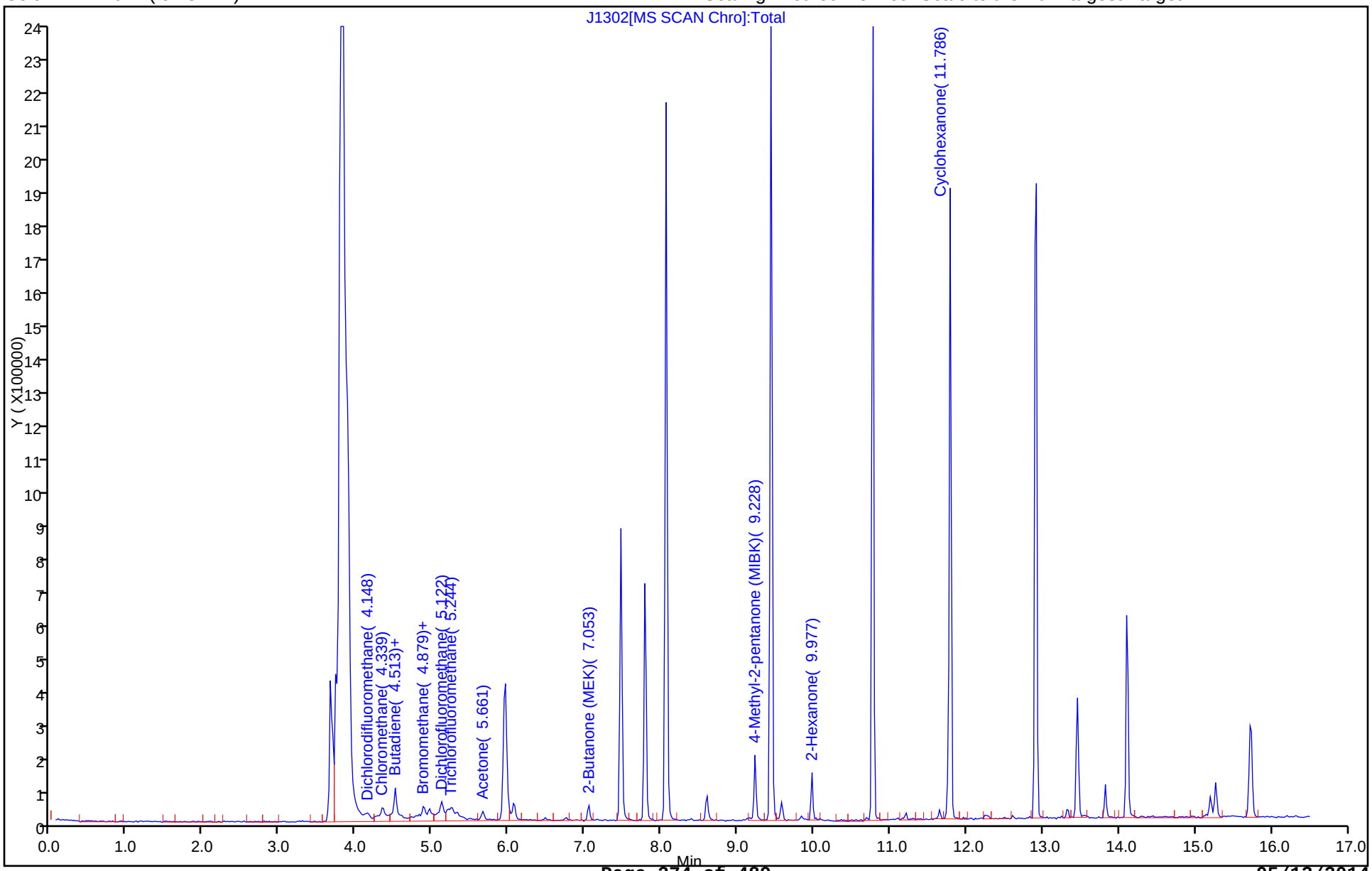
Report Date: 17-Apr-2014 22:34:07 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1302.D

Injection Date:	17-Apr-2014 17:39:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD005			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1303.D
Lims ID: STD010
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 17-Apr-2014 18:00:30 ALS Bottle#: 14 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD010
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:08 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	75	725745	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1558731	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	361907	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	555080	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	97	73251	10.0	10.7	
27 Chloromethane	50	4.357	4.357	0.000	99	90304	10.0	10.6	
147 Butadiene	54	4.513	4.513	0.000	86	69485	10.0	11.1	
28 Vinyl chloride	62	4.513	4.513	0.000	90	80620	10.0	10.8	
31 Bromomethane	94	4.879	4.879	0.000	90	51693	10.0	10.7	
32 Chloroethane	64	4.966	4.966	0.000	97	46088	10.0	11.3	
33 Dichlorofluoromethane	67	5.122	5.122	0.000	90	131316	10.0	10.7	
34 Trichlorofluoromethane	101	5.244	5.244	0.000	97	96518	10.0	10.7	
41 Acetone	43	5.662	5.662	0.000	100	105065	40.0	43.9	
63 2-Butanone (MEK)	43	7.054	7.054	0.000	99	163430	40.0	40.9	
92 4-Methyl-2-pentanone (MIBK	43	9.229	9.229	0.000	96	345466	40.0	38.5	
97 2-Hexanone	43	9.977	9.977	0.000	97	250064	40.0	37.9	
113 Cyclohexanone	55	11.752	11.752	0.000	94	129674	400.0	459.0	

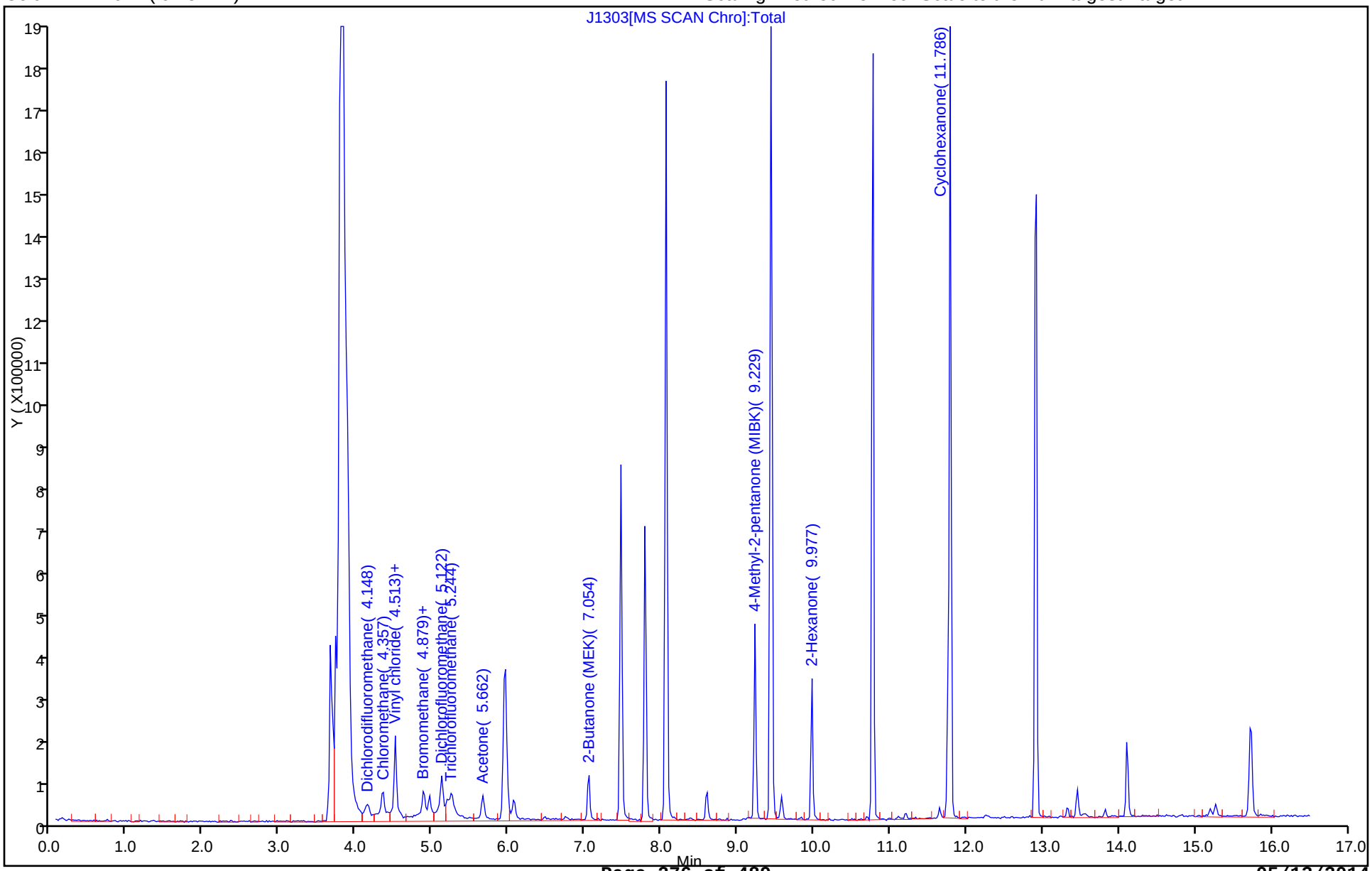
Report Date: 17-Apr-2014 22:34:08 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1303.D

Injection Date:	17-Apr-2014 18:00:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD010			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1304.D
Lims ID: STD020
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 17-Apr-2014 18:21:30 ALS Bottle#: 15 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD020
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:08 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

First Level Reviewer: dukesa Date: 17-Apr-2014 19:56:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	75	775361	1000.0	1000.0	
* 1 Fluorobenzene	96	8.062	8.062	0.000	98	1894458	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	451092	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	688489	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	96	139971	20.0	15.9	
27 Chloromethane	50	4.356	4.356	0.000	99	185666	20.0	17.8	
147 Butadiene	54	4.513	4.513	0.000	89	132889	20.0	17.4	
28 Vinyl chloride	62	4.513	4.513	0.000	97	154475	20.0	17.0	
31 Bromomethane	94	4.878	4.878	0.000	92	97436	20.0	16.6	
32 Chloroethane	64	4.965	4.965	0.000	99	83680	20.0	16.8	
33 Dichlorofluoromethane	67	5.122	5.122	0.000	90	264051	20.0	17.7	
34 Trichlorofluoromethane	101	5.244	5.244	0.000	97	184427	20.0	16.8	
41 Acetone	43	5.661	5.661	0.000	100	192771	80.0	68.8	
63 2-Butanone (MEK)	43	7.053	7.053	0.000	99	313061	80.0	66.1	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	96	677318	80.0	65.5	
97 2-Hexanone	43	9.976	9.976	0.000	98	477772	80.0	62.3	
113 Cyclohexanone	55	11.751	11.751	0.000	94	256195	800.0	703.1	

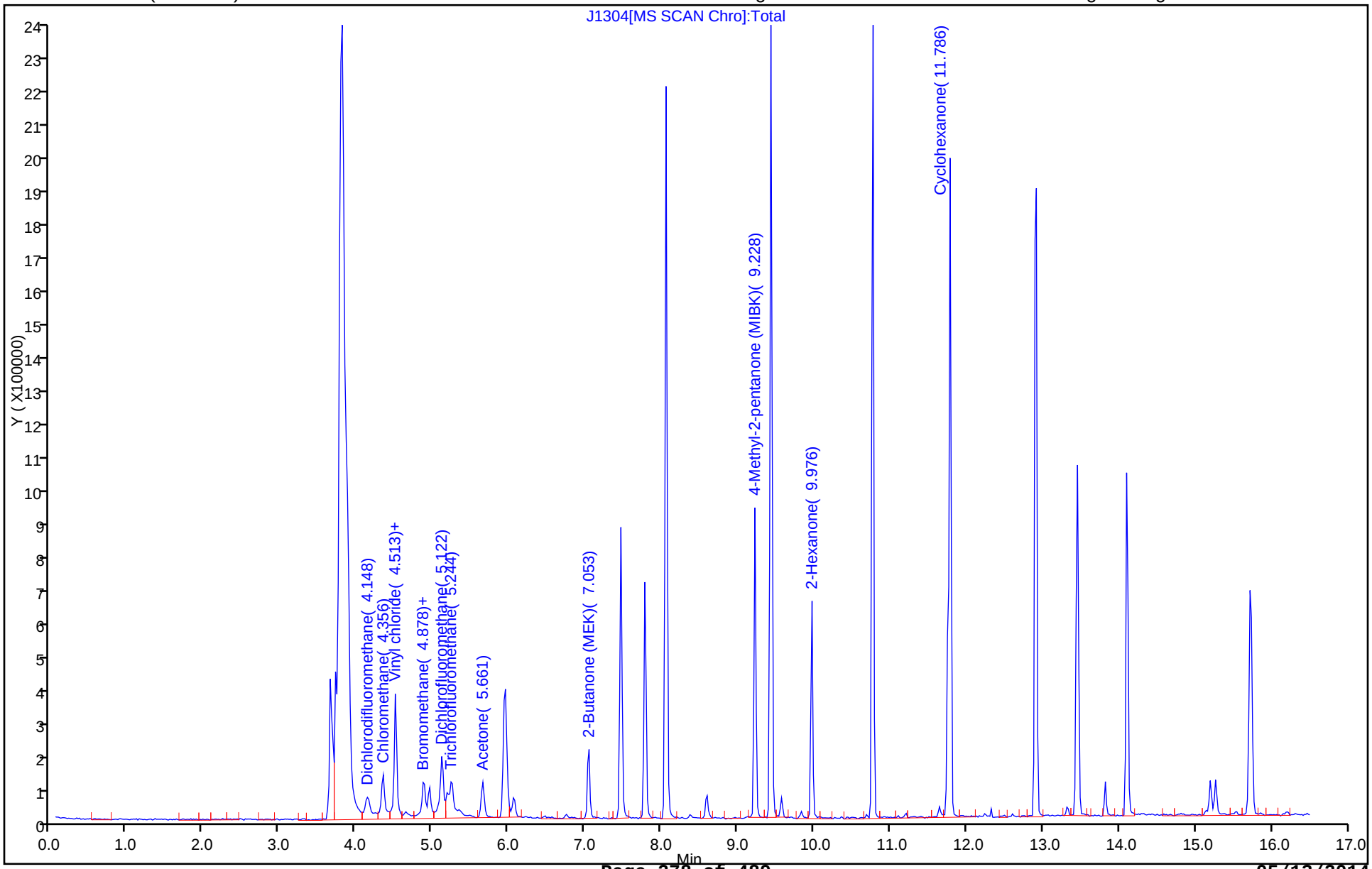
Report Date: 17-Apr-2014 22:34:09 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1304.D

Injection Date:	17-Apr-2014 18:21:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD020			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1305.D
Lims ID: STD050
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 17-Apr-2014 18:42:30 ALS Bottle#: 16 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD050
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:09 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

First Level Reviewer: dukesa Date: 17-Apr-2014 20:13:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.958	0.000	75	823266	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	98	1841915	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	434239	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	661369	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	98	514201	50.0	55.7	
27 Chloromethane	50	4.357	4.357	0.000	99	571527	50.0	56.5	
147 Butadiene	54	4.531	4.531	0.000	95	436538	50.0	58.9	
28 Vinyl chloride	62	4.513	4.513	0.000	98	499208	50.0	56.6	
31 Bromomethane	94	4.896	4.896	0.000	92	334878	50.0	58.8	
32 Chloroethane	64	4.966	4.966	0.000	99	284302	50.0	58.8	
33 Dichlorofluoromethane	67	5.140	5.140	0.000	90	818945	50.0	56.5	
34 Trichlorofluoromethane	101	5.262	5.262	0.000	96	611575	50.0	57.3	
41 Acetone	43	5.662	5.662	0.000	99	572828	200.0	220.1	
63 2-Butanone (MEK)	43	7.054	7.054	0.000	99	965075	200.0	215.7	
92 4-Methyl-2-pentanone (MIBK	43	9.229	9.229	0.000	96	2099458	200.0	220.9	
97 2-Hexanone	43	9.977	9.977	0.000	98	1508978	200.0	222.5	
113 Cyclohexanone	55	11.752	11.752	0.000	94	796076	2000.0	2176.4	

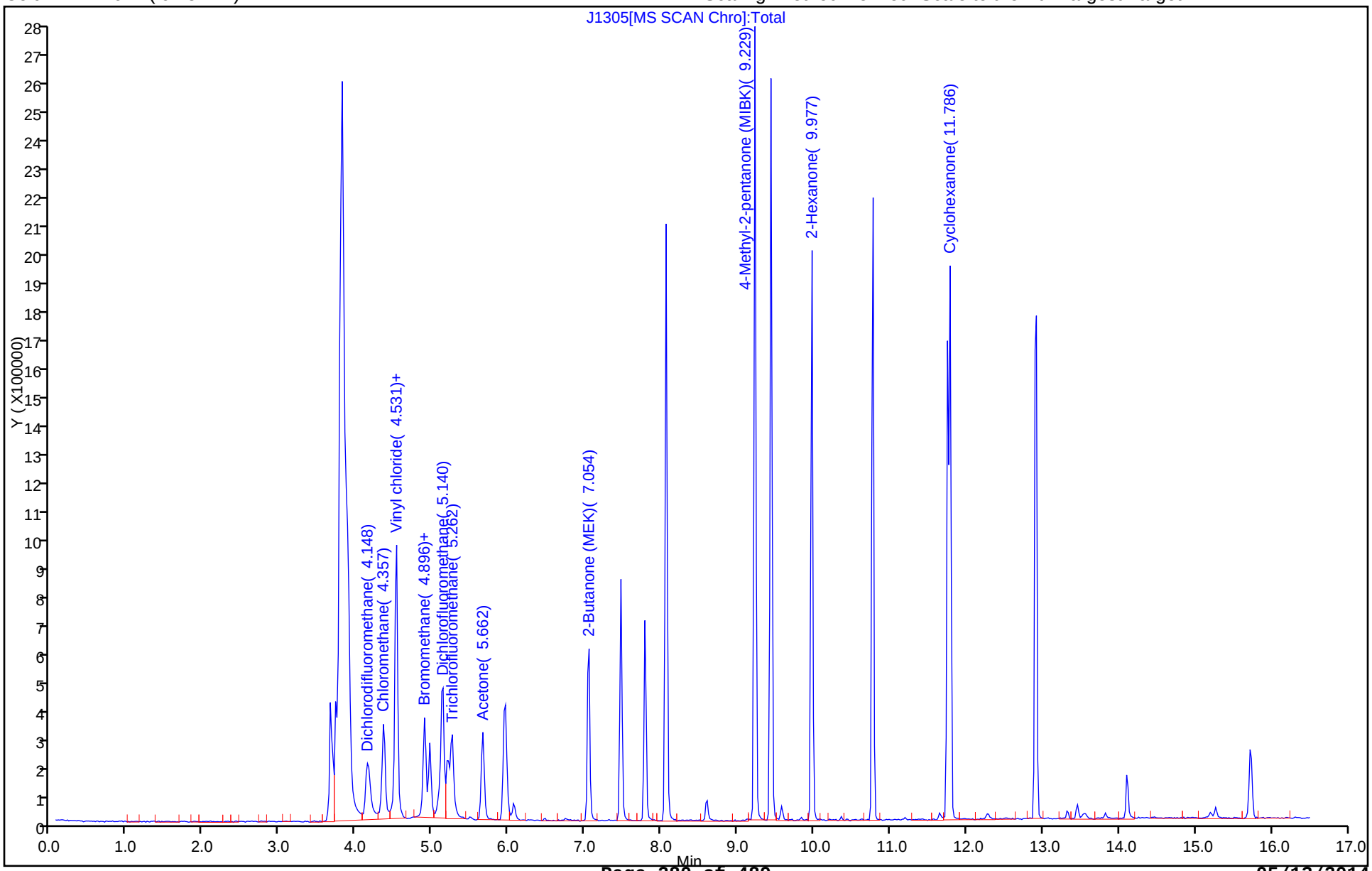
Report Date: 17-Apr-2014 22:34:10 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1305.D

Injection Date:	17-Apr-2014 18:42:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD050			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	16
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1306.D
Lims ID: STD100
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 17-Apr-2014 19:03:30 ALS Bottle#: 17 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD100
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:10 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

First Level Reviewer: dukesa Date: 17-Apr-2014 20:25:17

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	76	834897	1000.0	1000.0	
* 1 Fluorobenzene	96	8.062	8.062	0.000	98	1896562	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	83	452560	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	672927	50.0	50.0	
25 Dichlorodifluoromethane	85	4.147	4.147	0.000	98	1035318	100.0	107.4	
27 Chloromethane	50	4.374	4.374	0.000	100	1161971	100.0	111.6	
147 Butadiene	54	4.530	4.530	0.000	97	831334	100.0	109.0	
28 Vinyl chloride	62	4.530	4.530	0.000	98	991948	100.0	109.2	
31 Bromomethane	94	4.896	4.896	0.000	92	659086	100.0	112.4	
32 Chloroethane	64	4.965	4.965	0.000	98	543159	100.0	109.1	
33 Dichlorofluoromethane	67	5.139	5.139	0.000	90	1652413	100.0	110.7	
34 Trichlorofluoromethane	101	5.261	5.261	0.000	98	1219963	100.0	111.0	
41 Acetone	43	5.661	5.661	0.000	100	1112838	400.0	419.5	
63 2-Butanone (MEK)	43	7.053	7.053	0.000	99	1899326	400.0	414.8	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	96	4128137	400.0	426.9	
97 2-Hexanone	43	9.976	9.976	0.000	98	2965053	400.0	426.6	
113 Cyclohexanone	55	11.751	11.751	0.000	94	1575649	4000.0	4095.6	

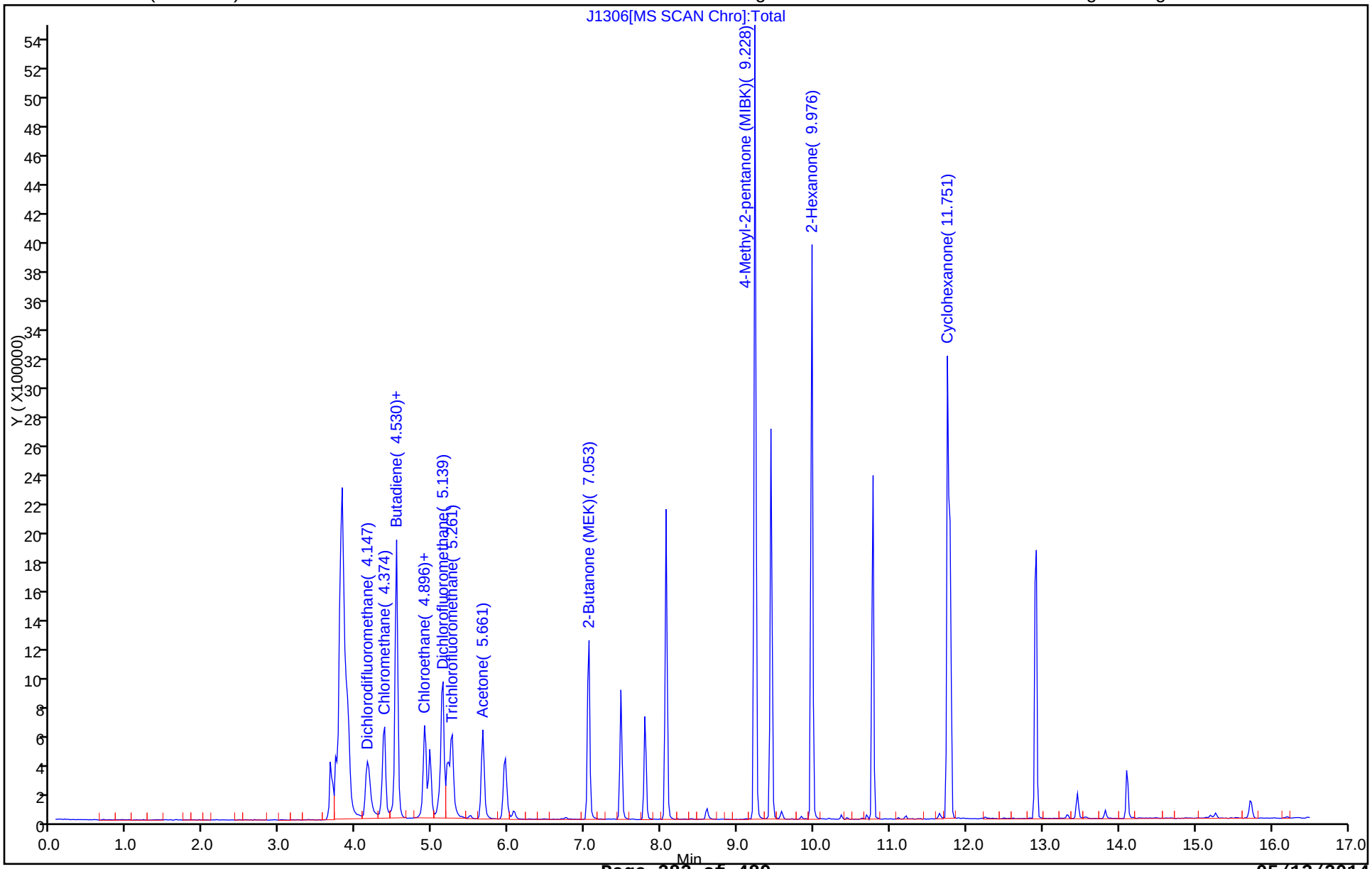
Report Date: 17-Apr-2014 22:34:10 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1306.D

Injection Date:	17-Apr-2014 19:03:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD100			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	17
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 17-Apr-2014 19:23:30 ALS Bottle#: 18 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:11 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

First Level Reviewer: dukesa Date: 17-Apr-2014 21:08:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	75	877826	1000.0	1000.0	
* 1 Fluorobenzene	96	8.062	8.062	0.000	98	1979457	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	82	475777	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	714451	50.0	50.0	
25 Dichlorodifluoromethane	85	4.148	4.148	0.000	98	1928286	200.0	190.4	
27 Chloromethane	50	4.374	4.374	0.000	100	2188426	200.0	201.4	
28 Vinyl chloride	62	4.530	4.530	0.000	98	1731546	200.0	182.6	
147 Butadiene	54	4.530	4.530	0.000	91	1417084	200.0	178.0	
31 Bromomethane	94	4.913	4.913	0.000	92	1153373	200.0	188.5	
32 Chloroethane	64	4.965	4.965	0.000	98	943713	200.0	181.6	
33 Dichlorofluoromethane	67	5.139	5.139	0.000	90	3000228	200.0	192.5	
34 Trichlorofluoromethane	101	5.261	5.261	0.000	96	2268076	200.0	197.8	
41 Acetone	43	5.661	5.661	0.000	100	2130938	800.0	773.7	
63 2-Butanone (MEK)	43	7.053	7.053	0.000	99	3764020	800.0	790.2	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	96	7857685	800.0	783.1	
97 2-Hexanone	43	9.976	9.976	0.000	98	5675279	800.0	783.3	
113 Cyclohexanone	55	11.751	11.751	0.000	93	3165479	8000.0	7788.3	

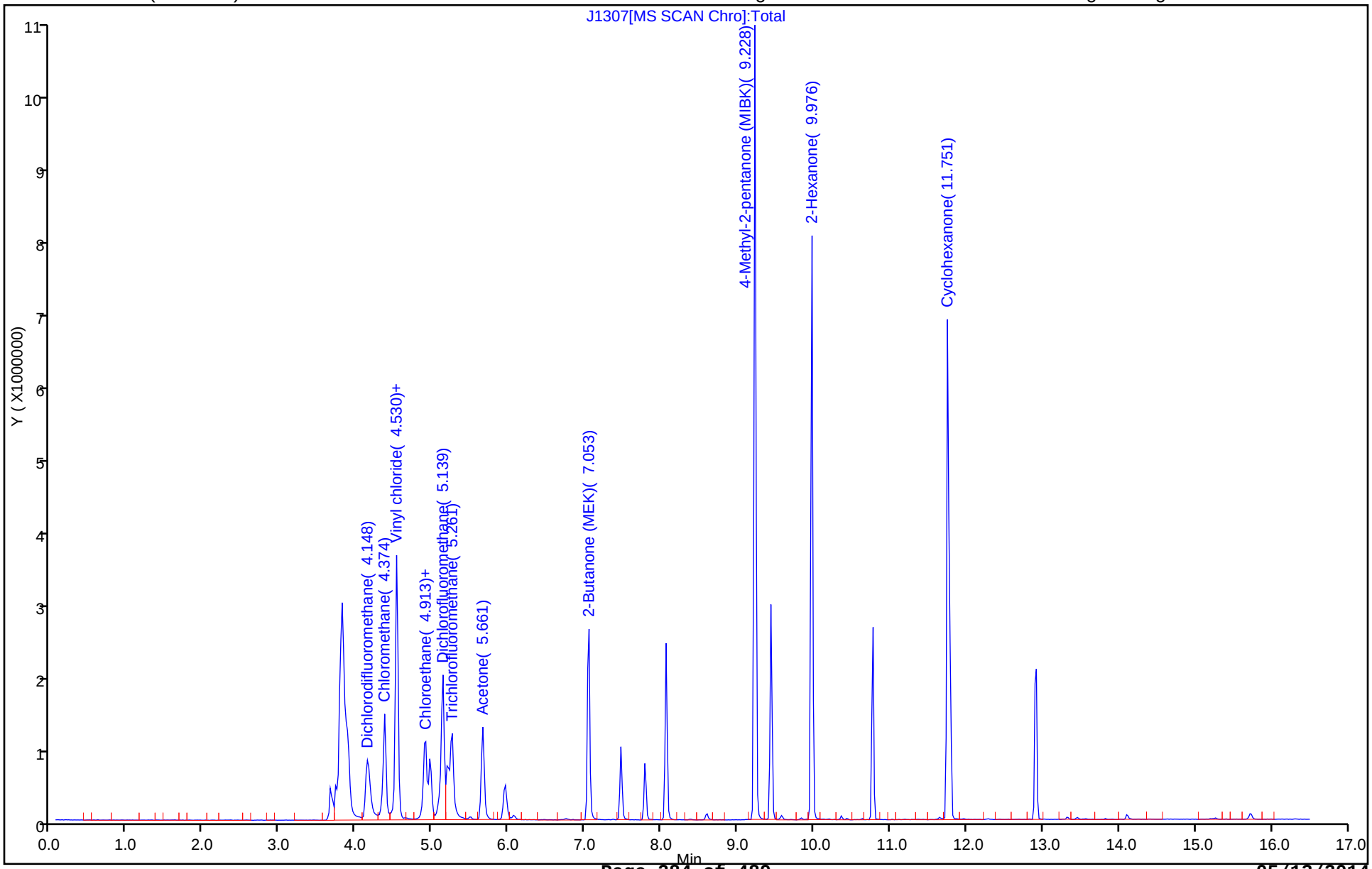
Report Date: 17-Apr-2014 22:34:11 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Injection Date:	17-Apr-2014 19:23:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	STD200			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-215641/9 Calibration Date: 03/06/2014 07:42

Instrument ID: VMS_G2 Calib Start Date: 03/05/2014 12:49

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/05/2014 14:30

Lab File ID: G2_8147.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Lin1		0.0009		462	500	-7.5	50.0
Isopropyl alcohol	Ave	0.0056	0.0051		89.7	100	-10.3	50.0
Acetonitrile	Ave	0.0107	0.0095		88.7	100	-11.3	55.0
Isopropyl ether	Ave	0.2095	0.2196		10.5	10.0	4.8	35.0
2-Chloro-1,3-butadiene	Ave	0.4909	0.5224		10.6	10.0	6.4	35.0
Tert-butyl ethyl ether	Ave	0.6197	0.6250		10.1	10.0	0.8	35.0
Ethyl acetate	Ave	0.0605	0.0834		27.6	20.0	37.8	55.0
Propionitrile	Ave	0.0117	0.0115		98.9	100	-1.1	35.0
Methacrylonitrile	Ave	0.0562	0.0568		101	100	1.1	50.0
Tert-amyl methyl ether	Ave	0.4793	0.4889		10.2	10.0	2.0	35.0
Methyl methacrylate	Ave	0.0296	0.0308		20.8	20.0	4.0	35.0
2-Nitropropane	Ave	0.0202	0.0203		20.1	20.0	0.7	55.0
cis-1,4-Dichloro-2-butene	Ave	0.1222	0.1318		10.8	10.0	7.9	55.0
Dibromofluoromethane (Surr)	Ave	0.2439	0.2545		10.4	10.0	4.3	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2000	0.2064		10.3	10.0	3.2	35.0
Toluene-d8 (Surr)	Ave	5.845	6.068		10.4	10.0	3.8	35.0
4-Bromofluorobenzene (Surr)	Ave	1.320	1.334		10.1	10.0	1.1	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140306-20706.b\G2_8147.D
Lims ID: icv Lab Sample ID: ICV 280-215641/9-A
Client ID:
Sample Type: ICV
Inject. Date: 06-Mar-2014 07:42:30 ALS Bottle#: 11 Worklist Smp#: 9
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ic
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist:

Method: \\Denchrom\ChromData\VMS_G2\20140306-20706.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 09:26:05 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 08:00:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.0	0	163361	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.0	99	1488185	12.5	
* 2 Chlorobenzene-d5	119	9.851	9.851	0.0	85	304729	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.0	95	411383	12.5	
$ 5 Dibromofluoromethane (Surr)	111	7.048	7.048	0.0	58	302974	10.4	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.341	7.334	0.007	99	245712	10.3	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.0	93	1479371	10.4	
$ 8 4-Bromofluorobenzene (Surr)	95	10.716	10.709	0.007	90	439190	10.1	
30 Ethylene oxide	43	4.635	4.635	0.0	99	1233997	2357.2	
34 Ethanol	45	4.998	5.012	-0.014	79	53217	462.3	
39 Propene oxide	58	5.250	5.250	0.0	96	1240823	508.9	
44 Isopropyl alcohol	45	5.403	5.403	0.0	89	60121	89.7	
46 Acetonitrile	41	5.599	5.599	0.0	95	113184	88.7	
58 Isopropyl ether	87	6.261	6.261	0.0	95	261423	10.5	
60 2-Chloro-1,3-butadiene	53	6.368	6.368	0.0	87	621921	10.6	
61 Tert-butyl ethyl ether	59	6.533	6.533	0.0	98	744045	10.1	
63 Ethyl acetate	43	6.654	6.654	0.0	96	198532	27.6	
64 Propionitrile	54	6.704	6.704	0.0	97	137247	98.9	
68 Methacrylonitrile	41	6.833	6.840	-0.007	91	676582	101.1	
78 Tert-amyl methyl ether	73	7.419	7.419	0.0	98	582017	10.2	
80 n-Butanol	56	7.612	7.605	0.007	82	68631	218.5	
83 Methyl methacrylate	100	8.013	8.013	0.0	89	73211	20.8	
89 2-Nitropropane	41	8.363	8.363	0.0	98	48371	20.1	
101 Tetrahydrothiophene	60	9.457	9.457	0.0	91	94123	8.72	
112 cis-1,4-Dichloro-2-butene	53	10.580	10.580	0.0	51	43369	10.8	
128 1,2,3-Trimethylbenzene	105	11.695	11.695	0.0	98	1251683	10.3	
16 1,3,5-Trichlorobenzene	180	13.004	13.004	0.0	93	488761	10.2	
146 Benzyl chloride	126		0.0					
144 n-Butyl acetate	43		0.0					
148 Ethyl acrylate	55		0.0					

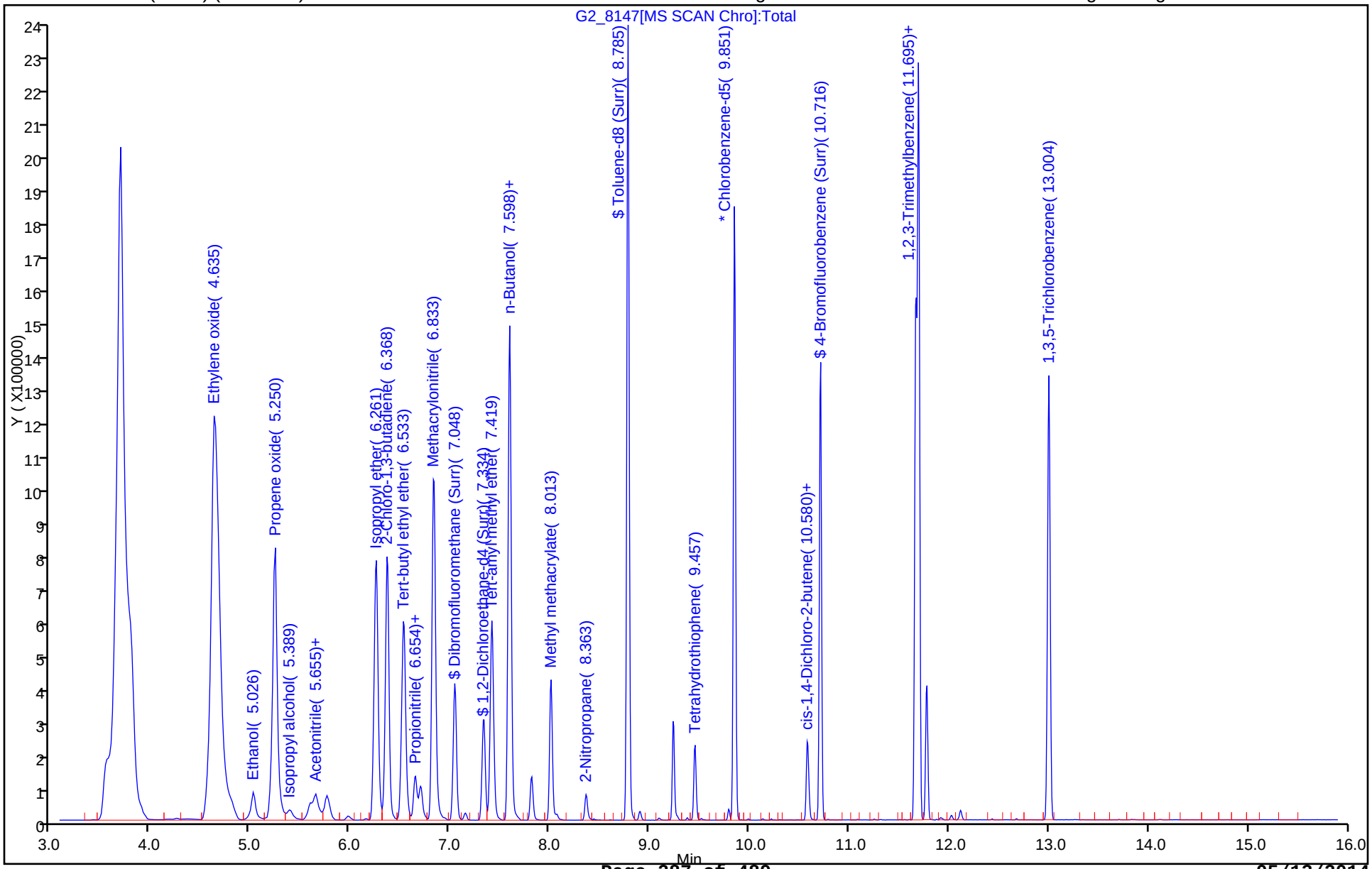
Report Date: 06-Mar-2014 09:26:05 Chrom Revision: 2.1 15-Jan-2014 14:06:26

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140306-20706.b\G2_8147.D

Injection Date:	06-Mar-2014 07:42:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	icv	Lab Sample ID:	ICV 280-215641/9-A	Worklist Smp#:	9
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-216434/17 Calibration Date: 03/12/2014 12:36

Instrument ID: VMS_G2 Calib Start Date: 03/12/2014 09:55

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/12/2014 11:56

Lab File ID: G2_8376.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3666	0.3685		10.1	10.0	0.5	20.0
Chloromethane	Ave	0.3525	0.3446	0.1000	9.78	10.0	-2.2	20.0
Vinyl chloride	Ave	0.3637	0.3752		10.3	10.0	3.2	20.0
Bromomethane	Ave	0.2481	0.2376		9.58	10.0	-4.2	20.0
Chloroethane	Ave	0.2327	0.2312		9.94	10.0	-0.6	20.0
Dichlorofluoromethane	Ave	0.5898	0.5627		9.54	10.0	-4.6	50.0
Trichlorofluoromethane	Ave	0.5034	0.4787		9.51	10.0	-4.9	20.0
Ethyl ether	Ave	0.1466	0.1304		8.89	10.0	-11.1	35.0
Acrolein	Ave	0.0107	0.0112		104	100	4.0	55.0
Acetone	Ave	0.0247	0.0241		38.9	40.0	-2.7	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2579	0.2220		8.61	10.0	-13.9	35.0
1,1-Dichloroethene	Ave	0.3069	0.2700		8.80	10.0	-12.0	20.0
Iodomethane	Ave	0.4737	0.4351		9.19	10.0	-8.1	35.0
Methyl acetate	Ave	0.0601	0.0520		43.3	50.0	-13.4	55.0
Allyl chloride	Ave	0.5116	0.4289		8.38	10.0	-16.2	35.0
Carbon disulfide	Ave	1.272	1.118		8.79	10.0	-12.1	20.0
2-Methyl-2-propanol	Ave	0.0085	0.0074		87.2	100	-12.8	50.0
Methylene Chloride	Lin2		0.2615		9.22	10.0	-7.8	20.0
Acrylonitrile	Ave	0.0301	0.0274		90.9	100	-9.1	55.0
Methyl tert-butyl ether	Ave	0.4478	0.3961		8.85	10.0	-11.5	20.0
trans-1,2-Dichloroethene	Ave	0.3394	0.3035		8.94	10.0	-10.6	20.0
Hexane	Ave	2.473	2.343		9.48	10.0	-5.2	20.0
Vinyl acetate	Ave	0.2376	0.2086		17.6	20.0	-12.2	55.0
1,1-Dichloroethane	Ave	0.5525	0.4905	0.1000	8.88	10.0	-11.2	20.0
2-Butanone (MEK)	Ave	0.0404	0.0387		38.3	40.0	-4.3	20.0
2-Butanol	Ave	0.0053	0.0048		274	300	-8.6	50.0
cis-1,2-Dichloroethene	Ave	0.3119	0.2778		8.91	10.0	-10.9	20.0
2,2-Dichloropropane	Ave	0.4640	0.4144		8.93	10.0	-10.7	20.0
Chlorobromomethane	Ave	0.1056	0.0918		8.69	10.0	-13.1	20.0
Chloroform	Ave	0.5138	0.4325		8.42	10.0	-15.8	20.0
Tetrahydrofuran	Ave	0.0224	0.0201		17.9	20.0	-10.3	55.0
Isobutyl alcohol	Ave	0.0022	0.0020		223	250	-10.9	50.0
1,1,1-Trichloroethane	Ave	0.5033	0.4239		8.42	10.0	-15.8	20.0
Cyclohexane	Ave	0.5999	0.5387		8.98	10.0	-10.2	35.0
1,1-Dichloropropene	Ave	0.4563	0.4326		9.48	10.0	-5.2	20.0
Carbon tetrachloride	Ave	0.4403	0.3808		8.65	10.0	-13.5	20.0
1,2-Dichloroethane	Ave	0.2631	0.2172		8.26	10.0	-17.4	20.0
Benzene	Ave	1.257	1.104		8.78	10.0	-12.2	20.0
Trichloroethene	Ave	0.3314	0.2977		8.98	10.0	-10.2	20.0
2-Pentanone	Ave	0.0673	0.0518		30.8	40.0	-23.1	55.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-216434/17 Calibration Date: 03/12/2014 12:36

Instrument ID: VMS_G2 Calib Start Date: 03/12/2014 09:55

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/12/2014 11:56

Lab File ID: G2_8376.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichloropropane	Ave	0.2704	0.2420		8.95	10.0	-10.5	20.0
Methylcyclohexane	Ave	0.4870	0.4336		8.90	10.0	-11.0	35.0
1,4-Dioxane	Ave	0.0007	0.0007		187	200	-6.4	55.0
Dibromomethane	Ave	0.0975	0.0836		8.58	10.0	-14.2	20.0
Dichlorobromomethane	Ave	0.3212	0.2735		8.51	10.0	-14.9	20.0
2-Chloroethyl vinyl ether	Lin1		0.0295		8.26	10.0	-17.4	55.0
cis-1,3-Dichloropropene	Ave	1.687	1.611		9.55	10.0	-4.5	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0744		38.3	40.0	-4.2	20.0
Toluene	Ave	1.305	1.177		9.02	10.0	-9.8	20.0
Ethyl methacrylate	Ave	0.7056	0.7040		9.98	10.0	-0.2	35.0
trans-1,3-Dichloropropene	Ave	0.2834	0.2543		8.97	10.0	-10.3	20.0
1,1,2-Trichloroethane	Ave	0.1360	0.1217		8.95	10.0	-10.5	20.0
2-Hexanone	Ave	0.2409	0.2449		40.7	40.0	1.7	20.0
1,3-Dichloropropane	Ave	1.200	1.066		8.88	10.0	-11.2	20.0
Tetrachloroethene	Ave	1.309	1.192		9.11	10.0	-8.9	20.0
Chlorodibromomethane	Ave	0.7774	0.7241		9.31	10.0	-6.9	20.0
Ethylene Dibromide	Ave	0.5808	0.5292		9.11	10.0	-8.9	20.0
1-Chlorohexane	Ave	2.194	2.048		9.33	10.0	-6.7	35.0
Chlorobenzene	Ave	3.737	3.278	0.3000	8.77	10.0	-12.3	20.0
1,1,1,2-Tetrachloroethane	Ave	1.123	0.995		8.86	10.0	-11.4	20.0
Ethylbenzene	Ave	2.261	2.057		9.10	10.0	-9.0	20.0
m-Xylene & p-Xylene	Ave	2.756	2.512		9.12	10.0	-8.8	20.0
Styrene	Ave	3.619	3.486		9.63	10.0	-3.7	20.0
o-Xylene	Ave	2.466	2.244		9.10	10.0	-9.0	20.0
Bromoform	Ave	0.3675	0.3355	0.1000	9.13	10.0	-8.7	20.0
Isopropylbenzene	Ave	4.872	4.459		9.15	10.0	-8.5	20.0
Cyclohexanone	Ave	0.0101	0.0103		408	400	2.0	55.0
1,1,2,2-Tetrachloroethane	Ave	0.4233	0.3883	0.3000	9.17	10.0	-8.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1045	0.1087		10.4	10.0	4.0	55.0
1,2,3-Trichloropropane	Ave	0.1191	0.1096		9.20	10.0	-8.0	20.0
Bromobenzene	Ave	0.9263	0.8322		8.98	10.0	-10.2	20.0
N-Propylbenzene	Ave	1.391	1.278		9.19	10.0	-8.1	20.0
1,3,5-Trimethylbenzene	Ave	3.895	3.591		9.22	10.0	-7.8	20.0
2-Chlorotoluene	Ave	1.077	0.9755		9.06	10.0	-9.4	20.0
4-Chlorotoluene	Ave	1.077	0.9842		9.14	10.0	-8.6	20.0
tert-Butylbenzene	Ave	4.004	3.687		9.21	10.0	-7.9	20.0
1,2,4-Trimethylbenzene	Ave	3.795	3.457		9.11	10.0	-8.9	20.0
sec-Butylbenzene	Ave	1.095	1.009		9.21	10.0	-7.9	20.0
4-Isopropyltoluene	Ave	4.438	4.077		9.19	10.0	-8.1	20.0
1,3-Dichlorobenzene	Ave	1.919	1.721		8.97	10.0	-10.3	20.0
1,4-Dichlorobenzene	Ave	1.890	1.666		8.81	10.0	-11.9	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-216434/17 Calibration Date: 03/12/2014 12:36

Instrument ID: VMS_G2 Calib Start Date: 03/12/2014 09:55

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/12/2014 11:56

Lab File ID: G2_8376.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
n-Butylbenzene	Ave	4.103	3.777		9.20	10.0	-8.0	20.0
1,2-Dichlorobenzene	Ave	1.517	1.373		9.05	10.0	-9.5	20.0
1,2-Dibromo-3-Chloropropane	Lin2		0.0548		8.93	10.0	-10.7	20.0
1,2,4-Trichlorobenzene	Ave	0.997	0.9186		9.21	10.0	-7.9	20.0
Hexachlorobutadiene	Ave	0.8046	0.7221		8.97	10.0	-10.3	20.0
Naphthalene	Ave	1.148	1.079		9.40	10.0	-6.0	20.0
1,2,3-Trichlorobenzene	Ave	0.7372	0.6642		9.01	10.0	-9.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8376.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 12-Mar-2014 12:36:30 ALS Bottle#: 25 Worklist Smp#: 17
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Operator ID: ILCZYSZYND Instrument ID: VMS_G2
Sublist:

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 06:40:04 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	247042	250.0	250.0	
* 1 Fluorobenzene	96	7.598	7.598	0.000	99	2218442	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.851	9.851	0.000	82	471316	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	80	665192	12.5	12.5	
25 Dichlorodifluoromethane	85	3.993	3.993	0.000	87	654055	10.0	10.1	
27 Chloromethane	50	4.161	4.174	-0.013	88	611620	10.0	9.78	
28 Vinyl chloride	62	4.314	4.314	0.000	74	665812	10.0	10.3	
31 Bromomethane	94	4.663	4.677	-0.014	87	421651	10.0	9.58	
32 Chloroethane	64	4.747	4.747	0.000	98	410265	10.0	9.94	
33 Dichlorofluoromethane	67	4.887	4.887	0.000	79	998702	10.0	9.54	
35 Trichlorofluoromethane	101	4.971	4.971	0.000	86	849488	10.0	9.51	
38 Ethyl ether	59	5.152	5.152	0.000	88	231379	10.0	8.89	
41 Acrolein	56	5.278	5.278	0.000	91	198236	100.0	104.0	
42 Acetone	43	5.376	5.376	0.000	100	170907	40.0	38.9	
43 1,1,2-Trichloro-1,2,2-trif	151	5.404	5.404	0.000	86	394019	10.0	8.61	
45 1,1-Dichloroethene	96	5.417	5.417	0.000	90	479091	10.0	8.80	
47 Iodomethane	142	5.585	5.585	0.000	98	772207	10.0	9.19	
48 Methyl acetate	43	5.613	5.613	0.000	88	461704	50.0	43.3	
49 3-Chloro-1-propene	41	5.669	5.669	0.000	81	761162	10.0	8.38	
50 Carbon disulfide	76	5.697	5.697	0.000	99	1984742	10.0	8.79	
51 2-Methyl-2-propanol	59	5.711	5.711	0.000	33	131322	100.0	87.2	
52 Methylene Chloride	84	5.753	5.753	0.000	80	464082	10.0	9.22	
53 Acrylonitrile	53	5.892	5.892	0.000	100	485755	100.0	90.9	
54 Methyl tert-butyl ether	73	5.934	5.948	-0.014	84	702930	10.0	8.85	
55 trans-1,2-Dichloroethene	96	5.976	5.976	0.000	96	538545	10.0	8.94	
56 Hexane	57	6.154	6.154	0.000	90	883543	10.0	9.48	
57 Vinyl acetate	43	6.225	6.225	0.000	90	740553	20.0	17.6	
59 1,1-Dichloroethane	63	6.290	6.290	0.000	85	870479	10.0	8.88	
62 2-Butanone (MEK)	43	6.654	6.654	0.000	99	274447	40.0	38.3	
65 sec-Butyl Alcohol	45	6.697	6.697	0.000	82	256832	300.0	274.3	
66 cis-1,2-Dichloroethene	96	6.719	6.719	0.000	68	493069	10.0	8.91	
67 2,2-Dichloropropane	77	6.755	6.754	0.000	81	735397	10.0	8.93	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
69 Chlorobromomethane	128	6.912	6.912	0.000	92	162892	10.0	8.69	
70 Chloroform	83	6.919	6.919	0.000	80	767625	10.0	8.42	
71 Tetrahydrofuran	42	6.948	6.948	0.000	82	71152	20.0	17.9	
72 Isobutyl alcohol	41	7.112	7.112	0.000	93	86543	250.0	222.6	
73 1,1,1-Trichloroethane	97	7.148	7.148	0.000	91	752229	10.0	8.42	
74 Cyclohexane	56	7.226	7.234	-0.008	89	956089	10.0	8.98	
75 1,1-Dichloropropene	75	7.248	7.248	0.000	90	767680	10.0	9.48	
76 Carbon tetrachloride	117	7.291	7.291	0.000	72	675860	10.0	8.65	
77 1,2-Dichloroethane	62	7.391	7.398	-0.007	87	385533	10.0	8.26	
79 Benzene	78	7.427	7.427	0.000	95	1959319	10.0	8.78	
14 n-Heptane	43	7.512	7.512	0.000	90	865155	10.0	9.05	
81 Trichloroethene	95	7.884	7.884	0.000	95	528268	10.0	8.98	
82 2-Pentanone	43	7.913	7.913	0.000	99	367476	40.0	30.8	
84 1,2-Dichloropropane	63	8.063	8.063	0.000	94	429498	10.0	8.95	
85 Methylcyclohexane	55	8.084	8.084	0.000	91	769518	10.0	8.90	
86 1,4-Dioxane	88	8.120	8.113	0.007	67	24234	200.0	187.1	
87 Dibromomethane	93	8.163	8.163	0.000	86	148361	10.0	8.58	
88 Dichlorobromomethane	83	8.235	8.235	0.000	94	485304	10.0	8.51	
90 2-Chloroethyl vinyl ether	63	8.370	8.370	0.000	86	52377	10.0	8.26	
91 cis-1,3-Dichloropropene	75	8.549	8.549	0.000	89	607244	10.0	9.55	
92 4-Methyl-2-pentanone (MIBK	43	8.606	8.606	0.000	95	528193	40.0	38.3	
93 Toluene	91	8.835	8.835	0.000	98	2089225	10.0	9.02	
94 Ethyl methacrylate	69	8.914	8.914	0.000	89	265457	10.0	9.98	
95 trans-1,3-Dichloropropene	75	8.921	8.921	0.000	94	451283	10.0	8.97	
96 1,1,2-Trichloroethane	97	9.078	9.078	0.000	85	216003	10.0	8.95	
97 2-Hexanone	43	9.193	9.193	0.000	94	369418	40.0	40.7	
98 1,3-Dichloropropane	76	9.214	9.214	0.000	89	402039	10.0	8.88	
99 Tetrachloroethene	164	9.250	9.250	0.000	93	449457	10.0	9.11	
100 Chlorodibromomethane	129	9.407	9.407	0.000	88	273013	10.0	9.31	
102 Ethylene Dibromide	107	9.536	9.536	0.000	97	199539	10.0	9.11	
103 1-Chlorohexane	91	9.765	9.765	0.000	98	772232	10.0	9.33	
104 Chlorobenzene	112	9.872	9.879	-0.007	93	1235834	10.0	8.77	
105 1,1,1,2-Tetrachloroethane	131	9.908	9.908	0.000	86	375329	10.0	8.86	
106 Ethylbenzene	106	9.915	9.915	0.000	98	775675	10.0	9.10	
107 m-Xylene & p-Xylene	106	9.994	9.994	0.000	100	947242	10.0	9.12	
109 Styrene	104	10.301	10.301	0.000	88	1314284	10.0	9.63	
108 o-Xylene	106	10.308	10.308	0.000	88	845945	10.0	9.10	
110 Bromoform	173	10.501	10.501	0.000	97	126496	10.0	9.13	
111 Isopropylbenzene	105	10.566	10.566	0.000	96	2372910	10.0	9.15	
113 Cyclohexanone	55	10.680	10.680	0.000	90	154755	400.0	408.1	
114 1,1,2,2-Tetrachloroethane	83	10.759	10.759	0.000	61	206627	10.0	9.17	
115 trans-1,4-Dichloro-2-buten	53	10.787	10.787	0.000	84	57816	10.0	10.4	
116 1,2,3-Trichloropropane	110	10.830	10.830	0.000	81	58342	10.0	9.20	
118 N-Propylbenzene	120	10.880	10.880	0.000	96	680243	10.0	9.19	
117 Bromobenzene	156	10.880	10.880	0.000	97	442837	10.0	8.98	
119 1,3,5-Trimethylbenzene	105	10.995	10.995	0.000	93	1910899	10.0	9.22	
120 2-Chlorotoluene	126	11.002	11.002	0.000	94	519120	10.0	9.06	
121 4-Chlorotoluene	126	11.080	11.080	0.000	98	523722	10.0	9.14	
122 tert-Butylbenzene	119	11.288	11.288	0.000	92	1961816	10.0	9.21	
123 1,2,4-Trimethylbenzene	105	11.316	11.316	0.000	97	1839662	10.0	9.11	
124 sec-Butylbenzene	134	11.467	11.466	0.000	94	536746	10.0	9.21	
125 4-Isopropyltoluene	119	11.559	11.559	0.000	94	2169728	10.0	9.19	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
126 1,3-Dichlorobenzene	146	11.624	11.624	0.000	97	916081	10.0	8.97	
127 1,4-Dichlorobenzene	146	11.695	11.695	0.000	86	886736	10.0	8.81	
129 n-Butylbenzene	91	11.917	11.917	0.000	95	2009778	10.0	9.20	
130 1,2-Dichlorobenzene	146	12.046	12.046	0.000	97	730628	10.0	9.05	
131 1,2-Dibromo-3-Chloropropan	157	12.775	12.775	0.000	66	29142	10.0	8.93	
132 1,2,4-Trichlorobenzene	180	13.726	13.726	0.000	93	488845	10.0	9.21	
133 Hexachlorobutadiene	225	13.883	13.883	0.000	95	384291	10.0	8.97	
134 Naphthalene	128	14.084	14.083	0.001	97	574435	10.0	9.40	
135 1,2,3-Trichlorobenzene	180	14.398	14.398	0.000	94	353438	10.0	9.01	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		20.0	17.8	
S 139 1,3-Dichloropropene, Total	1				0		20.0	18.5	
S 140 1,2-Dichloroethene, Total	1				0		20.0	17.8	
S 141 Xylenes, Total	106				0		20.0	18.2	
S 136 Trihalomethanes, Total	1				0		40.0	35.4	
S 137 Xylenes, Total (URS)	1				0		20.0	18.2	

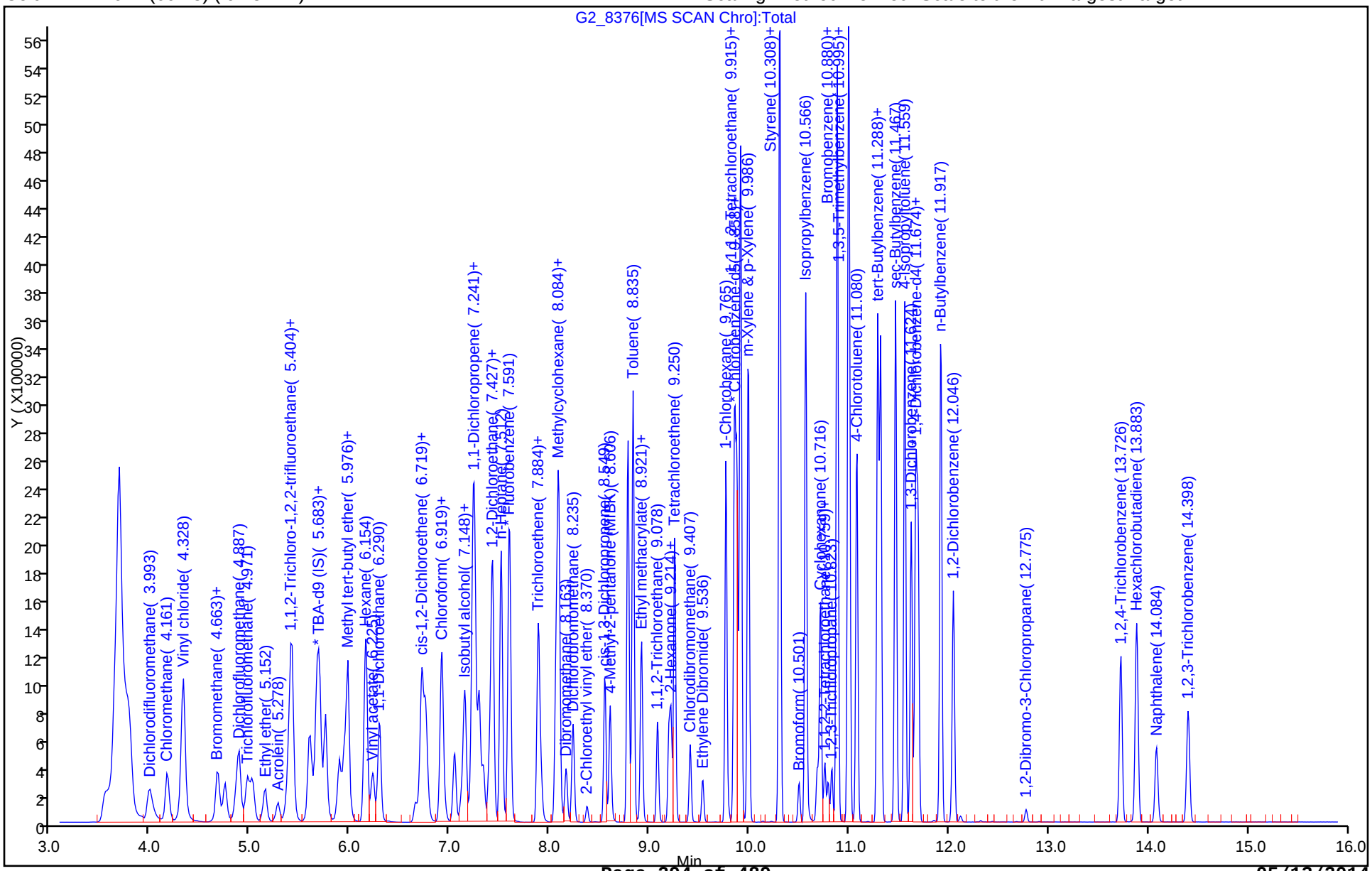
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8376.D

Injection Date:	12-Mar-2014 12:36:30	Instrument ID:	VMS_G2	Operator ID:	ILCZYSZYND
Lims ID:	icv			Worklist Smp#:	17
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-216803/13 Calibration Date: 03/14/2014 10:02

Instrument ID: VMS_G2 Calib Start Date: 03/14/2014 08:21

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/14/2014 09:42

Lab File ID: G2_8479.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2649	0.2435		9.19	10.0	-8.1	35.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2314	0.2181		9.43	10.0	-5.7	35.0
Toluene-d8 (Surr)	Ave	5.650	5.016		8.88	10.0	-11.2	35.0
4-Bromofluorobenzene (Surr)	Ave	1.248	1.086		8.70	10.0	-13.0	35.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8479.D
Lims ID: icv
Client ID:
Sample Type: ICV
Inject. Date: 14-Mar-2014 10:02:30 ALS Bottle#: 18 Worklist Smp#: 13
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: icv
Operator ID: ilczyszynd Instrument ID: VMS_G2
Sublist:

Method: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 29-Apr-2014 07:01:08 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK025

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.655	5.655	0.000	0	222361	250.0	250.0	
* 1 Fluorobenzene	96	7.591	7.591	0.000	99	1753575	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.850	9.850	0.000	86	389227	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.667	11.667	0.000	95	555079	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.047	7.047	0.000	58	341591	10.0	9.19	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.334	7.334	0.000	96	305982	10.0	9.43	
$ 7 Toluene-d8 (Surr)	98	8.785	8.785	0.000	93	1561815	10.0	8.88	
$ 8 4-Bromofluorobenzene (Surr	95	10.716	10.716	0.000	90	482258	10.0	8.70	

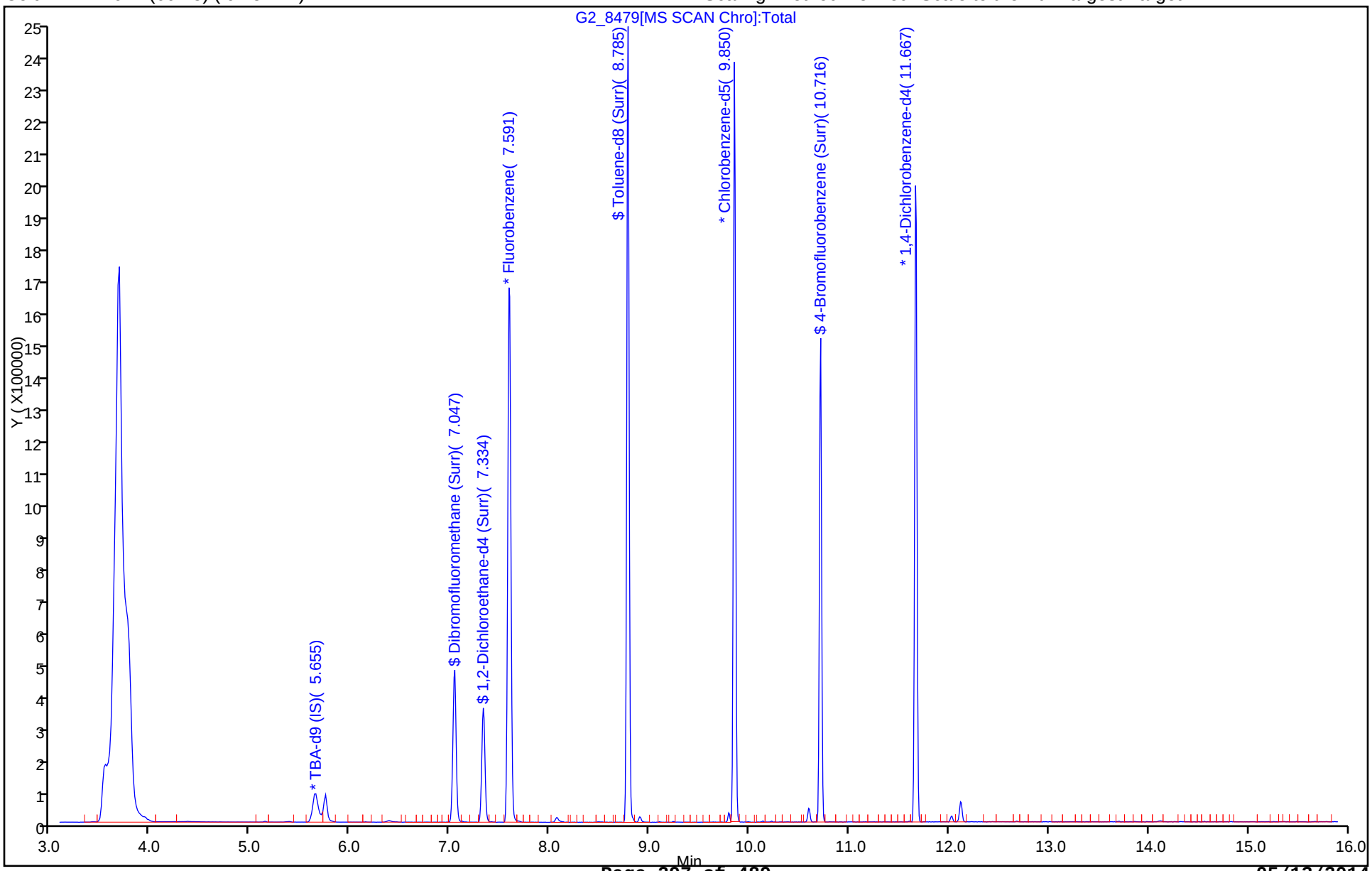
Report Date: 29-Apr-2014 07:01:08 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8479.D

Injection Date:	14-Mar-2014 10:02:30	Instrument ID:	VMS_G2	Operator ID:	ilczyszynd
Lims ID:	icv			Worklist Smp#:	13
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	18
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222940/2 Calibration Date: 04/25/2014 17:47

Instrument ID: VMS_G2 Calib Start Date: 03/12/2014 09:55

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/12/2014 11:56

Lab File ID: G2_0015.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3666	0.4229		11.5	10.0	15.3	20.0
Vinyl chloride	Ave	0.3637	0.4320		11.9	10.0	18.8	20.0
Bromomethane	Ave	0.2481	0.2659		10.7	10.0	7.2	20.0
Chloroethane	Ave	0.2327	0.2580		11.1	10.0	10.9	20.0
Dichlorofluoromethane	Ave	0.5898	0.6438		10.9	10.0	9.1	50.0
Trichlorofluoromethane	Ave	0.5034	0.5319		10.6	10.0	5.7	20.0
Ethyl ether	Ave	0.1466	0.1332		9.09	10.0	-9.1	35.0
Acrolein	Ave	0.0107	0.0111		103	99.7	3.0	50.0
Acetone	Ave	0.0247	0.0268		43.3	40.0	8.2	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2579	0.2295		8.90	10.0	-11.0	50.0
1,1-Dichloroethene	Ave	0.3069	0.2809		9.15	10.0	-8.5	20.0
Iodomethane	Ave	0.4737	0.4365		9.22	10.0	-7.8	35.0
Methyl acetate	Ave	0.0601	0.0590		49.1	50.0	-1.8	50.0
Allyl chloride	Ave	0.5116	0.4903		9.58	10.0	-4.2	35.0
Carbon disulfide	Ave	1.272	1.209		9.51	10.0	-4.9	20.0
2-Methyl-2-propanol	Ave	0.0085	0.0074		87.6	100	-12.4	50.0
Methylene Chloride	Lin2		0.2652		9.37	10.0	-6.3	20.0
Acrylonitrile	Ave	0.0301	0.0273		90.8	100	-9.2	50.0
Methyl tert-butyl ether	Ave	0.4478	0.4132		9.23	10.0	-7.7	20.0
trans-1,2-Dichloroethene	Ave	0.3394	0.2995		8.82	10.0	-11.8	20.0
Hexane	Ave	2.473	2.278		9.21	10.0	-7.9	20.0
Vinyl acetate	Ave	0.2376	0.2012		16.9	20.0	-15.3	50.0
1,1-Dichloroethane	Ave	0.5525	0.5168	0.1000	9.35	10.0	-6.5	20.0
2-Butanone (MEK)	Ave	0.0404	0.0431		42.7	40.0	6.6	20.0
2-Butanol	Ave	0.0053	0.0048		274	300	-8.8	50.0
cis-1,2-Dichloroethene	Ave	0.3119	0.2763		8.86	10.0	-11.4	20.0
2,2-Dichloropropane	Ave	0.4640	0.4642		10.0	10.0	0.0	20.0
Chlorobromomethane	Ave	0.1056	0.0944		8.93	10.0	-10.7	20.0
Chloroform	Ave	0.5138	0.4578		8.91	10.0	-10.9	20.0
Tetrahydrofuran	Ave	0.0224	0.0200		17.9	20.0	-10.6	50.0
Isobutyl alcohol	Ave	0.0022	0.0021		237	100	137.3*	50.0
1,1,1-Trichloroethane	Ave	0.5033	0.4639		9.22	10.0	-7.8	20.0
Cyclohexane	Ave	0.5999	0.5521		9.20	10.0	-8.0	35.0
1,1-Dichloropropene	Ave	0.4563	0.4176		9.15	10.0	-8.5	20.0
Carbon tetrachloride	Ave	0.4403	0.4111		9.34	10.0	-6.6	20.0
1,2-Dichloroethane	Ave	0.2631	0.2453		9.33	10.0	-6.7	20.0
Benzene	Ave	1.257	1.078		8.57	10.0	-14.3	20.0
Trichloroethene	Ave	0.3314	0.2897		8.74	10.0	-12.6	20.0
2-Pentanone	Ave	0.0673	0.0526		31.2	40.0	-21.9	50.0
1,2-Dichloropropane	Ave	0.2704	0.2397		8.86	10.0	-11.4	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222940/2 Calibration Date: 04/25/2014 17:47

Instrument ID: VMS_G2 Calib Start Date: 03/12/2014 09:55

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/12/2014 11:56

Lab File ID: G2_0015.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Methylcyclohexane	Ave	0.4870	0.4385		9.00	10.0	-10.0	35.0
1,4-Dioxane	Ave	0.0007	0.0007		195	200	-2.6	50.0
Dibromomethane	Ave	0.0975	0.0860		8.82	10.0	-11.8	20.0
Dichlorobromomethane	Ave	0.3212	0.2860		8.91	10.0	-10.9	20.0
2-Chloroethyl vinyl ether	Lin1		0.0317		8.82	10.0	-11.8	50.0
cis-1,3-Dichloropropene	Ave	1.687	1.531		9.08	10.0	-9.2	20.0
4-Methyl-2-pentanone (MIBK)	Ave	0.0776	0.0839		43.2	40.0	8.0	20.0
Toluene	Ave	1.305	1.168		8.95	10.0	-10.5	20.0
Ethyl methacrylate	Ave	0.7056	0.6225		8.82	10.0	-11.8	35.0
trans-1,3-Dichloropropene	Ave	0.2834	0.2674		9.43	10.0	-5.7	20.0
1,1,2-Trichloroethane	Ave	0.1360	0.1211		8.90	10.0	-11.0	20.0
2-Hexanone	Ave	0.2409	0.2780		46.2	40.0	15.4	20.0
1,3-Dichloropropane	Ave	1.200	1.095		9.12	10.0	-8.8	20.0
Tetrachloroethene	Ave	1.309	1.169		8.93	10.0	-10.7	20.0
Chlorodibromomethane	Ave	0.7774	0.7018		9.03	10.0	-9.7	20.0
Ethylene Dibromide	Ave	0.5808	0.5212		8.97	10.0	-10.3	20.0
1-Chlorohexane	Ave	2.194	2.016		9.19	10.0	-8.1	35.0
Chlorobenzene	Ave	3.737	3.311	0.3000	8.86	10.0	-11.4	20.0
1,1,1,2-Tetrachloroethane	Ave	1.123	1.019		9.07	10.0	-9.3	20.0
Ethylbenzene	Ave	2.261	2.044		9.04	10.0	-9.6	20.0
m-Xylene & p-Xylene	Ave	2.756	2.490		9.04	10.0	-9.6	20.0
o-Xylene	Ave	2.466	2.286		9.27	10.0	-7.3	20.0
Styrene	Ave	3.619	3.294		9.10	10.0	-9.0	20.0
Bromoform	Ave	0.3675	0.3227	0.1000	8.78	10.0	-12.2	20.0
Isopropylbenzene	Ave	4.872	4.580		9.40	10.0	-6.0	20.0
Cyclohexanone	Ave	0.0101	0.0103		410	400	2.6	50.0
1,1,2,2-Tetrachloroethane	Ave	0.4233	0.3742	0.3000	8.84	10.0	-11.6	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1045	0.0993		9.50	10.0	-5.0	50.0
1,2,3-Trichloropropane	Ave	0.1191	0.1104		9.27	10.0	-7.3	20.0
Bromobenzene	Ave	0.9263	0.8468		9.14	10.0	-8.6	20.0
N-Propylbenzene	Ave	1.391	1.283		9.23	10.0	-7.7	20.0
1,3,5-Trimethylbenzene	Ave	3.895	3.667		9.42	10.0	-5.8	20.0
2-Chlorotoluene	Ave	1.077	1.007		9.35	10.0	-6.5	20.0
4-Chlorotoluene	Ave	1.077	1.003		9.31	10.0	-6.9	20.0
tert-Butylbenzene	Ave	4.004	3.726		9.30	10.0	-7.0	20.0
1,2,4-Trimethylbenzene	Ave	3.795	3.598		9.48	10.0	-5.2	20.0
sec-Butylbenzene	Ave	1.095	1.018		9.29	10.0	-7.1	20.0
4-Isopropyltoluene	Ave	4.438	4.267		9.61	10.0	-3.9	20.0
1,3-Dichlorobenzene	Ave	1.919	1.758		9.16	10.0	-8.4	20.0
1,4-Dichlorobenzene	Ave	1.890	1.680		8.88	10.0	-11.2	20.0
n-Butylbenzene	Ave	4.103	3.938		9.60	10.0	-4.0	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222940/2 Calibration Date: 04/25/2014 17:47

Instrument ID: VMS_G2 Calib Start Date: 03/12/2014 09:55

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/12/2014 11:56

Lab File ID: G2_0015.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2-Dichlorobenzene	Ave	1.517	1.388		9.15	10.0	-8.5	20.0
1,2-Dibromo-3-Chloropropane	Lin2		0.0503		8.23	10.0	-17.7	20.0
1,2,4-Trichlorobenzene	Ave	0.997	0.9350		9.38	10.0	-6.2	20.0
Hexachlorobutadiene	Ave	0.8046	0.7361		9.15	10.0	-8.5	20.0
Naphthalene	Ave	1.148	1.043		9.08	10.0	-9.2	20.0
1,2,3-Trichlorobenzene	Ave	0.7372	0.6774		9.19	10.0	-8.1	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0015.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Apr-2014 17:47:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Operator ID: DUKESA Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub90

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:05:18 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 18:28:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.627	5.627	0.000	0	248595	250.0	250.0	
* 1 Fluorobenzene	96	7.555	7.555	0.000	98	2162781	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.800	9.800	0.000	82	469939	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.602	11.602	0.000	79	661769	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.012	7.012	0.000	58	415766	10.0	9.17	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.298	7.298	0.000	90	388930	10.0	9.78	
$ 7 Toluene-d8 (Surr)	98	8.735	8.735	0.000	93	1903130	10.0	9.49	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	87	600203	10.0	9.62	
25 Dichlorodifluoromethane	85	3.965	3.965	0.000	87	731703	10.0	11.5	
27 Chloromethane	50		4.161						
28 Vinyl chloride	62	4.314	4.314	0.000	82	747500	10.0	11.9	
31 Bromomethane	94	4.663	4.663	0.000	88	459987	10.0	10.7	
32 Chloroethane	64	4.733	4.733	0.000	95	446394	10.0	11.1	
33 Dichlorofluoromethane	67	4.873	4.873	0.000	75	1113853	10.0	10.9	
35 Trichlorofluoromethane	101	4.998	4.998	0.000	85	920228	10.0	10.6	
38 Ethyl ether	59	5.124	5.124	0.000	91	230486	10.0	9.09	
41 Acrolein	56	5.250	5.250	0.000	91	190808	99.7	102.7	
42 Acetone	43	5.348	5.348	0.000	98	185354	40.0	43.3	
45 1,1-Dichloroethene	96	5.389	5.389	0.000	88	485978	10.0	9.15	
43 1,1,2-Trichloro-1,2,2-trif	151	5.389	5.389	0.000	87	397092	10.0	8.90	
47 Iodomethane	142	5.571	5.571	0.000	99	755298	10.0	9.22	
48 Methyl acetate	43	5.585	5.585	0.000	97	510368	50.0	49.1	
49 3-Chloro-1-propene	41	5.641	5.641	0.000	80	848245	10.0	9.58	
50 Carbon disulfide	76	5.669	5.669	0.000	99	2092130	10.0	9.51	
51 2-Methyl-2-propanol	59	5.683	5.683	0.000	33	128574	100.0	87.6	
52 Methylene Chloride	84	5.725	5.725	0.000	84	458800	10.0	9.37	
53 Acrylonitrile	53	5.864	5.864	0.000	99	473089	100.0	90.8	
54 Methyl tert-butyl ether	73	5.920	5.920	0.000	89	714880	10.0	9.23	
55 trans-1,2-Dichloroethene	96	5.948	5.948	0.000	94	518144	10.0	8.82	
56 Hexane	57	6.125	6.125	0.000	93	856259	10.0	9.21	
57 Vinyl acetate	43	6.197	6.197	0.000	90	696348	20.0	16.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
59 1,1-Dichloroethane	63	6.261	6.261	0.000	85	894124	10.0	9.35	
62 2-Butanone (MEK)	43	6.626	6.626	0.000	99	298317	40.0	42.7	
65 sec-Butyl Alcohol	45	6.661	6.661	0.000	97	249884	300.0	273.7	
66 cis-1,2-Dichloroethene	96	6.683	6.683	0.000	69	478114	10.0	8.86	
67 2,2-Dichloropropane	77	6.726	6.726	0.000	81	803199	10.0	10.0	
69 Chlorobromomethane	128	6.876	6.876	0.000	94	163298	10.0	8.93	
70 Chloroform	83	6.883	6.883	0.000	81	792136	10.0	8.91	
71 Tetrahydrofuran	42	6.912	6.912	0.000	82	69129	20.0	17.9	
72 Isobutyl alcohol	41	7.069	7.069	0.000	82	35977	100.0	237.3	
73 1,1,1-Trichloroethane	97	7.112	7.112	0.000	91	802693	10.0	9.22	
74 Cyclohexane	56	7.198	7.198	0.000	91	955274	10.0	9.20	
75 1,1-Dichloropropene	75	7.212	7.212	0.000	88	722530	10.0	9.15	
76 Carbon tetrachloride	117	7.255	7.255	0.000	74	711332	10.0	9.34	
77 1,2-Dichloroethane	62	7.355	7.355	0.000	85	424483	10.0	9.33	
79 Benzene	78	7.384	7.384	0.000	92	1864941	10.0	8.57	
14 n-Heptane	43	7.469	7.469	0.000	91	867912	10.0	9.31	
81 Trichloroethene	95	7.841	7.841	0.000	94	501238	10.0	8.74	
82 2-Pentanone	43	7.870	7.870	0.000	98	363757	40.0	31.2	
84 1,2-Dichloropropane	63	8.020	8.020	0.000	91	414670	10.0	8.86	
85 Methylcyclohexane	55	8.049	8.049	0.000	90	758724	10.0	9.00	
86 1,4-Dioxane	88	8.070	8.070	0.000	67	24584	200.0	194.7	
87 Dibromomethane	93	8.120	8.120	0.000	90	148783	10.0	8.82	
88 Dichlorobromomethane	83	8.184	8.184	0.000	94	494880	10.0	8.91	
90 2-Chloroethyl vinyl ether	63	8.327	8.327	0.000	88	54839	10.0	8.82	
91 cis-1,3-Dichloropropene	75	8.506	8.506	0.000	89	575744	10.0	9.08	
92 4-Methyl-2-pentanone (MIBK	43	8.556	8.556	0.000	96	580432	40.0	43.2	
93 Toluene	91	8.785	8.785	0.000	98	2021097	10.0	8.95	
94 Ethyl methacrylate	69	8.864	8.864	0.000	89	234033	10.0	8.82	
95 trans-1,3-Dichloropropene	75	8.871	8.871	0.000	94	462590	10.0	9.43	
96 1,1,2-Trichloroethane	97	9.035	9.035	0.000	88	209490	10.0	8.90	
97 2-Hexanone	43	9.143	9.143	0.000	96	418110	40.0	46.2	
98 1,3-Dichloropropane	76	9.164	9.164	0.000	94	411570	10.0	9.12	
99 Tetrachloroethene	164	9.207	9.207	0.000	92	439424	10.0	8.93	
100 Chlorodibromomethane	129	9.357	9.357	0.000	89	263835	10.0	9.03	
102 Ethylene Dibromide	107	9.479	9.479	0.000	97	195926	10.0	8.97	
103 1-Chlorohexane	91	9.715	9.715	0.000	98	758013	10.0	9.19	
104 Chlorobenzene	112	9.822	9.822	0.000	93	1244587	10.0	8.86	
105 1,1,1,2-Tetrachloroethane	131	9.858	9.858	0.000	82	383067	10.0	9.07	
106 Ethylbenzene	106	9.865	9.865	0.000	98	768401	10.0	9.04	
107 m-Xylene & p-Xylene	106	9.936	9.936	0.000	99	936056	10.0	9.04	
108 o-Xylene	106	10.251	10.251	0.000	89	859550	10.0	9.27	
109 Styrene	104	10.251	10.251	0.000	86	1238284	10.0	9.10	
110 Bromoform	173	10.444	10.444	0.000	97	121324	10.0	8.78	
111 Isopropylbenzene	105	10.508	10.508	0.000	96	2424675	10.0	9.40	
113 Cyclohexanone	55	10.623	10.623	0.000	86	155105	400.0	410.3	
114 1,1,2,2-Tetrachloroethane	83	10.701	10.701	0.000	86	198098	10.0	8.84	
115 trans-1,4-Dichloro-2-buten	53	10.730	10.730	0.000	78	52559	10.0	9.50	
116 1,2,3-Trichloropropane	110	10.766	10.766	0.000	77	58426	10.0	9.27	
118 N-Propylbenzene	120	10.823	10.823	0.000	96	679300	10.0	9.23	
117 Bromobenzene	156	10.823	10.823	0.000	98	448327	10.0	9.14	
119 1,3,5-Trimethylbenzene	105	10.930	10.930	0.000	92	1941586	10.0	9.42	
120 2-Chlorotoluene	126	10.944	10.944	0.000	95	533146	10.0	9.35	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 4-Chlorotoluene	126	11.016	11.016	0.000	98	531037	10.0	9.31	
122 tert-Butylbenzene	119	11.223	11.223	0.000	92	1972385	10.0	9.30	
123 1,2,4-Trimethylbenzene	105	11.252	11.252	0.000	98	1904822	10.0	9.48	
124 sec-Butylbenzene	134	11.402	11.402	0.000	95	538855	10.0	9.29	
125 4-Isopropyltoluene	119	11.495	11.495	0.000	95	2258806	10.0	9.61	
126 1,3-Dichlorobenzene	146	11.559	11.559	0.000	89	930531	10.0	9.16	
127 1,4-Dichlorobenzene	146	11.624	11.624	0.000	93	889175	10.0	8.88	
129 n-Butylbenzene	91	11.845	11.845	0.000	95	2084595	10.0	9.60	
130 1,2-Dichlorobenzene	146	11.974	11.974	0.000	96	734946	10.0	9.15	
131 1,2-Dibromo-3-Chloropropan	157	12.696	12.696	0.000	66	26642	10.0	8.23	
132 1,2,4-Trichlorobenzene	180	13.626	13.626	0.000	92	495013	10.0	9.38	
133 Hexachlorobutadiene	225	13.783	13.783	0.000	96	389680	10.0	9.15	
134 Naphthalene	128	13.976	13.976	0.000	97	552130	10.0	9.08	
135 1,2,3-Trichlorobenzene	180	14.291	14.291	0.000	93	358620	10.0	9.19	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		20.0	17.7	
S 139 1,3-Dichloropropene, Total	1				0		20.0	18.5	
S 140 1,2-Dichloroethene, Total	1				0		20.0	17.7	
S 141 Xylenes, Total	106				0		20.0	18.3	
S 136 Trihalomethanes, Total	1				0		40.0	35.6	
S 137 Xylenes, Total (URS)	1				0		20.0	18.3	
S 138 Total BTEX	1				0			44.9	

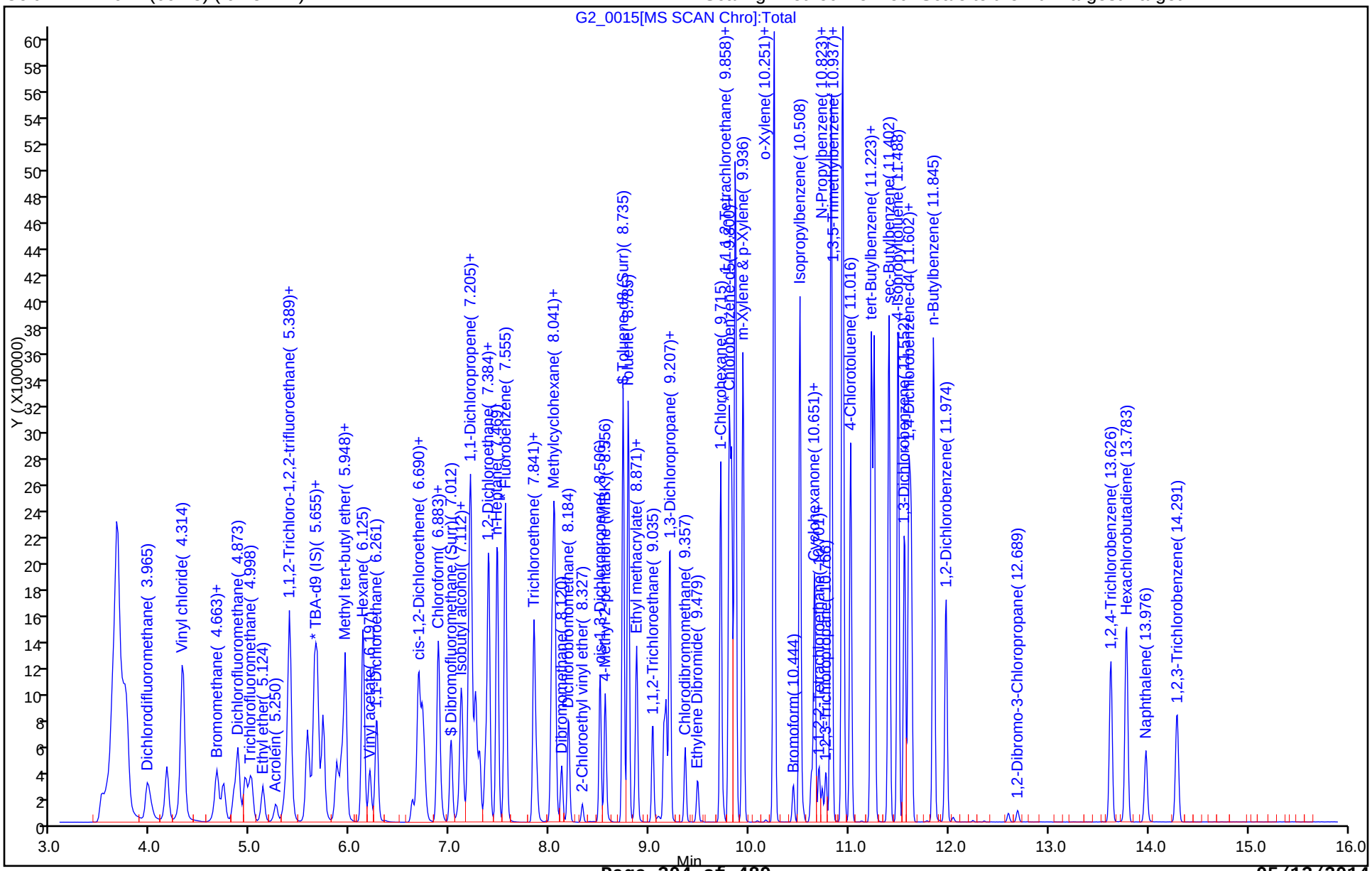
Report Date: 28-Apr-2014 16:05:18 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0015.D

Injection Date:	25-Apr-2014 17:47:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222940/2 Calibration Date: 04/25/2014 17:47

Instrument ID: VMS_G2 Calib Start Date: 03/14/2014 08:21

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/14/2014 09:42

Lab File ID: G2_0015.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2649	0.2403		9.17	10.0	-8.3	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2314	0.2248		9.78	10.0	-2.2	20.0
Toluene-d8 (Surr)	Ave	5.650	5.062		9.49	10.0	-5.1	20.0
4-Bromofluorobenzene (Surr)	Ave	1.248	1.134		9.62	10.0	-3.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0015.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Apr-2014 17:47:30 ALS Bottle#: 1 Worklist Smp#: 2
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Operator ID: DUKESA Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub90

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:05:18 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 18:28:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.627	5.627	0.000	0	248595	250.0	250.0	
* 1 Fluorobenzene	96	7.555	7.555	0.000	98	2162781	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.800	9.800	0.000	82	469939	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.602	11.602	0.000	79	661769	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.012	7.012	0.000	58	415766	10.0	9.17	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.298	7.298	0.000	90	388930	10.0	9.78	
$ 7 Toluene-d8 (Surr)	98	8.735	8.735	0.000	93	1903130	10.0	9.49	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	87	600203	10.0	9.62	
25 Dichlorodifluoromethane	85	3.965	3.965	0.000	87	731703	10.0	11.5	
27 Chloromethane	50		4.161						
28 Vinyl chloride	62	4.314	4.314	0.000	82	747500	10.0	11.9	
31 Bromomethane	94	4.663	4.663	0.000	88	459987	10.0	10.7	
32 Chloroethane	64	4.733	4.733	0.000	95	446394	10.0	11.1	
33 Dichlorofluoromethane	67	4.873	4.873	0.000	75	1113853	10.0	10.9	
35 Trichlorofluoromethane	101	4.998	4.998	0.000	85	920228	10.0	10.6	
38 Ethyl ether	59	5.124	5.124	0.000	91	230486	10.0	9.09	
41 Acrolein	56	5.250	5.250	0.000	91	190808	99.7	102.7	
42 Acetone	43	5.348	5.348	0.000	98	185354	40.0	43.3	
45 1,1-Dichloroethene	96	5.389	5.389	0.000	88	485978	10.0	9.15	
43 1,1,2-Trichloro-1,2,2-trif	151	5.389	5.389	0.000	87	397092	10.0	8.90	
47 Iodomethane	142	5.571	5.571	0.000	99	755298	10.0	9.22	
48 Methyl acetate	43	5.585	5.585	0.000	97	510368	50.0	49.1	
49 3-Chloro-1-propene	41	5.641	5.641	0.000	80	848245	10.0	9.58	
50 Carbon disulfide	76	5.669	5.669	0.000	99	2092130	10.0	9.51	
51 2-Methyl-2-propanol	59	5.683	5.683	0.000	33	128574	100.0	87.6	
52 Methylene Chloride	84	5.725	5.725	0.000	84	458800	10.0	9.37	
53 Acrylonitrile	53	5.864	5.864	0.000	99	473089	100.0	90.8	
54 Methyl tert-butyl ether	73	5.920	5.920	0.000	89	714880	10.0	9.23	
55 trans-1,2-Dichloroethene	96	5.948	5.948	0.000	94	518144	10.0	8.82	
56 Hexane	57	6.125	6.125	0.000	93	856259	10.0	9.21	
57 Vinyl acetate	43	6.197	6.197	0.000	90	696348	20.0	16.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
59 1,1-Dichloroethane	63	6.261	6.261	0.000	85	894124	10.0	9.35	
62 2-Butanone (MEK)	43	6.626	6.626	0.000	99	298317	40.0	42.7	
65 sec-Butyl Alcohol	45	6.661	6.661	0.000	97	249884	300.0	273.7	
66 cis-1,2-Dichloroethene	96	6.683	6.683	0.000	69	478114	10.0	8.86	
67 2,2-Dichloropropane	77	6.726	6.726	0.000	81	803199	10.0	10.0	
69 Chlorobromomethane	128	6.876	6.876	0.000	94	163298	10.0	8.93	
70 Chloroform	83	6.883	6.883	0.000	81	792136	10.0	8.91	
71 Tetrahydrofuran	42	6.912	6.912	0.000	82	69129	20.0	17.9	
72 Isobutyl alcohol	41	7.069	7.069	0.000	82	35977	100.0	237.3	
73 1,1,1-Trichloroethane	97	7.112	7.112	0.000	91	802693	10.0	9.22	
74 Cyclohexane	56	7.198	7.198	0.000	91	955274	10.0	9.20	
75 1,1-Dichloropropene	75	7.212	7.212	0.000	88	722530	10.0	9.15	
76 Carbon tetrachloride	117	7.255	7.255	0.000	74	711332	10.0	9.34	
77 1,2-Dichloroethane	62	7.355	7.355	0.000	85	424483	10.0	9.33	
79 Benzene	78	7.384	7.384	0.000	92	1864941	10.0	8.57	
14 n-Heptane	43	7.469	7.469	0.000	91	867912	10.0	9.31	
81 Trichloroethene	95	7.841	7.841	0.000	94	501238	10.0	8.74	
82 2-Pentanone	43	7.870	7.870	0.000	98	363757	40.0	31.2	
84 1,2-Dichloropropane	63	8.020	8.020	0.000	91	414670	10.0	8.86	
85 Methylcyclohexane	55	8.049	8.049	0.000	90	758724	10.0	9.00	
86 1,4-Dioxane	88	8.070	8.070	0.000	67	24584	200.0	194.7	
87 Dibromomethane	93	8.120	8.120	0.000	90	148783	10.0	8.82	
88 Dichlorobromomethane	83	8.184	8.184	0.000	94	494880	10.0	8.91	
90 2-Chloroethyl vinyl ether	63	8.327	8.327	0.000	88	54839	10.0	8.82	
91 cis-1,3-Dichloropropene	75	8.506	8.506	0.000	89	575744	10.0	9.08	
92 4-Methyl-2-pentanone (MIBK	43	8.556	8.556	0.000	96	580432	40.0	43.2	
93 Toluene	91	8.785	8.785	0.000	98	2021097	10.0	8.95	
94 Ethyl methacrylate	69	8.864	8.864	0.000	89	234033	10.0	8.82	
95 trans-1,3-Dichloropropene	75	8.871	8.871	0.000	94	462590	10.0	9.43	
96 1,1,2-Trichloroethane	97	9.035	9.035	0.000	88	209490	10.0	8.90	
97 2-Hexanone	43	9.143	9.143	0.000	96	418110	40.0	46.2	
98 1,3-Dichloropropane	76	9.164	9.164	0.000	94	411570	10.0	9.12	
99 Tetrachloroethene	164	9.207	9.207	0.000	92	439424	10.0	8.93	
100 Chlorodibromomethane	129	9.357	9.357	0.000	89	263835	10.0	9.03	
102 Ethylene Dibromide	107	9.479	9.479	0.000	97	195926	10.0	8.97	
103 1-Chlorohexane	91	9.715	9.715	0.000	98	758013	10.0	9.19	
104 Chlorobenzene	112	9.822	9.822	0.000	93	1244587	10.0	8.86	
105 1,1,1,2-Tetrachloroethane	131	9.858	9.858	0.000	82	383067	10.0	9.07	
106 Ethylbenzene	106	9.865	9.865	0.000	98	768401	10.0	9.04	
107 m-Xylene & p-Xylene	106	9.936	9.936	0.000	99	936056	10.0	9.04	
108 o-Xylene	106	10.251	10.251	0.000	89	859550	10.0	9.27	
109 Styrene	104	10.251	10.251	0.000	86	1238284	10.0	9.10	
110 Bromoform	173	10.444	10.444	0.000	97	121324	10.0	8.78	
111 Isopropylbenzene	105	10.508	10.508	0.000	96	2424675	10.0	9.40	
113 Cyclohexanone	55	10.623	10.623	0.000	86	155105	400.0	410.3	
114 1,1,2,2-Tetrachloroethane	83	10.701	10.701	0.000	86	198098	10.0	8.84	
115 trans-1,4-Dichloro-2-buten	53	10.730	10.730	0.000	78	52559	10.0	9.50	
116 1,2,3-Trichloropropane	110	10.766	10.766	0.000	77	58426	10.0	9.27	
118 N-Propylbenzene	120	10.823	10.823	0.000	96	679300	10.0	9.23	
117 Bromobenzene	156	10.823	10.823	0.000	98	448327	10.0	9.14	
119 1,3,5-Trimethylbenzene	105	10.930	10.930	0.000	92	1941586	10.0	9.42	
120 2-Chlorotoluene	126	10.944	10.944	0.000	95	533146	10.0	9.35	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 4-Chlorotoluene	126	11.016	11.016	0.000	98	531037	10.0	9.31	
122 tert-Butylbenzene	119	11.223	11.223	0.000	92	1972385	10.0	9.30	
123 1,2,4-Trimethylbenzene	105	11.252	11.252	0.000	98	1904822	10.0	9.48	
124 sec-Butylbenzene	134	11.402	11.402	0.000	95	538855	10.0	9.29	
125 4-Isopropyltoluene	119	11.495	11.495	0.000	95	2258806	10.0	9.61	
126 1,3-Dichlorobenzene	146	11.559	11.559	0.000	89	930531	10.0	9.16	
127 1,4-Dichlorobenzene	146	11.624	11.624	0.000	93	889175	10.0	8.88	
129 n-Butylbenzene	91	11.845	11.845	0.000	95	2084595	10.0	9.60	
130 1,2-Dichlorobenzene	146	11.974	11.974	0.000	96	734946	10.0	9.15	
131 1,2-Dibromo-3-Chloropropan	157	12.696	12.696	0.000	66	26642	10.0	8.23	
132 1,2,4-Trichlorobenzene	180	13.626	13.626	0.000	92	495013	10.0	9.38	
133 Hexachlorobutadiene	225	13.783	13.783	0.000	96	389680	10.0	9.15	
134 Naphthalene	128	13.976	13.976	0.000	97	552130	10.0	9.08	
135 1,2,3-Trichlorobenzene	180	14.291	14.291	0.000	93	358620	10.0	9.19	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		20.0	17.7	
S 139 1,3-Dichloropropene, Total	1				0		20.0	18.5	
S 140 1,2-Dichloroethene, Total	1				0		20.0	17.7	
S 141 Xylenes, Total	106				0		20.0	18.3	
S 136 Trihalomethanes, Total	1				0		40.0	35.6	
S 137 Xylenes, Total (URS)	1				0		20.0	18.3	
S 138 Total BTEX	1				0			44.9	

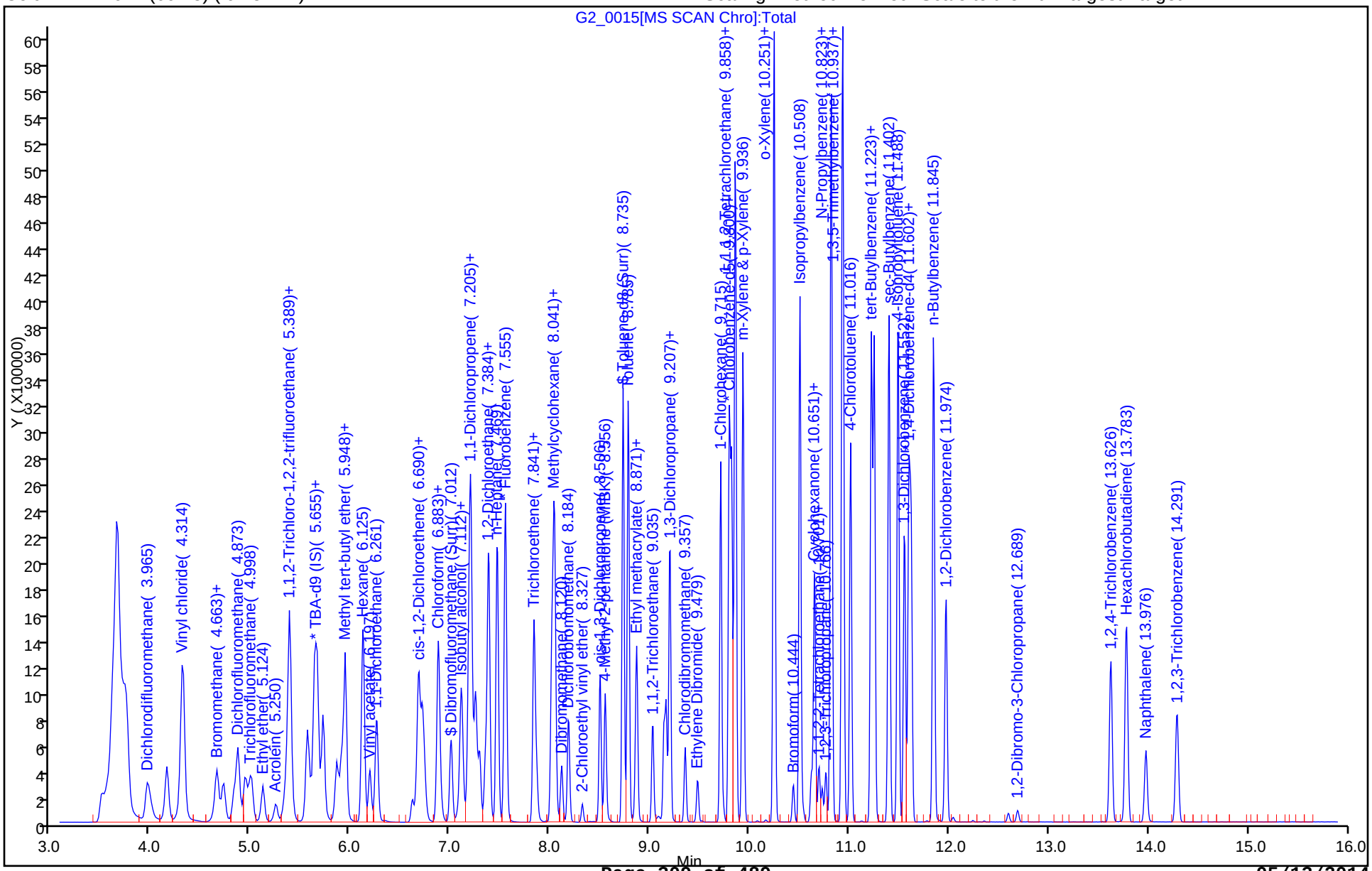
Report Date: 28-Apr-2014 16:05:18 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0015.D

Injection Date:	25-Apr-2014 17:47:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222940/3 Calibration Date: 04/25/2014 18:07

Instrument ID: VMS_G2 Calib Start Date: 03/05/2014 12:49

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/05/2014 14:30

Lab File ID: G2_0016.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Lin1		0.0008		423	500	-15.5	50.0
Isopropyl alcohol	Ave	0.0056	0.0049		87.8	100	-12.2	50.0
Acetonitrile	Ave	0.0107	0.0090		83.6	100	-16.4	50.0
Isopropyl ether	Ave	0.2095	0.1895		9.04	10.0	-9.6	35.0
2-Chloro-1,3-butadiene	Ave	0.4909	0.4902		9.98	10.0	-0.2	35.0
Tert-butyl ethyl ether	Ave	0.6197	0.5865		9.46	10.0	-5.4	35.0
Ethyl acetate	Ave	0.0605	0.0542		17.9	20.0	-10.4	50.0
Propionitrile	Ave	0.0117	0.0106		90.6	100	-9.4	50.0
Methacrylonitrile	Ave	0.0562	0.0523		93.0	100	-7.0	50.0
Tert-amyl methyl ether	Ave	0.4793	0.4507		9.40	10.0	-6.0	35.0
Methyl methacrylate	Ave	0.0296	0.0272		18.4	20.0	-8.2	35.0
2-Nitropropane	Ave	0.0202	0.0232		23.0	20.0	14.8	50.0
cis-1,4-Dichloro-2-butene	Ave	0.1222	0.1170		9.57	10.0	-4.3	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0016.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Apr-2014 18:07:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Operator ID: DUKESA Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:05:16 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 18:28:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	227454	250.0	250.0	
* 1 Fluorobenzene	96	7.570	7.570	0.000	98	1895745	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.801	9.801	0.000	86	416082	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	96	566739	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	58	441493	10.0	11.1	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	97	389280	10.0	11.2	
$ 7 Toluene-d8 (Surr)	98	8.742	8.742	0.000	93	1930938	10.0	10.9	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	88	604230	10.0	11.3	
30 Ethylene oxide	43	4.635	4.635	0.000	100	1624777	2000.0	2452.7	
34 Ethanol	45	4.985	4.985	0.000	89	61905	500.0	422.6	
39 Propene oxide	58	5.236	5.236	0.000	96	1417026	500.0	456.3	
44 Isopropyl alcohol	45	5.376	5.376	0.000	91	74974	100.0	87.8	
46 Acetonitrile	41	5.585	5.585	0.000	99	135877	100.0	83.6	
58 Isopropyl ether	87	6.240	6.240	0.000	93	287316	10.0	9.04	
60 2-Chloro-1,3-butadiene	53	6.354	6.354	0.000	90	743356	10.0	9.98	
61 Tert-butyl ethyl ether	59	6.519	6.519	0.000	98	889497	10.0	9.46	
63 Ethyl acetate	43	6.633	6.633	0.000	98	164448	20.0	17.9	
64 Propionitrile	54	6.683	6.683	0.000	97	160166	100.0	90.6	
68 Methacrylonitrile	41	6.812	6.812	0.000	93	793093	100.0	93.0	
78 Tert-amyl methyl ether	73	7.391	7.391	0.000	98	683539	10.0	9.40	
80 n-Butanol	56	7.584	7.584	0.000	81	88226	250.0	220.7	
83 Methyl methacrylate	100	7.977	7.977	0.000	90	82358	20.0	18.4	
89 2-Nitropropane	41	8.328	8.328	0.000	98	70211	20.0	23.0	
101 Tetrahydrothiophene	60	9.407	9.407	0.000	93	100455	10.0	6.81	
112 cis-1,4-Dichloro-2-butene	53	10.523	10.523	0.000	58	53025	10.0	9.57	
128 1,2,3-Trimethylbenzene	105	11.624	11.624	0.000	97	1617777	10.0	9.68	
16 1,3,5-Trichlorobenzene	180	12.904	12.904	0.000	96	669198	10.0	10.2	
148 Ethyl acrylate	55		0.000						
144 n-Butyl acetate	43		0.000						
146 Benzyl chloride	126		0.000						

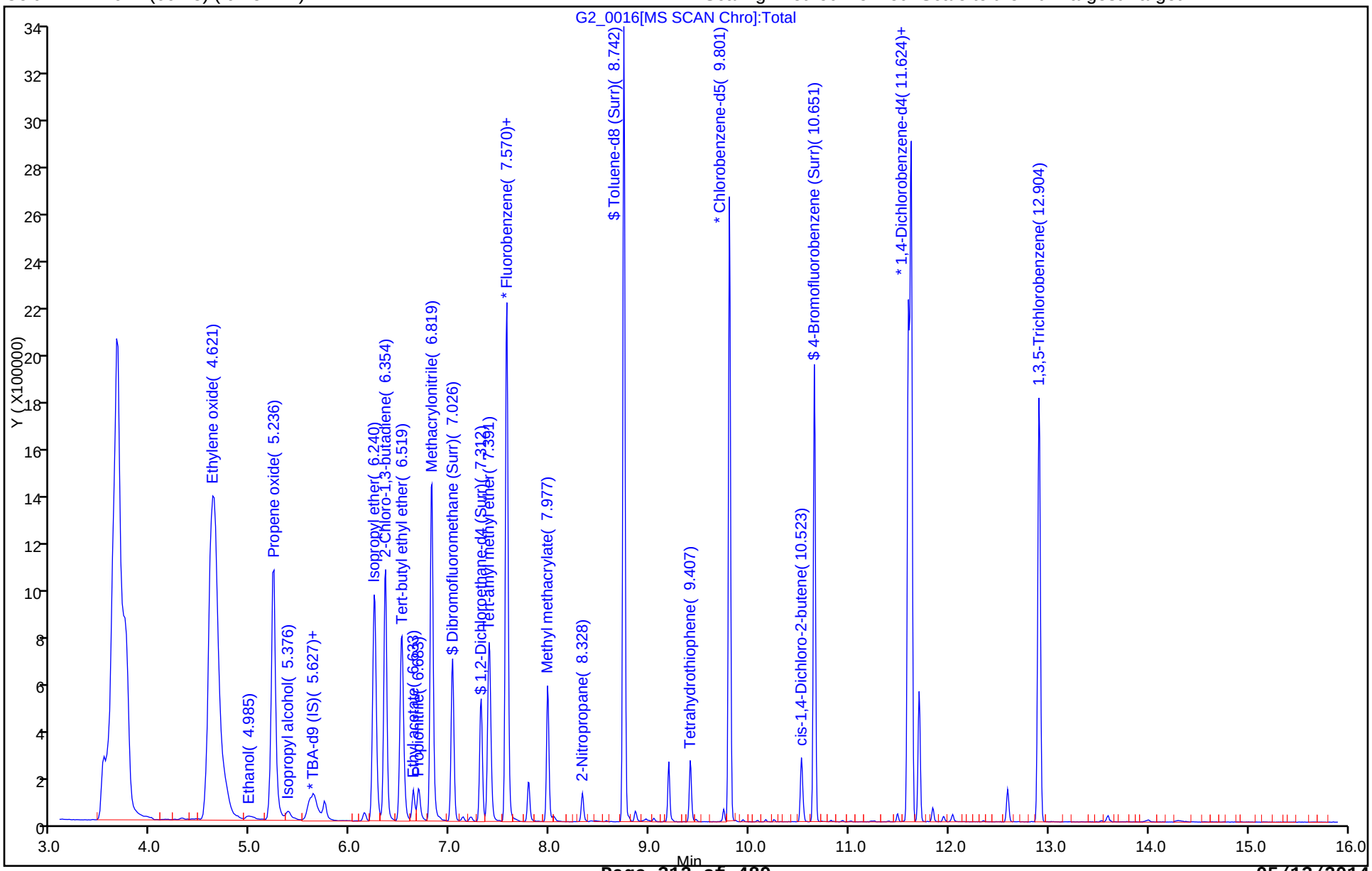
Report Date: 28-Apr-2014 16:05:17 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0016.D

Injection Date:	25-Apr-2014 18:07:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222940/3 Calibration Date: 04/25/2014 18:07

Instrument ID: VMS_G2 Calib Start Date: 03/14/2014 08:21

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/14/2014 09:42

Lab File ID: G2_0016.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dibromofluoromethane (Surr)	Ave	0.2649	0.2911		11.1	10.0	11.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2314	0.2567		11.2	10.0	11.7	20.0
Toluene-d8 (Surr)	Ave	5.650	5.801		10.9	10.0	8.8	20.0
4-Bromofluorobenzene (Surr)	Ave	1.248	1.333		11.3	10.0	13.1	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0016.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Apr-2014 18:07:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Operator ID: DUKESA Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub89

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:05:16 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 18:28:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	227454	250.0	250.0	
* 1 Fluorobenzene	96	7.570	7.570	0.000	98	1895745	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.801	9.801	0.000	86	416082	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	96	566739	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	58	441493	10.0	11.1	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	97	389280	10.0	11.2	
$ 7 Toluene-d8 (Surr)	98	8.742	8.742	0.000	93	1930938	10.0	10.9	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	88	604230	10.0	11.3	
30 Ethylene oxide	43	4.635	4.635	0.000	100	1624777	2000.0	2452.7	
34 Ethanol	45	4.985	4.985	0.000	89	61905	500.0	422.6	
39 Propene oxide	58	5.236	5.236	0.000	96	1417026	500.0	456.3	
44 Isopropyl alcohol	45	5.376	5.376	0.000	91	74974	100.0	87.8	
46 Acetonitrile	41	5.585	5.585	0.000	99	135877	100.0	83.6	
58 Isopropyl ether	87	6.240	6.240	0.000	93	287316	10.0	9.04	
60 2-Chloro-1,3-butadiene	53	6.354	6.354	0.000	90	743356	10.0	9.98	
61 Tert-butyl ethyl ether	59	6.519	6.519	0.000	98	889497	10.0	9.46	
63 Ethyl acetate	43	6.633	6.633	0.000	98	164448	20.0	17.9	
64 Propionitrile	54	6.683	6.683	0.000	97	160166	100.0	90.6	
68 Methacrylonitrile	41	6.812	6.812	0.000	93	793093	100.0	93.0	
78 Tert-amyl methyl ether	73	7.391	7.391	0.000	98	683539	10.0	9.40	
80 n-Butanol	56	7.584	7.584	0.000	81	88226	250.0	220.7	
83 Methyl methacrylate	100	7.977	7.977	0.000	90	82358	20.0	18.4	
89 2-Nitropropane	41	8.328	8.328	0.000	98	70211	20.0	23.0	
101 Tetrahydrothiophene	60	9.407	9.407	0.000	93	100455	10.0	6.81	
112 cis-1,4-Dichloro-2-butene	53	10.523	10.523	0.000	58	53025	10.0	9.57	
128 1,2,3-Trimethylbenzene	105	11.624	11.624	0.000	97	1617777	10.0	9.68	
16 1,3,5-Trichlorobenzene	180	12.904	12.904	0.000	96	669198	10.0	10.2	
148 Ethyl acrylate	55		0.000						
144 n-Butyl acetate	43		0.000						
146 Benzyl chloride	126		0.000						

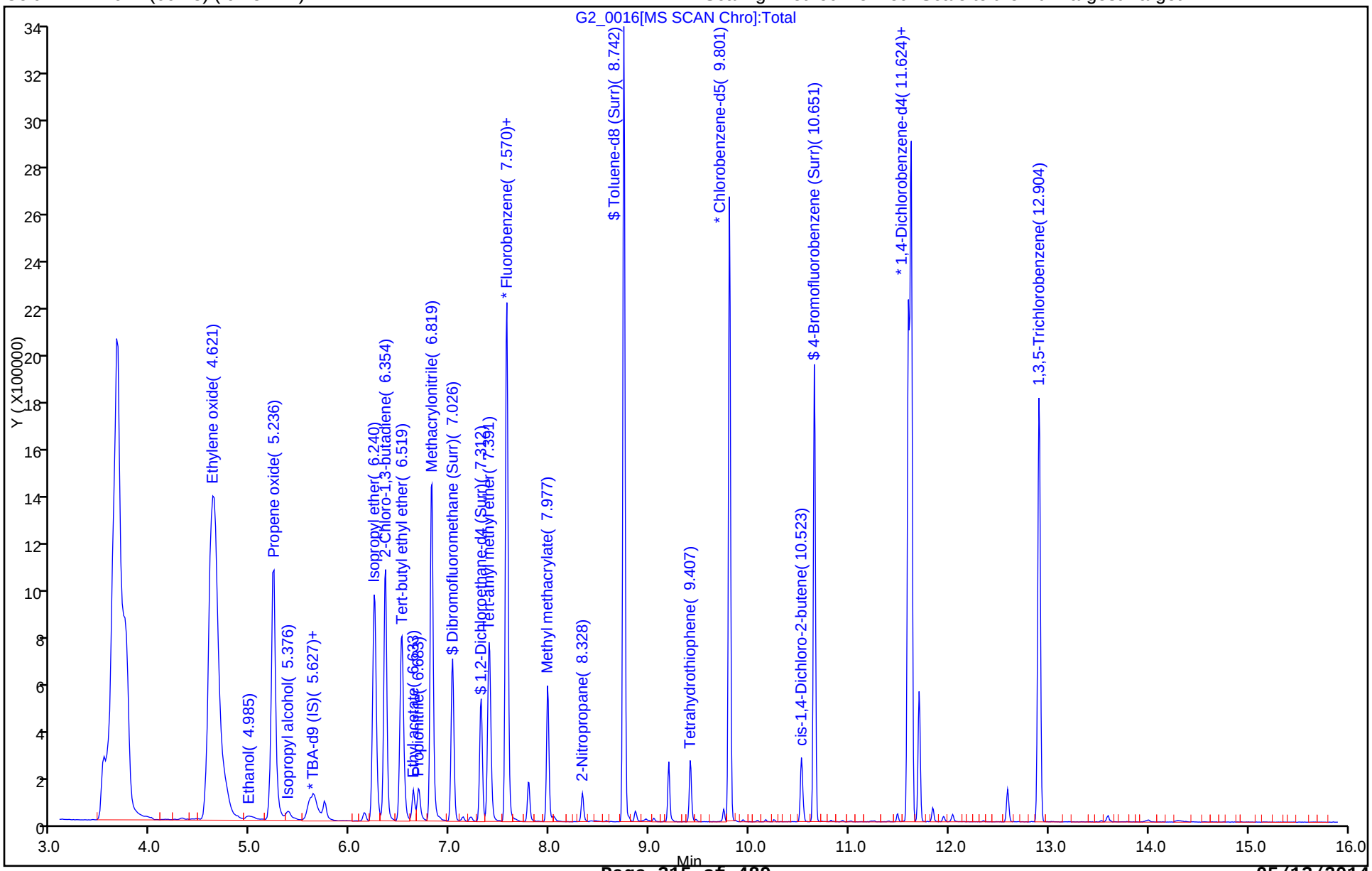
Report Date: 28-Apr-2014 16:05:17 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0016.D

Injection Date:	25-Apr-2014 18:07:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222940/4 Calibration Date: 04/25/2014 18:27

Instrument ID: VMS_G2 Calib Start Date: 03/12/2014 09:55

GC Column: DB-624 (60.25) ID: 0.25(mm) Calib End Date: 03/12/2014 11:56

Lab File ID: G2_0017.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.3525	0.3474	0.1000	9.85	10.0	-1.5	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0017.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 25-Apr-2014 18:27:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: CCV G3 Q4
Operator ID: DUKESA Instrument ID: VMS_G2
Sublist: chrom-AQ_VMSG2_8260*sub113

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:05:14 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 19:07:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	230990	250.0	250.0	
* 1 Fluorobenzene	96	7.570	7.570	0.000	98	1966145	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.801	9.801	0.000	86	436119	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	96	581488	12.5	12.5	
25 Dichlorodifluoromethane	85		3.979						
27 Chloromethane	50	4.161	4.161	0.000	89	546389	10.0	9.85	
28 Vinyl chloride	62		4.314						
31 Bromomethane	94		4.677						
32 Chloroethane	64		4.747						
33 Dichlorofluoromethane	67		4.887						
35 Trichlorofluoromethane	101		4.970						
42 Acetone	43		5.361						
62 2-Butanone (MEK)	43		6.640						
92 4-Methyl-2-pentanone (MIBK	43		8.563						
97 2-Hexanone	43		9.150						
113 Cyclohexanone	55		10.623						
147 Butadiene	54		0.000						

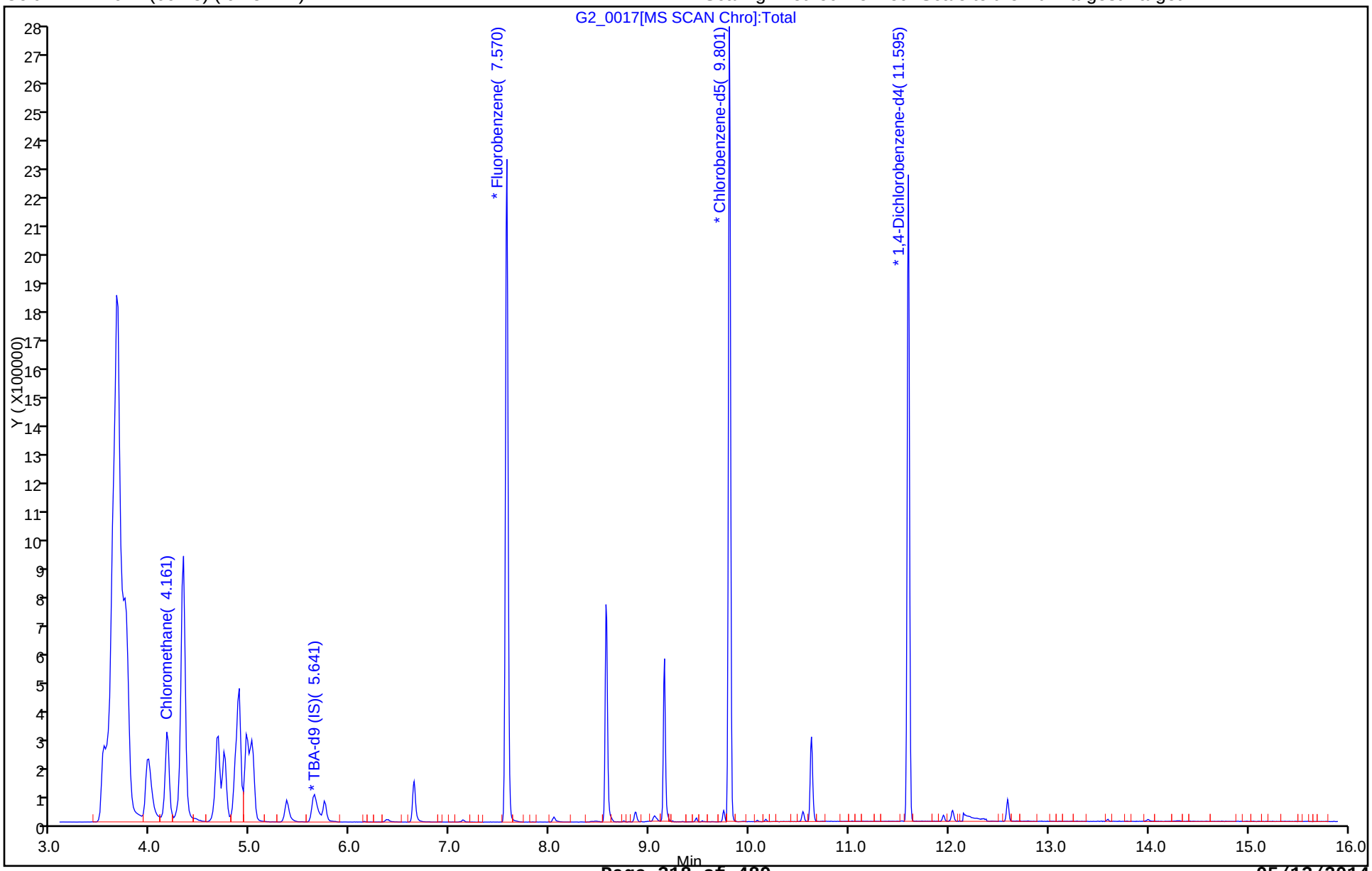
Report Date: 28-Apr-2014 16:05:15 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0017.D

Injection Date:	25-Apr-2014 18:27:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-221523/19 Calibration Date: 04/17/2014 01:41

Instrument ID: VMS_J Calib Start Date: 04/16/2014 22:50

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/17/2014 01:19

Lab File ID: J1293.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.0988	0.1063		2690	2500	7.6	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.4884	0.4231		43.3	50.0	-13.4	50.0
Isopropyl alcohol	Ave	0.8329	0.8987		539	500	7.9	50.0
Acetonitrile	Lin1		0.0299		493	500	-1.4	55.0
Isopropyl ether	Ave	0.1888	0.1965		52.1	50.0	4.1	35.0
2-Chloro-1,3-butadiene	Ave	0.3770	0.3892		51.6	50.0	3.2	35.0
Tert-butyl ethyl ether	Ave	0.8235	0.8392		51.0	50.0	1.9	35.0
Propionitrile	Ave	0.0337	0.0322		477	500	-4.5	35.0
Methacrylonitrile	Ave	0.1354	0.1351		499	500	-0.2	50.0
Tert-amyl methyl ether	Ave	0.6740	0.6870		51.0	50.0	1.9	35.0
Methyl methacrylate	Ave	0.0546	0.0572		105	100	4.7	35.0
cis-1,4-Dichloro-2-butene	Ave	0.2126	0.2162		50.8	50.0	1.7	55.0
Dibromofluoromethane (Surr)	Ave	0.3038	0.2833		46.6	50.0	-6.8	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2722	0.2511		46.1	50.0	-7.8	20.0
Toluene-d8 (Surr)	Ave	3.763	3.600		47.8	50.0	-4.3	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9155	0.8586		46.9	50.0	-6.2	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1293.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Apr-2014 01:41:30 ALS Bottle#: 28 Worklist Smp#: 19
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BLK
Operator ID: DUKESA Instrument ID: VMS_J
Sublist:

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 20:14:42 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 17-Apr-2014 20:14:42

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.946	5.946	0.000	84	805326	1000.0	1000.0	
* 1 Fluorobenzene	96	8.068	8.068	0.000	98	1909569	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.765	10.765	0.000	89	460482	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.000	97	714990	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.477	7.477	0.000	57	540969	50.0	46.6	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.790	7.790	0.000	96	479390	50.0	46.1	
$ 7 Toluene-d8 (Surr)	98	9.443	9.443	0.000	84	1657856	50.0	47.8	
$ 8 4-Bromofluorobenzene (Surr	95	11.792	11.792	0.000	97	613872	50.0	46.9	
24 Chlorotrifluoroethene	116	4.084	4.084	0.000	94	322771	50.0	46.1	
26 1,2-Dichloro-1,1,2,2-tetra	85	4.310	4.310	0.000	95	385944	50.0	43.7	
29 2-Chloro-1,1,1-Trifluoroet	118	4.554	4.554	0.000	35	361236	50.0	47.7	
30 Ethylene oxide	43	4.849	4.849	0.000	100	1920673	10000	7319.1	
35 Ethanol	45	5.250	5.250	0.000	91	213977	2500.0	2688.8	
36 1,2-Dichloro-1,1,2-trifluo	117	5.389	5.389	0.000	89	487710	50.0	46.9	
38 1,1,1-Trifluoro-2,2-dichlo	83	5.424	5.424	0.000	86	807943	50.0	43.3	
39 Propene oxide	58	5.511	5.511	0.000	98	4324321	2500.0	2506.8	
44 Isopropyl alcohol	45	5.685	5.685	0.000	100	361859	500.0	539.5	
47 Acetonitrile	41	5.911	5.911	0.000	100	569911	500.0	493.0	
58 Isopropyl ether	87	6.589	6.589	0.000	99	375266	50.0	52.1	
60 2-Chloro-1,3-butadiene	53	6.711	6.711	0.000	92	743263	50.0	51.6	
61 Tert-butyl ethyl ether	59	6.885	6.885	0.000	95	1602538	50.0	51.0	
62 Ethyl acetate	43	7.024	7.024	0.000	99	905102	100.0	146.4	
66 Propionitrile	54	7.111	7.111	0.000	100	614836	500.0	477.5	
68 Methacrylonitrile	41	7.251	7.251	0.000	92	2580544	500.0	498.9	
78 Tert-amyl methyl ether	73	7.860	7.860	0.000	96	1311933	50.0	51.0	
80 n-Butanol	56	8.086	8.086	0.000	88	379339	1250.0	1233.0	
148 Ethyl acrylate	55	8.312	8.312	0.000	0	613574	50.0	52.0	
83 Methyl methacrylate	100	8.521	8.521	0.000	90	218284	100.0	104.7	
90 2-Nitropropane	41	8.956	8.956	0.000	99	168514	100.0	95.5	
144 n-Butyl acetate	43	10.017	10.017	0.000	97	865787	50.0	69.3	
101 Tetrahydrothiophene	60	10.296	10.296	0.000	51	318010	50.0	43.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.635	11.635	0.000	91	154590	50.0	50.8	
127 1,2,3-Trimethylbenzene	105	12.940	12.940	0.000	97	1794657	50.0	52.4	
146 Benzyl chloride	126	13.045	13.045	0.000	98	189547	50.0	57.3	
16 1,3,5-Trichlorobenzene	180	14.437	14.437	0.000	98	817800	50.0	53.4	

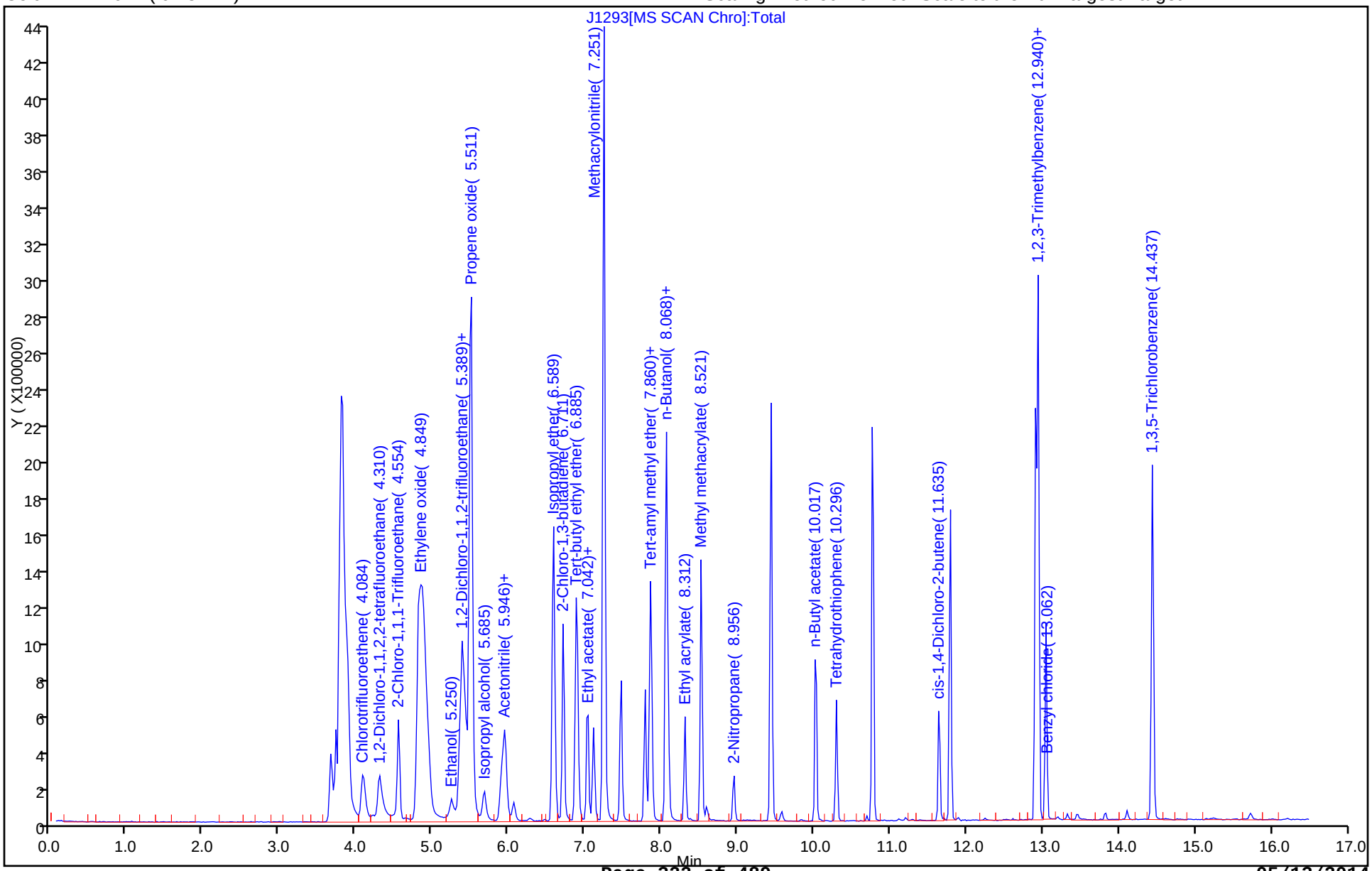
Report Date: 17-Apr-2014 20:14:43 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1293.D

Injection Date:	17-Apr-2014 01:41:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	ICV			Worklist Smp#:	19
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	28
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-221523/20 Calibration Date: 04/17/2014 02:02

Instrument ID: VMS_J Calib Start Date: 04/16/2014 19:19

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/16/2014 21:46

Lab File ID: J1294.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acrolein	Ave	0.0348	0.0231		331	499	-33.7	55.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2252	0.2300		51.1	50.0	2.1	35.0
1,1-Dichloroethene	Ave	0.2622	0.2676		51.0	50.0	2.0	20.0
Iodomethane	Ave	0.5919	0.6523		55.1	50.0	10.2	35.0
Methyl acetate	Ave	0.1928	0.1910		248	250	-1.0	55.0
Allyl chloride	Ave	0.5785	0.5594		48.4	50.0	-3.3	35.0
Carbon disulfide	Ave	1.229	1.259		51.2	50.0	2.5	20.0
2-Methyl-2-propanol	Ave	1.256	1.387		552	500	10.4	50.0
Methylene Chloride	Lin2		0.3354		51.9	50.0	3.7	20.0
Acrylonitrile	Ave	0.0847	0.0921		544	500	8.8	55.0
Methyl tert-butyl ether	Ave	0.6444	0.6699		52.0	50.0	4.0	20.0
trans-1,2-Dichloroethene	Ave	0.2774	0.2946		53.1	50.0	6.2	20.0
Hexane	Ave	2.089	2.020		48.4	50.0	-3.3	35.0
Vinyl acetate	Ave	0.4855	0.5785		119	100	19.2	55.0
1,1-Dichloroethane	Ave	0.5483	0.5882		53.6	50.0	7.3	20.0
2-Butanol	Ave	1.040	1.202		1730	1500	15.6	50.0
cis-1,2-Dichloroethene	Ave	0.2994	0.3113		52.0	50.0	4.0	20.0
2,2-Dichloropropane	Ave	0.3569	0.3604		50.5	50.0	1.0	20.0
Chlorobromomethane	Ave	0.1609	0.1699		52.8	50.0	5.6	20.0
Chloroform	Ave	0.4591	0.4887		53.2	50.0	6.4	20.0
Tetrahydrofuran	Ave	0.0679	0.0722		106	100	6.3	55.0
1,1,1-Trichloroethane	Ave	0.3334	0.3394		50.9	50.0	1.8	20.0
Cyclohexane	Ave	0.5549	0.5601		50.5	50.0	0.9	35.0
Isobutyl alcohol	Ave	1.388	0.5789		521	1250	-58.3*	50.0
1,1-Dichloropropene	Ave	0.3770	0.4123		54.7	50.0	9.3	20.0
Carbon tetrachloride	Ave	0.3151	0.3410		54.1	50.0	8.2	20.0
1,2-Dichloroethane	Ave	0.3043	0.3265		53.6	50.0	7.3	20.0
Benzene	Ave	1.095	1.159		52.9	50.0	5.8	20.0
Trichloroethene	Ave	0.3086	0.3332		54.0	50.0	7.9	20.0
2-Pentanone	Ave	0.1991	0.1991		200	200	-0.0	35.0
1,2-Dichloropropane	Ave	0.3344	0.3467		51.8	50.0	3.7	20.0
Methylcyclohexane	Ave	0.4303	0.4494		52.2	50.0	4.4	35.0
1,4-Dioxane	Ave	0.0026	0.0027		1060	1000	6.0	55.0
Dibromomethane	Ave	0.1717	0.1775		51.7	50.0	3.4	20.0
Dichlorobromomethane	Ave	0.3395	0.3610		53.2	50.0	6.3	20.0
cis-1,3-Dichloropropene	Ave	1.794	1.952		54.4	50.0	8.8	20.0
Toluene	Ave	1.018	1.074		52.8	50.0	5.5	20.0
Ethyl methacrylate	Ave	1.181	1.357		57.4	50.0	14.9	35.0
trans-1,3-Dichloropropene	Ave	0.3633	0.3871		53.3	50.0	6.5	20.0
1,1,2-Trichloroethane	Ave	0.2057	0.2142		52.1	50.0	4.1	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-221523/20 Calibration Date: 04/17/2014 02:02

Instrument ID: VMS_J Calib Start Date: 04/16/2014 19:19

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/16/2014 21:46

Lab File ID: J1294.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	1.555	1.567		50.4	50.0	0.7	20.0
Tetrachloroethene	Ave	0.9721	1.000		51.4	50.0	2.8	20.0
Chlorodibromomethane	Ave	1.068	1.198		56.0	50.0	12.1	20.0
Ethylene Dibromide	Ave	0.9280	0.9870		53.2	50.0	6.4	20.0
1-Chlorohexane	Ave	1.586	1.679		52.9	50.0	5.9	35.0
Chlorobenzene	Ave	2.982	3.097		51.9	50.0	3.9	20.0
1,1,1,2-Tetrachloroethane	Ave	1.028	1.109		53.9	50.0	7.9	20.0
Ethylbenzene	Ave	1.488	1.574		52.9	50.0	5.8	20.0
m-Xylene & p-Xylene	Ave	3.621	3.741		51.7	50.0	3.3	20.0
o-Xylene	Ave	1.744	1.865		53.4	50.0	6.9	20.0
Styrene	Ave	2.808	3.213		57.2	50.0	14.4	20.0
Bromoform	Ave	0.6942	0.7674		55.3	50.0	10.5	20.0
Isopropylbenzene	Ave	2.924	3.173		54.2	50.0	8.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7686	0.8112		52.8	50.0	5.5	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2058	0.2263		55.0	50.0	10.0	55.0
1,2,3-Trichloropropane	Ave	0.1762	0.1941		55.1	50.0	10.2	20.0
Bromobenzene	Ave	0.8520	0.9107		53.4	50.0	6.9	20.0
N-Propylbenzene	Ave	0.8401	0.9059		53.9	50.0	7.8	20.0
1,3,5-Trimethylbenzene	Ave	2.351	2.501		53.2	50.0	6.4	20.0
2-Chlorotoluene	Ave	0.7580	0.8103		53.4	50.0	6.9	20.0
4-Chlorotoluene	Ave	0.7793	0.8217		52.7	50.0	5.4	20.0
tert-Butylbenzene	Ave	2.505	2.659		53.1	50.0	6.1	20.0
1,2,4-Trimethylbenzene	Ave	2.412	2.532		52.5	50.0	5.0	20.0
sec-Butylbenzene	Ave	0.6541	0.6999		53.5	50.0	7.0	20.0
4-Isopropyltoluene	Ave	2.824	2.972		52.6	50.0	5.2	20.0
1,3-Dichlorobenzene	Ave	1.587	1.676		52.8	50.0	5.6	20.0
1,4-Dichlorobenzene	Ave	1.605	1.705		53.1	50.0	6.2	20.0
n-Butylbenzene	Ave	2.622	2.759		52.6	50.0	5.2	20.0
1,2-Dichlorobenzene	Ave	1.464	1.562		53.3	50.0	6.7	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1442	0.1603		55.6	50.0	11.2	20.0
1,2,4-Trichlorobenzene	Ave	1.006	1.037		51.5	50.0	3.0	20.0
Hexachlorobutadiene	Ave	0.5269	0.5618		53.3	50.0	6.6	20.0
Naphthalene	Ave	2.075	2.196		52.9	50.0	5.9	20.0
1,2,3-Trichlorobenzene	Ave	0.8776	0.9235		52.6	50.0	5.2	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1294.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Apr-2014 02:02:30 ALS Bottle#: 29 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV M
Operator ID: DUKESA Instrument ID: VMS_J
Sublist:

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:20:05 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

First Level Reviewer: dukesa Date: 17-Apr-2014 16:13:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.946	0.012	51	804868	1000.0	1000.0	
* 1 Fluorobenzene	96	8.064	8.068	-0.005	97	1943337	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.765	0.013	73	472431	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.905	0.013	90	747680	50.0	50.0	
37 Ethyl ether	59	5.401	5.400	0.001	96	437905	50.0	42.5	
40 Acrolein	56	5.558	5.557	0.001	91	447454	498.7	330.6	
42 1,1,2-Trichloro-1,2,2-trif	151	5.680	5.679	0.001	88	447016	50.0	51.1	
45 1,1-Dichloroethene	96	5.697	5.696	0.001	95	519985	50.0	51.0	
46 Iodomethane	142	5.889	5.888	0.001	97	1267599	50.0	55.1	
48 Methyl acetate	43	5.906	5.905	0.001	78	1855575	250.0	247.6	
49 3-Chloro-1-propene	41	5.958	5.957	0.001	88	1087159	50.0	48.4	
51 Carbon disulfide	76	5.993	6.009	-0.016	98	2446889	50.0	51.2	
50 2-Methyl-2-propanol	59	6.028	6.027	0.001	33	558052	500.0	552.0	
52 Methylene Chloride	84	6.063	6.062	0.001	89	651762	50.0	51.9	
53 Acrylonitrile	53	6.237	6.218	0.019	99	1790603	500.0	544.2	
54 Methyl tert-butyl ether	73	6.254	6.253	0.001	96	1301890	50.0	52.0	
55 trans-1,2-Dichloroethene	96	6.306	6.305	0.001	97	572575	50.0	53.1	
56 Hexane	57	6.480	6.462	0.018	70	954344	50.0	48.4	
57 Vinyl acetate	43	6.567	6.566	0.001	90	2248454	100.0	119.2	
59 1,1-Dichloroethane	63	6.637	6.636	0.001	96	1143099	50.0	53.6	
64 sec-Butyl Alcohol	45	7.089	7.088	0.001	99	1451680	1500.0	1733.8	
65 cis-1,2-Dichloroethene	96	7.107	7.106	0.001	84	604883	50.0	52.0	
67 2,2-Dichloropropane	77	7.141	7.140	0.001	89	700378	50.0	50.5	
69 Chlorobromomethane	128	7.315	7.314	0.001	89	330112	50.0	52.8	
70 Chloroform	83	7.333	7.332	0.001	94	949627	50.0	53.2	
71 Tetrahydrofuran	42	7.350	7.349	0.001	86	280666	100.0	106.3	
73 1,1,1-Trichloroethane	97	7.576	7.558	0.018	84	659582	50.0	50.9	
74 Cyclohexane	56	7.646	7.645	0.001	92	1088393	50.0	50.5	
72 Isobutyl alcohol	41	7.646	7.645	0.001	98	582368	1250.0	521.3	
75 1,1-Dichloropropene	75	7.681	7.680	0.001	95	801170	50.0	54.7	
76 Carbon tetrachloride	117	7.716	7.714	0.002	78	662704	50.0	54.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
77 1,2-Dichloroethane	62	7.855	7.854	0.001	93	634422	50.0	53.6	
79 Benzene	78	7.872	7.871	0.001	97	2252478	50.0	52.9	
14 n-Heptane	43	7.959	7.958	0.001	92	1045021	50.0	50.0	
81 Trichloroethene	130	8.377	8.376	0.001	95	647449	50.0	54.0	
82 2-Pentanone	43	8.429	8.428	0.001	99	1547337	200.0	199.9	
84 1,2-Dichloropropane	63	8.585	8.584	0.001	86	673773	50.0	51.8	
85 Methylcyclohexane	55	8.585	8.584	0.001	88	873288	50.0	52.2	
86 1,4-Dioxane	88	8.655	8.654	0.001	50	106632	1000.0	1059.6	
87 Dibromomethane	93	8.707	8.706	0.001	87	345024	50.0	51.7	
88 Dichlorobromomethane	83	8.794	8.793	0.001	91	701443	50.0	53.2	
89 2-Chloroethyl vinyl ether	63	8.951	8.950	0.001	91	282352	50.0	47.0	
91 cis-1,3-Dichloropropene	75	9.160	9.159	0.001	90	922360	50.0	54.4	
93 Toluene	91	9.508	9.507	0.001	88	2087841	50.0	52.8	
94 Ethyl methacrylate	69	9.612	9.611	0.001	85	641175	50.0	57.4	
95 trans-1,3-Dichloropropene	75	9.629	9.628	0.001	92	752228	50.0	53.3	
96 1,1,2-Trichloroethane	97	9.838	9.837	0.001	90	416345	50.0	52.1	
98 1,3-Dichloropropane	76	10.012	10.011	0.001	89	740087	50.0	50.4	
99 Tetrachloroethene	164	10.030	10.029	0.001	96	472200	50.0	51.4	
100 Chlorodibromomethane	129	10.256	10.255	0.001	86	565751	50.0	56.0	
102 Ethylene Dibromide	107	10.395	10.394	0.001	98	466281	50.0	53.2	
103 1-Chlorohexane	91	10.673	10.672	0.001	96	793141	50.0	52.9	
104 Chlorobenzene	112	10.795	10.794	0.001	91	1463080	50.0	51.9	
106 1,1,1,2-Tetrachloroethane	131	10.847	10.846	0.001	37	523772	50.0	53.9	
105 Ethylbenzene	106	10.847	10.846	0.001	86	743699	50.0	52.9	
107 m-Xylene & p-Xylene	91	10.934	10.933	0.001	99	1767241	50.0	51.7	
109 o-Xylene	106	11.300	11.299	0.001	84	880990	50.0	53.4	
108 Styrene	104	11.300	11.299	0.001	86	1517959	50.0	57.2	
110 Bromoform	173	11.543	11.542	0.001	75	362544	50.0	55.3	
111 Isopropylbenzene	105	11.613	11.612	0.001	94	2372195	50.0	54.2	
114 1,1,2,2-Tetrachloroethane	83	11.857	11.856	0.001	65	606545	50.0	52.8	
115 trans-1,4-Dichloro-2-buten	53	11.891	11.890	0.001	54	169199	50.0	55.0	
116 1,2,3-Trichloropropane	110	11.926	11.943	-0.017	58	145157	50.0	55.1	a
117 N-Propylbenzene	120	11.978	11.977	0.001	94	677305	50.0	53.9	
118 Bromobenzene	156	11.978	11.977	0.001	61	680931	50.0	53.4	
119 1,3,5-Trimethylbenzene	105	12.118	12.117	0.001	90	1870012	50.0	53.2	
120 2-Chlorotoluene	126	12.135	12.134	0.001	91	605854	50.0	53.4	
121 4-Chlorotoluene	126	12.222	12.221	0.001	95	614340	50.0	52.7	
122 tert-Butylbenzene	119	12.466	12.465	0.001	89	1988180	50.0	53.1	
123 1,2,4-Trimethylbenzene	105	12.500	12.499	0.001	90	1892828	50.0	52.5	
124 sec-Butylbenzene	134	12.674	12.673	0.001	94	523298	50.0	53.5	
125 4-Isopropyltoluene	119	12.779	12.778	0.001	95	2221842	50.0	52.6	
126 1,3-Dichlorobenzene	146	12.848	12.865	-0.017	85	1252966	50.0	52.8	
128 1,4-Dichlorobenzene	146	12.935	12.934	0.001	95	1274898	50.0	53.1	
129 n-Butylbenzene	91	13.196	13.213	-0.017	96	2062752	50.0	52.6	
130 1,2-Dichlorobenzene	146	13.353	13.352	0.001	98	1167829	50.0	53.3	
131 1,2-Dibromo-3-Chloropropan	157	14.206	14.205	0.002	92	119821	50.0	55.6	
132 1,2,4-Trichlorobenzene	180	15.267	15.266	0.001	93	775011	50.0	51.5	
133 Hexachlorobutadiene	225	15.441	15.440	0.001	92	420017	50.0	53.3	
134 Naphthalene	128	15.650	15.666	-0.016	97	1642221	50.0	52.9	
135 1,2,3-Trichlorobenzene	180	16.015	16.014	0.001	95	690480	50.0	52.6	
S 142 1,2-Dichloroethene, Total	96				0		100.0	105.1	
S 136 Trihalomethanes, Total	1				0		200.0	217.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total (URS)	1				0		100.0	105.1	
S 139 1,3-Dichloropropene, Total	1				0		100.0	107.7	
S 140 1,2-Dichloroethene, Total	1				0		100.0	105.1	
S 141 Xylenes, Total	106				0		100.0	105.1	

QC Flag Legend

Review Flags
a - User Assigned ID

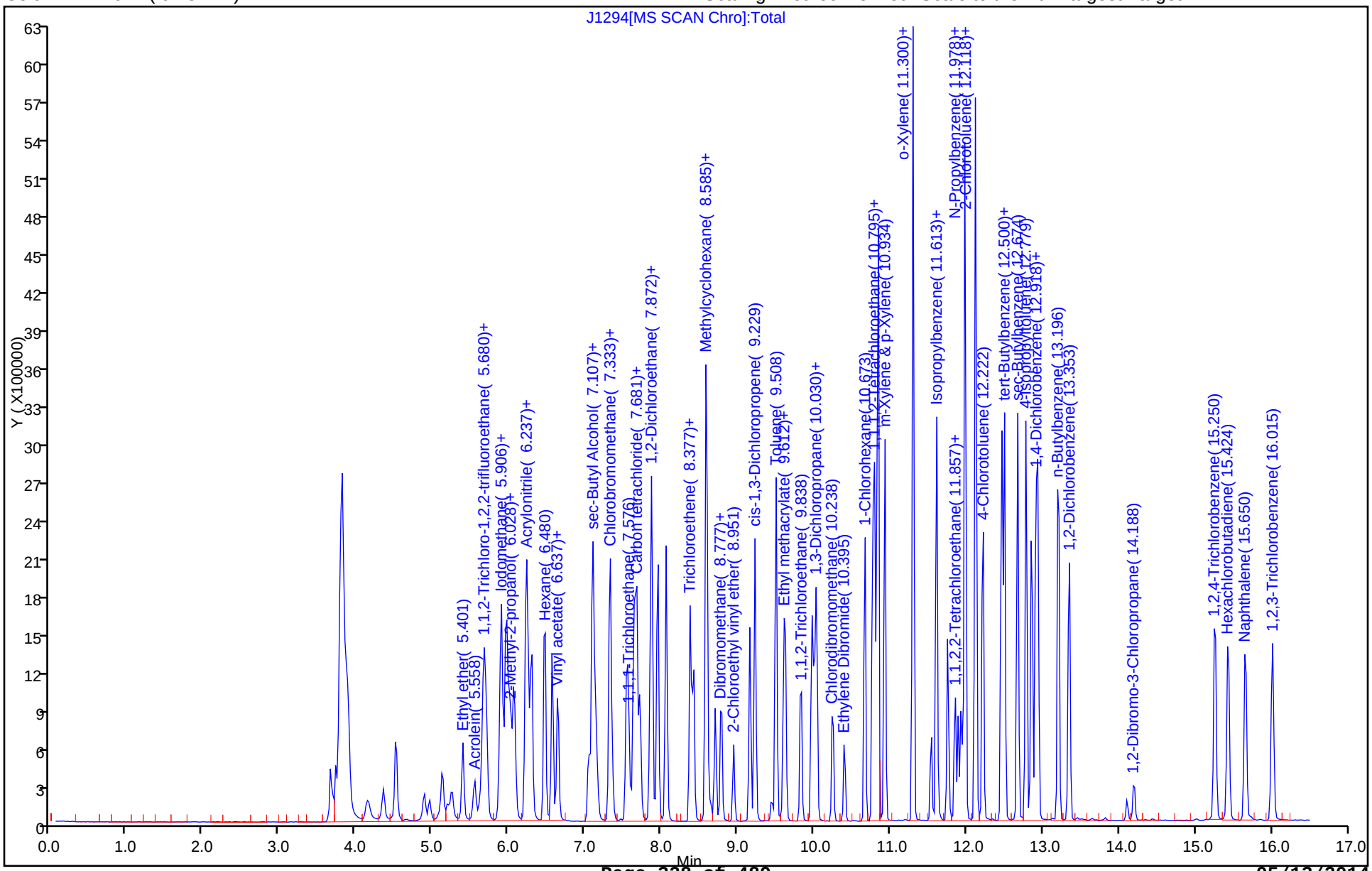
Report Date: 17-Apr-2014 16:20:06 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1294.D

Injection Date:	17-Apr-2014 02:02:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	ICV			Worklist Smp#:	20
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	29
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

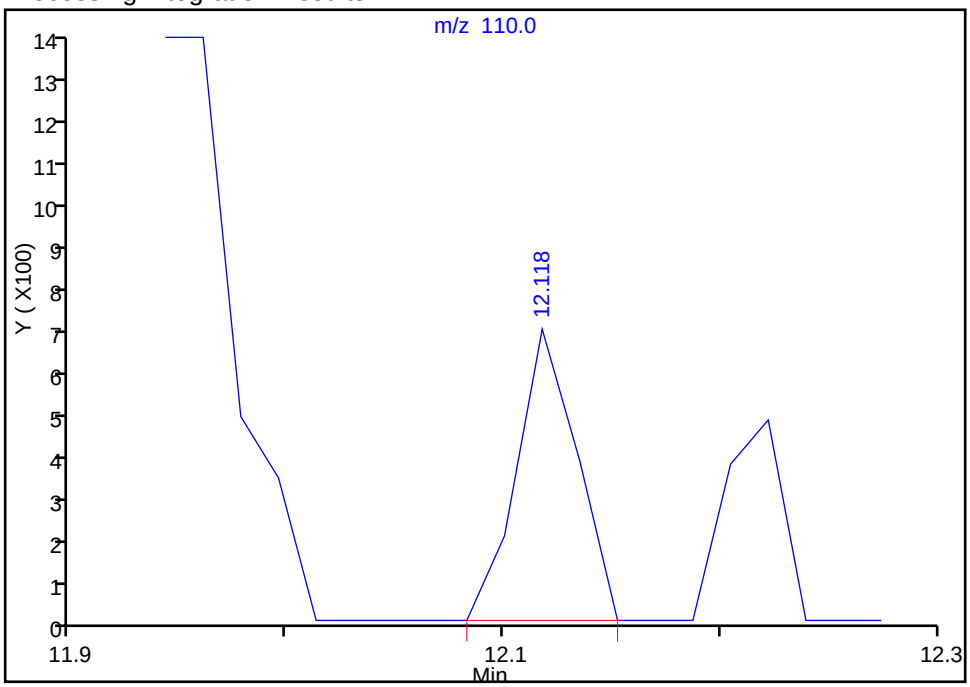
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1294.D
Injection Date: 17-Apr-2014 02:02:30 Instrument ID: VMS_J
Lims ID: ICV
Client ID:
Operator ID: DUKESA ALS Bottle#: 29 Worklist Smp#: 20
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

116 1,2,3-Trichloropropane, CAS: 96-18-4

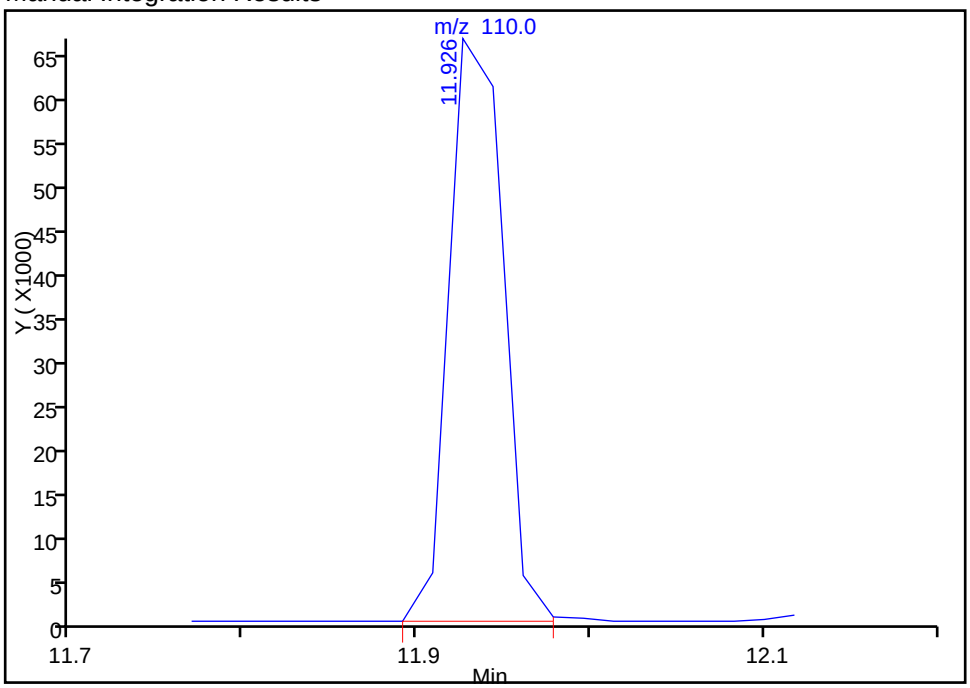
Processing Integration Results

RT: 12.12
Response: 1340
Amount: 0.508531



Manual Integration Results

RT: 11.93
Response: 145157
Amount: 55.087154



Reviewer: dukesa, 17-Apr-2014 16:13:19
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: ICV 280-221699/11 Calibration Date: 04/17/2014 20:05

Instrument ID: VMS_J Calib Start Date: 04/17/2014 17:18

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/17/2014 19:23

Lab File ID: J1308.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2845		56.7	50.0	13.4	20.0
Chloromethane	Ave	0.2745	0.3182		57.9	50.0	15.9	20.0
Vinyl chloride	Ave	0.2395	0.2612		54.5	50.0	9.0	20.0
Bromomethane	Ave	0.1546	0.1845		59.7	50.0	19.4	20.0
Chloroethane	Ave	0.1312	0.1546		58.9	50.0	17.8	20.0
Dichlorofluoromethane	Ave	0.3936	0.4339		55.1	50.0	10.2	50.0
Trichlorofluoromethane	Ave	0.2897	0.3386		58.4	50.0	16.9	20.0
Acetone	Lin1		0.0818		232	200	15.9	20.0
2-Butanone (MEK)	Lin		0.1425		235	200	17.5	20.0
4-Methyl-2-pentanone (MIBK)	Lin		0.3035		236	200	17.8	20.0
2-Hexanone	Lin		0.9249		237	200	18.7	20.0
Cyclohexanone	Lin1		0.0592		2800	2000	40.0	55.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1308.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 17-Apr-2014 20:05:30 ALS Bottle#: 19 Worklist Smp#: 11
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ICV
Operator ID: DUKESA Instrument ID: VMS_J
Sublist:

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:38:40 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	75	987196	1000.0	1000.0	
* 1 Fluorobenzene	96	8.062	8.062	0.000	98	1943071	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	82	464695	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	714933	50.0	50.0	
25 Dichlorodifluoromethane	85	4.147	4.148	-0.001	98	552721	50.0	56.7	
27 Chloromethane	50	4.356	4.374	-0.018	100	618220	50.0	57.9	
28 Vinyl chloride	62	4.513	4.530	-0.017	99	507427	50.0	54.5	
147 Butadiene	54	4.530	4.530	0.000	97	438743	50.0	56.1	
31 Bromomethane	94	4.896	4.913	-0.017	92	358557	50.0	59.7	
32 Chloroethane	64	4.965	4.965	0.000	99	300394	50.0	58.9	
33 Dichlorofluoromethane	67	5.122	5.139	-0.017	95	843020	50.0	55.1	
34 Trichlorofluoromethane	101	5.261	5.261	0.000	98	657863	50.0	58.4	
41 Acetone	43	5.661	5.661	0.000	100	635831	200.0	231.8	
63 2-Butanone (MEK)	43	7.036	7.053	-0.017	99	1107715	200.0	234.9	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	97	2359052	200.0	235.7	
97 2-Hexanone	43	9.976	9.976	0.000	97	1719180	200.0	237.4	
113 Cyclohexanone	55	11.751	11.751	0.000	92	1100513	2000.0	2799.2	

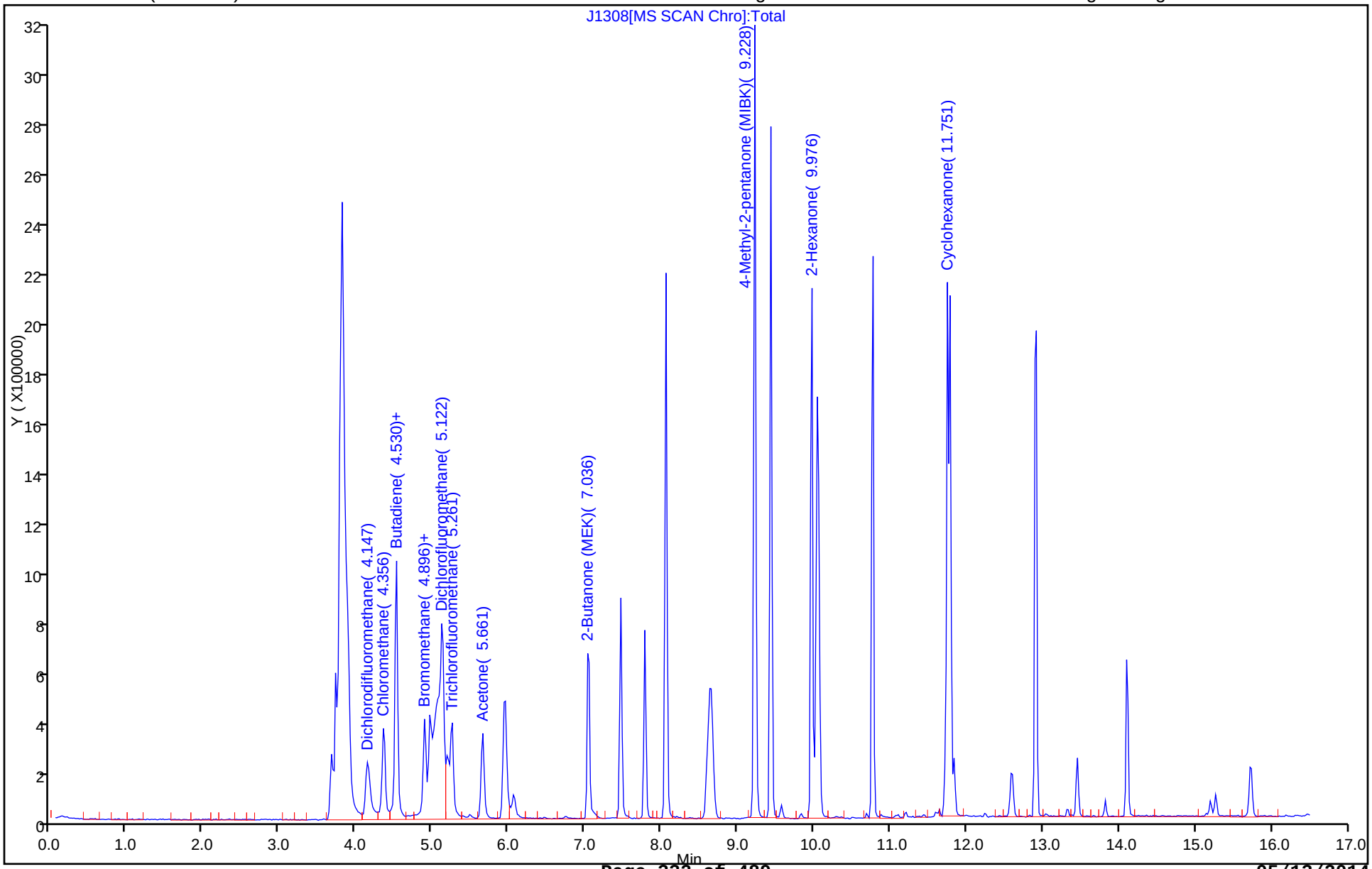
Report Date: 17-Apr-2014 22:38:41 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1308.D

Injection Date:	17-Apr-2014 20:05:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	ICV			Worklist Smp#:	11
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	19
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222203/2 Calibration Date: 04/21/2014 16:29

Instrument ID: VMS_J Calib Start Date: 04/16/2014 19:19

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/16/2014 21:46

Lab File ID: J1373.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acrolein	Ave	0.0348	0.0378		541	499	8.5	50.0
1,1,2-Trichloro-1,2,2-trifluoroethane	Ave	0.2252	0.2394		53.1	50.0	6.3	50.0
1,1-Dichloroethene	Ave	0.2622	0.2642		50.4	50.0	0.8	20.0
Iodomethane	Ave	0.5919	0.6009		50.8	50.0	1.5	35.0
Methyl acetate	Ave	0.1928	0.1959		254	250	1.6	50.0
Allyl chloride	Ave	0.5785	0.5796		50.1	50.0	0.2	35.0
Carbon disulfide	Ave	1.229	1.188		48.3	50.0	-3.3	20.0
2-Methyl-2-propanol	Ave	1.256	1.243		495	500	-1.0	50.0
Methylene Chloride	Lin2		0.3227		49.7	50.0	-0.5	20.0
Acrylonitrile	Ave	0.0847	0.0900		531	500	6.3	50.0
Methyl tert-butyl ether	Ave	0.6444	0.6558		50.9	50.0	1.8	20.0
trans-1,2-Dichloroethene	Ave	0.2774	0.2865		51.6	50.0	3.3	20.0
Hexane	Ave	2.089	1.949		46.7	50.0	-6.7	35.0
Vinyl acetate	Ave	0.4855	0.5164		106	100	6.4	50.0
1,1-Dichloroethane	Ave	0.5483	0.5521		50.4	50.0	0.7	20.0
2-Butanol	Ave	1.040	1.051		1520	1500	1.0	50.0
cis-1,2-Dichloroethene	Ave	0.2994	0.2991		50.0	50.0	-0.1	20.0
2,2-Dichloropropane	Ave	0.3569	0.3748		52.5	50.0	5.0	20.0
Chlorobromomethane	Ave	0.1609	0.1643		51.1	50.0	2.2	20.0
Chloroform	Ave	0.4591	0.4743		51.7	50.0	3.3	20.0
Tetrahydrofuran	Ave	0.0679	0.0747		110	100	10.0	50.0
1,1,1-Trichloroethane	Ave	0.3334	0.3486		52.3	50.0	4.6	20.0
Isobutyl alcohol	Ave	1.388	1.291		465	500	-7.0	50.0
Cyclohexane	Ave	0.5549	0.5752		51.8	50.0	3.7	35.0
1,1-Dichloropropene	Ave	0.3770	0.3900		51.7	50.0	3.4	20.0
Carbon tetrachloride	Ave	0.3151	0.3427		54.4	50.0	8.8	20.0
1,2-Dichloroethane	Ave	0.3043	0.3175		52.2	50.0	4.3	20.0
Benzene	Ave	1.095	1.132		51.7	50.0	3.4	20.0
Trichloroethene	Ave	0.3086	0.3336		54.0	50.0	8.1	20.0
2-Pentanone	Ave	0.1991	0.2139		215	200	7.4	35.0
1,2-Dichloropropane	Ave	0.3344	0.3186		47.6	50.0	-4.7	20.0
Methylcyclohexane	Ave	0.4303	0.4612		53.6	50.0	7.2	35.0
1,4-Dioxane	Ave	0.0026	0.0027		1050	1000	4.6	50.0
Dibromomethane	Ave	0.1717	0.1752		51.0	50.0	2.0	20.0
Dichlorobromomethane	Ave	0.3395	0.3487		51.3	50.0	2.7	20.0
cis-1,3-Dichloropropene	Ave	1.794	1.829		51.0	50.0	1.9	20.0
Toluene	Ave	1.018	1.055		51.8	50.0	3.6	20.0
Ethyl methacrylate	Ave	1.181	1.267		53.6	50.0	7.3	35.0
trans-1,3-Dichloropropene	Ave	0.3633	0.3702		50.9	50.0	1.9	20.0
1,1,2-Trichloroethane	Ave	0.2057	0.2069		50.3	50.0	0.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222203/2 Calibration Date: 04/21/2014 16:29

Instrument ID: VMS_J Calib Start Date: 04/16/2014 19:19

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/16/2014 21:46

Lab File ID: J1373.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,3-Dichloropropane	Ave	1.555	1.563		50.2	50.0	0.5	20.0
Tetrachloroethene	Ave	0.9721	1.074		55.2	50.0	10.4	20.0
Chlorodibromomethane	Ave	1.068	1.130		52.9	50.0	5.8	20.0
Ethylene Dibromide	Ave	0.9280	0.9556		51.5	50.0	3.0	20.0
1-Chlorohexane	Ave	1.586	1.771		55.8	50.0	11.7	35.0
Chlorobenzene	Ave	2.982	3.120		52.3	50.0	4.6	20.0
1,1,1,2-Tetrachloroethane	Ave	1.028	1.086		52.8	50.0	5.7	20.0
Ethylbenzene	Ave	1.488	1.565		52.6	50.0	5.2	20.0
m-Xylene & p-Xylene	Ave	3.621	3.957		54.6	50.0	9.3	20.0
o-Xylene	Ave	1.744	1.867		53.5	50.0	7.0	20.0
Styrene	Ave	2.808	3.015		53.7	50.0	7.4	20.0
Bromoform	Ave	0.6942	0.7589		54.7	50.0	9.3	20.0
Isopropylbenzene	Ave	2.924	3.172		54.2	50.0	8.5	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7686	0.7923		51.5	50.0	3.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2058	0.2036		49.5	50.0	-1.1	50.0
1,2,3-Trichloropropane	Ave	0.1762	0.1903		54.0	50.0	8.0	20.0
Bromobenzene	Ave	0.8520	0.9125		53.5	50.0	7.1	20.0
N-Propylbenzene	Ave	0.8401	0.9218		54.9	50.0	9.7	20.0
1,3,5-Trimethylbenzene	Ave	2.351	2.527		53.7	50.0	7.5	20.0
2-Chlorotoluene	Ave	0.7580	0.8045		53.1	50.0	6.1	20.0
4-Chlorotoluene	Ave	0.7793	0.8518		54.7	50.0	9.3	20.0
tert-Butylbenzene	Ave	2.505	2.661		53.1	50.0	6.2	20.0
1,2,4-Trimethylbenzene	Ave	2.412	2.525		52.3	50.0	4.7	20.0
sec-Butylbenzene	Ave	0.6541	0.7193		55.0	50.0	10.0	20.0
4-Isopropyltoluene	Ave	2.824	3.041		53.8	50.0	7.7	20.0
1,3-Dichlorobenzene	Ave	1.587	1.717		54.1	50.0	8.2	20.0
1,4-Dichlorobenzene	Ave	1.605	1.684		52.5	50.0	4.9	20.0
n-Butylbenzene	Ave	2.622	2.804		53.5	50.0	6.9	20.0
1,2-Dichlorobenzene	Ave	1.464	1.531		52.3	50.0	4.6	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.1442	0.1542		53.5	50.0	7.0	20.0
1,2,4-Trichlorobenzene	Ave	1.006	1.067		53.0	50.0	6.1	20.0
Hexachlorobutadiene	Ave	0.5269	0.5794		55.0	50.0	10.0	20.0
Naphthalene	Ave	2.075	2.095		50.5	50.0	1.0	20.0
1,2,3-Trichlorobenzene	Ave	0.8776	0.9287		52.9	50.0	5.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1373.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 21-Apr-2014 16:29:30 ALS Bottle#: 10 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:34:14 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: dukesa Date: 21-Apr-2014 18:12:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.944	5.944	0.000	85	934635	1000.0	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.000	98	1934899	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.764	10.764	0.000	84	473304	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.904	12.904	0.000	95	742360	50.0	50.0	
25 Dichlorodifluoromethane	85	4.152	4.152	0.000	99	468847	50.0	48.5	
27 Chloromethane	50		4.356						
28 Vinyl chloride	62		4.513						
147 Butadiene	54		4.530						
31 Bromomethane	94		4.896						
32 Chloroethane	64		4.965						
33 Dichlorofluoromethane	67		5.122						
34 Trichlorofluoromethane	101		5.261						
37 Ethyl ether	59	5.405	5.405	0.000	96	444448	50.0	43.3	
40 Acrolein	56	5.544	5.544	0.000	90	729452	498.7	541.2	
41 Acetone	43		5.661						
42 1,1,2-Trichloro-1,2,2-trif	151	5.666	5.666	0.000	94	463173	50.0	53.1	
45 1,1-Dichloroethene	96	5.700	5.700	0.000	97	511239	50.0	50.4	
46 Iodomethane	142	5.892	5.892	0.000	99	1162594	50.0	50.8	
48 Methyl acetate	43	5.909	5.909	0.000	97	1895195	250.0	254.0	
49 3-Chloro-1-propene	41	5.961	5.961	0.000	85	1121378	50.0	50.1	
51 Carbon disulfide	76	5.979	5.979	0.000	99	2297841	50.0	48.3	
50 2-Methyl-2-propanol	59	6.014	6.014	0.000	53	580859	500.0	494.8	
52 Methylene Chloride	84	6.066	6.066	0.000	91	624399	50.0	49.7	
53 Acrylonitrile	53	6.222	6.222	0.000	99	1740523	500.0	531.3	
54 Methyl tert-butyl ether	73	6.257	6.257	0.000	90	1268805	50.0	50.9	
55 trans-1,2-Dichloroethene	96	6.292	6.292	0.000	94	554348	50.0	51.6	
56 Hexane	57	6.466	6.466	0.000	93	922697	50.0	46.7	
57 Vinyl acetate	43	6.570	6.570	0.000	97	1998177	100.0	106.4	
59 1,1-Dichloroethane	63	6.640	6.640	0.000	97	1068285	50.0	50.4	
63 2-Butanone (MEK)	43		7.053						
64 sec-Butyl Alcohol	45	7.092	7.092	0.000	98	1473044	1500.0	1515.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.110	7.110	0.000	83	578710	50.0	50.0	
67 2,2-Dichloropropane	77	7.145	7.145	0.000	90	725161	50.0	52.5	
69 Chlorobromomethane	128	7.319	7.319	0.000	91	317973	50.0	51.1	
70 Chloroform	83	7.336	7.336	0.000	94	917630	50.0	51.7	
71 Tetrahydrofuran	42	7.353	7.353	0.000	90	289128	100.0	110.0	
73 1,1,1-Trichloroethane	97	7.562	7.562	0.000	92	674590	50.0	52.3	
72 Isobutyl alcohol	41	7.632	7.632	0.000	97	603289	500.0	465.0	
74 Cyclohexane	56	7.649	7.649	0.000	93	1112970	50.0	51.8	
75 1,1-Dichloropropene	75	7.667	7.667	0.000	88	754648	50.0	51.7	
76 Carbon tetrachloride	117	7.719	7.719	0.000	80	663168	50.0	54.4	
77 1,2-Dichloroethane	62	7.858	7.858	0.000	97	614279	50.0	52.2	
79 Benzene	78	7.875	7.875	0.000	94	2190554	50.0	51.7	
14 n-Heptane	43	7.945	7.945	0.000	94	1089827	50.0	52.4	
81 Trichloroethene	130	8.380	8.380	0.000	93	645546	50.0	54.0	
82 2-Pentanone	43	8.415	8.415	0.000	98	1655711	200.0	214.9	
85 Methylcyclohexane	55	8.589	8.589	0.000	92	892290	50.0	53.6	
84 1,2-Dichloropropane	63	8.589	8.589	0.000	79	616442	50.0	47.6	
86 1,4-Dioxane	88	8.641	8.641	0.000	89	104827	1000.0	1046.2	
87 Dibromomethane	93	8.711	8.711	0.000	82	339017	50.0	51.0	
88 Dichlorobromomethane	83	8.780	8.780	0.000	93	674619	50.0	51.3	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.000	91	300667	50.0	50.2	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.000	91	865849	50.0	51.0	
92 4-Methyl-2-pentanone (MIBK	43		9.228						
93 Toluene	91	9.494	9.494	0.000	92	2041396	50.0	51.8	
94 Ethyl methacrylate	69	9.598	9.598	0.000	90	599861	50.0	53.6	
95 trans-1,3-Dichloropropene	75	9.615	9.615	0.000	98	716219	50.0	50.9	
96 1,1,2-Trichloroethane	97	9.824	9.824	0.000	91	400359	50.0	50.3	
97 2-Hexanone	43		9.976						
98 1,3-Dichloropropane	76	9.998	9.998	0.000	93	739627	50.0	50.2	
99 Tetrachloroethene	164	10.033	10.033	0.000	98	508119	50.0	55.2	
100 Chlorodibromomethane	129	10.242	10.242	0.000	87	534963	50.0	52.9	
102 Ethylene Dibromide	107	10.398	10.398	0.000	99	452295	50.0	51.5	
103 1-Chlorohexane	91	10.659	10.659	0.000	98	838254	50.0	55.8	
104 Chlorobenzene	112	10.799	10.799	0.000	95	1476794	50.0	52.3	
105 Ethylbenzene	106	10.833	10.833	0.000	94	740673	50.0	52.6	
106 1,1,1,2-Tetrachloroethane	131	10.833	10.833	0.000	47	514127	50.0	52.8	
107 m-Xylene & p-Xylene	91	10.920	10.920	0.000	100	1872683	50.0	54.6	
108 Styrene	104	11.303	11.303	0.000	89	1427039	50.0	53.7	
109 o-Xylene	106	11.303	11.303	0.000	85	883856	50.0	53.5	
110 Bromoform	173	11.529	11.529	0.000	95	359180	50.0	54.7	
111 Isopropylbenzene	105	11.599	11.599	0.000	96	2354457	50.0	54.2	
113 Cyclohexanone	55		11.751						
114 1,1,2,2-Tetrachloroethane	83	11.842	11.842	0.000	83	588205	50.0	51.5	
115 trans-1,4-Dichloro-2-buten	53	11.895	11.895	0.000	88	151150	50.0	49.5	
116 1,2,3-Trichloropropane	110	11.929	11.929	0.000	79	141291	50.0	54.0	
117 N-Propylbenzene	120	11.982	11.982	0.000	95	684320	50.0	54.9	
118 Bromobenzene	156	11.982	11.982	0.000	49	677389	50.0	53.5	
119 1,3,5-Trimethylbenzene	105	12.121	12.121	0.000	89	1876002	50.0	53.7	
120 2-Chlorotoluene	126	12.121	12.121	0.000	93	597253	50.0	53.1	
121 4-Chlorotoluene	126	12.208	12.208	0.000	99	632363	50.0	54.7	
122 tert-Butylbenzene	119	12.469	12.469	0.000	87	1975064	50.0	53.1	
123 1,2,4-Trimethylbenzene	105	12.504	12.504	0.000	89	1874690	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.678	12.678	0.000	93	534000	50.0	55.0	
125 4-Isopropyltoluene	119	12.782	12.782	0.000	94	2257409	50.0	53.8	
126 1,3-Dichlorobenzene	146	12.852	12.852	0.000	87	1274858	50.0	54.1	
128 1,4-Dichlorobenzene	146	12.939	12.939	0.000	97	1250164	50.0	52.5	
129 n-Butylbenzene	91	13.200	13.200	0.000	95	2081684	50.0	53.5	
130 1,2-Dichlorobenzene	146	13.339	13.339	0.000	99	1136915	50.0	52.3	
131 1,2-Dibromo-3-Chloropropan	157	14.191	14.191	0.000	84	114474	50.0	53.5	
132 1,2,4-Trichlorobenzene	180	15.253	15.253	0.000	94	792142	50.0	53.0	
133 Hexachlorobutadiene	225	15.427	15.427	0.000	96	430125	50.0	55.0	
134 Naphthalene	128	15.653	15.653	0.000	96	1555051	50.0	50.5	
135 1,2,3-Trichlorobenzene	180	16.018	16.018	0.000	94	689458	50.0	52.9	
S 142 1,2-Dichloroethene, Total	96				0		100.0	101.6	
S 136 Trihalomethanes, Total	1				0		200.0	210.6	
S 137 Xylenes, Total (URS)	1				0		100.0	108.2	
S 138 Total BTEX	1				0			264.2	
S 139 1,3-Dichloropropene, Total	1				0		100.0	101.9	
S 140 1,2-Dichloroethene, Total	1				0		100.0	101.6	
S 141 Xylenes, Total	106				0		100.0	108.2	

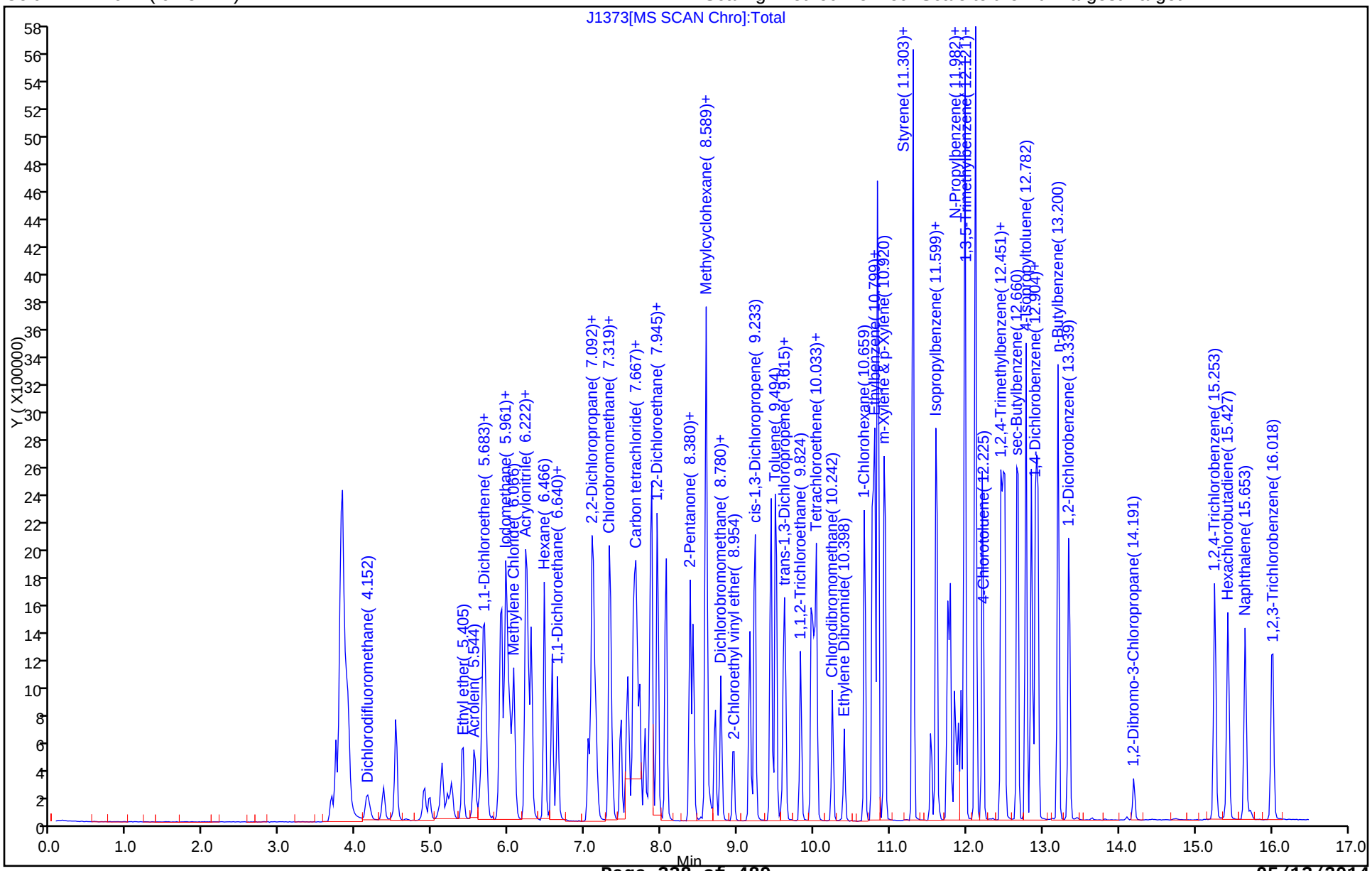
Report Date: 22-Apr-2014 16:34:15 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1373.D

Injection Date:	21-Apr-2014 16:29:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222203/2 Calibration Date: 04/21/2014 16:29

Instrument ID: VMS_J Calib Start Date: 04/17/2014 17:18

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/17/2014 19:23

Lab File ID: J1373.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.2423		48.5	50.0	-2.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1373.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 21-Apr-2014 16:29:30 ALS Bottle#: 10 Worklist Smp#: 2
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub56

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:34:14 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: dukesa Date: 21-Apr-2014 18:12:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.944	5.944	0.000	85	934635	1000.0	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.000	98	1934899	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.764	10.764	0.000	84	473304	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.904	12.904	0.000	95	742360	50.0	50.0	
25 Dichlorodifluoromethane	85	4.152	4.152	0.000	99	468847	50.0	48.5	
27 Chloromethane	50		4.356						
28 Vinyl chloride	62		4.513						
147 Butadiene	54		4.530						
31 Bromomethane	94		4.896						
32 Chloroethane	64		4.965						
33 Dichlorofluoromethane	67		5.122						
34 Trichlorofluoromethane	101		5.261						
37 Ethyl ether	59	5.405	5.405	0.000	96	444448	50.0	43.3	
40 Acrolein	56	5.544	5.544	0.000	90	729452	498.7	541.2	
41 Acetone	43		5.661						
42 1,1,2-Trichloro-1,2,2-trif	151	5.666	5.666	0.000	94	463173	50.0	53.1	
45 1,1-Dichloroethene	96	5.700	5.700	0.000	97	511239	50.0	50.4	
46 Iodomethane	142	5.892	5.892	0.000	99	1162594	50.0	50.8	
48 Methyl acetate	43	5.909	5.909	0.000	97	1895195	250.0	254.0	
49 3-Chloro-1-propene	41	5.961	5.961	0.000	85	1121378	50.0	50.1	
51 Carbon disulfide	76	5.979	5.979	0.000	99	2297841	50.0	48.3	
50 2-Methyl-2-propanol	59	6.014	6.014	0.000	53	580859	500.0	494.8	
52 Methylene Chloride	84	6.066	6.066	0.000	91	624399	50.0	49.7	
53 Acrylonitrile	53	6.222	6.222	0.000	99	1740523	500.0	531.3	
54 Methyl tert-butyl ether	73	6.257	6.257	0.000	90	1268805	50.0	50.9	
55 trans-1,2-Dichloroethene	96	6.292	6.292	0.000	94	554348	50.0	51.6	
56 Hexane	57	6.466	6.466	0.000	93	922697	50.0	46.7	
57 Vinyl acetate	43	6.570	6.570	0.000	97	1998177	100.0	106.4	
59 1,1-Dichloroethane	63	6.640	6.640	0.000	97	1068285	50.0	50.4	
63 2-Butanone (MEK)	43		7.053						
64 sec-Butyl Alcohol	45	7.092	7.092	0.000	98	1473044	1500.0	1515.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 cis-1,2-Dichloroethene	96	7.110	7.110	0.000	83	578710	50.0	50.0	
67 2,2-Dichloropropane	77	7.145	7.145	0.000	90	725161	50.0	52.5	
69 Chlorobromomethane	128	7.319	7.319	0.000	91	317973	50.0	51.1	
70 Chloroform	83	7.336	7.336	0.000	94	917630	50.0	51.7	
71 Tetrahydrofuran	42	7.353	7.353	0.000	90	289128	100.0	110.0	
73 1,1,1-Trichloroethane	97	7.562	7.562	0.000	92	674590	50.0	52.3	
72 Isobutyl alcohol	41	7.632	7.632	0.000	97	603289	500.0	465.0	
74 Cyclohexane	56	7.649	7.649	0.000	93	1112970	50.0	51.8	
75 1,1-Dichloropropene	75	7.667	7.667	0.000	88	754648	50.0	51.7	
76 Carbon tetrachloride	117	7.719	7.719	0.000	80	663168	50.0	54.4	
77 1,2-Dichloroethane	62	7.858	7.858	0.000	97	614279	50.0	52.2	
79 Benzene	78	7.875	7.875	0.000	94	2190554	50.0	51.7	
14 n-Heptane	43	7.945	7.945	0.000	94	1089827	50.0	52.4	
81 Trichloroethene	130	8.380	8.380	0.000	93	645546	50.0	54.0	
82 2-Pentanone	43	8.415	8.415	0.000	98	1655711	200.0	214.9	
85 Methylcyclohexane	55	8.589	8.589	0.000	92	892290	50.0	53.6	
84 1,2-Dichloropropane	63	8.589	8.589	0.000	79	616442	50.0	47.6	
86 1,4-Dioxane	88	8.641	8.641	0.000	89	104827	1000.0	1046.2	
87 Dibromomethane	93	8.711	8.711	0.000	82	339017	50.0	51.0	
88 Dichlorobromomethane	83	8.780	8.780	0.000	93	674619	50.0	51.3	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.000	91	300667	50.0	50.2	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.000	91	865849	50.0	51.0	
92 4-Methyl-2-pentanone (MIBK	43		9.228						
93 Toluene	91	9.494	9.494	0.000	92	2041396	50.0	51.8	
94 Ethyl methacrylate	69	9.598	9.598	0.000	90	599861	50.0	53.6	
95 trans-1,3-Dichloropropene	75	9.615	9.615	0.000	98	716219	50.0	50.9	
96 1,1,2-Trichloroethane	97	9.824	9.824	0.000	91	400359	50.0	50.3	
97 2-Hexanone	43		9.976						
98 1,3-Dichloropropane	76	9.998	9.998	0.000	93	739627	50.0	50.2	
99 Tetrachloroethene	164	10.033	10.033	0.000	98	508119	50.0	55.2	
100 Chlorodibromomethane	129	10.242	10.242	0.000	87	534963	50.0	52.9	
102 Ethylene Dibromide	107	10.398	10.398	0.000	99	452295	50.0	51.5	
103 1-Chlorohexane	91	10.659	10.659	0.000	98	838254	50.0	55.8	
104 Chlorobenzene	112	10.799	10.799	0.000	95	1476794	50.0	52.3	
105 Ethylbenzene	106	10.833	10.833	0.000	94	740673	50.0	52.6	
106 1,1,1,2-Tetrachloroethane	131	10.833	10.833	0.000	47	514127	50.0	52.8	
107 m-Xylene & p-Xylene	91	10.920	10.920	0.000	100	1872683	50.0	54.6	
108 Styrene	104	11.303	11.303	0.000	89	1427039	50.0	53.7	
109 o-Xylene	106	11.303	11.303	0.000	85	883856	50.0	53.5	
110 Bromoform	173	11.529	11.529	0.000	95	359180	50.0	54.7	
111 Isopropylbenzene	105	11.599	11.599	0.000	96	2354457	50.0	54.2	
113 Cyclohexanone	55		11.751						
114 1,1,2,2-Tetrachloroethane	83	11.842	11.842	0.000	83	588205	50.0	51.5	
115 trans-1,4-Dichloro-2-buten	53	11.895	11.895	0.000	88	151150	50.0	49.5	
116 1,2,3-Trichloropropane	110	11.929	11.929	0.000	79	141291	50.0	54.0	
117 N-Propylbenzene	120	11.982	11.982	0.000	95	684320	50.0	54.9	
118 Bromobenzene	156	11.982	11.982	0.000	49	677389	50.0	53.5	
119 1,3,5-Trimethylbenzene	105	12.121	12.121	0.000	89	1876002	50.0	53.7	
120 2-Chlorotoluene	126	12.121	12.121	0.000	93	597253	50.0	53.1	
121 4-Chlorotoluene	126	12.208	12.208	0.000	99	632363	50.0	54.7	
122 tert-Butylbenzene	119	12.469	12.469	0.000	87	1975064	50.0	53.1	
123 1,2,4-Trimethylbenzene	105	12.504	12.504	0.000	89	1874690	50.0	52.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
124 sec-Butylbenzene	134	12.678	12.678	0.000	93	534000	50.0	55.0	
125 4-Isopropyltoluene	119	12.782	12.782	0.000	94	2257409	50.0	53.8	
126 1,3-Dichlorobenzene	146	12.852	12.852	0.000	87	1274858	50.0	54.1	
128 1,4-Dichlorobenzene	146	12.939	12.939	0.000	97	1250164	50.0	52.5	
129 n-Butylbenzene	91	13.200	13.200	0.000	95	2081684	50.0	53.5	
130 1,2-Dichlorobenzene	146	13.339	13.339	0.000	99	1136915	50.0	52.3	
131 1,2-Dibromo-3-Chloropropan	157	14.191	14.191	0.000	84	114474	50.0	53.5	
132 1,2,4-Trichlorobenzene	180	15.253	15.253	0.000	94	792142	50.0	53.0	
133 Hexachlorobutadiene	225	15.427	15.427	0.000	96	430125	50.0	55.0	
134 Naphthalene	128	15.653	15.653	0.000	96	1555051	50.0	50.5	
135 1,2,3-Trichlorobenzene	180	16.018	16.018	0.000	94	689458	50.0	52.9	
S 142 1,2-Dichloroethene, Total	96				0		100.0	101.6	
S 136 Trihalomethanes, Total	1				0		200.0	210.6	
S 137 Xylenes, Total (URS)	1				0		100.0	108.2	
S 138 Total BTEX	1				0			264.2	
S 139 1,3-Dichloropropene, Total	1				0		100.0	101.9	
S 140 1,2-Dichloroethene, Total	1				0		100.0	101.6	
S 141 Xylenes, Total	106				0		100.0	108.2	

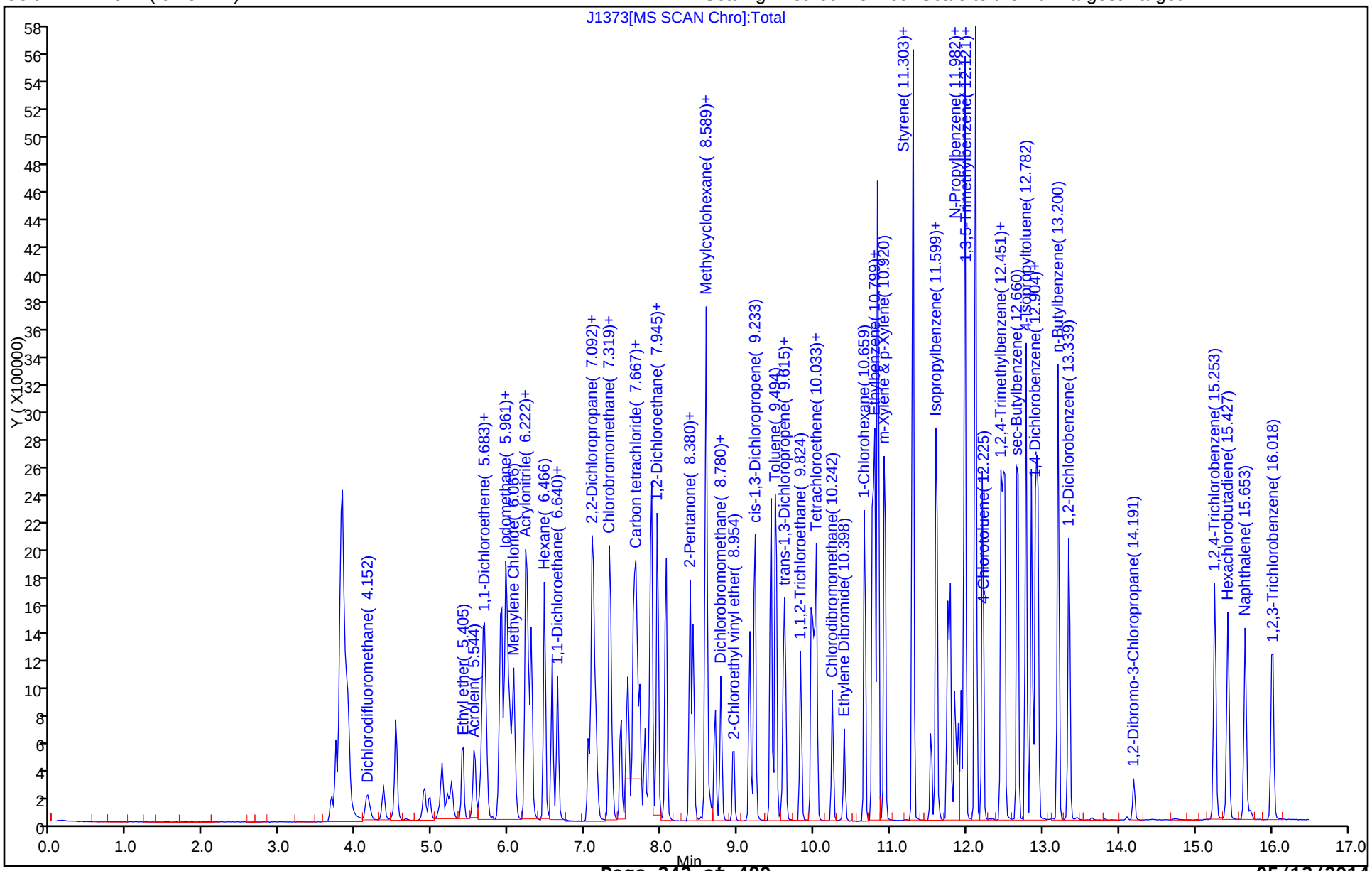
Report Date: 22-Apr-2014 16:34:15 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1373.D

Injection Date:	21-Apr-2014 16:29:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	2
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222203/3 Calibration Date: 04/21/2014 16:50

Instrument ID: VMS_J Calib Start Date: 04/16/2014 22:50

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/17/2014 01:19

Lab File ID: J1374.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.0988	0.0799		2020	2500	-19.2	50.0
Isopropyl alcohol	Ave	0.8329	0.7735		464	500	-7.1	50.0
Acetonitrile	Lin1		0.0299		493	500	-1.3	50.0
Isopropyl ether	Ave	0.1888	0.1864		49.4	50.0	-1.3	35.0
2-Chloro-1,3-butadiene	Ave	0.3770	0.4141		54.9	50.0	9.8	35.0
Tert-butyl ethyl ether	Ave	0.8235	0.8146		49.5	50.0	-1.1	35.0
Propionitrile	Ave	0.0337	0.0315		467	500	-6.6	50.0
Methacrylonitrile	Ave	0.1354	0.1272		470	500	-6.1	50.0
Tert-amyl methyl ether	Ave	0.6740	0.6525		48.4	50.0	-3.2	35.0
Methyl methacrylate	Ave	0.0546	0.0544		99.8	100	-0.2	35.0
cis-1,4-Dichloro-2-butene	Ave	0.2126	0.1967		46.2	50.0	-7.5	50.0
Dibromofluoromethane (Surr)	Ave	0.3038	0.2798		46.0	50.0	-7.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2722	0.2386		43.8	50.0	-12.4	20.0
Toluene-d8 (Surr)	Ave	3.763	3.787		50.3	50.0	0.7	20.0
4-Bromofluorobenzene (Surr)	Ave	0.9155	0.8754		47.8	50.0	-4.4	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1374.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 21-Apr-2014 16:50:30 ALS Bottle#: 11 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub58

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:34:13 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	84	828421	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.063	0.000	99	1823072	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	82	441285	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	94	687480	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.471	7.471	0.000	60	510051	50.0	46.0	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.784	7.784	0.000	95	434927	50.0	43.8	
$ 7 Toluene-d8 (Surr)	98	9.437	9.437	0.000	84	1671271	50.0	50.3	
$ 8 4-Bromofluorobenzene (Surr	95	11.786	11.786	0.000	92	601849	50.0	47.8	
30 Ethylene oxide	43	4.826	4.826	0.000	100	2633977	10000	10514	E
35 Ethanol	45	5.244	5.244	0.000	99	165364	2500.0	2020.0	
39 Propene oxide	58	5.505	5.505	0.000	99	4297521	2500.0	2609.5	
44 Isopropyl alcohol	45	5.679	5.679	0.000	99	320370	500.0	464.3	
47 Acetonitrile	41	5.905	5.905	0.000	99	544334	500.0	493.3	
58 Isopropyl ether	87	6.584	6.584	0.000	97	339814	50.0	49.4	
60 2-Chloro-1,3-butadiene	53	6.723	6.723	0.000	90	754873	50.0	54.9	
61 Tert-butyl ethyl ether	59	6.897	6.897	0.000	96	1485023	50.0	49.5	
62 Ethyl acetate	43	7.036	7.036	0.000	99	576885	100.0	97.7	
66 Propionitrile	54	7.106	7.106	0.000	100	574138	500.0	467.0	
68 Methacrylonitrile	41	7.245	7.245	0.000	93	2319081	500.0	469.6	
78 Tert-amyl methyl ether	73	7.854	7.854	0.000	96	1189592	50.0	48.4	
80 n-Butanol	56	8.080	8.080	0.000	91	340774	1250.0	1074.0	
148 Ethyl acrylate	55	8.306	8.306	0.000	0	535004	50.0	47.5	
83 Methyl methacrylate	100	8.532	8.532	0.000	89	198508	100.0	99.8	
90 2-Nitropropane	41	8.950	8.950	0.000	98	155648	100.0	92.4	
144 n-Butyl acetate	43	10.029	10.029	0.000	95	531901	50.0	42.9	
101 Tetrahydrothiophene	60	10.290	10.290	0.000	58	337620	50.0	47.7	
112 cis-1,4-Dichloro-2-butene	53	11.647	11.647	0.000	87	135212	50.0	46.2	
127 1,2,3-Trimethylbenzene	105	12.935	12.935	0.000	85	1749643	50.0	53.1	
146 Benzyl chloride	126	13.039	13.039	0.000	99	193740	50.0	61.1	
16 1,3,5-Trichlorobenzene	180	14.448	14.448	0.000	97	857357	50.0	58.2	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

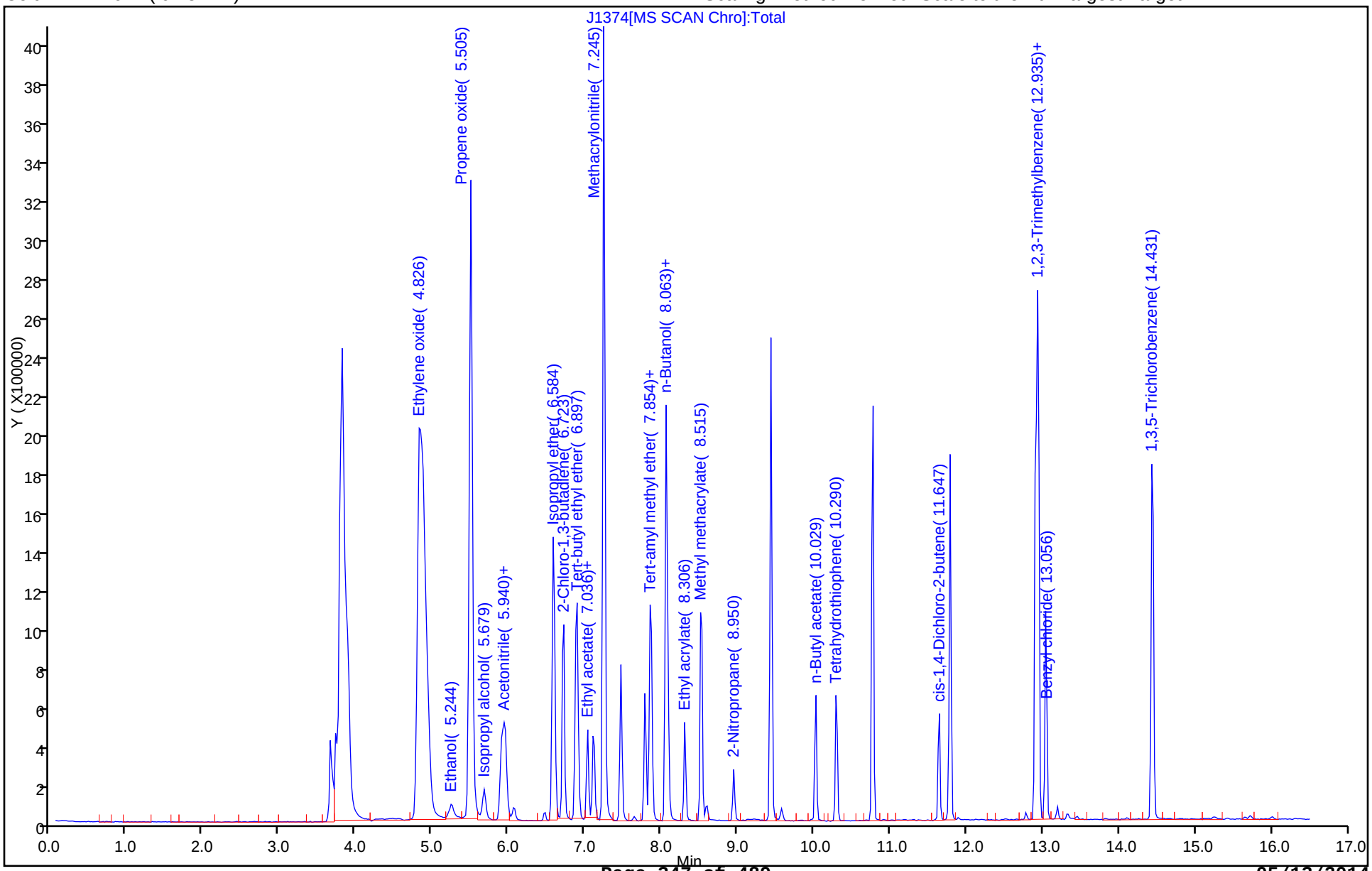
Report Date: 22-Apr-2014 16:34:14 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1374.D

Injection Date:	21-Apr-2014 16:50:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Lab Sample ID: CCV 280-222203/4 Calibration Date: 04/21/2014 17:11

Instrument ID: VMS_J Calib Start Date: 04/17/2014 17:18

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 04/17/2014 19:23

Lab File ID: J1375.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chloromethane	Ave	0.2745	0.2735		49.8	50.0	-0.4	20.0
Vinyl chloride	Ave	0.2395	0.2249		47.0	50.0	-6.1	20.0
Bromomethane	Ave	0.1546	0.1492		48.3	50.0	-3.5	20.0
Chloroethane	Ave	0.1312	0.1196		45.5	50.0	-8.9	20.0
Dichlorofluoromethane	Ave	0.3936	0.3683		46.8	50.0	-6.4	50.0
Trichlorofluoromethane	Ave	0.2897	0.2748		47.4	50.0	-5.2	20.0
Acetone	Lin1		0.0674		190	200	-4.9	20.0
2-Butanone (MEK)	Lin		0.1162		191	200	-4.5	20.0
4-Methyl-2-pentanone (MIBK)	Lin		0.2522		195	200	-2.5	20.0
2-Hexanone	Lin		0.7653		195	200	-2.5	20.0
Cyclohexanone	Lin1		0.0414		1970	2000	-1.6	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1375.D
Lims ID: CCV
Client ID:
Sample Type: CCV
Inject. Date: 21-Apr-2014 17:11:30 ALS Bottle#: 12 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCV G2 Q4
Operator ID: DUKESA Instrument ID: VMS_J
Sublist: chrom-SO_VMSJ_8260*sub79

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:34:12 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: dukesa Date: 21-Apr-2014 18:54:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.957	5.957	0.000	75	872145	1000.0	1000.0	
* 1 Fluorobenzene	96	8.062	8.062	0.000	98	1915044	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.777	0.000	82	455413	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.917	0.000	92	708370	50.0	50.0	
25 Dichlorodifluoromethane	85		4.152						
27 Chloromethane	50	4.356	4.356	0.000	100	523766	50.0	49.8	
28 Vinyl chloride	62	4.513	4.513	0.000	98	430672	50.0	47.0	
147 Butadiene	54	4.530	4.530	0.000	95	373287	50.0	48.5	
31 Bromomethane	94	4.896	4.896	0.000	93	285752	50.0	48.3	
32 Chloroethane	64	4.965	4.965	0.000	98	228939	50.0	45.5	
33 Dichlorofluoromethane	67	5.122	5.122	0.000	94	705241	50.0	46.8	
34 Trichlorofluoromethane	101	5.261	5.261	0.000	98	526164	50.0	47.4	
41 Acetone	43	5.661	5.661	0.000	99	516357	200.0	190.2	
63 2-Butanone (MEK)	43	7.053	7.053	0.000	99	890105	200.0	191.0	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.228	0.000	96	1931986	200.0	194.9	
97 2-Hexanone	43	9.976	9.976	0.000	97	1394021	200.0	195.1	
113 Cyclohexanone	55	11.751	11.751	0.000	93	753300	2000.0	1967.8	

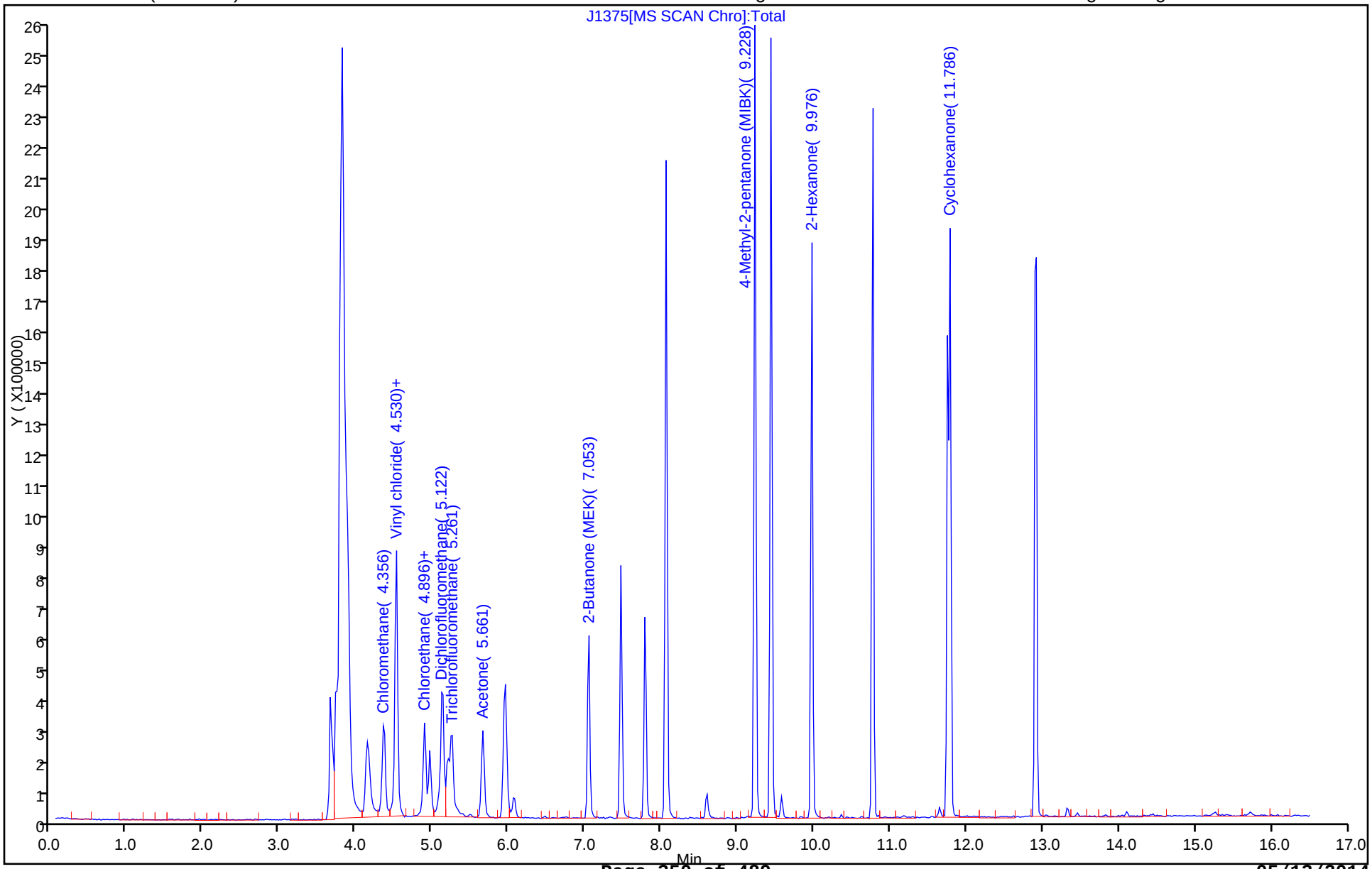
Report Date: 22-Apr-2014 16:34:12 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1375.D

Injection Date:	21-Apr-2014 17:11:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	CCV			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8103.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 05-Mar-2014 06:34:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: bfb
Operator ID: ILCZYSZYND Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 08:25:00 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK032

First Level Reviewer: ilczyszynd Date: 06-Mar-2014 08:25:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.625	4.625	0.0	80	63515	NR	7

QC Flag Legend

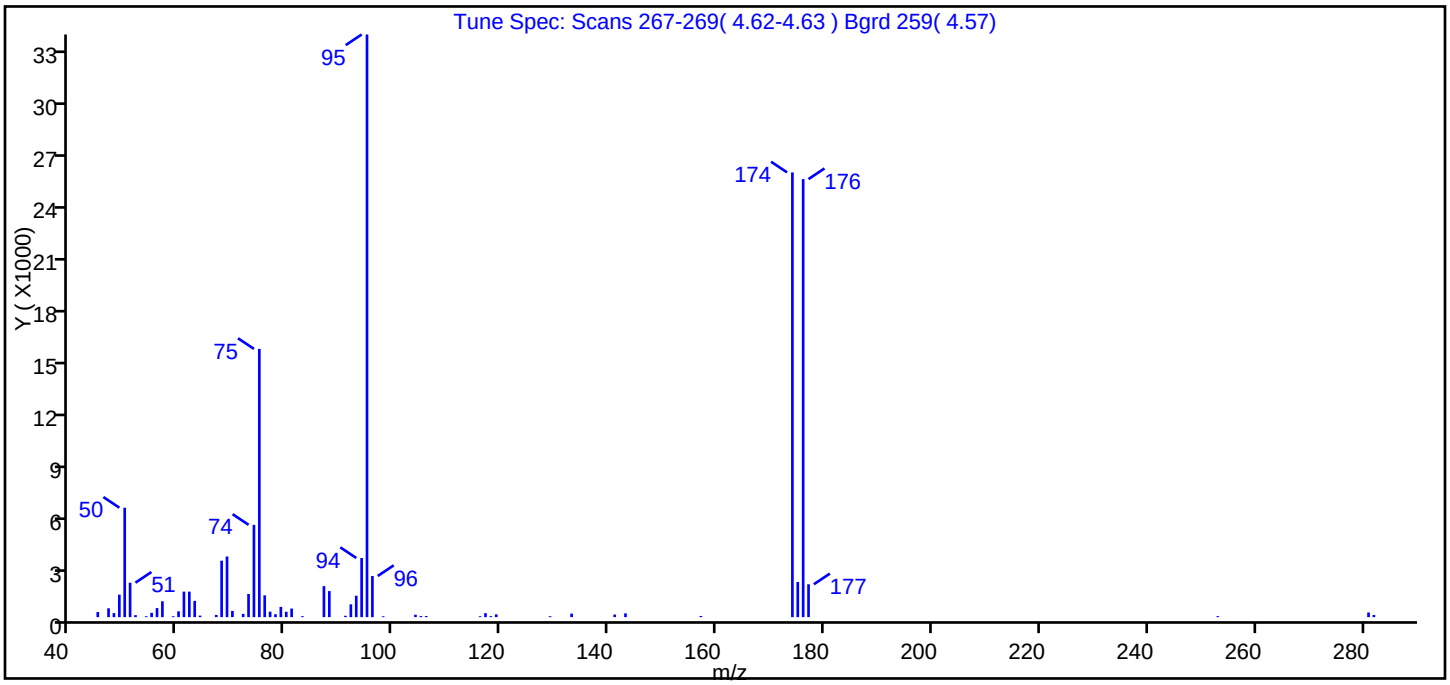
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8103.D
Injection Date: 05-Mar-2014 06:34:30 Instrument ID: VMS_G2
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: ILCZYSZYND ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSG2_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.80
75	30.00 - 60.00% of mass 95	46.00
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	76.30
175	5.00 - 9.00% of mass 174	6.00 (7.90)
176	95.00 - 101.00% of mass 174	75.20 (98.50)
177	5.00 - 9.00% of mass 176	5.60 (7.50)

Data File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8103.D\AQ_VMSG2_8260.rslt\spectra.d
Injection Date: 05-Mar-2014 06:34:30
Spectrum: Tune Spec: Scans 267-269(4.62-4.63) Bgrd 259(4.57)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	291	63.00	930	81.00	492	117.00	227
47.00	507	64.00	87	83.00	55	118.00	56
48.00	232	67.00	127	87.00	1773	119.00	161
49.00	1285	68.00	3229	88.00	1490	129.00	53
50.00	6259	69.00	3469	91.00	79	133.00	203
51.00	1971	70.00	357	92.00	735	141.00	149
52.00	114	72.00	186	93.00	1225	143.00	215
54.00	51	73.00	1325	94.00	3383	157.00	68
55.00	246	74.00	5280	95.00	33328	174.00	25440
56.00	519	75.00	15342	96.00	2353	175.00	2011
57.00	907	76.00	1247	98.00	50	176.00	25056
59.00	51	77.00	314	104.00	138	177.00	1881
60.00	332	78.00	166	105.00	60	253.00	57
61.00	1458	79.00	587	106.00	64	281.00	267
62.00	1459	80.00	309	116.00	50	282.00	124

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140306-20706.b\G2_8145.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 06-Mar-2014 06:59:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: bfb
Operator ID: ILCZYSZYND Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140306-20706.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 06-Mar-2014 09:25:57 Calib Date: 05-Mar-2014 14:30:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140305-20661.b\G2_8121.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK052

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.643	4.643	0.0	80	36798	NR	7

QC Flag Legend

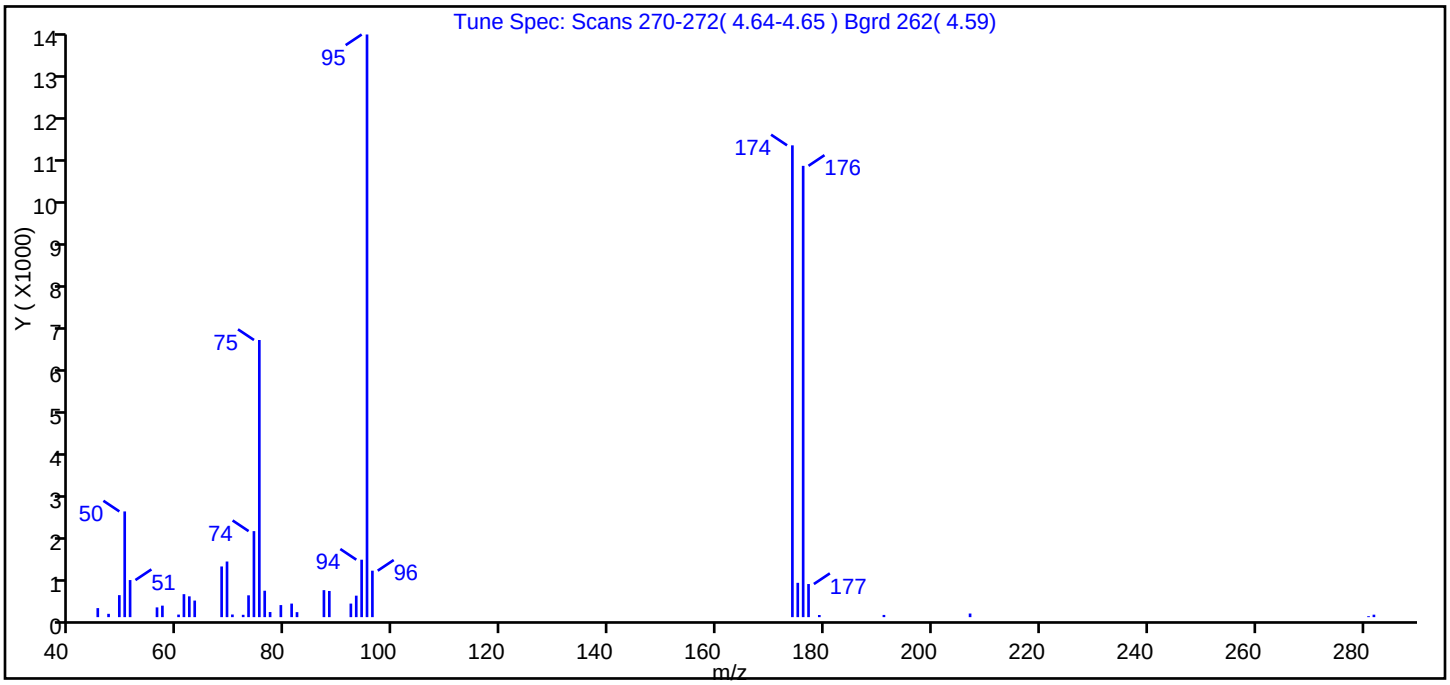
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140306-20706.b\G2_8145.D
Injection Date: 06-Mar-2014 06:59:30 Instrument ID: VMS_G2
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: ILCZYSZYND ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSG2_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	18.10
75	30.00 - 60.00% of mass 95	47.60
96	5.00 - 9.00% of mass 95	8.00
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	81.00
175	5.00 - 9.00% of mass 174	5.90 (7.30)
176	95.00 - 101.00% of mass 174	77.50 (95.70)
177	5.00 - 9.00% of mass 176	5.70 (7.30)

Data File: \\Denchrom\ChromData\VMS_G2\20140306-20706.b\G2_8145.D\AQ_VMSG2_8260.rslt\spectra.d
Injection Date: 06-Mar-2014 06:59:30
Spectrum: Tune Spec: Scans 270-272(4.64-4.65) Bgrd 262(4.59)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 39

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	212	63.00	389	79.00	283	174.00	11069
47.00	78	68.00	1189	81.00	318	175.00	805
49.00	516	69.00	1305	82.00	117	176.00	10588
50.00	2480	70.00	62	87.00	633	177.00	777
51.00	870	72.00	55	88.00	614	179.00	50
56.00	229	73.00	512	92.00	318	191.00	52
57.00	270	74.00	2018	93.00	504	207.00	85
60.00	60	75.00	6502	94.00	1348	281.00	22
61.00	539	76.00	620	95.00	13670	282.00	58
62.00	488	77.00	120	96.00	1090		

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8360.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 12-Mar-2014 07:09:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: ILCZYSZYND Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 12-Mar-2014 13:10:18 Calib Date: 12-Mar-2014 11:56:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8374.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK031

First Level Reviewer: ilczyszynd Date: 12-Mar-2014 13:10:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.625	4.625	0.0	82	57761	NR	7

QC Flag Legend

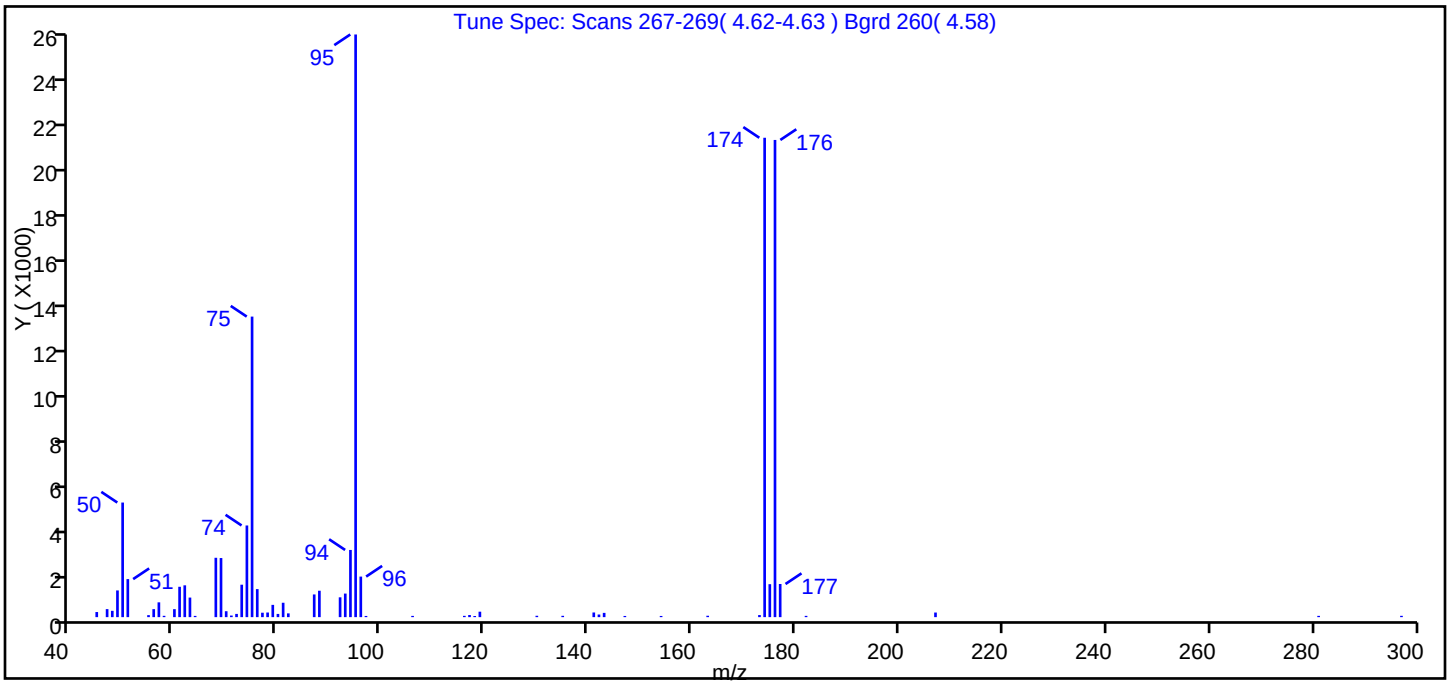
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8360.D
Injection Date: 12-Mar-2014 07:09:30 Instrument ID: VMS_G2
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: ILCZYSZYND ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSG2_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	19.70
75	30.00 - 60.00% of mass 95	51.60
96	5.00 - 9.00% of mass 95	7.00
173	Less than 2.00% of mass 174	0.40 (0.40)
174	50.00 - 120.00% of mass 95	82.30
175	5.00 - 9.00% of mass 174	5.70 (6.90)
176	95.00 - 101.00% of mass 174	81.90 (99.50)
177	5.00 - 9.00% of mass 176	5.70 (6.90)

Data File: \\Denchrom\ChromData\VMS_G2\20140312-20885.b\G2_8360.D\AQ_VMSG2_8260.rslt\spectra.d
Injection Date: 12-Mar-2014 07:09:30
Spectrum: Tune Spec: Scans 267-269(4.62-4.63) Bgrd 260(4.58)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 60

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	224	68.00	2602	87.00	995	141.00	204
47.00	352	69.00	2591	88.00	1158	142.00	115
48.00	277	70.00	260	92.00	869	143.00	187
49.00	1171	71.00	70	93.00	1033	147.00	52
50.00	5024	72.00	142	94.00	2946	154.00	52
51.00	1668	73.00	1422	95.00	25544	163.00	61
55.00	88	74.00	4019	96.00	1778	173.00	91
56.00	351	75.00	13176	97.00	52	174.00	21016
57.00	649	76.00	1229	106.00	55	175.00	1445
58.00	58	77.00	194	116.00	57	176.00	20920
60.00	350	78.00	203	117.00	93	177.00	1453
61.00	1331	79.00	538	118.00	50	182.00	56
62.00	1395	80.00	141	119.00	239	207.00	202
63.00	858	81.00	631	130.00	60	281.00	56
64.00	55	82.00	165	135.00	58	297.00	58

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8470.D
Lims ID: BFB Lab Sample ID:
Client ID:
Sample Type: BFB
Inject. Date: 14-Mar-2014 06:45:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: ilczyszynd Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 14-Mar-2014 12:19:31 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK013

First Level Reviewer: ilczyszynd Date: 14-Mar-2014 12:19:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	4.625	4.625	0.0	85	372983	NR	7

QC Flag Legend

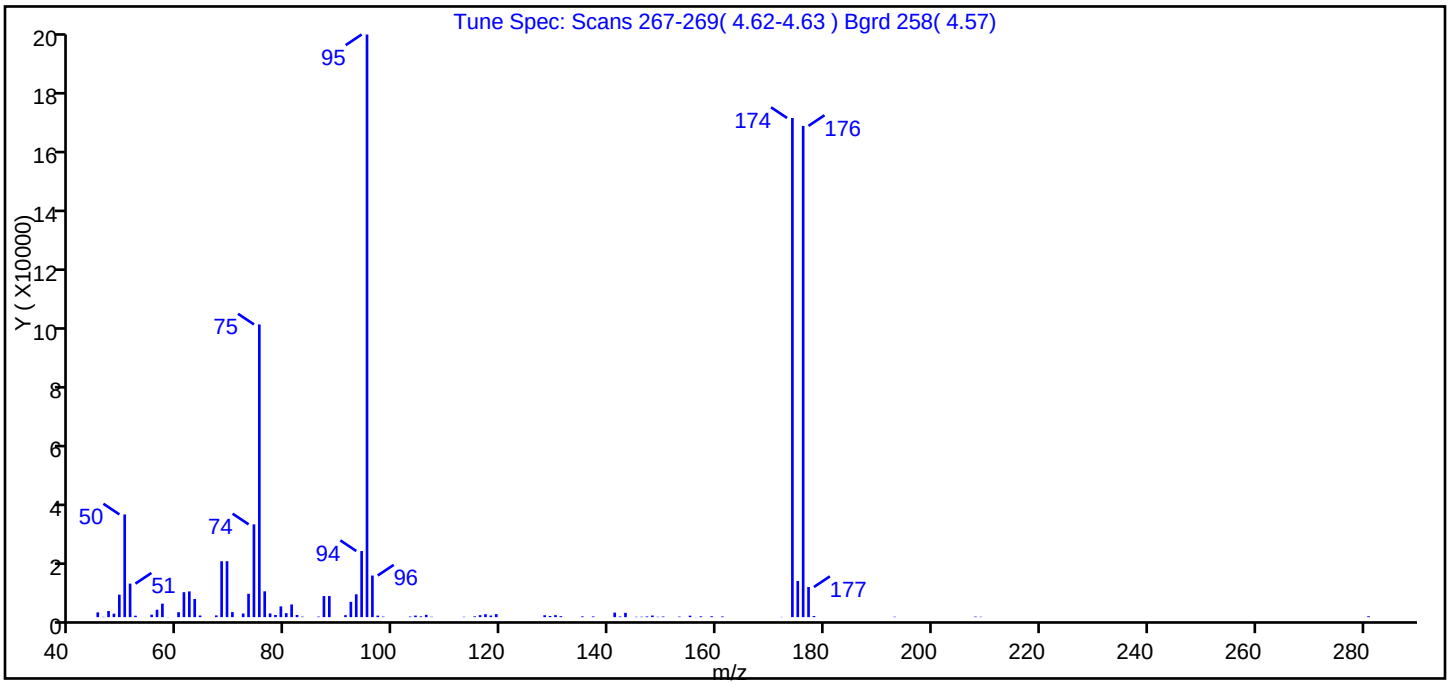
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8470.D
Injection Date: 14-Mar-2014 06:45:30 Instrument ID: VMS_G2
Lims ID: BFB Lab Sample ID:
Client ID:
Operator ID: ilczyszynd ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSG2_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	17.60
75	30.00 - 60.00% of mass 95	50.20
96	5.00 - 9.00% of mass 95	7.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	85.70
175	5.00 - 9.00% of mass 174	6.20 (7.20)
176	95.00 - 101.00% of mass 174	84.30 (98.40)
177	5.00 - 9.00% of mass 176	5.20 (6.10)

Data File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8470.D\AQ_VMSG2_8260.rslt\spectra.d
Injection Date: 14-Mar-2014 06:45:30
Spectrum: Tune Spec: Scans 267-269(4.62-4.63) Bgrd 258(4.57)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 86

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	1584	73.00	7734	103.00	193	147.00	240
46.00	103	74.00	30720	104.00	523	148.00	536
47.00	2026	75.00	96904	105.00	255	149.00	120
48.00	1151	76.00	8553	106.00	761	150.00	212
49.00	7435	77.00	1228	107.00	124	153.00	179
50.00	34008	78.00	722	113.00	119	155.00	487
51.00	11097	79.00	3567	115.00	258	156.00	54
52.00	477	80.00	1320	116.00	658	157.00	269
55.00	816	81.00	4205	117.00	964	159.00	290
56.00	2457	82.00	719	118.00	534	161.00	220
57.00	4463	83.00	168	119.00	1001	172.00	77
58.00	50	86.00	180	128.00	628	174.00	165248
60.00	1632	87.00	6980	129.00	377	175.00	11958
61.00	8259	88.00	6987	130.00	664	176.00	162624
62.00	8523	91.00	654	131.00	318	177.00	9968
63.00	6010	92.00	5071	135.00	257	178.00	366
64.00	542	93.00	7557	137.00	235	193.00	142
67.00	578	94.00	21888	141.00	1491	208.00	179
68.00	18512	95.00	192896	142.00	219	209.00	122
69.00	18520	96.00	13780	143.00	1425	281.00	294
70.00	1667	97.00	507	145.00	123		
72.00	1199	98.00	175	146.00	135		

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0014.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 25-Apr-2014 17:24:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: DUKESA Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:05:20 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 4 BFB	95	4.597	4.597	0.000	83	377073	NR	NR	7

QC Flag Legend

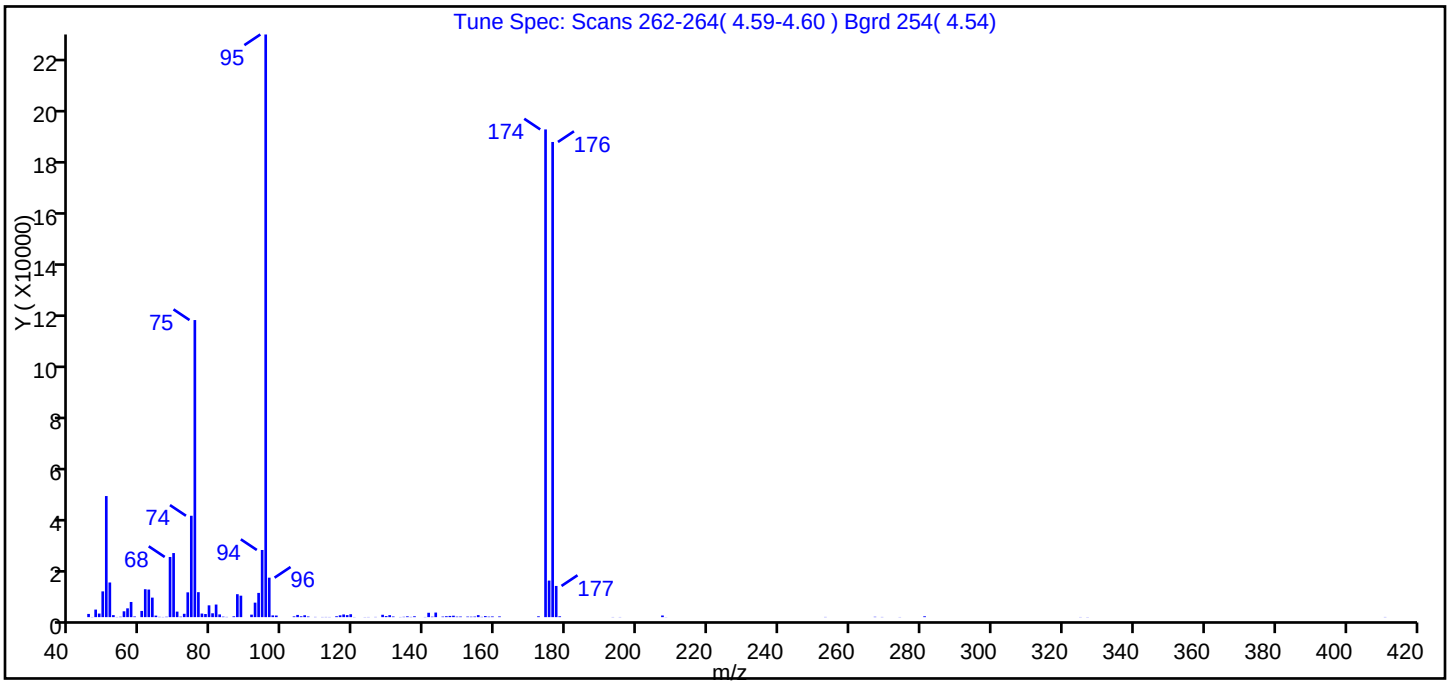
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0014.D
Injection Date: 25-Apr-2014 17:24:30 Instrument ID: VMS_G2
Lims ID: BFB
Client ID:
Operator ID: DUKESA ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Method: AQ_VMSG2_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.80
75	30.00 - 60.00% of mass 95	51.00
96	5.00 - 9.00% of mass 95	6.80
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	83.70
175	5.00 - 9.00% of mass 174	6.30 (7.50)
176	95.00 - 101.00% of mass 174	81.60 (97.40)
177	5.00 - 9.00% of mass 176	5.40 (6.60)

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0014.D\AQ_VMSG2_8260.rslt\spectra.d
Injection Date: 25-Apr-2014 17:24:30
Spectrum: Tune Spec: Scans 262-264(4.59-4.60) Bgrd 254(4.54)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 114

m/z	Y	m/z	Y	m/z	Y	m/z	Y
45.00	1231	75.00	113560	113.00	70	152.00	213
46.00	61	76.00	9547	115.00	337	153.00	165
47.00	2891	77.00	1369	116.00	697	154.00	215
48.00	1365	78.00	1191	117.00	1026	155.00	770
49.00	9853	79.00	4514	118.00	773	156.00	101
50.00	46288	80.00	1474	119.00	1110	157.00	401
51.00	13247	81.00	4817	120.00	62	158.00	187
52.00	767	82.00	1048	123.00	57	159.00	261
53.00	72	83.00	195	124.00	69	161.00	271
54.00	148	84.00	87	126.00	88	172.00	315
55.00	2236	86.00	310	128.00	908	174.00	186432
56.00	3367	87.00	8772	129.00	399	175.00	13979
57.00	5799	88.00	8205	130.00	760	176.00	181632
58.00	255	91.00	954	131.00	249	177.00	11928
60.00	2373	92.00	5541	133.00	67	178.00	314
61.00	10672	93.00	9267	134.00	128	193.00	61
62.00	10543	94.00	25672	135.00	310	195.00	62
63.00	7462	95.00	222720	136.00	92	207.00	628
64.00	585	96.00	15088	137.00	333	208.00	37
65.00	107	97.00	668	140.00	67	253.00	80
66.00	68	98.00	619	141.00	1671	267.00	137
67.00	144	103.00	284	142.00	174	269.00	76
68.00	23000	104.00	845	143.00	1752	274.00	60
69.00	24496	105.00	317	145.00	212	281.00	321
70.00	2113	106.00	716	146.00	350	325.00	62
71.00	178	107.00	248	147.00	466	327.00	54
72.00	1277	109.00	90	148.00	552	411.00	70
73.00	9481	111.00	71	149.00	196		
74.00	38752	112.00	79	150.00	230		

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1274.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 16-Apr-2014 18:45:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140416-22172.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 16:19:52 Calib Date: 17-Apr-2014 01:19:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1292.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK016

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 4 BFB	95	5.030	5.030	0.000	0	87501	NR	NR	7

QC Flag Legend

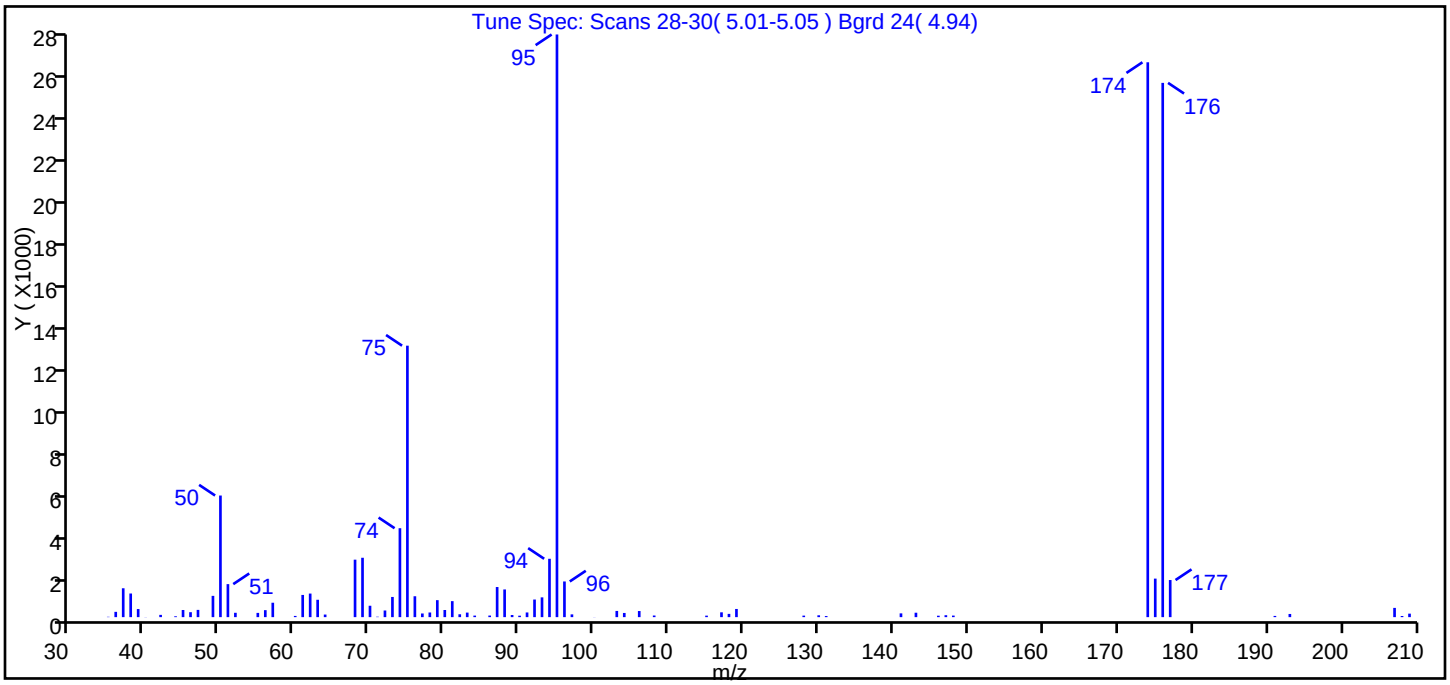
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1274.D
Injection Date: 16-Apr-2014 18:45:30 Instrument ID: VMS_J
Lims ID: BFB
Client ID:
Operator ID: DUKESA ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.90
75	30.00 - 60.00% of mass 95	46.60
96	5.00 - 9.00% of mass 95	6.10
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	95.20
175	5.00 - 9.00% of mass 174	6.60 (6.90)
176	95.00 - 101.00% of mass 174	91.70 (96.30)
177	5.00 - 9.00% of mass 176	6.40 (6.90)

Data File: \\Denchrom\ChromData\VMS_J\20140416-22172.b\J1274.D\SO_VMSJ_8260.rslt\spectra.d
Injection Date: 16-Apr-2014 18:45:30
Spectrum: Tune Spec: Scans 28-30(5.01-5.05) Bgrd 24(4.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 78

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	16	62.00	1099	86.00	74	119.00	381
36.00	247	63.00	810	87.00	1404	128.00	71
37.00	1346	64.00	121	88.00	1291	130.00	86
38.00	1102	68.00	2679	89.00	99	131.00	51
39.00	377	69.00	2768	90.00	68	141.00	176
40.00	6	70.00	531	91.00	218	143.00	206
42.00	106	71.00	20	92.00	821	146.00	67
44.00	40	72.00	310	93.00	922	147.00	90
45.00	333	73.00	941	94.00	2720	148.00	73
46.00	231	74.00	4145	95.00	27160	174.00	25864
47.00	338	75.00	12654	96.00	1663	175.00	1796
49.00	992	76.00	974	97.00	129	176.00	24904
50.00	5669	77.00	171	100.00	5	177.00	1730
51.00	1539	78.00	217	103.00	289	191.00	57
52.00	203	79.00	792	104.00	195	193.00	148
55.00	198	80.00	333	106.00	285	207.00	431
56.00	326	81.00	746	108.00	76	208.00	53
57.00	672	82.00	134	115.00	70	209.00	163
60.00	57	83.00	212	117.00	225		
61.00	1035	84.00	72	118.00	152		

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1298.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 17-Apr-2014 16:10:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140417-22215.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 17-Apr-2014 22:34:00 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK040

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 4 BFB	95	5.016	5.016	0.000	77	120209	NR	NR	7

QC Flag Legend

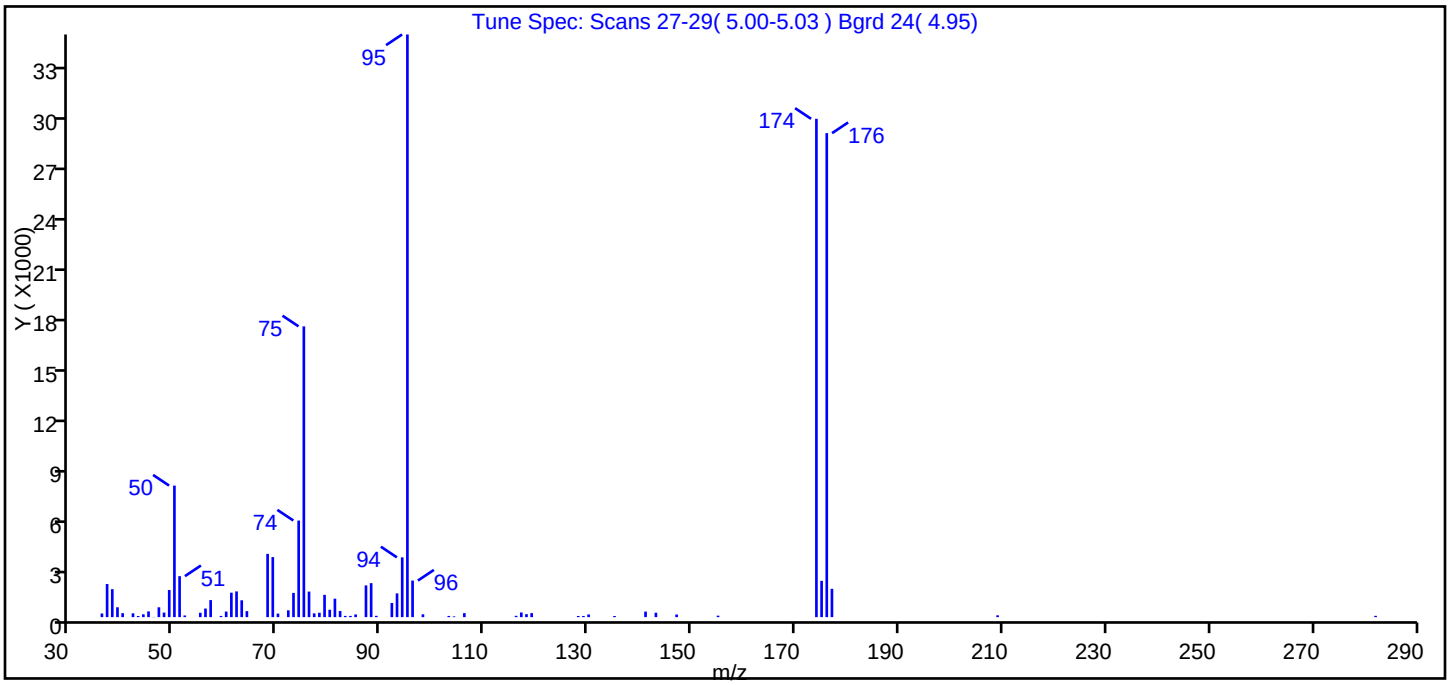
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1298.D
Injection Date: 17-Apr-2014 16:10:30 Instrument ID: VMS_J
Lims ID: BFB
Client ID:
Operator ID: DUKESA ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	22.60
75	30.00 - 60.00% of mass 95	49.90
96	5.00 - 9.00% of mass 95	6.30
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	85.50
175	5.00 - 9.00% of mass 174	6.20 (7.30)
176	95.00 - 101.00% of mass 174	83.10 (97.10)
177	5.00 - 9.00% of mass 176	4.90 (5.80)

Data File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1298.D\SO_VMSJ_8260.rslt\spectra.d
Injection Date: 17-Apr-2014 16:10:30
Spectrum: Tune Spec: Scans 27-29(5.00-5.03) Bgrd 24(4.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 72

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	215	57.00	1002	80.00	434	116.00	78
37.00	1945	59.00	72	81.00	1084	117.00	275
38.00	1643	60.00	328	82.00	359	118.00	175
39.00	579	61.00	1436	83.00	73	119.00	237
40.00	233	62.00	1510	84.00	72	128.00	68
42.00	225	63.00	990	85.00	158	129.00	69
43.00	64	64.00	354	87.00	1864	130.00	157
44.00	167	68.00	3714	88.00	1995	135.00	67
45.00	338	69.00	3525	89.00	78	141.00	327
46.00	11	70.00	209	92.00	831	143.00	260
47.00	578	72.00	400	93.00	1395	147.00	155
48.00	267	73.00	1424	94.00	3510	155.00	87
49.00	1594	74.00	5672	95.00	34208	174.00	29256
50.00	7723	75.00	17072	96.00	2147	175.00	2132
51.00	2406	76.00	1500	98.00	167	176.00	28416
52.00	99	77.00	221	103.00	71	177.00	1662
55.00	256	78.00	257	104.00	43	209.00	107
56.00	506	79.00	1309	106.00	235	282.00	77

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1372.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 21-Apr-2014 16:05:30 ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: BFB
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:34:15 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 4 BFB	95	5.017	5.017	0.000	0	109469	NR	NR	7

QC Flag Legend

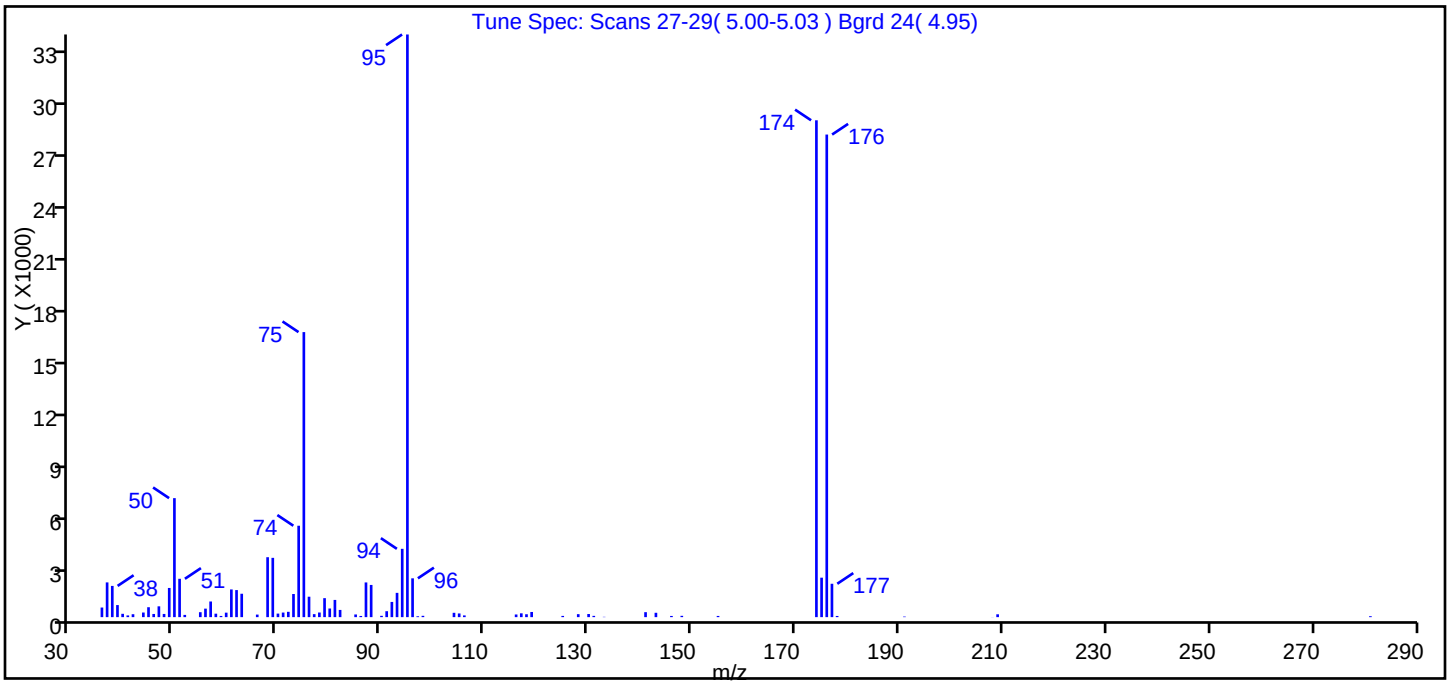
Processing Flags
7 - Failed Limit of Detection

MS Tune Report

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1372.D
Injection Date: 21-Apr-2014 16:05:30 Instrument ID: VMS_J
Lims ID: BFB
Client ID:
Operator ID: DUKESA ALS Bottle#: 100 Worklist Smp#: 1
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Tune Method: BFB Method 8260

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	20.40
75	30.00 - 60.00% of mass 95	48.90
96	5.00 - 9.00% of mass 95	6.70
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	85.30
175	5.00 - 9.00% of mass 174	6.80 (7.90)
176	95.00 - 101.00% of mass 174	82.80 (97.10)
177	5.00 - 9.00% of mass 176	5.70 (6.90)

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1372.D\SO_VMSJ_8260.rslt\spectra.d
Injection Date: 21-Apr-2014 16:05:30
Spectrum: Tune Spec: Scans 27-29(5.00-5.03) Bgrd 24(4.95)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 80

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	545	59.00	68	82.00	409	119.00	293
37.00	1969	60.00	254	85.00	152	125.00	70
38.00	1770	61.00	1570	86.00	67	128.00	169
39.00	684	62.00	1534	87.00	1967	130.00	177
40.00	189	63.00	1326	88.00	1825	131.00	72
41.00	97	66.00	145	90.00	75	133.00	17
42.00	166	68.00	3397	91.00	337	141.00	282
44.00	262	69.00	3361	92.00	862	143.00	247
45.00	562	70.00	201	93.00	1376	146.00	68
46.00	180	71.00	260	94.00	3872	148.00	75
47.00	613	72.00	302	95.00	33024	155.00	68
48.00	181	73.00	1311	96.00	2200	174.00	28160
49.00	1654	74.00	5181	97.00	49	175.00	2237
50.00	6745	75.00	16155	98.00	75	176.00	27352
51.00	2174	76.00	1158	104.00	246	177.00	1892
52.00	127	77.00	170	105.00	209	178.00	67
55.00	280	78.00	262	106.00	98	191.00	31
56.00	482	79.00	1076	116.00	151	208.00	5
57.00	887	80.00	490	117.00	217	209.00	161
58.00	196	81.00	976	118.00	164	281.00	52

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-222190/1-A

Matrix: Solid | Lab File ID: J1378.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/21/2014 18:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.52
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	5.0	1.0	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	20	0.45
79-00-5	1,1,2-Trichloroethane	1.0	U	5.0	1.0	0.88
75-34-3	1,1-Dichloroethane	0.80	U	5.0	0.80	0.21
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.59
563-58-6	1,1-Dichloropropene	1.0	U	5.0	1.0	0.54
87-61-6	1,2,3-Trichlorobenzene	1.0	U	5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	1.0	U	5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.73
95-63-6	1,2,4-Trimethylbenzene	1.0	U	5.0	1.0	0.58
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	10	1.0	0.60
95-50-1	1,2-Dichlorobenzene	1.0	U	5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	1.0	U	5.0	1.0	0.70
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.55
108-67-8	1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.57
541-73-1	1,3-Dichlorobenzene	1.0	U	5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	1.0	U	5.0	1.0	0.51
106-46-7	1,4-Dichlorobenzene	1.0	U	5.0	1.0	0.78
123-91-1	1,4-Dioxane	80	U	500	80	56
544-10-5	1-Chlorohexane	0.80	U	5.0	0.80	0.63
594-20-7	2,2-Dichloropropane	1.0	U	5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	6.4	U	20	6.4	1.8
95-49-8	2-Chlorotoluene	1.0	U	5.0	1.0	0.51
591-78-6	2-Hexanone	10	U	20	10	4.9
106-43-4	4-Chlorotoluene	1.0	U	5.0	1.0	0.78
99-87-6	4-Isopropyltoluene	1.0	U	5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	20	10	4.4
67-64-1	Acetone	10	U	20	10	5.4
71-43-2	Benzene	1.0	U	5.0	1.0	0.47
108-86-1	Bromobenzene	1.0	U	5.0	1.0	0.49
75-25-2	Bromoform	0.80	U	5.0	0.80	0.23
74-83-9	Bromomethane	1.0	U	10	1.0	0.50
75-15-0	Carbon disulfide	0.499	J	5.0	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-222190/1-A

Matrix: Solid | Lab File ID: J1378.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/21/2014 18:14

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	1.0	U	5.0	1.0	0.63
108-90-7	Chlorobenzene	1.0	U	5.0	1.0	0.54
74-97-5	Chlorobromomethane	1.0	U	5.0	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	5.0	1.0	0.57
75-00-3	Chloroethane	1.0	U	10	1.0	0.89
67-66-3	Chloroform	1.0	U	10	1.0	0.29
74-87-3	Chloromethane	1.0	U	10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	1.0	U	5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	2.0	U	5.0	2.0	1.3
110-82-7	Cyclohexane	1.6	U	5.0	1.6	0.40
74-95-3	Dibromomethane	1.0	U	5.0	1.0	0.84
75-27-4	Dichlorobromomethane	0.80	U	5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	10	1.0	0.52
100-41-4	Ethylbenzene	1.0	U	5.0	1.0	0.67
106-93-4	Ethylene Dibromide	1.0	U	5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	1.0	U	5.0	1.0	0.55
98-82-8	Isopropylbenzene	1.0	U	5.0	1.0	0.59
79-20-9	Methyl acetate	4.0	U	8.5	4.0	2.8
1634-04-4	Methyl tert-butyl ether	1.0	U	20	1.0	0.34
108-87-2	Methylcyclohexane	0.80	U	5.0	0.80	0.42
75-09-2	Methylene Chloride	3.2	U	5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	2.0	U	3.2	2.0	1.0
91-20-3	Naphthalene	0.761	J	5.0	1.0	0.63
104-51-8	n-Butylbenzene	1.0	U	5.0	1.0	0.56
103-65-1	N-Propylbenzene	1.0	U	5.0	1.0	0.58
95-47-6	o-Xylene	1.0	U	5.0	1.0	0.61
135-98-8	sec-Butylbenzene	1.0	U	5.0	1.0	0.77
100-42-5	Styrene	1.0	U	5.0	1.0	0.63
98-06-6	tert-Butylbenzene	1.0	U	5.0	1.0	0.50
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.59
108-88-3	Toluene	1.0	U	5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	1.0	U	5.0	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.67
79-01-6	Trichloroethene	0.80	U	5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	2.0	U	10	2.0	1.0
75-01-4	Vinyl chloride	2.0	U	5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-222190/1-A

Matrix: Solid Lab File ID: J1378.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/21/2014 18:14

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222203 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-129
460-00-4	4-Bromofluorobenzene (Surr)	99		85-120
1868-53-7	Dibromofluoromethane (Surr)	95		71-126
2037-26-5	Toluene-d8 (Surr)	103		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1378.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 21-Apr-2014 18:14:30 ALS Bottle#: 15 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:33:43 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96		1.051						
* 150 TBA-d9 (IS)	65	5.958	5.944	0.014	75	851903	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.067	-0.004	98	1984087	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.778	10.764	0.014	82	479235	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.904	0.014	92	729456	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.472	7.471	0.001	63	570289	50.0	47.3	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.785	7.784	0.001	96	491371	50.0	45.5	
$ 7 Toluene-d8 (Surr)	98	9.438	9.437	0.001	84	1856484	50.0	51.5	
$ 8 4-Bromofluorobenzene (Surr	95	11.787	11.786	0.001	92	660085	50.0	49.4	
$ 151 a,a,a-Trifluorotoluene	1		0.000						
$ 4 BFB	95	4.549	5.017	-0.468	0	1361		NR	7
24 Chlorotrifluoroethene	116		4.084						
25 Dichlorodifluoromethane	85		4.152						
26 1,2-Dichloro-1,1,2,2-tetra	85		4.310						
27 Chloromethane	50		4.358						
28 Vinyl chloride	62		4.532						
147 Butadiene	54	4.531	4.532	-0.001	1	734		0.0920	
29 2-Chloro-1,1,1-Trifluoroet	118		4.554						
30 Ethylene oxide	43		4.826						
31 Bromomethane	94		4.897						
32 Chloroethane	64		4.967						
33 Dichlorofluoromethane	67		5.141						
35 Ethanol	45	5.245	5.244	0.001	42	1454		17.3	
34 Trichlorofluoromethane	101		5.263						
36 1,2-Dichloro-1,1,2-trifluo	117		5.389						
37 Ethyl ether	59	5.401	5.405	-0.004	82	6343		0.6023	
38 1,1,1-Trifluoro-2,2-dichlo	83		5.424						
39 Propene oxide	58		5.505						
40 Acrolein	56		5.544						
41 Acetone	43		5.663						
42 1,1,2-Trichloro-1,2,2-trif	151		5.666						
44 Isopropyl alcohol	45		5.679						
45 1,1-Dichloroethene	96		5.700						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Iodomethane	142		5.892						
47 Acetonitrile	41		5.905						
48 Methyl acetate	43		5.909						
49 3-Chloro-1-propene	41	5.923	5.961	-0.038	1	11537		0.5026	
51 Carbon disulfide	76	5.993	5.979	0.014	90	24305		0.4985	
50 2-Methyl-2-propanol	59		6.014						
52 Methylene Chloride	84		6.066						
53 Acrylonitrile	53		6.222						
54 Methyl tert-butyl ether	73		6.257						
55 trans-1,2-Dichloroethene	96		6.292						
56 Hexane	57		6.466						
57 Vinyl acetate	43		6.570						
58 Isopropyl ether	87		6.584						
59 1,1-Dichloroethane	63		6.640						
60 2-Chloro-1,3-butadiene	53		6.723						
61 Tert-butyl ethyl ether	59		6.897						
62 Ethyl acetate	43	7.037	7.036	0.001	93	13480		2.10	
63 2-Butanone (MEK)	43		7.055						
64 sec-Butyl Alcohol	45		7.092						
66 Propionitrile	54		7.106						
65 cis-1,2-Dichloroethene	96		7.110						
67 2,2-Dichloropropane	77		7.145						
68 Methacrylonitrile	41		7.245						
69 Chlorobromomethane	128		7.319						
70 Chloroform	83		7.336						
71 Tetrahydrofuran	42		7.353						
73 1,1,1-Trichloroethane	97		7.562						
72 Isobutyl alcohol	41		7.632						
74 Cyclohexane	56		7.649						
75 1,1-Dichloropropene	75		7.667						
76 Carbon tetrachloride	117		7.719						
78 Tert-amyl methyl ether	73		7.854						
77 1,2-Dichloroethane	62		7.858						
79 Benzene	78		7.875						
14 n-Heptane	43		7.945						
80 n-Butanol	56	8.063	8.080	-0.017	16	17512		33.4	
148 Ethyl acrylate	55	8.290	8.306	-0.016	0	423		0.0345	
81 Trichloroethene	130		8.380						
82 2-Pentanone	43	8.429	8.415	0.014	66	6821		0.8633	
83 Methyl methacrylate	100		8.532						
85 Methylcyclohexane	55		8.589						
84 1,2-Dichloropropane	63		8.589						
86 1,4-Dioxane	88		8.641						
87 Dibromomethane	93		8.711						
88 Dichlorobromomethane	83		8.780						
90 2-Nitropropane	41		8.950						
89 2-Chloroethyl vinyl ether	63		8.954						
91 cis-1,3-Dichloropropene	75		9.163						
92 4-Methyl-2-pentanone (MIBK	43		9.230						
93 Toluene	91		9.494						
94 Ethyl methacrylate	69		9.598						
95 trans-1,3-Dichloropropene	75		9.615						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 1,1,2-Trichloroethane	97		9.824						
97 2-Hexanone	43	9.977	9.978	-0.001	95	68949		1.58	
98 1,3-Dichloropropane	76		9.998						
144 n-Butyl acetate	43	10.030	10.029	0.001	88	24241		-2.68	
99 Tetrachloroethene	164		10.033						
100 Chlorodibromomethane	129		10.242						
101 Tetrahydrothiophene	60		10.290						
102 Ethylene Dibromide	107		10.398						
103 1-Chlorohexane	91		10.659						
104 Chlorobenzene	112		10.799						
105 Ethylbenzene	106		10.833						
106 1,1,1,2-Tetrachloroethane	131		10.833						
107 m-Xylene & p-Xylene	91		10.920						
108 Styrene	104		11.303						
109 o-Xylene	106		11.303						
110 Bromoform	173		11.529						
111 Isopropylbenzene	105		11.599						
112 cis-1,4-Dichloro-2-butene	53		11.647						
113 Cyclohexanone	55	11.752	11.753	-0.001	92	26771		106.9	
114 1,1,2,2-Tetrachloroethane	83		11.842						
115 trans-1,4-Dichloro-2-buten	53		11.895						
116 1,2,3-Trichloropropane	110		11.929						
117 N-Propylbenzene	120		11.982						
118 Bromobenzene	156		11.982						
119 1,3,5-Trimethylbenzene	105		12.121						
120 2-Chlorotoluene	126		12.121						
121 4-Chlorotoluene	126		12.208						
122 tert-Butylbenzene	119		12.469						
123 1,2,4-Trimethylbenzene	105		12.504						
124 sec-Butylbenzene	134		12.678						
125 4-Isopropyltoluene	119		12.782						
126 1,3-Dichlorobenzene	146		12.852						
127 1,2,3-Trimethylbenzene	105		12.935						
128 1,4-Dichlorobenzene	146		12.939						
146 Benzyl chloride	126		13.039						
129 n-Butylbenzene	91		13.200						
130 1,2-Dichlorobenzene	146		13.339						
131 1,2-Dibromo-3-Chloropropan	157		14.191						
16 1,3,5-Trichlorobenzene	180		14.448						
132 1,2,4-Trichlorobenzene	180		15.253						
133 Hexachlorobutadiene	225		15.427						
134 Naphthalene	128	15.650	15.653	-0.003	90	23044		0.7613	
135 1,2,3-Trichlorobenzene	180	16.015	16.018	-0.003	70	8592		0.6711	
18 3,3-Dimethylpentane	1		0.000						
21 2-Butoxyethanol TIC	1		0.000						
13 2,2-Dimethylpentane	1		0.000						
15 Dimethyl disulfide	1		0.000						
11 2,3-Dimethylpentane	1		0.000						
10 n-Nonyl Aldehyde	1		0.000						
12 2,2,3-Trimethylbutane	1		0.000						
143 Pentachloroethane	167		0.000						
9 2,4-Dimethylpentane	1		0.000						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
19 3-Methylhexane	1		0.000						
20 2-Methylhexane	1		0.000						
17 3-Ethylpentane	1		0.000						
22 2,3-dichloro-1-propene TIC	75		1.000						
23 Dichloroacetonitrile TIC	74		1.000						
145 2-Methylnaphthalene	142		5.393						
43 Propene oxide TIC	58		5.526						
S 142 1,2-Dichloroethene, Total	96		2.000						
S 136 Trihalomethanes, Total	1		0.000						
S 137 Xylenes, Total (URS)	1		0.000						
S 138 Total BTEX	1		0.000						
S 139 1,3-Dichloropropene, Total	1		0.000						
S 140 1,2-Dichloroethene, Total	1		0.000						
S 141 Xylenes, Total	106		0.000						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

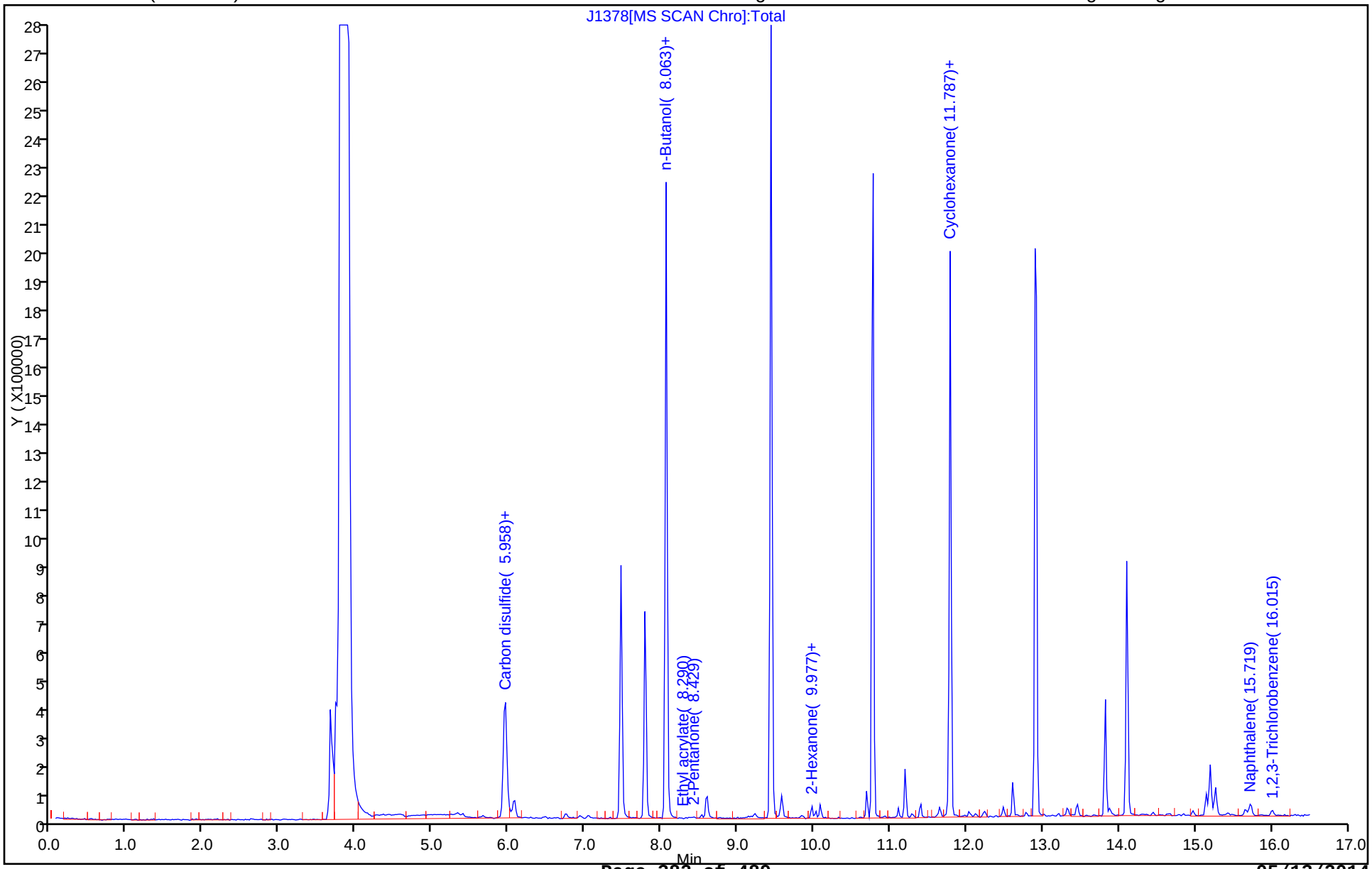
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1378.D

Injection Date:	21-Apr-2014 18:14:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	MB			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	15
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Report Date: 22-Apr-2014 16:34:09 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1378.D

Injection Date: 21-Apr-2014 18:14:30 Instrument ID: VMS_J

Lims ID: MB

Client ID:

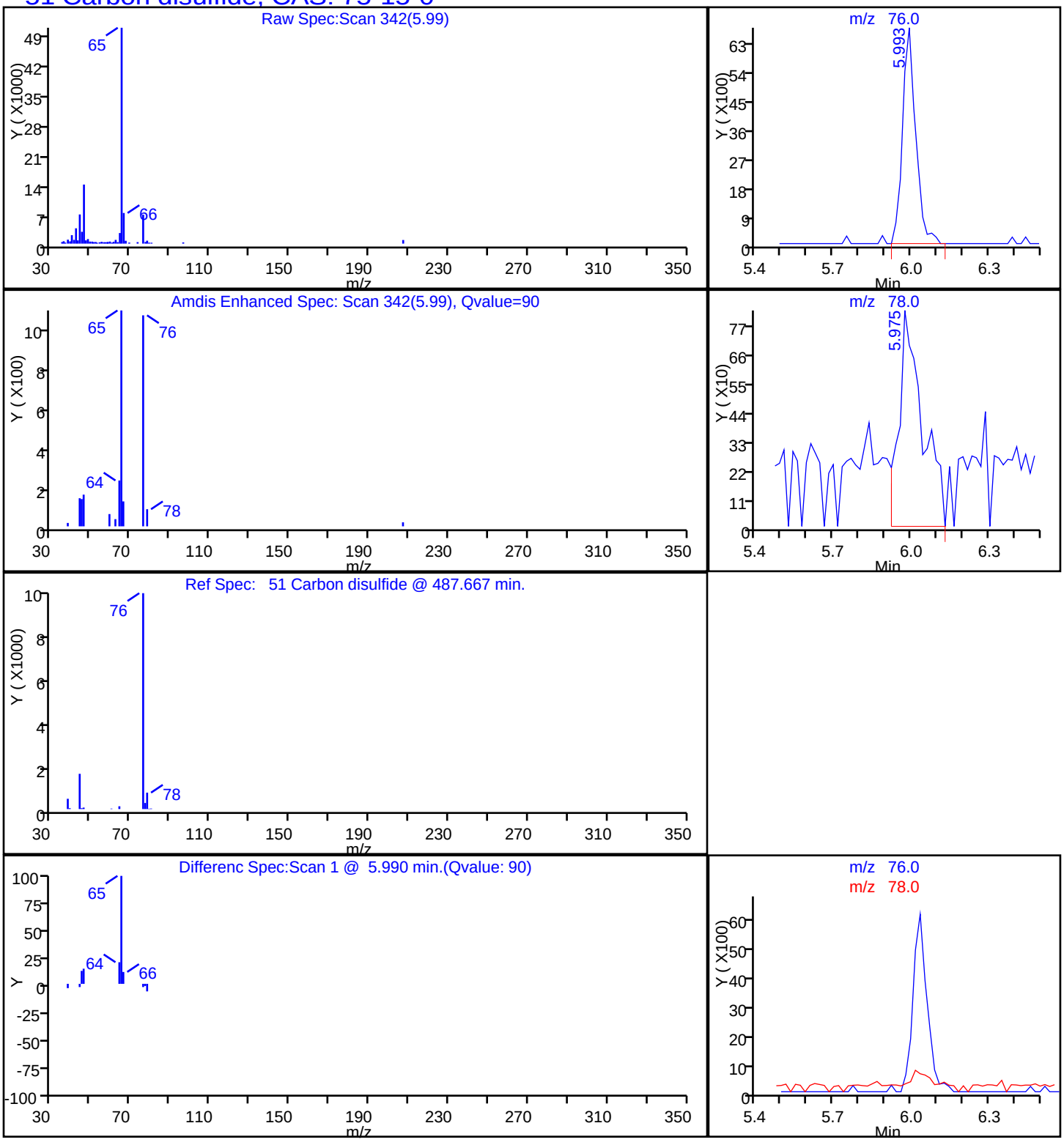
Operator ID: DUKESA ALS Bottle#: 15 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid

Column: DB-624 (0.25 mm) Detector MS SCAN

51 Carbon disulfide, CAS: 75-15-0



Report Date: 22-Apr-2014 16:34:09 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1378.D

Injection Date: 21-Apr-2014 18:14:30 Instrument ID: VMS_J

Lims ID: MB

Client ID:

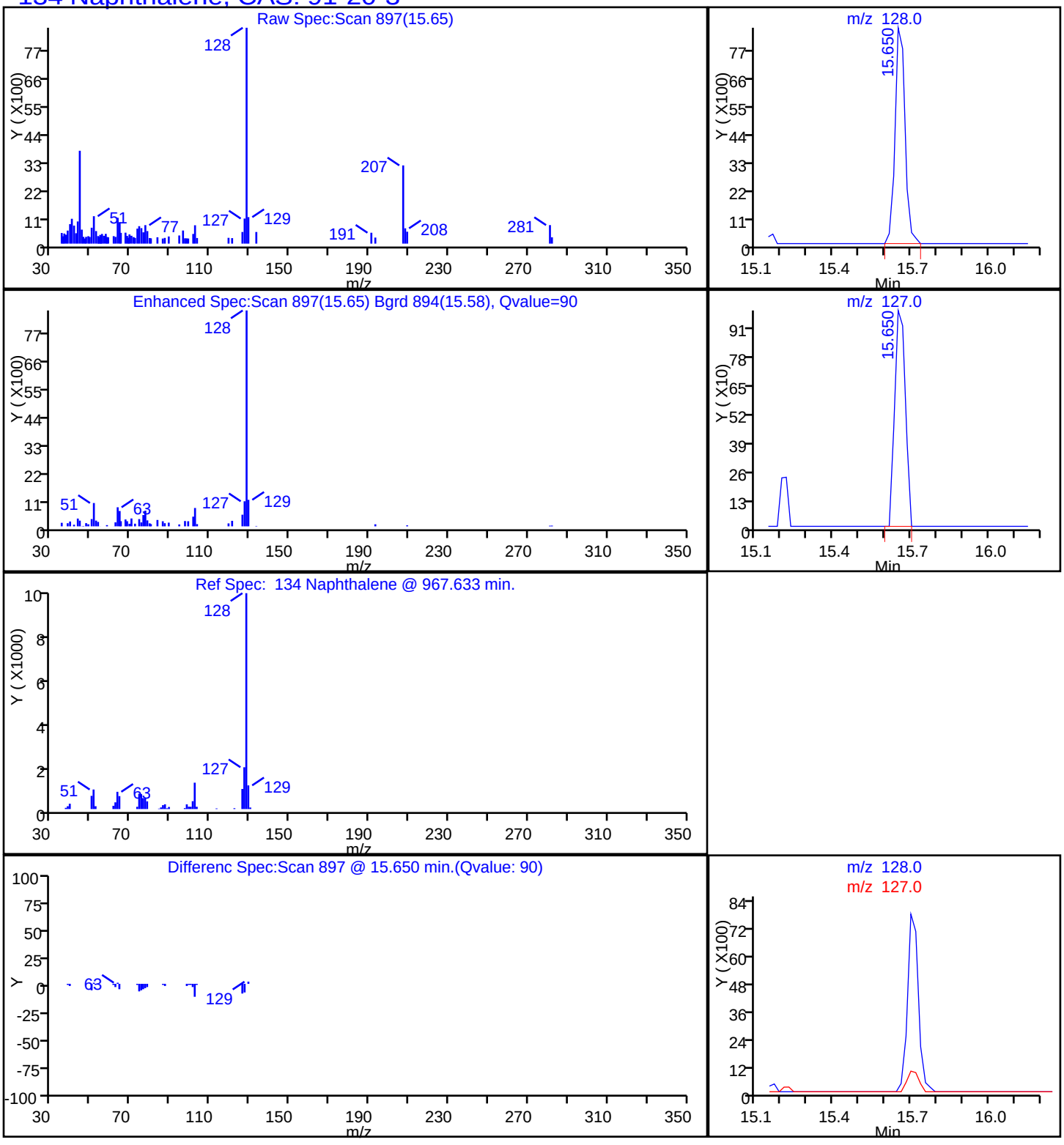
Operator ID: DUKESA ALS Bottle#: 15 Worklist Smp#: 7

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid

Column: DB-624 (0.25 mm) Detector MS SCAN

134 Naphthalene, CAS: 91-20-3



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-222940/8

Matrix: Water | Lab File ID: G2_0021.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 19:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	0.40	U	1.0	0.40	0.17
71-55-6	1,1,1-Trichloroethane	0.20	U	1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	0.40	U	1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	3.0	2.8	0.79
79-00-5	1,1,2-Trichloroethane	0.40	U	1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	0.40	U	1.0	0.40	0.16
75-35-4	1,1-Dichloroethene	0.40	U	1.0	0.40	0.14
563-58-6	1,1-Dichloropropene	0.40	U	1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	0.40	U	1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	0.80	U	3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	0.80	U	1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	0.20	U	1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	1.6	U	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	0.20	U	1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	0.40	U	1.0	0.40	0.13
78-87-5	1,2-Dichloropropane	0.40	U	1.0	0.40	0.13
108-67-8	1,3,5-Trimethylbenzene	0.40	U	1.0	0.40	0.14
541-73-1	1,3-Dichlorobenzene	0.20	U	1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	0.40	U	1.0	0.40	0.15
106-46-7	1,4-Dichlorobenzene	0.40	U	1.0	0.40	0.16
123-91-1	1,4-Dioxane	80	U	220	80	71
544-10-5	1-Chlorohexane	0.20	U	1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	0.40	U	1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	3.2	U	6.0	3.2	1.8
95-49-8	2-Chlorotoluene	0.40	U	1.0	0.40	0.17
591-78-6	2-Hexanone	3.2	U	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	0.40	U	1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	0.40	U	1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	3.2	U	5.0	3.2	1.0
67-64-1	Acetone	6.4	U	10	6.4	1.9
71-43-2	Benzene	0.20	U	1.0	0.20	0.16
108-86-1	Bromobenzene	0.20	U	1.0	0.20	0.17
75-25-2	Bromoform	0.40	U	1.0	0.40	0.19
74-83-9	Bromomethane	0.40	U	2.0	0.40	0.21
75-15-0	Carbon disulfide	0.80	U	2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-222940/8

Matrix: Water | Lab File ID: G2_0021.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 19:48

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	0.40	U	2.0	0.40	0.19
108-90-7	Chlorobenzene	0.20	U	1.0	0.20	0.17
74-97-5	Chlorobromomethane	0.40	U	1.0	0.40	0.10
124-48-1	Chlorodibromomethane	0.40	U	1.0	0.40	0.17
75-00-3	Chloroethane	1.6	U	2.0	1.6	0.41
67-66-3	Chloroform	0.20	U	1.0	0.20	0.16
74-87-3	Chloromethane	0.80	U	2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	0.20	U	1.0	0.20	0.16
110-82-7	Cyclohexane	0.40	U	2.0	0.40	0.28
74-95-3	Dibromomethane	0.40	U	1.0	0.40	0.17
75-27-4	Dichlorobromomethane	0.20	U	1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	0.80	U	2.0	0.80	0.31
100-41-4	Ethylbenzene	0.20	U	1.0	0.20	0.16
106-93-4	Ethylene Dibromide	0.40	U	1.0	0.40	0.18
87-68-3	Hexachlorobutadiene	0.40	U	1.0	0.40	0.36
98-82-8	Isopropylbenzene	0.40	U	1.0	0.40	0.19
79-20-9	Methyl acetate	2.0	U	5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	0.40	U	5.0	0.40	0.25
108-87-2	Methylcyclohexane	0.40	U	2.0	0.40	0.36
75-09-2	Methylene Chloride	0.80	U	5.0	0.80	0.32
179601-23-1	m-Xylene & p-Xylene	0.80	U	2.0	0.80	0.34
91-20-3	Naphthalene	0.80	U	1.0	0.80	0.22
104-51-8	n-Butylbenzene	0.40	U	1.0	0.40	0.32
103-65-1	N-Propylbenzene	0.20	U	1.0	0.20	0.16
95-47-6	o-Xylene	0.40	U	1.0	0.40	0.19
135-98-8	sec-Butylbenzene	0.40	U	1.0	0.40	0.17
100-42-5	Styrene	0.40	U	1.0	0.40	0.17
98-06-6	tert-Butylbenzene	0.40	U	1.0	0.40	0.16
127-18-4	Tetrachloroethene	0.40	U	1.0	0.40	0.20
108-88-3	Toluene	0.40	U	1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	0.20	U	1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	0.40	U	1.0	0.40	0.19
79-01-6	Trichloroethene	0.20	U	1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	0.80	U	2.0	0.80	0.29
75-01-4	Vinyl chloride	0.40	U	1.5	0.40	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-222940/8

Matrix: Water Lab File ID: G2_0021.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 04/25/2014 19:48

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222940 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	105		70-120
460-00-4	4-Bromofluorobenzene (Surr)	104		75-120
1868-53-7	Dibromofluoromethane (Surr)	99		85-115
2037-26-5	Toluene-d8 (Surr)	99		85-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0021.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 25-Apr-2014 19:48:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: MB
Operator ID: DUKESA Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:03:52 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

First Level Reviewer: dukesa Date: 25-Apr-2014 20:10:45

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	240125	250.0	250.0	
* 1 Fluorobenzene	96	7.570	7.570	0.000	98	2001354	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.800	9.801	-0.001	86	434738	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	96	595373	12.5	12.5	
* 149 1,4-Dioxane-d8	96		0.000						
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	59	415265	10.0	9.90	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	97	385091	10.0	10.5	
$ 7 Toluene-d8 (Surr)	98	8.742	8.742	0.000	94	1836223	10.0	9.90	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	88	582395	10.0	10.4	
$ 151 Trifluorotoluene (Surr)	1		0.000						
$ 4 BFB	95		4.597						
24 Chlorotrifluoroethene	116		3.951						
25 Dichlorodifluoromethane	85		3.979						
27 Chloromethane	50		4.161						
26 1,2-Dichloro-1,1,2,2-tetra	85		4.174						
28 Vinyl chloride	62		4.314						
29 2-Chloro-1,1,1-Trifluoroet	118		4.370						
30 Ethylene oxide	43		4.635						
31 Bromomethane	94		4.677						
32 Chloroethane	64		4.747						
33 Dichlorofluoromethane	67		4.887						
35 Trichlorofluoromethane	101		4.970						
34 Ethanol	45		4.985						
38 Ethyl ether	59		5.124						
36 1,2-Dichloro-1,1,2-trifluo	117		5.138						
37 1,1,1-Trifluoro-2,2-dichlo	83		5.166						
39 Propene oxide	58		5.236						
41 Acrolein	56		5.250						
42 Acetone	43		5.361						
44 Isopropyl alcohol	45		5.376						
45 1,1-Dichloroethene	96		5.389						
43 1,1,2-Trichloro-1,2,2-trif	151		5.389						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
47 Iodomethane	142		5.571						
48 Methyl acetate	43		5.585						
46 Acetonitrile	41		5.585						
49 3-Chloro-1-propene	41		5.641						
50 Carbon disulfide	76		5.669						
51 2-Methyl-2-propanol	59		5.683						
52 Methylene Chloride	84		5.725						
53 Acrylonitrile	53		5.864						
54 Methyl tert-butyl ether	73		5.920						
55 trans-1,2-Dichloroethene	96		5.948						
56 Hexane	57		6.125						
57 Vinyl acetate	43		6.197						
58 Isopropyl ether	87		6.240						
59 1,1-Dichloroethane	63		6.261						
60 2-Chloro-1,3-butadiene	53		6.354						
61 Tert-butyl ethyl ether	59		6.519						
63 Ethyl acetate	43		6.633						
62 2-Butanone (MEK)	43		6.640						
65 sec-Butyl Alcohol	45		6.661						
66 cis-1,2-Dichloroethene	96		6.683						
64 Propionitrile	54		6.683						
67 2,2-Dichloropropane	77		6.726						
68 Methacrylonitrile	41		6.812						
69 Chlorobromomethane	128		6.876						
70 Chloroform	83		6.883						
71 Tetrahydrofuran	42		6.912						
72 Isobutyl alcohol	41		7.069						
73 1,1,1-Trichloroethane	97		7.112						
74 Cyclohexane	56		7.198						
75 1,1-Dichloropropene	75		7.212						
76 Carbon tetrachloride	117		7.255						
77 1,2-Dichloroethane	62		7.355						
79 Benzene	78		7.384						
78 Tert-amyl methyl ether	73		7.391						
14 n-Heptane	43		7.469						
80 n-Butanol	56		7.584						
81 Trichloroethene	95		7.841						
82 2-Pentanone	43		7.870						
83 Methyl methacrylate	100		7.977						
84 1,2-Dichloropropane	63		8.020						
85 Methylcyclohexane	55		8.049						
86 1,4-Dioxane	88		8.070						
87 Dibromomethane	93		8.120						
88 Dichlorobromomethane	83		8.184						
90 2-Chloroethyl vinyl ether	63		8.327						
89 2-Nitropropane	41		8.328						
91 cis-1,3-Dichloropropene	75		8.506						
92 4-Methyl-2-pentanone (MIBK	43		8.563						
93 Toluene	91		8.785						
94 Ethyl methacrylate	69		8.864						
95 trans-1,3-Dichloropropene	75		8.871						
96 1,1,2-Trichloroethane	97		9.035						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
97 2-Hexanone	43		9.150						
98 1,3-Dichloropropane	76		9.164						
99 Tetrachloroethene	164		9.207						
100 Chlorodibromomethane	129		9.357						
101 Tetrahydrothiophene	60		9.407						
102 Ethylene Dibromide	107		9.479						
103 1-Chlorohexane	91		9.715						
104 Chlorobenzene	112		9.822						
105 1,1,1,2-Tetrachloroethane	131		9.858						
106 Ethylbenzene	106		9.865						
107 m-Xylene & p-Xylene	106		9.936						
108 o-Xylene	106		10.251						
109 Styrene	104		10.251						
110 Bromoform	173		10.444						
111 Isopropylbenzene	105		10.508						
112 cis-1,4-Dichloro-2-butene	53		10.523						
113 Cyclohexanone	55		10.623						
114 1,1,2,2-Tetrachloroethane	83		10.701						
115 trans-1,4-Dichloro-2-buten	53		10.730						
116 1,2,3-Trichloropropane	110		10.766						
118 N-Propylbenzene	120		10.823						
117 Bromobenzene	156		10.823						
119 1,3,5-Trimethylbenzene	105		10.930						
120 2-Chlorotoluene	126		10.944						
121 4-Chlorotoluene	126		11.016						
122 tert-Butylbenzene	119		11.223						
123 1,2,4-Trimethylbenzene	105		11.252						
124 sec-Butylbenzene	134		11.402						
125 4-Isopropyltoluene	119		11.495						
126 1,3-Dichlorobenzene	146		11.559						
127 1,4-Dichlorobenzene	146		11.624						
128 1,2,3-Trimethylbenzene	105		11.624						
129 n-Butylbenzene	91		11.845						
130 1,2-Dichlorobenzene	146		11.974						
131 1,2-Dibromo-3-Chloropropan	157		12.696						
16 1,3,5-Trichlorobenzene	180		12.904						
132 1,2,4-Trichlorobenzene	180		13.626						
133 Hexachlorobutadiene	225		13.783						
134 Naphthalene	128		13.976						
135 1,2,3-Trichlorobenzene	180		14.291						
13 2,2-Dimethylpentane	1		0.000						
147 Butadiene	54		0.000						
146 Benzyl chloride	126		0.000						
145 2-Methylnaphthalene	142		0.000						
12 2,2,3-Trimethylbutane	1		0.000						
17 3-Ethylpentane	1		0.000						
144 n-Butyl acetate	43		0.000						
148 Ethyl acrylate	55		0.000						
143 Pentachloroethane	167		0.000						
19 3-Methylhexane	1		0.000						
10 n-Nonyl Aldehyde	1		0.000						
18 3,3-Dimethylpentane	1		0.000						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
21 2-Butoxyethanol TIC	1		0.000						
9 2,4-Dimethylpentane	1		0.000						
20 2-Methylhexane	1		0.000						
15 Dimethyl disulfide	1		0.000						
11 2,3-Dimethylpentane	1		0.000						
22 2,3-dichloro-1-propene TIC	75		1.000						
23 Dichloroacetonitrile TIC	74		1.000						
40 Propene oxide TIC	58	5.375	5.334	0.041	1	1630		NR	7
S 142 1,2-Dichloroethene, Total	96		2.000						
S 139 1,3-Dichloropropene, Total	1		0.000						
S 140 1,2-Dichloroethene, Total	1		0.000						
S 141 Xylenes, Total	106		0.000						
S 136 Trihalomethanes, Total	1		0.000						
S 137 Xylenes, Total (URS)	1		0.000						
S 138 Total BTEX	1		0.000						

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

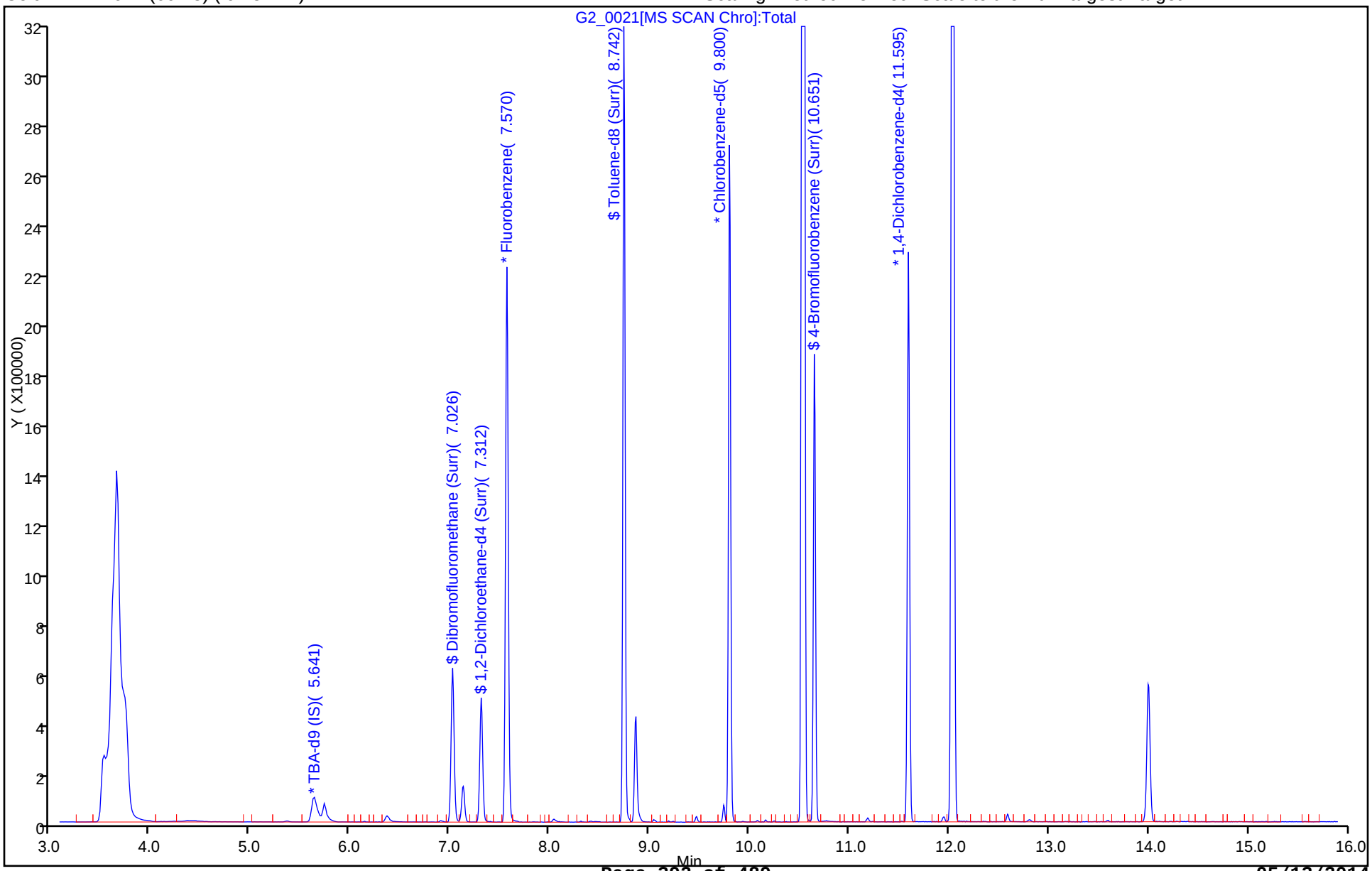
Report Date: 28-Apr-2014 16:05:11 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0021.D

Injection Date:	25-Apr-2014 19:48:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	MB			Worklist Smp#:	8
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-222190/2-A

Matrix: Solid | Lab File ID: J1377.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/21/2014 17:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	55.0		5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	54.3		5.0	1.0	0.52
79-34-5	1,1,2,2-Tetrachloroethane	51.8		5.0	1.0	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	54.6		20	20	0.45
79-00-5	1,1,2-Trichloroethane	52.4		5.0	1.0	0.88
75-34-3	1,1-Dichloroethane	54.8		5.0	0.80	0.21
75-35-4	1,1-Dichloroethene	54.0		5.0	1.0	0.59
563-58-6	1,1-Dichloropropene	56.8		5.0	1.0	0.54
87-61-6	1,2,3-Trichlorobenzene	55.5		5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	52.9	M	5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	56.3		5.0	1.0	0.73
95-63-6	1,2,4-Trimethylbenzene	54.3		5.0	1.0	0.58
96-12-8	1,2-Dibromo-3-Chloropropane	53.1		10	1.0	0.60
95-50-1	1,2-Dichlorobenzene	55.1		5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	55.1		5.0	1.0	0.70
78-87-5	1,2-Dichloropropane	52.4		5.0	1.0	0.55
108-67-8	1,3,5-Trimethylbenzene	55.5		5.0	1.0	0.57
541-73-1	1,3-Dichlorobenzene	55.1		5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	51.0		5.0	1.0	0.51
106-46-7	1,4-Dichlorobenzene	55.8		5.0	1.0	0.78
123-91-1	1,4-Dioxane	983		500	80	56
544-10-5	1-Chlorohexane	55.9		5.0	0.80	0.63
594-20-7	2,2-Dichloropropane	55.9		5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	212		20	6.4	1.8
95-49-8	2-Chlorotoluene	55.7		5.0	1.0	0.51
591-78-6	2-Hexanone	167		20	10	4.9
106-43-4	4-Chlorotoluene	55.9		5.0	1.0	0.78
99-87-6	4-Isopropyltoluene	56.1		5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	172		20	10	4.4
67-64-1	Acetone	171		20	10	5.4
71-43-2	Benzene	55.1		5.0	1.0	0.47
108-86-1	Bromobenzene	55.5		5.0	1.0	0.49
75-25-2	Bromoform	55.2		5.0	0.80	0.23
74-83-9	Bromomethane	44.7		10	1.0	0.50
75-15-0	Carbon disulfide	55.6		5.0	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-222190/2-A

Matrix: Solid | Lab File ID: J1377.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 04/21/2014 17:53

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	57.7		5.0	1.0	0.63
108-90-7	Chlorobenzene	54.9		5.0	1.0	0.54
74-97-5	Chlorobromomethane	54.5		5.0	1.0	0.30
124-48-1	Chlorodibromomethane	56.9		5.0	1.0	0.57
75-00-3	Chloroethane	41.6		10	1.0	0.89
67-66-3	Chloroform	54.8		10	1.0	0.29
74-87-3	Chloromethane	50.3		10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	53.0		5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	55.9		5.0	2.0	1.3
110-82-7	Cyclohexane	52.7		5.0	1.6	0.40
74-95-3	Dibromomethane	51.9		5.0	1.0	0.84
75-27-4	Dichlorobromomethane	53.8		5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	58.1		10	1.0	0.52
100-41-4	Ethylbenzene	54.3		5.0	1.0	0.67
106-93-4	Ethylene Dibromide	53.6		5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	55.4		5.0	1.0	0.55
98-82-8	Isopropylbenzene	56.2		5.0	1.0	0.59
79-20-9	Methyl acetate	240		8.5	4.0	2.8
1634-04-4	Methyl tert-butyl ether	53.5		20	1.0	0.34
108-87-2	Methylcyclohexane	54.0		5.0	0.80	0.42
75-09-2	Methylene Chloride	54.1		5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	54.2		3.2	2.0	1.0
91-20-3	Naphthalene	51.5		5.0	1.0	0.63
104-51-8	n-Butylbenzene	56.0		5.0	1.0	0.56
103-65-1	N-Propylbenzene	55.1		5.0	1.0	0.58
95-47-6	o-Xylene	56.4		5.0	1.0	0.61
135-98-8	sec-Butylbenzene	56.1		5.0	1.0	0.77
100-42-5	Styrene	59.9		5.0	1.0	0.63
98-06-6	tert-Butylbenzene	54.6		5.0	1.0	0.50
127-18-4	Tetrachloroethene	54.9		5.0	1.0	0.59
108-88-3	Toluene	54.9		5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	54.6		5.0	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	54.7		5.0	1.0	0.67
79-01-6	Trichloroethene	56.4		5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	45.2		10	2.0	1.0
75-01-4	Vinyl chloride	47.5		5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-222190/2-A

Matrix: Solid Lab File ID: J1377.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 04/21/2014 17:53

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222203 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-129
460-00-4	4-Bromofluorobenzene (Surr)	98		85-120
1868-53-7	Dibromofluoromethane (Surr)	101		71-126
2037-26-5	Toluene-d8 (Surr)	104		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1377.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 21-Apr-2014 17:53:30 ALS Bottle#: 14 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:33:43 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

First Level Reviewer: dukesa Date: 21-Apr-2014 19:13:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.958	5.944	0.014	56	802453	1000.0	1000.0	
* 1 Fluorobenzene	96	8.063	8.067	-0.004	98	1897835	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.764	0.013	79	470223	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.918	12.904	0.014	90	748112	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.472	7.471	0.001	55	582974	50.0	50.6	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.785	7.784	0.001	76	478968	50.0	46.4	
$ 7 Toluene-d8 (Surr)	98	9.438	9.437	0.001	93	1838175	50.0	51.9	
$ 8 4-Bromofluorobenzene (Surr	95	11.787	11.786	0.001	91	669387	50.0	48.9	
25 Dichlorodifluoromethane	85	4.148	4.152	-0.004	98	553530	50.0	58.1	
27 Chloromethane	50	4.357	4.358	-0.001	100	523750	50.0	50.3	
28 Vinyl chloride	62	4.514	4.532	-0.018	98	431705	50.0	47.5	
147 Butadiene	54	4.531	4.532	-0.001	96	359666	50.0	47.1	
31 Bromomethane	94	4.896	4.897	-0.001	93	262363	50.0	44.7	
32 Chloroethane	64	4.966	4.967	-0.001	98	207236	50.0	41.6	
33 Dichlorofluoromethane	67	5.123	5.141	-0.018	94	684219	50.0	45.8	
34 Trichlorofluoromethane	101	5.262	5.263	-0.001	94	496769	50.0	45.2	
37 Ethyl ether	59	5.401	5.405	-0.004	95	446062	50.0	44.3	
40 Acrolein	56	5.558	5.544	0.014	89	435239	498.7	329.2	
41 Acetone	43	5.662	5.663	-0.001	99	460137	200.0	170.5	
42 1,1,2-Trichloro-1,2,2-trif	151	5.679	5.666	0.013	94	466595	50.0	54.6	
45 1,1-Dichloroethene	96	5.697	5.700	-0.003	96	537674	50.0	54.0	
46 Iodomethane	142	5.888	5.892	-0.004	98	1303909	50.0	58.0	
48 Methyl acetate	43	5.906	5.909	-0.003	96	1758183	250.0	240.2	
49 3-Chloro-1-propene	41	5.958	5.961	-0.003	89	1111692	50.0	50.6	
51 Carbon disulfide	76	5.993	5.979	0.014	99	2591084	50.0	55.6	
50 2-Methyl-2-propanol	59	6.027	6.014	0.013	53	524310	500.0	520.2	
52 Methylene Chloride	84	6.062	6.066	-0.004	93	662066	50.0	54.1	
53 Acrylonitrile	53	6.219	6.222	-0.003	99	1668236	500.0	519.1	
54 Methyl tert-butyl ether	73	6.254	6.257	-0.003	96	1307694	50.0	53.5	
55 trans-1,2-Dichloroethene	96	6.306	6.292	0.014	96	574860	50.0	54.6	
56 Hexane	57	6.480	6.466	0.014	93	984435	50.0	50.1	
57 Vinyl acetate	43	6.567	6.570	-0.003	96	2301311	100.0	124.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
59 1,1-Dichloroethane	63	6.636	6.640	-0.004	97	1139829	50.0	54.8	
63 2-Butanone (MEK)	43	7.054	7.055	-0.001	99	978038	200.0	212.1	
64 sec-Butyl Alcohol	45	7.089	7.092	-0.003	99	1307593	1500.0	1566.4	
65 cis-1,2-Dichloroethene	96	7.106	7.110	-0.004	85	602469	50.0	53.0	
67 2,2-Dichloropropane	77	7.141	7.145	-0.004	88	756883	50.0	55.9	
69 Chlorobromomethane	128	7.315	7.319	-0.004	92	332841	50.0	54.5	
70 Chloroform	83	7.332	7.336	-0.004	94	954375	50.0	54.8	
71 Tetrahydrofuran	42	7.350	7.353	-0.003	90	264279	100.0	102.5	
73 1,1,1-Trichloroethane	97	7.559	7.562	-0.003	93	687247	50.0	54.3	
72 Isobutyl alcohol	41	7.646	7.632	0.014	97	631709	1250.0	567.1	
74 Cyclohexane	56	7.646	7.649	-0.003	93	1109680	50.0	52.7	
75 1,1-Dichloropropene	75	7.680	7.667	0.013	95	812898	50.0	56.8	
76 Carbon tetrachloride	117	7.715	7.719	-0.004	77	690224	50.0	57.7	
77 1,2-Dichloroethane	62	7.854	7.858	-0.004	91	636056	50.0	55.1	
79 Benzene	78	7.872	7.875	-0.003	96	2290076	50.0	55.1	
14 n-Heptane	43	7.959	7.945	0.014	93	1020600	50.0	50.0	
81 Trichloroethene	130	8.376	8.380	-0.004	95	661137	50.0	56.4	
82 2-Pentanone	43	8.429	8.415	0.014	99	1450401	200.0	191.9	
85 Methylcyclohexane	55	8.585	8.589	-0.004	91	881305	50.0	54.0	
84 1,2-Dichloropropane	63	8.585	8.589	-0.004	92	664592	50.0	52.4	
86 1,4-Dioxane	88	8.655	8.641	0.014	82	96623	1000.0	983.2	
87 Dibromomethane	93	8.707	8.711	-0.004	85	338039	50.0	51.9	
88 Dichlorobromomethane	83	8.794	8.780	0.014	94	692829	50.0	53.8	
89 2-Chloroethyl vinyl ether	63	8.951	8.954	-0.003	91	314900	50.0	53.6	
91 cis-1,3-Dichloropropene	75	9.159	9.163	-0.004	91	943890	50.0	55.9	
92 4-Methyl-2-pentanone (MIBK	43	9.229	9.230	-0.001	96	1693589	200.0	171.8	
93 Toluene	91	9.507	9.494	0.013	91	2120445	50.0	54.9	
94 Ethyl methacrylate	69	9.612	9.598	0.014	89	630142	50.0	56.7	
95 trans-1,3-Dichloropropene	75	9.629	9.615	0.014	97	754332	50.0	54.7	
96 1,1,2-Trichloroethane	97	9.838	9.824	0.014	90	409531	50.0	52.4	
97 2-Hexanone	43	9.977	9.978	-0.001	96	1239946	200.0	166.9	
98 1,3-Dichloropropane	76	10.012	9.998	0.014	89	745339	50.0	51.0	
99 Tetrachloroethene	164	10.029	10.033	-0.004	96	502101	50.0	54.9	
100 Chlorodibromomethane	129	10.255	10.242	0.013	86	571304	50.0	56.9	
102 Ethylene Dibromide	107	10.395	10.398	-0.003	99	467433	50.0	53.6	
103 1-Chlorohexane	91	10.673	10.659	0.014	98	834222	50.0	55.9	
104 Chlorobenzene	112	10.795	10.799	-0.003	93	1538369	50.0	54.9	
105 Ethylbenzene	106	10.847	10.833	0.014	93	759439	50.0	54.3	
106 1,1,1,2-Tetrachloroethane	131	10.847	10.833	0.014	42	531277	50.0	55.0	
107 m-Xylene & p-Xylene	91	10.934	10.920	0.014	100	1846112	50.0	54.2	
108 Styrene	104	11.299	11.303	-0.004	87	1581669	50.0	59.9	
109 o-Xylene	106	11.299	11.303	-0.004	84	925195	50.0	56.4	
110 Bromoform	173	11.543	11.529	0.014	97	360567	50.0	55.2	
111 Isopropylbenzene	105	11.613	11.599	0.014	95	2459143	50.0	56.2	
113 Cyclohexanone	55	11.752	11.753	-0.001	92	689559	2000.0	1749.3	
114 1,1,2,2-Tetrachloroethane	83	11.856	11.842	0.014	80	595878	50.0	51.8	
115 trans-1,4-Dichloro-2-buten	53	11.891	11.895	-0.004	79	164217	50.0	53.3	
116 1,2,3-Trichloropropane	110	11.926	11.929	-0.003	58	139523	50.0	52.9	a
117 N-Propylbenzene	120	11.978	11.982	-0.004	94	692630	50.0	55.1	
118 Bromobenzene	156	11.978	11.982	-0.004	60	707160	50.0	55.5	
119 1,3,5-Trimethylbenzene	105	12.117	12.121	-0.004	91	1951733	50.0	55.5	
120 2-Chlorotoluene	126	12.135	12.121	0.014	98	632141	50.0	55.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
121 4-Chlorotoluene	126	12.222	12.208	0.014	96	651356	50.0	55.9	
122 tert-Butylbenzene	119	12.465	12.469	-0.004	88	2047895	50.0	54.6	
123 1,2,4-Trimethylbenzene	105	12.500	12.504	-0.004	90	1958152	50.0	54.3	
124 sec-Butylbenzene	134	12.674	12.678	-0.004	93	548858	50.0	56.1	
125 4-Isopropyltoluene	119	12.778	12.782	-0.004	93	2370791	50.0	56.1	
126 1,3-Dichlorobenzene	146	12.848	12.852	-0.004	98	1308489	50.0	55.1	
128 1,4-Dichlorobenzene	146	12.935	12.939	-0.004	96	1340386	50.0	55.8	
129 n-Butylbenzene	91	13.196	13.200	-0.004	96	2196781	50.0	56.0	
130 1,2-Dichlorobenzene	146	13.353	13.339	0.014	99	1206052	50.0	55.1	
131 1,2-Dibromo-3-Chloropropan	157	14.205	14.191	0.014	93	114459	50.0	53.1	
132 1,2,4-Trichlorobenzene	180	15.267	15.253	0.014	94	847852	50.0	56.3	
133 Hexachlorobutadiene	225	15.441	15.427	0.014	96	436873	50.0	55.4	
134 Naphthalene	128	15.649	15.653	-0.004	97	1599115	50.0	51.5	
135 1,2,3-Trichlorobenzene	180	16.015	16.018	-0.003	95	728325	50.0	55.5	
S 142 1,2-Dichloroethene, Total	96				0		100.0	107.6	
S 136 Trihalomethanes, Total	1				0		200.0	220.6	
S 137 Xylenes, Total (URS)	1				0		100.0	110.6	
S 139 1,3-Dichloropropene, Total	1				0		100.0	110.6	
S 140 1,2-Dichloroethene, Total	1				0		100.0	107.6	
S 141 Xylenes, Total	106				0		100.0	110.6	

QC Flag Legend

Review Flags
a - User Assigned ID

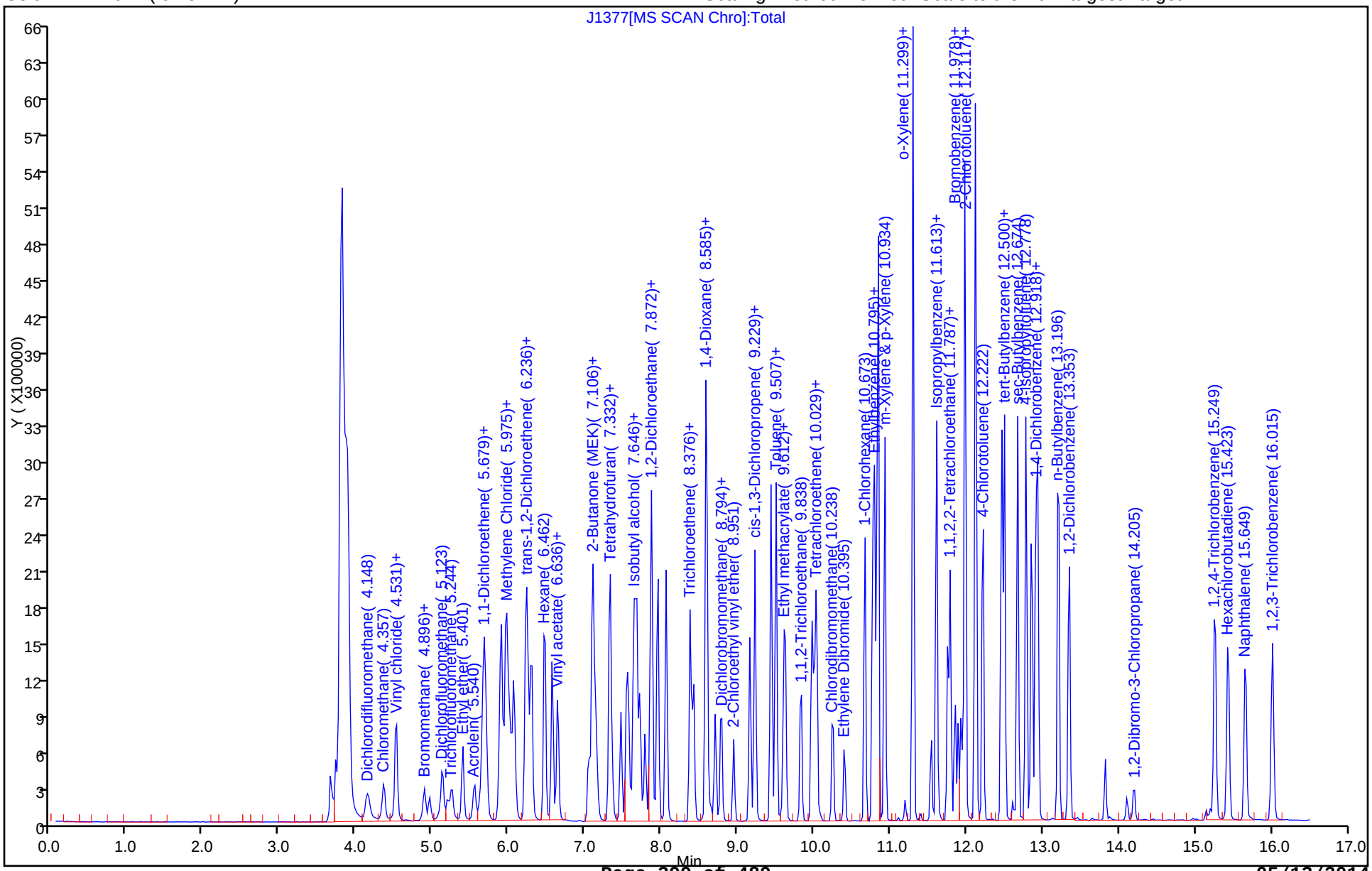
Report Date: 22-Apr-2014 16:34:10 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1377.D

Injection Date:	21-Apr-2014 17:53:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	14
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

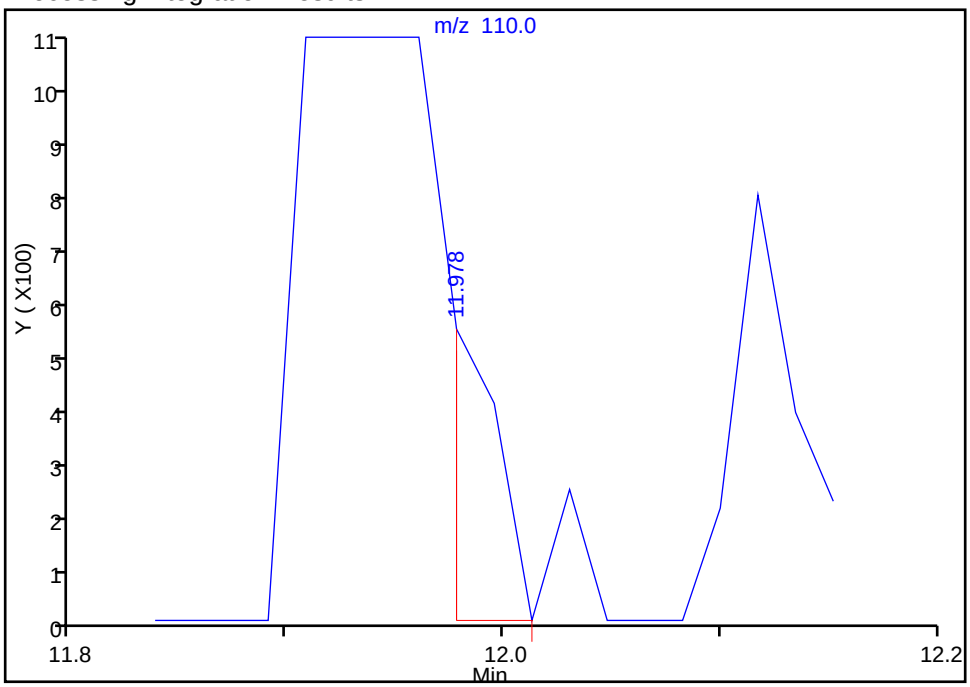
TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1377.D
Injection Date: 21-Apr-2014 17:53:30 Instrument ID: VMS_J
Lims ID: LCS
Client ID:
Operator ID: DUKESA ALS Bottle#: 14 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid
Column: DB-624 (0.25 mm) Detector MS SCAN

116 1,2,3-Trichloropropane, CAS: 96-18-4

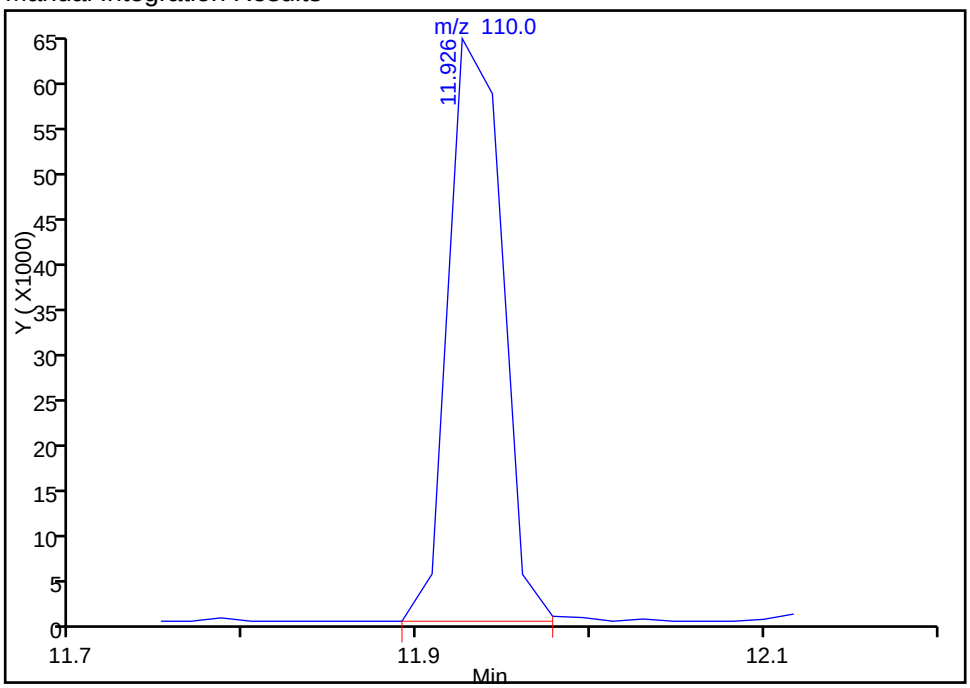
Processing Integration Results

RT: 11.98
Response: 993
Amount: 0.376626



Manual Integration Results

RT: 11.93
Response: 139523
Amount: 52.918473



Reviewer: dukesa, 21-Apr-2014 19:13:39
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-222940/6

Matrix: Water | Lab File ID: G2_0019.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 19:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	5.49		1.0	0.40	0.17
71-55-6	1,1,1-Trichloroethane	5.60		1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	5.22		1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.06		3.0	2.8	0.79
79-00-5	1,1,2-Trichloroethane	5.07		1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	5.57		1.0	0.40	0.16
75-35-4	1,1-Dichloroethene	5.21		1.0	0.40	0.14
563-58-6	1,1-Dichloropropene	5.72		1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	5.22		1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	5.59		3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	5.26		1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	5.52		1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	4.88	J	5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	5.33		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	5.51		1.0	0.40	0.13
78-87-5	1,2-Dichloropropane	5.12		1.0	0.40	0.13
108-67-8	1,3,5-Trimethylbenzene	5.53		1.0	0.40	0.14
541-73-1	1,3-Dichlorobenzene	5.34		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	5.15		1.0	0.40	0.15
106-46-7	1,4-Dichlorobenzene	5.30		1.0	0.40	0.16
123-91-1	1,4-Dioxane	107	J	220	80	71
544-10-5	1-Chlorohexane	5.34		1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	5.95		1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	16.7		6.0	3.2	1.8
95-49-8	2-Chlorotoluene	5.40		1.0	0.40	0.17
591-78-6	2-Hexanone	15.3		5.0	3.2	1.4
106-43-4	4-Chlorotoluene	5.44		1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	5.56		1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	14.8		5.0	3.2	1.0
67-64-1	Acetone	18.2		10	6.4	1.9
71-43-2	Benzene	4.95		1.0	0.20	0.16
108-86-1	Bromobenzene	5.24		1.0	0.20	0.17
75-25-2	Bromoform	5.34		1.0	0.40	0.19
74-83-9	Bromomethane	3.66		2.0	0.40	0.21
75-15-0	Carbon disulfide	5.42		2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-222940/6

Matrix: Water | Lab File ID: G2_0019.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 19:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	5.86		2.0	0.40	0.19
108-90-7	Chlorobenzene	5.19		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.14		1.0	0.40	0.10
124-48-1	Chlorodibromomethane	5.59		1.0	0.40	0.17
75-00-3	Chloroethane	3.76		2.0	1.6	0.41
67-66-3	Chloroform	5.31		1.0	0.20	0.16
74-87-3	Chloromethane	3.93		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	5.14		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	5.42		1.0	0.20	0.16
110-82-7	Cyclohexane	5.08		2.0	0.40	0.28
74-95-3	Dibromomethane	5.19		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	5.30		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	4.06		2.0	0.80	0.31
100-41-4	Ethylbenzene	5.14		1.0	0.20	0.16
106-93-4	Ethylene Dibromide	5.07		1.0	0.40	0.18
87-68-3	Hexachlorobutadiene	5.41		1.0	0.40	0.36
98-82-8	Isopropylbenzene	5.56		1.0	0.40	0.19
79-20-9	Methyl acetate	27.1		5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	5.18		5.0	0.40	0.25
108-87-2	Methylcyclohexane	5.19		2.0	0.40	0.36
75-09-2	Methylene Chloride	5.10		5.0	0.80	0.32
179601-23-1	m-Xylene & p-Xylene	5.24		2.0	0.80	0.34
91-20-3	Naphthalene	4.86		1.0	0.80	0.22
104-51-8	n-Butylbenzene	5.51		1.0	0.40	0.32
103-65-1	N-Propylbenzene	5.41		1.0	0.20	0.16
95-47-6	o-Xylene	5.35		1.0	0.40	0.19
135-98-8	sec-Butylbenzene	5.53		1.0	0.40	0.17
100-42-5	Styrene	5.42		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	5.48		1.0	0.40	0.16
127-18-4	Tetrachloroethene	5.25		1.0	0.40	0.20
108-88-3	Toluene	5.27		1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	5.30		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	5.65		1.0	0.40	0.19
79-01-6	Trichloroethene	5.28		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	3.98		2.0	0.80	0.29
75-01-4	Vinyl chloride	3.92		1.5	0.40	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-222940/6

Matrix: Water Lab File ID: G2_0019.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 04/25/2014 19:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222940 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	98		70-120
460-00-4	4-Bromofluorobenzene (Surr)	97		75-120
1868-53-7	Dibromofluoromethane (Surr)	95		85-115
2037-26-5	Toluene-d8 (Surr)	98		85-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0019.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 25-Apr-2014 19:08:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Operator ID: DUKESA Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:03:52 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	227888	250.0	250.0	
* 1 Fluorobenzene	96	7.569	7.570	-0.001	98	2016325	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.807	9.801	0.006	86	439988	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.602	11.595	0.007	91	619225	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	57	400683	10.0	9.48	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	90	363897	10.0	9.82	
$ 7 Toluene-d8 (Surr)	98	8.742	8.742	0.000	93	1837108	10.0	9.79	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	87	564774	10.0	9.67	
25 Dichlorodifluoromethane	85	3.979	3.979	0.000	87	240342	5.00	4.06	
27 Chloromethane	50	4.160	4.161	-0.001	88	223500	5.00	3.93	
28 Vinyl chloride	62	4.300	4.314	-0.014	84	229673	5.00	3.92	
31 Bromomethane	94	4.663	4.677	-0.014	87	146653	5.00	3.66	
32 Chloroethane	64	4.733	4.747	-0.014	98	141190	5.00	3.76	
33 Dichlorofluoromethane	67	4.887	4.887	0.000	74	375376	5.00	3.95	
35 Trichlorofluoromethane	101	4.956	4.970	-0.014	83	323521	5.00	3.98	
38 Ethyl ether	59	5.138	5.124	0.014	89	115896	5.00	4.90	
41 Acrolein	56	5.264	5.250	0.014	89	57638	49.9	33.3	
42 Acetone	43	5.361	5.361	0.000	94	72813	20.0	18.2	
45 1,1-Dichloroethene	96	5.403	5.389	0.014	88	258075	5.00	5.21	
43 1,1,2-Trichloro-1,2,2-trif	151	5.389	5.389	0.000	87	210506	5.00	5.06	
47 Iodomethane	142	5.585	5.571	0.014	99	424880	5.00	5.56	
48 Methyl acetate	43	5.599	5.585	0.014	97	263148	25.0	27.1	
49 3-Chloro-1-propene	41	5.655	5.641	0.014	76	423832	5.00	5.14	
50 Carbon disulfide	76	5.683	5.669	0.014	99	1113199	5.00	5.42	
51 2-Methyl-2-propanol	59	5.697	5.683	0.014	1	68700	50.0	50.2	
52 Methylene Chloride	84	5.739	5.725	0.014	82	253324	5.00	5.10	
53 Acrylonitrile	53	5.878	5.864	0.014	99	246288	50.0	50.7	
54 Methyl tert-butyl ether	73	5.934	5.920	0.014	88	374273	5.00	5.18	
55 trans-1,2-Dichloroethene	96	5.962	5.948	0.014	94	290213	5.00	5.30	
56 Hexane	57	6.139	6.125	0.014	93	454683	5.00	5.22	
57 Vinyl acetate	43	6.211	6.197	0.014	90	415303	10.0	10.8	
59 1,1-Dichloroethane	63	6.282	6.261	0.021	85	496816	5.00	5.57	
62 2-Butanone (MEK)	43	6.640	6.640	0.000	97	108999	20.0	16.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 sec-Butyl Alcohol	45	6.683	6.661	0.022	77	124715	150.0	146.5	
66 cis-1,2-Dichloroethene	96	6.704	6.683	0.021	70	258448	5.00	5.14	
67 2,2-Dichloropropane	77	6.740	6.726	0.014	89	445456	5.00	5.95	
69 Chlorobromomethane	128	6.890	6.876	0.014	92	87630	5.00	5.14	
70 Chloroform	83	6.904	6.883	0.021	81	440254	5.00	5.31	
71 Tetrahydrofuran	42	6.933	6.912	0.021	83	36030	10.0	10.0	
72 Isobutyl alcohol	41	7.090	7.069	0.021	88	48960	125.0	346.4	
73 1,1,1-Trichloroethane	97	7.126	7.112	0.014	93	454595	5.00	5.60	
74 Cyclohexane	56	7.205	7.198	0.007	87	491703	5.00	5.08	
75 1,1-Dichloropropene	75	7.226	7.212	0.014	88	421167	5.00	5.72	
76 Carbon tetrachloride	117	7.269	7.255	0.014	74	415926	5.00	5.86	
77 1,2-Dichloroethane	62	7.369	7.355	0.014	87	233862	5.00	5.51	
79 Benzene	78	7.398	7.384	0.014	97	1004165	5.00	4.95	
14 n-Heptane	43	7.484	7.469	0.015	90	454936	5.00	5.23	
81 Trichloroethene	95	7.855	7.841	0.014	94	282183	5.00	5.28	
82 2-Pentanone	43	7.884	7.870	0.014	90	188984	20.0	17.4	
84 1,2-Dichloropropane	63	8.034	8.020	0.014	90	223384	5.00	5.12	
85 Methylcyclohexane	55	8.056	8.049	0.007	92	407432	5.00	5.19	
86 1,4-Dioxane	88	8.084	8.070	0.014	60	12588	100.0	106.9	
87 Dibromomethane	93	8.134	8.120	0.014	87	81547	5.00	5.19	
88 Dichlorobromomethane	83	8.199	8.184	0.015	93	274794	5.00	5.30	
90 2-Chloroethyl vinyl ether	63	8.342	8.327	0.015	73	17246	5.00	3.41	
91 cis-1,3-Dichloropropene	75	8.513	8.506	0.007	89	321833	5.00	5.42	
92 4-Methyl-2-pentanone (MIBK	43	8.563	8.563	0.000	95	184835	20.0	14.8	
93 Toluene	91	8.792	8.785	0.007	98	1110575	5.00	5.27	
94 Ethyl methacrylate	69	8.871	8.864	0.007	88	124981	5.00	5.03	
95 trans-1,3-Dichloropropene	75	8.885	8.871	0.014	94	258453	5.00	5.65	
96 1,1,2-Trichloroethane	97	9.035	9.035	0.000	88	111247	5.00	5.07	
97 2-Hexanone	43	9.150	9.150	0.000	96	129430	20.0	15.3	
98 1,3-Dichloropropane	76	9.171	9.164	0.007	94	217469	5.00	5.15	
99 Tetrachloroethene	164	9.214	9.207	0.007	92	242114	5.00	5.25	
100 Chlorodibromomethane	129	9.364	9.357	0.007	87	152867	5.00	5.59	
102 Ethylene Dibromide	107	9.486	9.479	0.007	98	103708	5.00	5.07	
103 1-Chlorohexane	91	9.722	9.715	0.007	98	412143	5.00	5.34	
104 Chlorobenzene	112	9.829	9.822	0.007	93	683164	5.00	5.19	
105 1,1,1,2-Tetrachloroethane	131	9.858	9.858	0.000	84	216916	5.00	5.49	
106 Ethylbenzene	106	9.865	9.865	0.000	99	408780	5.00	5.14	
107 m-Xylene & p-Xylene	106	9.943	9.936	0.007	99	508404	5.00	5.24	
108 o-Xylene	106	10.251	10.251	0.000	88	464093	5.00	5.35	
109 Styrene	104	10.251	10.251	0.000	86	689824	5.00	5.42	
110 Bromoform	173	10.444	10.444	0.000	96	69095	5.00	5.34	
111 Isopropylbenzene	105	10.508	10.508	0.000	96	1340771	5.00	5.56	
113 Cyclohexanone	55	10.623	10.623	0.000	88	49762	200.0	140.6	
114 1,1,2,2-Tetrachloroethane	83	10.701	10.701	0.000	87	109527	5.00	5.22	
115 trans-1,4-Dichloro-2-buten	53	10.730	10.730	0.000	74	30326	5.00	5.86	
116 1,2,3-Trichloropropane	110	10.766	10.766	0.000	71	32974	5.00	5.59	
118 N-Propylbenzene	120	10.823	10.823	0.000	97	372900	5.00	5.41	
117 Bromobenzene	156	10.823	10.823	0.000	98	240216	5.00	5.24	
119 1,3,5-Trimethylbenzene	105	10.930	10.930	0.000	92	1066801	5.00	5.53	
120 2-Chlorotoluene	126	10.944	10.944	0.000	95	287817	5.00	5.40	
121 4-Chlorotoluene	126	11.016	11.016	0.000	98	290178	5.00	5.44	
122 tert-Butylbenzene	119	11.223	11.223	0.000	92	1087686	5.00	5.48	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 1,2,4-Trimethylbenzene	105	11.252	11.252	0.000	98	1037962	5.00	5.52	
124 sec-Butylbenzene	134	11.402	11.402	0.000	95	300261	5.00	5.53	
125 4-Isopropyltoluene	119	11.488	11.495	-0.007	97	1221799	5.00	5.56	
126 1,3-Dichlorobenzene	146	11.552	11.559	-0.007	84	508018	5.00	5.34	
127 1,4-Dichlorobenzene	146	11.624	11.624	0.000	94	496645	5.00	5.30	
129 n-Butylbenzene	91	11.845	11.845	0.000	97	1120923	5.00	5.51	
130 1,2-Dichlorobenzene	146	11.974	11.974	0.000	96	400368	5.00	5.33	
131 1,2-Dibromo-3-Chloropropan	157	12.689	12.696	-0.007	50	14300	5.00	4.88	
132 1,2,4-Trichlorobenzene	180	13.619	13.626	-0.007	93	259971	5.00	5.26	
133 Hexachlorobutadiene	225	13.776	13.783	-0.007	95	215522	5.00	5.41	
134 Naphthalene	128	13.976	13.976	0.000	96	276457	5.00	4.86	
135 1,2,3-Trichlorobenzene	180	14.284	14.291	-0.007	93	190772	5.00	5.22	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		10.0	10.4	
S 139 1,3-Dichloropropene, Total	1				0		10.0	11.1	
S 140 1,2-Dichloroethene, Total	1				0		10.0	10.4	
S 141 Xylenes, Total	106				0		10.0	10.6	
S 136 Trihalomethanes, Total	1				0		20.0	21.5	
S 137 Xylenes, Total (URS)	1				0		10.0	10.6	

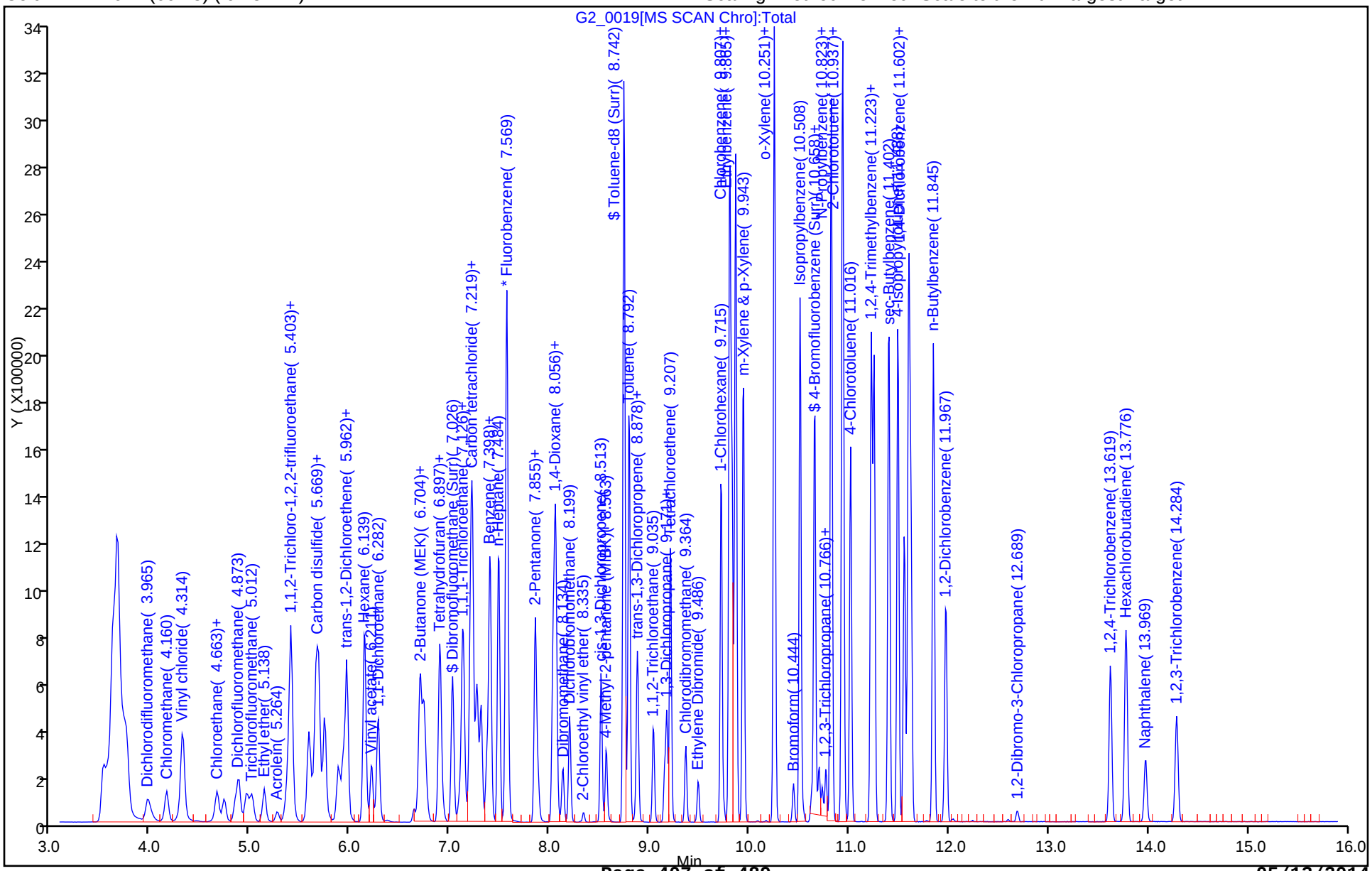
Report Date: 28-Apr-2014 16:05:12 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0019.D

Injection Date:	25-Apr-2014 19:08:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	LCS			Worklist Smp#:	6
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-222940/7

Matrix: Water | Lab File ID: G2_0020.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 19:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	5.59		1.0	0.40	0.17
71-55-6	1,1,1-Trichloroethane	5.68		1.0	0.20	0.16
79-34-5	1,1,2,2-Tetrachloroethane	5.56		1.0	0.40	0.20
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	5.28		3.0	2.8	0.79
79-00-5	1,1,2-Trichloroethane	5.57		1.0	0.40	0.32
75-34-3	1,1-Dichloroethane	5.73		1.0	0.40	0.16
75-35-4	1,1-Dichloroethene	5.38		1.0	0.40	0.14
563-58-6	1,1-Dichloropropene	5.79		1.0	0.40	0.15
87-61-6	1,2,3-Trichlorobenzene	5.60		1.0	0.40	0.18
96-18-4	1,2,3-Trichloropropane	6.13		3.0	0.80	0.77
120-82-1	1,2,4-Trichlorobenzene	5.63		1.0	0.80	0.32
95-63-6	1,2,4-Trimethylbenzene	5.57		1.0	0.20	0.14
96-12-8	1,2-Dibromo-3-Chloropropane	5.45		5.0	1.6	0.81
95-50-1	1,2-Dichlorobenzene	5.46		1.0	0.20	0.13
107-06-2	1,2-Dichloroethane	5.74		1.0	0.40	0.13
78-87-5	1,2-Dichloropropane	5.36		1.0	0.40	0.13
108-67-8	1,3,5-Trimethylbenzene	5.53		1.0	0.40	0.14
541-73-1	1,3-Dichlorobenzene	5.44		1.0	0.20	0.16
142-28-9	1,3-Dichloropropane	5.44		1.0	0.40	0.15
106-46-7	1,4-Dichlorobenzene	5.35		1.0	0.40	0.16
123-91-1	1,4-Dioxane	119	J	220	80	71
544-10-5	1-Chlorohexane	5.41		1.0	0.20	0.17
594-20-7	2,2-Dichloropropane	6.04		1.0	0.40	0.20
78-93-3	2-Butanone (MEK)	22.2		6.0	3.2	1.8
95-49-8	2-Chlorotoluene	5.58		1.0	0.40	0.17
591-78-6	2-Hexanone	21.4	Q	5.0	3.2	1.4
106-43-4	4-Chlorotoluene	5.46		1.0	0.40	0.17
99-87-6	4-Isopropyltoluene	5.57		1.0	0.40	0.17
108-10-1	4-Methyl-2-pentanone (MIBK)	21.2	Q	5.0	3.2	1.0
67-64-1	Acetone	24.2		10	6.4	1.9
71-43-2	Benzene	5.12		1.0	0.20	0.16
108-86-1	Bromobenzene	5.37		1.0	0.20	0.17
75-25-2	Bromoform	5.69		1.0	0.40	0.19
74-83-9	Bromomethane	4.89		2.0	0.40	0.21
75-15-0	Carbon disulfide	5.61		2.0	0.80	0.45

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 280-222940/7

Matrix: Water | Lab File ID: G2_0020.D

Analysis Method: 8260C | Date Collected:

Sample wt/vol: 20(mL) | Date Analyzed: 04/25/2014 19:28

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 222940 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	5.94		2.0	0.40	0.19
108-90-7	Chlorobenzene	5.30		1.0	0.20	0.17
74-97-5	Chlorobromomethane	5.41		1.0	0.40	0.10
124-48-1	Chlorodibromomethane	5.68		1.0	0.40	0.17
75-00-3	Chloroethane	5.02		2.0	1.6	0.41
67-66-3	Chloroform	5.41		1.0	0.20	0.16
74-87-3	Chloromethane	5.29		2.0	0.80	0.30
156-59-2	cis-1,2-Dichloroethene	5.29		1.0	0.20	0.15
10061-01-5	cis-1,3-Dichloropropene	5.50		1.0	0.20	0.16
110-82-7	Cyclohexane	5.26		2.0	0.40	0.28
74-95-3	Dibromomethane	5.53		1.0	0.40	0.17
75-27-4	Dichlorobromomethane	5.40		1.0	0.20	0.17
75-71-8	Dichlorodifluoromethane	5.30		2.0	0.80	0.31
100-41-4	Ethylbenzene	5.28		1.0	0.20	0.16
106-93-4	Ethylene Dibromide	5.37		1.0	0.40	0.18
87-68-3	Hexachlorobutadiene	5.51		1.0	0.40	0.36
98-82-8	Isopropylbenzene	5.52		1.0	0.40	0.19
79-20-9	Methyl acetate	26.9		5.0	2.0	1.6
1634-04-4	Methyl tert-butyl ether	5.68		5.0	0.40	0.25
108-87-2	Methylcyclohexane	5.31		2.0	0.40	0.36
75-09-2	Methylene Chloride	5.61		5.0	0.80	0.32
179601-23-1	m-Xylene & p-Xylene	5.26		2.0	0.80	0.34
91-20-3	Naphthalene	5.31		1.0	0.80	0.22
104-51-8	n-Butylbenzene	5.55		1.0	0.40	0.32
103-65-1	N-Propylbenzene	5.29		1.0	0.20	0.16
95-47-6	o-Xylene	5.38		1.0	0.40	0.19
135-98-8	sec-Butylbenzene	5.45		1.0	0.40	0.17
100-42-5	Styrene	5.46		1.0	0.40	0.17
98-06-6	tert-Butylbenzene	5.49		1.0	0.40	0.16
127-18-4	Tetrachloroethene	5.21		1.0	0.40	0.20
108-88-3	Toluene	5.43		1.0	0.40	0.17
156-60-5	trans-1,2-Dichloroethene	5.42		1.0	0.20	0.15
10061-02-6	trans-1,3-Dichloropropene	5.88		1.0	0.40	0.19
79-01-6	Trichloroethene	5.27		1.0	0.20	0.16
75-69-4	Trichlorofluoromethane	5.26		2.0	0.80	0.29
75-01-4	Vinyl chloride	5.27		1.5	0.40	0.10

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 280-222940/7

Matrix: Water Lab File ID: G2_0020.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 20(mL) Date Analyzed: 04/25/2014 19:28

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (60.25) ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 222940 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	108		70-120
460-00-4	4-Bromofluorobenzene (Surr)	105		75-120
1868-53-7	Dibromofluoromethane (Surr)	104		85-115
2037-26-5	Toluene-d8 (Surr)	102		85-120

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0020.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 25-Apr-2014 19:28:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 20.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Operator ID: DUKESA Instrument ID: VMS_G2

Method: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\AQ_VMSG2_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 28-Apr-2014 16:03:52 Calib Date: 14-Mar-2014 09:42:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_G2\20140314-20965.b\G2_8478.D

Column 1 : DB-624 (60.25) (0.25 mm) Det: MS SCAN
Process Host: XAWRK027

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.641	5.641	0.000	0	228006	250.0	250.0	
* 1 Fluorobenzene	96	7.570	7.570	0.000	98	1861029	12.5	12.5	
* 2 Chlorobenzene-d5	119	9.800	9.801	-0.001	83	413846	12.5	12.5	
* 3 1,4-Dichlorobenzene-d4	152	11.595	11.595	0.000	88	585668	12.5	12.5	
$ 5 Dibromofluoromethane (Surr	111	7.026	7.026	0.000	58	406649	10.0	10.4	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.312	7.312	0.000	91	370743	10.0	10.8	
$ 7 Toluene-d8 (Surr)	98	8.742	8.742	0.000	93	1801924	10.0	10.2	
$ 8 4-Bromofluorobenzene (Surr	95	10.651	10.651	0.000	86	577318	10.0	10.5	
25 Dichlorodifluoromethane	85	3.965	3.979	-0.014	87	289148	5.00	5.30	
27 Chloromethane	50	4.146	4.161	-0.015	89	277487	5.00	5.29	
28 Vinyl chloride	62	4.300	4.314	-0.014	83	285551	5.00	5.27	
31 Bromomethane	94	4.663	4.677	-0.014	89	180780	5.00	4.89	
32 Chloroethane	64	4.733	4.747	-0.014	94	173813	5.00	5.02	
33 Dichlorofluoromethane	67	4.873	4.887	-0.014	78	460749	5.00	5.25	
35 Trichlorofluoromethane	101	4.956	4.970	-0.014	82	394398	5.00	5.26	
38 Ethyl ether	59	5.138	5.124	0.014	89	116093	5.00	5.32	
41 Acrolein	56	5.264	5.250	0.014	87	58107	49.9	36.3	
42 Acetone	43	5.361	5.361	0.000	94	89176	20.0	24.2	
45 1,1-Dichloroethene	96	5.403	5.389	0.014	88	245759	5.00	5.38	
43 1,1,2-Trichloro-1,2,2-trif	151	5.389	5.389	0.000	86	202625	5.00	5.28	
47 Iodomethane	142	5.571	5.571	0.000	99	408084	5.00	5.79	
48 Methyl acetate	43	5.599	5.585	0.014	89	241135	25.0	26.9	
49 3-Chloro-1-propene	41	5.655	5.641	0.014	80	406396	5.00	5.34	
50 Carbon disulfide	76	5.683	5.669	0.014	99	1062792	5.00	5.61	
51 2-Methyl-2-propanol	59	5.697	5.683	0.014	25	73041	50.0	57.8	
52 Methylene Chloride	84	5.739	5.725	0.014	84	253186	5.00	5.61	
53 Acrylonitrile	53	5.878	5.864	0.014	99	246997	50.0	55.1	
54 Methyl tert-butyl ether	73	5.920	5.920	0.000	89	378374	5.00	5.68	
55 trans-1,2-Dichloroethene	96	5.962	5.948	0.014	94	273859	5.00	5.42	
56 Hexane	57	6.139	6.125	0.014	92	431016	5.00	5.26	
57 Vinyl acetate	43	6.211	6.197	0.014	90	404175	10.0	11.4	
59 1,1-Dichloroethane	63	6.275	6.261	0.014	85	471132	5.00	5.73	
62 2-Butanone (MEK)	43	6.640	6.640	0.000	98	133640	20.0	22.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
65 sec-Butyl Alcohol	45	6.683	6.661	0.022	71	128812	150.0	164.0	
66 cis-1,2-Dichloroethene	96	6.697	6.683	0.014	70	245534	5.00	5.29	
67 2,2-Dichloropropane	77	6.733	6.726	0.007	89	417340	5.00	6.04	
69 Chlorobromomethane	128	6.890	6.876	0.014	93	85137	5.00	5.41	
70 Chloroform	83	6.897	6.883	0.014	81	413608	5.00	5.41	
71 Tetrahydrofuran	42	6.926	6.912	0.014	78	35058	10.0	10.5	
72 Isobutyl alcohol	41	7.083	7.069	0.014	89	45297	125.0	347.3	
73 1,1,1-Trichloroethane	97	7.126	7.112	0.014	91	425248	5.00	5.68	
74 Cyclohexane	56	7.205	7.198	0.007	90	469523	5.00	5.26	
75 1,1-Dichloropropene	75	7.226	7.212	0.014	87	393551	5.00	5.79	
76 Carbon tetrachloride	117	7.269	7.255	0.014	74	389196	5.00	5.94	
77 1,2-Dichloroethane	62	7.369	7.355	0.014	85	224663	5.00	5.74	
79 Benzene	78	7.398	7.384	0.014	96	958629	5.00	5.12	
14 n-Heptane	43	7.484	7.469	0.015	90	421141	5.00	5.25	
81 Trichloroethene	95	7.856	7.841	0.015	93	260229	5.00	5.27	
82 2-Pentanone	43	7.877	7.870	0.007	97	189150	20.0	18.9	
84 1,2-Dichloropropane	63	8.034	8.020	0.014	91	215576	5.00	5.36	
85 Methylcyclohexane	55	8.056	8.049	0.007	91	385262	5.00	5.31	
86 1,4-Dioxane	88	8.084	8.070	0.014	53	12904	100.0	118.8	
87 Dibromomethane	93	8.127	8.120	0.007	86	80199	5.00	5.53	
88 Dichlorobromomethane	83	8.199	8.184	0.015	93	258206	5.00	5.40	
90 2-Chloroethyl vinyl ether	63	8.335	8.327	0.008	77	19344	5.00	4.00	
91 cis-1,3-Dichloropropene	75	8.513	8.506	0.007	87	307173	5.00	5.50	
92 4-Methyl-2-pentanone (MIBK	43	8.563	8.563	0.000	96	245226	20.0	21.2	
93 Toluene	91	8.792	8.785	0.007	98	1054633	5.00	5.43	
94 Ethyl methacrylate	69	8.871	8.864	0.007	91	122898	5.00	5.26	
95 trans-1,3-Dichloropropene	75	8.878	8.871	0.007	94	248327	5.00	5.88	
96 1,1,2-Trichloroethane	97	9.035	9.035	0.000	88	112860	5.00	5.57	
97 2-Hexanone	43	9.150	9.150	0.000	96	170978	20.0	21.4	
98 1,3-Dichloropropane	76	9.171	9.164	0.007	93	216122	5.00	5.44	
99 Tetrachloroethene	164	9.207	9.207	0.000	91	225851	5.00	5.21	
100 Chlorodibromomethane	129	9.364	9.357	0.007	87	146069	5.00	5.68	
102 Ethylene Dibromide	107	9.486	9.479	0.007	98	103262	5.00	5.37	
103 1-Chlorohexane	91	9.715	9.715	0.000	97	393037	5.00	5.41	
104 Chlorobenzene	112	9.822	9.822	0.000	93	655945	5.00	5.30	
105 1,1,1,2-Tetrachloroethane	131	9.858	9.858	0.000	90	207843	5.00	5.59	
106 Ethylbenzene	106	9.865	9.865	0.000	97	395115	5.00	5.28	
107 m-Xylene & p-Xylene	106	9.936	9.936	0.000	99	479586	5.00	5.26	
108 o-Xylene	106	10.251	10.251	0.000	89	439473	5.00	5.38	
109 Styrene	104	10.251	10.251	0.000	86	653965	5.00	5.46	
110 Bromoform	173	10.444	10.444	0.000	96	69256	5.00	5.69	
111 Isopropylbenzene	105	10.508	10.508	0.000	96	1260173	5.00	5.52	
113 Cyclohexanone	55	10.623	10.623	0.000	89	68361	200.0	205.3	
114 1,1,2,2-Tetrachloroethane	83	10.694	10.701	-0.007	60	110307	5.00	5.56	
115 trans-1,4-Dichloro-2-buten	53	10.730	10.730	0.000	74	30077	5.00	6.14	
116 1,2,3-Trichloropropane	110	10.766	10.766	0.000	83	34208	5.00	6.13	
118 N-Propylbenzene	120	10.823	10.823	0.000	96	344637	5.00	5.29	
117 Bromobenzene	156	10.816	10.823	-0.007	98	232968	5.00	5.37	
119 1,3,5-Trimethylbenzene	105	10.930	10.930	0.000	92	1010060	5.00	5.53	
120 2-Chlorotoluene	126	10.937	10.944	-0.007	95	281496	5.00	5.58	
121 4-Chlorotoluene	126	11.016	11.016	0.000	98	275659	5.00	5.46	
122 tert-Butylbenzene	119	11.223	11.223	0.000	87	1030603	5.00	5.49	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
123 1,2,4-Trimethylbenzene	105	11.245	11.252	-0.007	98	990264	5.00	5.57	
124 sec-Butylbenzene	134	11.395	11.402	-0.007	95	279573	5.00	5.45	
125 4-Isopropyltoluene	119	11.488	11.495	-0.007	95	1158793	5.00	5.57	
126 1,3-Dichlorobenzene	146	11.552	11.559	-0.007	89	489521	5.00	5.44	
127 1,4-Dichlorobenzene	146	11.617	11.624	-0.007	92	473685	5.00	5.35	
129 n-Butylbenzene	91	11.845	11.845	0.000	95	1067564	5.00	5.55	
130 1,2-Dichlorobenzene	146	11.967	11.974	-0.007	96	387991	5.00	5.46	
131 1,2-Dibromo-3-Chloropropan	157	12.689	12.696	-0.007	52	15240	5.00	5.45	
132 1,2,4-Trichlorobenzene	180	13.619	13.626	-0.007	93	262882	5.00	5.63	
133 Hexachlorobutadiene	225	13.769	13.783	-0.014	95	207695	5.00	5.51	
134 Naphthalene	128	13.969	13.976	-0.007	97	285439	5.00	5.31	
135 1,2,3-Trichlorobenzene	180	14.276	14.291	-0.015	94	193255	5.00	5.60	
147 Butadiene	54		0.000						
S 142 1,2-Dichloroethene, Total	96				0		10.0	10.7	
S 139 1,3-Dichloropropene, Total	1				0		10.0	11.4	
S 140 1,2-Dichloroethene, Total	1				0		10.0	10.7	
S 141 Xylenes, Total	106				0		10.0	10.6	
S 136 Trihalomethanes, Total	1				0		20.0	22.2	
S 137 Xylenes, Total (URS)	1				0		10.0	10.6	

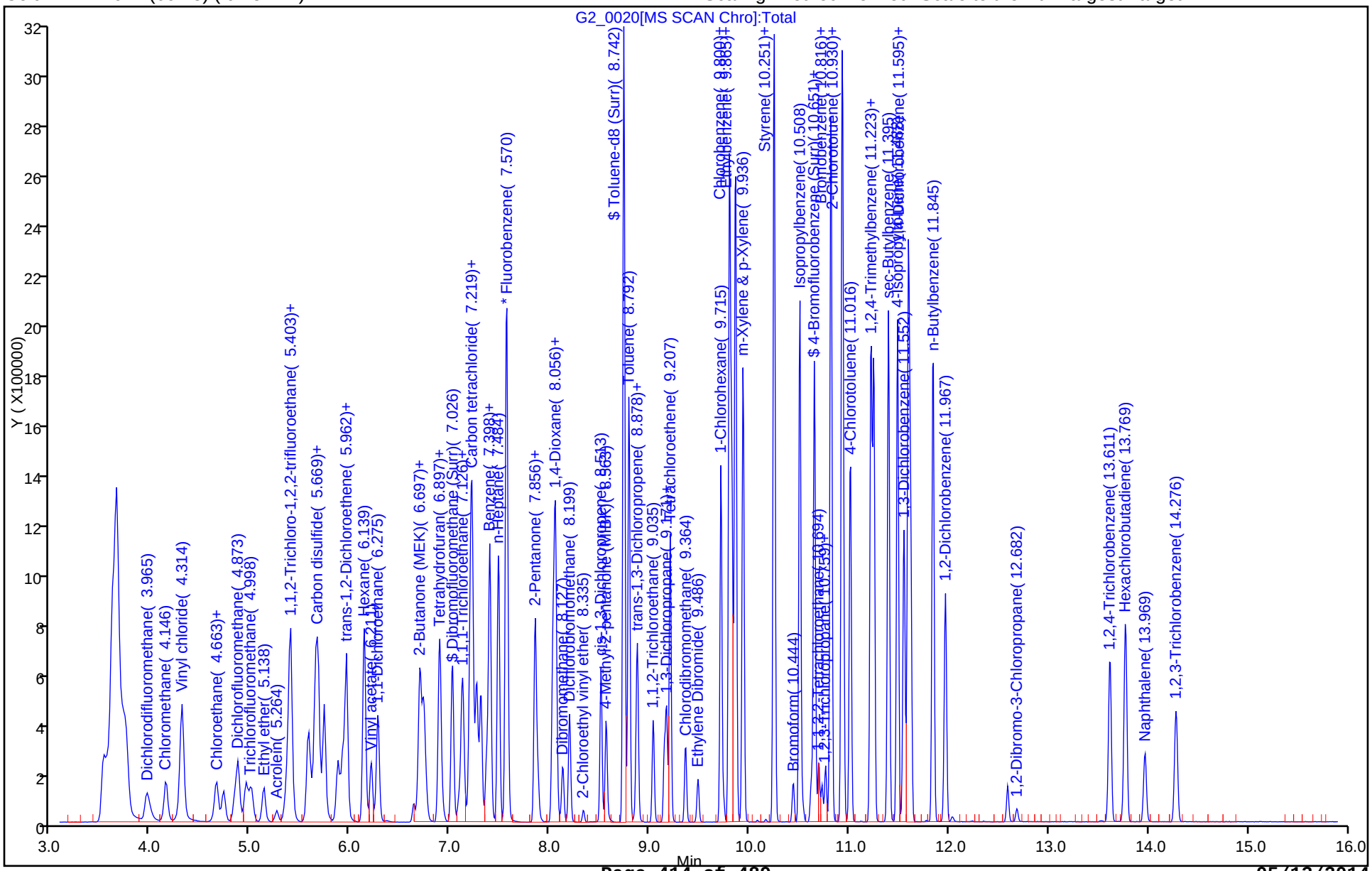
Report Date: 28-Apr-2014 16:05:12 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_G2\20140425-22517.b\G2_0020.D

Injection Date:	25-Apr-2014 19:28:30	Instrument ID:	VMS_G2	Operator ID:	DUKESA
Lims ID:	LCSD			Worklist Smp#:	7
Client ID:					
Purge Vol:	20.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	AQ_VMSG2_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (60.25) (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA MS | Lab Sample ID: 280-54473-1 MS

Matrix: Solid | Lab File ID: J1383.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 09:45

Sample wt/vol: 4.128(g) | Date Analyzed: 04/21/2014 20:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	74.9		7.5	1.5	0.84
71-55-6	1,1,1-Trichloroethane	74.1		7.5	1.5	0.78
79-34-5	1,1,2,2-Tetrachloroethane	69.4		7.5	1.5	0.91
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	72.5		30	30	0.67
79-00-5	1,1,2-Trichloroethane	69.5		7.5	1.5	1.3
75-34-3	1,1-Dichloroethane	74.5		7.5	1.2	0.31
75-35-4	1,1-Dichloroethene	71.5		7.5	1.5	0.88
563-58-6	1,1-Dichloropropene	76.7		7.5	1.5	0.81
87-61-6	1,2,3-Trichlorobenzene	69.5		7.5	1.5	1.1
96-18-4	1,2,3-Trichloropropane	1.5	U J	7.5	1.5	1.2
120-82-1	1,2,4-Trichlorobenzene	70.0		7.5	1.5	1.1
95-63-6	1,2,4-Trimethylbenzene	74.4		7.5	1.5	0.87
96-12-8	1,2-Dibromo-3-Chloropropane	66.9		15	1.5	0.90
95-50-1	1,2-Dichlorobenzene	74.1		7.5	1.5	0.67
107-06-2	1,2-Dichloroethane	74.3		7.5	1.5	1.0
78-87-5	1,2-Dichloropropane	70.5		7.5	1.5	0.82
108-67-8	1,3,5-Trimethylbenzene	75.7		7.5	1.5	0.85
541-73-1	1,3-Dichlorobenzene	74.5		7.5	1.5	0.72
142-28-9	1,3-Dichloropropane	68.2		7.5	1.5	0.76
106-46-7	1,4-Dichlorobenzene	74.1		7.5	1.5	1.2
123-91-1	1,4-Dioxane	1280		750	120	84
544-10-5	1-Chlorohexane	75.3		7.5	1.2	0.94
594-20-7	2,2-Dichloropropane	73.9		7.5	1.5	0.66
78-93-3	2-Butanone (MEK)	338		30	9.6	2.7
95-49-8	2-Chlorotoluene	75.3		7.5	1.5	0.76
591-78-6	2-Hexanone	277		30	15	7.3
106-43-4	4-Chlorotoluene	74.8		7.5	1.5	1.2
99-87-6	4-Isopropyltoluene	75.3		7.5	1.5	0.73
108-10-1	4-Methyl-2-pentanone (MIBK)	290		30	15	6.5
67-64-1	Acetone	295		30	15	8.1
71-43-2	Benzene	74.0		7.5	1.5	0.70
108-86-1	Bromobenzene	74.1		7.5	1.5	0.73
75-25-2	Bromoform	72.7		7.5	1.2	0.34
74-83-9	Bromomethane	84.0		15	1.5	0.75
75-15-0	Carbon disulfide	74.0		7.5	1.5	0.63

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA MS | Lab Sample ID: 280-54473-1 MS

Matrix: Solid | Lab File ID: J1383.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 09:45

Sample wt/vol: 4.128(g) | Date Analyzed: 04/21/2014 20:08

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	77.8		7.5	1.5	0.94
108-90-7	Chlorobenzene	73.7		7.5	1.5	0.81
74-97-5	Chlorobromomethane	72.7		7.5	1.5	0.45
124-48-1	Chlorodibromomethane	76.5		7.5	1.5	0.85
75-00-3	Chloroethane	82.8		15	1.5	1.3
67-66-3	Chloroform	74.3		15	1.5	0.43
74-87-3	Chloromethane	93.3		15	1.5	1.2
156-59-2	cis-1,2-Dichloroethene	72.4		7.5	1.5	0.84
10061-01-5	cis-1,3-Dichloropropene	74.3		7.5	3.0	1.9
110-82-7	Cyclohexane	71.7		7.5	2.4	0.60
74-95-3	Dibromomethane	70.2		7.5	1.5	1.3
75-27-4	Dichlorobromomethane	72.4		7.5	1.2	0.33
75-71-8	Dichlorodifluoromethane	98.1		15	1.5	0.78
100-41-4	Ethylbenzene	73.2		7.5	1.5	1.0
106-93-4	Ethylene Dibromide	71.2		7.5	1.5	0.78
87-68-3	Hexachlorobutadiene	74.8		7.5	1.5	0.82
98-82-8	Isopropylbenzene	75.7		7.5	1.5	0.88
79-20-9	Methyl acetate	321		13	6.0	4.1
1634-04-4	Methyl tert-butyl ether	72.2		30	1.5	0.51
108-87-2	Methylcyclohexane	74.8		7.5	1.2	0.63
75-09-2	Methylene Chloride	74.1		7.5	4.8	2.4
179601-23-1	m-Xylene & p-Xylene	73.4		4.8	3.0	1.6
91-20-3	Naphthalene	65.9		7.5	1.5	0.94
104-51-8	n-Butylbenzene	74.2		7.5	1.5	0.84
103-65-1	N-Propylbenzene	75.4		7.5	1.5	0.87
95-47-6	o-Xylene	76.5		7.5	1.5	0.91
135-98-8	sec-Butylbenzene	77.1		7.5	1.5	1.2
100-42-5	Styrene	79.5		7.5	1.5	0.94
98-06-6	tert-Butylbenzene	74.3		7.5	1.5	0.75
127-18-4	Tetrachloroethene	73.6		7.5	1.5	0.88
108-88-3	Toluene	73.5		7.5	1.5	1.0
156-60-5	trans-1,2-Dichloroethene	74.2		7.5	1.5	0.58
10061-02-6	trans-1,3-Dichloropropene	71.0		7.5	1.5	1.0
79-01-6	Trichloroethene	75.7		7.5	1.2	0.34
75-69-4	Trichlorofluoromethane	86.5		15	3.0	1.6
75-01-4	Vinyl chloride	89.9		7.5	3.0	2.0

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA MS Lab Sample ID: 280-54473-1 MS

Matrix: Solid Lab File ID: J1383.D

Analysis Method: 8260B/DoD Date Collected: 04/16/2014 09:45

Sample wt/vol: 4.128(g) Date Analyzed: 04/21/2014 20:08

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 Level: (low/med) Low

Analysis Batch No.: 222203 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		61-129
460-00-4	4-Bromofluorobenzene (Surr)	95		85-120
1868-53-7	Dibromofluoromethane (Surr)	98		71-126
2037-26-5	Toluene-d8 (Surr)	101		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1383.D
Lims ID: 280-54473-A-1-B MS
Client ID:
Sample Type: MS
Inject. Date: 21-Apr-2014 20:08:30 ALS Bottle#: 20 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 280-54473-a-1-b ms
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:33:43 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96		1.051						
* 150 TBA-d9 (IS)	65	5.957	5.944	0.013	59	720313	1000.0	1000.0	
* 1 Fluorobenzene	96	8.062	8.067	-0.005	98	1922824	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.777	10.764	0.013	73	471620	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.917	12.904	0.013	93	747413	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.471	7.471	0.000	55	572209	50.0	49.0	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.784	7.784	0.000	95	476635	50.0	45.5	
$ 7 Toluene-d8 (Surr)	98	9.437	9.437	0.000	84	1791205	50.0	50.5	
$ 8 4-Bromofluorobenzene (Surr	95	11.786	11.786	0.000	90	647288	50.0	47.3	
$ 151 a,a,a-Trifluorotoluene	1		0.000						
$ 4 BFB	95	4.478	5.017	-0.539	0	1148		NR	7
24 Chlorotrifluoroethene	116		4.084						
25 Dichlorodifluoromethane	85	4.147	4.152	-0.005	98	634570	50.0	65.5	
26 1,2-Dichloro-1,1,2,2-tetra	85		4.310						
27 Chloromethane	50	4.356	4.358	-0.002	100	658363	50.0	62.4	
28 Vinyl chloride	62	4.513	4.532	-0.019	98	553405	50.0	60.1	
147 Butadiene	54	4.530	4.532	-0.002	96	473244	50.0	61.2	
29 2-Chloro-1,1,1-Trifluoroet	118		4.554						
30 Ethylene oxide	43		4.826						
31 Bromomethane	94	4.896	4.897	-0.001	92	333686	50.0	56.1	
32 Chloroethane	64	4.965	4.967	-0.002	99	279135	50.0	55.3	
33 Dichlorofluoromethane	67	5.122	5.141	-0.019	94	862682	50.0	57.0	
35 Ethanol	45		5.244						
34 Trichlorofluoromethane	101	5.261	5.263	-0.002	98	643756	50.0	57.8	
36 1,2-Dichloro-1,1,2-trifluo	117		5.389						
37 Ethyl ether	59	5.400	5.405	-0.005	96	440644	50.0	43.2	
38 1,1,1-Trifluoro-2,2-dichlo	83		5.424						
39 Propene oxide	58		5.505						
40 Acrolein	56	5.557	5.544	0.013	89	382273	498.7	285.4	
41 Acetone	43	5.661	5.663	-0.002	98	537652	200.0	197.4	
42 1,1,2-Trichloro-1,2,2-trif	151	5.679	5.666	0.013	93	419344	50.0	48.4	
44 Isopropyl alcohol	45		5.679						
45 1,1-Dichloroethene	96	5.696	5.700	-0.004	96	481501	50.0	47.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Iodomethane	142	5.887	5.892	-0.005	99	1182130	50.0	51.9	
47 Acetonitrile	41	5.957	5.905	0.052	73	1015808		874.5	
48 Methyl acetate	43	5.905	5.909	-0.004	96	1591406	250.0	214.6	
49 3-Chloro-1-propene	41	5.957	5.961	-0.004	87	1015817	50.0	45.7	
51 Carbon disulfide	76	5.992	5.979	0.013	99	2335708	50.0	49.4	
50 2-Methyl-2-propanol	59	6.027	6.014	0.013	53	464772	500.0	513.7	
52 Methylene Chloride	84	6.061	6.066	-0.005	91	617913	50.0	49.5	
53 Acrylonitrile	53	6.218	6.222	-0.004	99	1503200	500.0	461.7	
54 Methyl tert-butyl ether	73	6.253	6.257	-0.004	96	1194875	50.0	48.2	
55 trans-1,2-Dichloroethene	96	6.305	6.292	0.013	95	529211	50.0	49.6	
56 Hexane	57	6.479	6.466	0.013	92	916145	50.0	46.5	
57 Vinyl acetate	43	6.566	6.570	-0.004	96	2072576	100.0	111.0	
58 Isopropyl ether	87	6.636	6.584	0.052	1	14665		2.02	
59 1,1-Dichloroethane	63	6.636	6.640	-0.004	96	1050220	50.0	49.8	
60 2-Chloro-1,3-butadiene	53		6.723						
61 Tert-butyl ethyl ether	59		6.897						
62 Ethyl acetate	43	7.053	7.036	0.017	70	1056427		169.7	
63 2-Butanone (MEK)	43	7.053	7.055	-0.002	99	1053483	200.0	225.6	
64 sec-Butyl Alcohol	45	7.088	7.092	-0.004	99	1167950	1500.0	1558.6	
66 Propionitrile	54		7.106						
65 cis-1,2-Dichloroethene	96	7.105	7.110	-0.005	85	557229	50.0	48.4	
67 2,2-Dichloropropane	77	7.140	7.145	-0.005	89	677557	50.0	49.4	
68 Methacrylonitrile	41		7.245						
69 Chlorobromomethane	128	7.314	7.319	-0.005	92	300771	50.0	48.6	
70 Chloroform	83	7.332	7.336	-0.004	94	876836	50.0	49.7	
71 Tetrahydrofuran	42	7.349	7.353	-0.004	89	238500	100.0	91.3	
73 1,1,1-Trichloroethane	97	7.558	7.562	-0.004	91	635012	50.0	49.5	
72 Isobutyl alcohol	41	7.645	7.632	0.013	98	573502	1250.0	573.6	
74 Cyclohexane	56	7.645	7.649	-0.004	93	1022222	50.0	47.9	
75 1,1-Dichloropropene	75	7.680	7.667	0.013	95	743309	50.0	51.3	
76 Carbon tetrachloride	117	7.714	7.719	-0.005	77	629910	50.0	52.0	
78 Tert-amyl methyl ether	73		7.854						
77 1,2-Dichloroethane	62	7.854	7.858	-0.004	91	581059	50.0	49.6	
79 Benzene	78	7.871	7.875	-0.004	96	2082646	50.0	49.4	
14 n-Heptane	43	7.958	7.945	0.013	94	972743	50.0	47.1	
80 n-Butanol	56	8.062	8.080	-0.018	3	13999		30.4	
148 Ethyl acrylate	55	8.236	8.306	-0.070	0	347		0.0292	
81 Trichloroethene	130	8.375	8.380	-0.005	95	600770	50.0	50.6	
82 2-Pentanone	43	8.428	8.415	0.013	99	1324120	200.0	172.9	
83 Methyl methacrylate	100	8.584	8.532	0.052	58	1899		0.9049	
85 Methylcyclohexane	55	8.584	8.589	-0.005	92	827082	50.0	50.0	
84 1,2-Dichloropropane	63	8.584	8.589	-0.005	91	605593	50.0	47.1	
86 1,4-Dioxane	88	8.654	8.641	0.013	80	85358	1000.0	857.2	
87 Dibromomethane	93	8.706	8.711	-0.005	86	309576	50.0	46.9	
88 Dichlorobromomethane	83	8.776	8.780	-0.004	95	631965	50.0	48.4	
90 2-Nitropropane	41	8.950	8.950	0.000	43	10610		5.02	
89 2-Chloroethyl vinyl ether	63	8.950	8.954	-0.004	91	307807	50.0	51.8	
91 cis-1,3-Dichloropropene	75	9.158	9.163	-0.005	90	840474	50.0	49.7	
92 4-Methyl-2-pentanone (MIBK	43	9.228	9.230	-0.002	96	1928400	200.0	193.7	
93 Toluene	91	9.506	9.494	0.012	91	1922548	50.0	49.1	
94 Ethyl methacrylate	69	9.611	9.598	0.013	89	572497	50.0	51.4	
95 trans-1,3-Dichloropropene	75	9.628	9.615	0.013	97	663055	50.0	47.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 1,1,2-Trichloroethane	97	9.837	9.824	0.013	91	367605	50.0	46.5	
97 2-Hexanone	43	9.976	9.978	-0.002	97	1371909	200.0	185.0	
98 1,3-Dichloropropane	76	10.011	9.998	0.013	97	668774	50.0	45.6	
144 n-Butyl acetate	43	9.976	10.029	-0.053	72	1371121		111.7	
99 Tetrachloroethene	164	10.028	10.033	-0.005	96	451107	50.0	49.2	
100 Chlorodibromomethane	129	10.255	10.242	0.013	86	515245	50.0	51.1	
101 Tetrahydrothiophene	60		10.290						
102 Ethylene Dibromide	107	10.394	10.398	-0.004	99	416509	50.0	47.6	
103 1-Chlorohexane	91	10.672	10.659	0.013	98	752652	50.0	50.3	
104 Chlorobenzene	112	10.794	10.799	-0.004	92	1384539	50.0	49.2	
105 Ethylbenzene	106	10.846	10.833	0.013	98	686775	50.0	48.9	
106 1,1,1,2-Tetrachloroethane	131	10.846	10.833	0.013	42	485387	50.0	50.1	
107 m-Xylene & p-Xylene	91	10.933	10.920	0.013	100	1675614	50.0	49.1	
108 Styrene	104	11.299	11.303	-0.004	86	1407076	50.0	53.1	
109 o-Xylene	106	11.299	11.303	-0.004	84	841658	50.0	51.2	
110 Bromoform	173	11.542	11.529	0.013	97	318304	50.0	48.6	
111 Isopropylbenzene	105	11.612	11.599	0.013	95	2212291	50.0	50.6	
112 cis-1,4-Dichloro-2-butene	53	11.612	11.647	-0.035	25	31838		10.0	
113 Cyclohexanone	55	11.751	11.753	-0.002	92	710693	2000.0	1796.4	
114 1,1,2,2-Tetrachloroethane	83	11.855	11.842	0.013	79	533041	50.0	46.4	
115 trans-1,4-Dichloro-2-buten	53	11.890	11.895	-0.005	80	145421	50.0	47.3	
116 1,2,3-Trichloropropane	110	11.977	11.929	0.048	14	880	50.0	0.3341	
117 N-Propylbenzene	120	11.977	11.982	-0.005	94	633167	50.0	50.4	
118 Bromobenzene	156	11.977	11.982	-0.005	60	630624	50.0	49.5	
119 1,3,5-Trimethylbenzene	105	12.116	12.121	-0.005	91	1777486	50.0	50.6	
120 2-Chlorotoluene	126	12.134	12.121	0.013	98	569852	50.0	50.3	
121 4-Chlorotoluene	126	12.221	12.208	0.013	96	582345	50.0	50.0	
122 tert-Butylbenzene	119	12.464	12.469	-0.005	89	1858780	50.0	49.6	
123 1,2,4-Trimethylbenzene	105	12.499	12.504	-0.005	90	1793299	50.0	49.7	
124 sec-Butylbenzene	134	12.673	12.678	-0.005	94	503549	50.0	51.5	
125 4-Isopropyltoluene	119	12.778	12.782	-0.004	95	2123394	50.0	50.3	
126 1,3-Dichlorobenzene	146	12.865	12.852	0.013	98	1180726	50.0	49.8	
127 1,2,3-Trimethylbenzene	105		12.935						
128 1,4-Dichlorobenzene	146	12.934	12.939	-0.005	95	1188223	50.0	49.5	
146 Benzyl chloride	126		13.039						
129 n-Butylbenzene	91	13.195	13.200	-0.005	96	1944455	50.0	49.6	
130 1,2-Dichlorobenzene	146	13.352	13.339	0.013	98	1083177	50.0	49.5	
131 1,2-Dibromo-3-Chloropropan	157	14.204	14.191	0.013	91	96292	50.0	44.7	
16 1,3,5-Trichlorobenzene	180		14.448						
132 1,2,4-Trichlorobenzene	180	15.266	15.253	0.013	94	703032	50.0	46.7	
133 Hexachlorobutadiene	225	15.440	15.427	0.013	96	393620	50.0	50.0	
134 Naphthalene	128	15.666	15.653	0.013	96	1366203	50.0	44.0	
135 1,2,3-Trichlorobenzene	180	16.014	16.018	-0.004	96	608984	50.0	46.4	
18 3,3-Dimethylpentane	1		0.000						
21 2-Butoxyethanol TIC	1		0.000						
13 2,2-Dimethylpentane	1		0.000						
15 Dimethyl disulfide	1		0.000						
11 2,3-Dimethylpentane	1		0.000						
10 n-Nonyl Aldehyde	1		0.000						
12 2,2,3-Trimethylbutane	1		0.000						
143 Pentachloroethane	167		0.000						
9 2,4-Dimethylpentane	1		0.000						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
19 3-Methylhexane	1		0.000						
20 2-Methylhexane	1		0.000						
17 3-Ethylpentane	1		0.000						
22 2,3-dichloro-1-propene TIC	75		1.000						
23 Dichloroacetonitrile TIC	74		1.000						
145 2-Methylnaphthalene	142		5.393						
43 Propene oxide TIC	58		5.526						
S 142 1,2-Dichloroethene, Total	96				0		100.0	98.0	
S 136 Trihalomethanes, Total	1				0		200.0	197.8	
S 137 Xylenes, Total (URS)	1				0		100.0	100.2	
S 138 Total BTEX	1				0			247.7	
S 139 1,3-Dichloropropene, Total	1				0		100.0	97.1	
S 140 1,2-Dichloroethene, Total	1				0		100.0	98.0	
S 141 Xylenes, Total	106				0		100.0	100.2	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Report Date: 22-Apr-2014 16:34:05 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1383.D

Injection Date: 21-Apr-2014 20:08:30 Instrument ID: VMS_J Operator ID: DUKESA

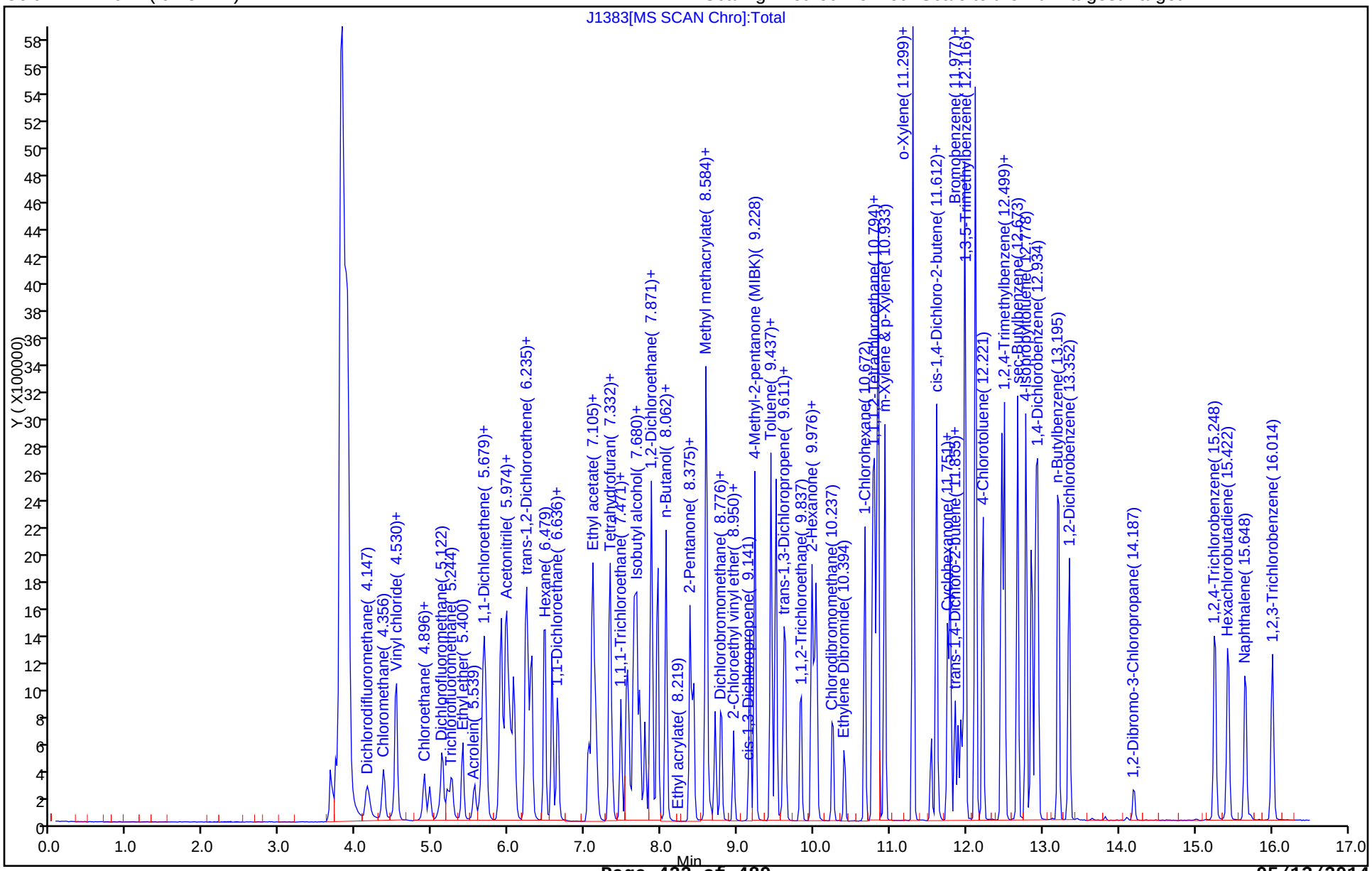
Lims ID: 280-54473-A-1-B MS Worklist Smp#: 13

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 20

Method: SO_VMSJ_8260 Limit Group: MSV - 8260B Water and Solid

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA MSD | Lab Sample ID: 280-54473-1 MSD

Matrix: Solid | Lab File ID: J1384.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 09:45

Sample wt/vol: 5.044(g) | Date Analyzed: 04/21/2014 20:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	61.7		6.1	1.2	0.69
71-55-6	1,1,1-Trichloroethane	60.2		6.1	1.2	0.64
79-34-5	1,1,2,2-Tetrachloroethane	55.9		6.1	1.2	0.75
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	59.8		24	24	0.55
79-00-5	1,1,2-Trichloroethane	55.9		6.1	1.2	1.1
75-34-3	1,1-Dichloroethane	59.1		6.1	0.98	0.26
75-35-4	1,1-Dichloroethene	58.9		6.1	1.2	0.72
563-58-6	1,1-Dichloropropene	62.2		6.1	1.2	0.66
87-61-6	1,2,3-Trichlorobenzene	53.9		6.1	1.2	0.92
96-18-4	1,2,3-Trichloropropane	58.3	J	6.1	1.2	0.99
120-82-1	1,2,4-Trichlorobenzene	54.6		6.1	1.2	0.89
95-63-6	1,2,4-Trimethylbenzene	60.6		6.1	1.2	0.71
96-12-8	1,2-Dibromo-3-Chloropropane	55.2		12	1.2	0.73
95-50-1	1,2-Dichlorobenzene	58.8		6.1	1.2	0.55
107-06-2	1,2-Dichloroethane	60.0		6.1	1.2	0.86
78-87-5	1,2-Dichloropropane	55.8		6.1	1.2	0.67
108-67-8	1,3,5-Trimethylbenzene	61.4		6.1	1.2	0.70
541-73-1	1,3-Dichlorobenzene	59.5		6.1	1.2	0.59
142-28-9	1,3-Dichloropropane	55.1		6.1	1.2	0.62
106-46-7	1,4-Dichlorobenzene	59.9		6.1	1.2	0.96
123-91-1	1,4-Dioxane	1060		610	98	69
544-10-5	1-Chlorohexane	60.8		6.1	0.98	0.77
594-20-7	2,2-Dichloropropane	59.3		6.1	1.2	0.54
78-93-3	2-Butanone (MEK)	260		24	7.8	2.2
95-49-8	2-Chlorotoluene	60.6		6.1	1.2	0.62
591-78-6	2-Hexanone	213		24	12	6.0
106-43-4	4-Chlorotoluene	60.3		6.1	1.2	0.96
99-87-6	4-Isopropyltoluene	61.1		6.1	1.2	0.60
108-10-1	4-Methyl-2-pentanone (MIBK)	221		24	12	5.3
67-64-1	Acetone	230		24	12	6.6
71-43-2	Benzene	60.5		6.1	1.2	0.58
108-86-1	Bromobenzene	60.3		6.1	1.2	0.60
75-25-2	Bromoform	58.2		6.1	0.98	0.28
74-83-9	Bromomethane	60.6	J	12	1.2	0.61
75-15-0	Carbon disulfide	60.4		6.1	1.2	0.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA MSD | Lab Sample ID: 280-54473-1 MSD

Matrix: Solid | Lab File ID: J1384.D

Analysis Method: 8260B/DoD | Date Collected: 04/16/2014 09:45

Sample wt/vol: 5.044(g) | Date Analyzed: 04/21/2014 20:29

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 | Level: (low/med) Low

Analysis Batch No.: 222203 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	63.0		6.1	1.2	0.77
108-90-7	Chlorobenzene	59.6		6.1	1.2	0.66
74-97-5	Chlorobromomethane	59.0		6.1	1.2	0.37
124-48-1	Chlorodibromomethane	61.8		6.1	1.2	0.70
75-00-3	Chloroethane	60.5	J	12	1.2	1.1
67-66-3	Chloroform	60.9		12	1.2	0.36
74-87-3	Chloromethane	69.4		12	1.2	0.94
156-59-2	cis-1,2-Dichloroethene	58.0		6.1	1.2	0.69
10061-01-5	cis-1,3-Dichloropropene	60.3		6.1	2.4	1.6
110-82-7	Cyclohexane	58.5		6.1	2.0	0.49
74-95-3	Dibromomethane	55.1		6.1	1.2	1.0
75-27-4	Dichlorobromomethane	59.2		6.1	0.98	0.27
75-71-8	Dichlorodifluoromethane	67.4	J	12	1.2	0.64
100-41-4	Ethylbenzene	59.3		6.1	1.2	0.82
106-93-4	Ethylene Dibromide	56.6		6.1	1.2	0.64
87-68-3	Hexachlorobutadiene	59.3		6.1	1.2	0.67
98-82-8	Isopropylbenzene	61.5		6.1	1.2	0.72
79-20-9	Methyl acetate	251		10	4.9	3.4
1634-04-4	Methyl tert-butyl ether	58.6		24	1.2	0.42
108-87-2	Methylcyclohexane	59.6		6.1	0.98	0.51
75-09-2	Methylene Chloride	60.8		6.1	3.9	2.0
179601-23-1	m-Xylene & p-Xylene	59.4		3.9	2.4	1.3
91-20-3	Naphthalene	52.0		6.1	1.2	0.77
104-51-8	n-Butylbenzene	59.7		6.1	1.2	0.69
103-65-1	N-Propylbenzene	61.7		6.1	1.2	0.71
95-47-6	o-Xylene	62.0		6.1	1.2	0.75
135-98-8	sec-Butylbenzene	61.9		6.1	1.2	0.94
100-42-5	Styrene	63.7		6.1	1.2	0.77
98-06-6	tert-Butylbenzene	60.6		6.1	1.2	0.61
127-18-4	Tetrachloroethene	61.1		6.1	1.2	0.72
108-88-3	Toluene	59.1		6.1	1.2	0.85
156-60-5	trans-1,2-Dichloroethene	60.7		6.1	1.2	0.48
10061-02-6	trans-1,3-Dichloropropene	57.3		6.1	1.2	0.82
79-01-6	Trichloroethene	62.0		6.1	0.98	0.28
75-69-4	Trichlorofluoromethane	61.1	J	12	2.4	1.3
75-01-4	Vinyl chloride	61.8	J	6.1	2.4	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Client Sample ID: AOI72BT0106AA MSD Lab Sample ID: 280-54473-1 MSD

Matrix: Solid Lab File ID: J1384.D

Analysis Method: 8260B/DoD Date Collected: 04/16/2014 09:45

Sample wt/vol: 5.044(g) Date Analyzed: 04/21/2014 20:29

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 19.1 Level: (low/med) Low

Analysis Batch No.: 222203 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		61-129
460-00-4	4-Bromofluorobenzene (Surr)	92		85-120
1868-53-7	Dibromofluoromethane (Surr)	95		71-126
2037-26-5	Toluene-d8 (Surr)	99		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1384.D
Lims ID: 280-54473-A-1-C MSD
Client ID:
Sample Type: MSD
Inject. Date: 21-Apr-2014 20:29:30 ALS Bottle#: 21 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 280-54473-a-1-c msd
Operator ID: DUKESA Instrument ID: VMS_J

Method: \\Denchrom\ChromData\VMS_J\20140421-22330.b\SO_VMSJ_8260.m
Limit Group: MSV - 8260B Water and Solid
Last Update: 22-Apr-2014 16:33:43 Calib Date: 17-Apr-2014 19:23:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20140417-22215.b\J1307.D

Column 1 : DB-624 (0.25 mm) Det: MS SCAN
Process Host: XAWRK001

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96		1.051						
* 150 TBA-d9 (IS)	65	5.946	5.944	0.002	73	759479	1000.0	1000.0	
* 1 Fluorobenzene	96	8.069	8.067	0.002	98	2035090	50.0	50.0	
* 2 Chlorobenzene-d5	119	10.766	10.764	0.002	82	494138	50.0	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.906	12.904	0.002	95	777646	50.0	50.0	
$ 5 Dibromofluoromethane (Surr	111	7.478	7.471	0.007	55	589571	50.0	47.7	
$ 6 1,2-Dichloroethane-d4 (Sur	65	7.791	7.784	0.007	85	470859	50.0	42.5	
$ 7 Toluene-d8 (Surr)	98	9.444	9.437	0.007	83	1848048	50.0	49.7	
$ 8 4-Bromofluorobenzene (Surr	95	11.793	11.786	0.007	91	658268	50.0	46.2	
$ 151 a,a,a-Trifluorotoluene	1		0.000						
$ 4 BFB	95	5.076	5.017	0.059	0	681		NR	7
24 Chlorotrifluoroethene	116		4.084						
25 Dichlorodifluoromethane	85	4.154	4.152	0.002	97	561338	50.0	55.0	
26 1,2-Dichloro-1,1,2,2-tetra	85		4.310						
27 Chloromethane	50	4.363	4.358	0.005	100	633368	50.0	56.7	
28 Vinyl chloride	62	4.520	4.532	-0.012	98	492288	50.0	50.5	
147 Butadiene	54	4.537	4.532	0.005	96	425568	50.0	52.0	
29 2-Chloro-1,1,1-Trifluoroet	118		4.554						
30 Ethylene oxide	43		4.826						
31 Bromomethane	94	4.902	4.897	0.005	91	311414	50.0	49.5	
32 Chloroethane	64	4.972	4.967	0.005	98	263834	50.0	49.4	
33 Dichlorofluoromethane	67	5.129	5.141	-0.012	94	799678	50.0	49.9	
35 Ethanol	45		5.244						
34 Trichlorofluoromethane	101	5.250	5.263	-0.013	97	588702	50.0	49.9	
36 1,2-Dichloro-1,1,2-trifluo	117		5.389						
37 Ethyl ether	59	5.390	5.405	-0.015	96	457631	50.0	42.4	
38 1,1,1-Trifluoro-2,2-dichlo	83		5.424						
39 Propene oxide	58		5.505						
40 Acrolein	56	5.546	5.544	0.002	89	397888	498.7	280.7	
41 Acetone	43	5.651	5.663	-0.012	100	541488	200.0	187.6	
42 1,1,2-Trichloro-1,2,2-trif	151	5.668	5.666	0.002	95	447724	50.0	48.8	
44 Isopropyl alcohol	45		5.679						
45 1,1-Dichloroethene	96	5.703	5.700	0.003	96	512916	50.0	48.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
46 Iodomethane	142	5.894	5.892	0.002	99	1253648	50.0	52.0	
47 Acetonitrile	41	5.964	5.905	0.059	73	1040791		846.5	
48 Methyl acetate	43	5.912	5.909	0.003	96	1611171	250.0	205.3	
49 3-Chloro-1-propene	41	5.964	5.961	0.003	85	1040791	50.0	44.2	
51 Carbon disulfide	76	5.981	5.979	0.002	97	2467129	50.0	49.3	
50 2-Methyl-2-propanol	59	6.016	6.014	0.002	94	491923	500.0	515.7	
52 Methylene Chloride	84	6.068	6.066	0.002	91	655776	50.0	49.7	
53 Acrylonitrile	53	6.225	6.222	0.003	99	1559173	500.0	452.5	
54 Methyl tert-butyl ether	73	6.260	6.257	0.003	96	1254135	50.0	47.8	
55 trans-1,2-Dichloroethene	96	6.294	6.292	0.002	94	559286	50.0	49.5	
56 Hexane	57	6.468	6.466	0.002	93	935987	50.0	45.3	
57 Vinyl acetate	43	6.573	6.570	0.003	96	2072230	100.0	104.9	
58 Isopropyl ether	87	6.642	6.584	0.058	1	21233		2.76	
59 1,1-Dichloroethane	63	6.642	6.640	0.002	97	1077200	50.0	48.3	
60 2-Chloro-1,3-butadiene	53		6.723						
61 Tert-butyl ethyl ether	59		6.897						
62 Ethyl acetate	43	7.043	7.036	0.007	86	1055646		160.2	
63 2-Butanone (MEK)	43	7.043	7.055	-0.012	97	1050773	200.0	212.5	
64 sec-Butyl Alcohol	45	7.095	7.092	0.003	98	1225586	1500.0	1551.2	
66 Propionitrile	54		7.106						
65 cis-1,2-Dichloroethene	96	7.112	7.110	0.002	83	576820	50.0	47.3	
67 2,2-Dichloropropane	77	7.147	7.145	0.002	90	703451	50.0	48.4	
68 Methacrylonitrile	41		7.245						
69 Chlorobromomethane	128	7.321	7.319	0.002	92	315285	50.0	48.2	
70 Chloroform	83	7.338	7.336	0.002	95	929150	50.0	49.7	
71 Tetrahydrofuran	42	7.356	7.353	0.003	90	241408	100.0	87.3	
73 1,1,1-Trichloroethane	97	7.565	7.562	0.003	91	666802	50.0	49.1	
72 Isobutyl alcohol	41	7.634	7.632	0.002	96	585289	1250.0	555.2	
74 Cyclohexane	56	7.652	7.649	0.003	93	1079830	50.0	47.8	
75 1,1-Dichloropropene	75	7.669	7.667	0.002	87	779324	50.0	50.8	
76 Carbon tetrachloride	117	7.721	7.719	0.002	77	659640	50.0	51.4	
78 Tert-amyl methyl ether	73		7.854						
77 1,2-Dichloroethane	62	7.843	7.858	-0.015	94	607181	50.0	49.0	
79 Benzene	78	7.878	7.875	0.003	95	2203176	50.0	49.4	
14 n-Heptane	43	7.947	7.945	0.002	95	990527	50.0	45.3	
80 n-Butanol	56		8.080						
148 Ethyl acrylate	55	8.330	8.306	0.024	0	674		0.0536	
81 Trichloroethene	130	8.382	8.380	0.002	94	635532	50.0	50.6	
82 2-Pentanone	43	8.417	8.415	0.002	98	1359289	200.0	167.7	
83 Methyl methacrylate	100	8.591	8.532	0.059	65	2732		1.23	
85 Methylcyclohexane	55	8.591	8.589	0.002	94	852674	50.0	48.7	
84 1,2-Dichloropropane	63	8.591	8.589	0.002	87	619909	50.0	45.5	
86 1,4-Dioxane	88	8.643	8.641	0.002	93	91169	1000.0	865.1	
87 Dibromomethane	93	8.713	8.711	0.002	82	314654	50.0	45.0	
88 Dichlorobromomethane	83	8.783	8.780	0.003	94	667837	50.0	48.3	
90 2-Nitropropane	41	8.939	8.950	-0.011	46	11699		5.27	
89 2-Chloroethyl vinyl ether	63	8.939	8.954	-0.015	91	304467	50.0	48.4	
91 cis-1,3-Dichloropropene	75	9.165	9.163	0.002	91	873370	50.0	49.2	
92 4-Methyl-2-pentanone (MIBK	43	9.235	9.230	0.005	91	1908029	200.0	180.8	
93 Toluene	91	9.496	9.494	0.002	92	2000957	50.0	48.3	
94 Ethyl methacrylate	69	9.600	9.598	0.002	91	592696	50.0	50.8	
95 trans-1,3-Dichloropropene	75	9.618	9.615	0.003	98	692277	50.0	46.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
96 1,1,2-Trichloroethane	97	9.826	9.824	0.002	91	382239	50.0	45.7	
97 2-Hexanone	43	9.966	9.978	-0.012	98	1353578	200.0	173.7	
98 1,3-Dichloropropane	76	10.000	9.998	0.002	92	690998	50.0	45.0	
144 n-Butyl acetate	43	9.966	10.029	-0.063	73	1348751		103.4	
99 Tetrachloroethene	164	10.035	10.033	0.002	98	479351	50.0	49.9	
100 Chlorodibromomethane	129	10.244	10.242	0.002	86	533097	50.0	50.5	
101 Tetrahydrothiophene	60		10.290						
102 Ethylene Dibromide	107	10.401	10.398	0.003	99	423566	50.0	46.2	
103 1-Chlorohexane	91	10.662	10.659	0.003	98	777389	50.0	49.6	
104 Chlorobenzene	112	10.801	10.799	0.003	95	1433201	50.0	48.6	
105 Ethylbenzene	106	10.836	10.833	0.003	99	712339	50.0	48.5	
106 1,1,1,2-Tetrachloroethane	131	10.836	10.833	0.003	46	511993	50.0	50.4	
107 m-Xylene & p-Xylene	91	10.923	10.920	0.003	100	1734342	50.0	48.5	
108 Styrene	104	11.305	11.303	0.002	89	1443983	50.0	52.0	
109 o-Xylene	106	11.305	11.303	0.002	84	873069	50.0	50.6	
110 Bromoform	173	11.532	11.529	0.003	93	326058	50.0	47.5	
111 Isopropylbenzene	105	11.601	11.599	0.002	97	2284668	50.0	50.2	
112 cis-1,4-Dichloro-2-butene	53	11.601	11.647	-0.046	16	32492		9.83	
113 Cyclohexanone	55	11.758	11.753	0.005	91	792213	2000.0	1908.5	
114 1,1,2,2-Tetrachloroethane	83	11.845	11.842	0.003	91	545641	50.0	45.6	
115 trans-1,4-Dichloro-2-buten	53	11.897	11.895	0.002	87	144734	50.0	45.2	
116 1,2,3-Trichloropropane	110	11.932	11.929	0.003	79	130542	50.0	47.6	
117 N-Propylbenzene	120	11.984	11.982	0.002	95	658409	50.0	50.4	
118 Bromobenzene	156	11.984	11.982	0.002	49	652446	50.0	49.2	
119 1,3,5-Trimethylbenzene	105	12.123	12.121	0.002	89	1833738	50.0	50.1	
120 2-Chlorotoluene	126	12.123	12.121	0.002	95	583213	50.0	49.5	
121 4-Chlorotoluene	126	12.210	12.208	0.002	98	596993	50.0	49.3	
122 tert-Butylbenzene	119	12.454	12.469	-0.015	93	1926625	50.0	49.4	
123 1,2,4-Trimethylbenzene	105	12.506	12.504	0.002	89	1855340	50.0	49.5	
124 sec-Butylbenzene	134	12.680	12.678	0.002	93	513880	50.0	50.5	
125 4-Isopropyltoluene	119	12.784	12.782	0.002	94	2190560	50.0	49.9	
126 1,3-Dichlorobenzene	146	12.854	12.852	0.002	87	1198180	50.0	48.6	
127 1,2,3-Trimethylbenzene	105		12.935						
128 1,4-Dichlorobenzene	146	12.941	12.939	0.002	97	1221332	50.0	48.9	
146 Benzyl chloride	126		13.039						
129 n-Butylbenzene	91	13.202	13.200	0.002	95	1988759	50.0	48.8	
130 1,2-Dichlorobenzene	146	13.341	13.339	0.002	98	1092931	50.0	48.0	
131 1,2-Dibromo-3-Chloropropan	157	14.194	14.191	0.003	86	101007	50.0	45.0	
16 1,3,5-Trichlorobenzene	180		14.448						
132 1,2,4-Trichlorobenzene	180	15.255	15.253	0.002	94	697140	50.0	44.6	
133 Hexachlorobutadiene	225	15.429	15.427	0.002	96	396789	50.0	48.4	
134 Naphthalene	128	15.655	15.653	0.002	96	1371065	50.0	42.5	
135 1,2,3-Trichlorobenzene	180	16.021	16.018	0.003	94	601155	50.0	44.0	
18 3,3-Dimethylpentane	1		0.000						
21 2-Butoxyethanol TIC	1		0.000						
13 2,2-Dimethylpentane	1		0.000						
15 Dimethyl disulfide	1		0.000						
11 2,3-Dimethylpentane	1		0.000						
10 n-Nonyl Aldehyde	1		0.000						
12 2,2,3-Trimethylbutane	1		0.000						
143 Pentachloroethane	167		0.000						
9 2,4-Dimethylpentane	1		0.000						

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
19 3-Methylhexane	1		0.000						
20 2-Methylhexane	1		0.000						
17 3-Ethylpentane	1		0.000						
22 2,3-dichloro-1-propene TIC	75		1.000						
23 Dichloroacetonitrile TIC	74		1.000						
145 2-Methylnaphthalene	142		5.393						
43 Propene oxide TIC	58		5.526						
S 142 1,2-Dichloroethene, Total	96				0		100.0	96.9	
S 136 Trihalomethanes, Total	1				0		200.0	196.1	
S 137 Xylenes, Total (URS)	1				0		100.0	99.1	
S 138 Total BTEX	1				0			245.3	
S 139 1,3-Dichloropropene, Total	1				0		100.0	96.1	
S 140 1,2-Dichloroethene, Total	1				0		100.0	96.9	
S 141 Xylenes, Total	106				0		100.0	99.1	

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

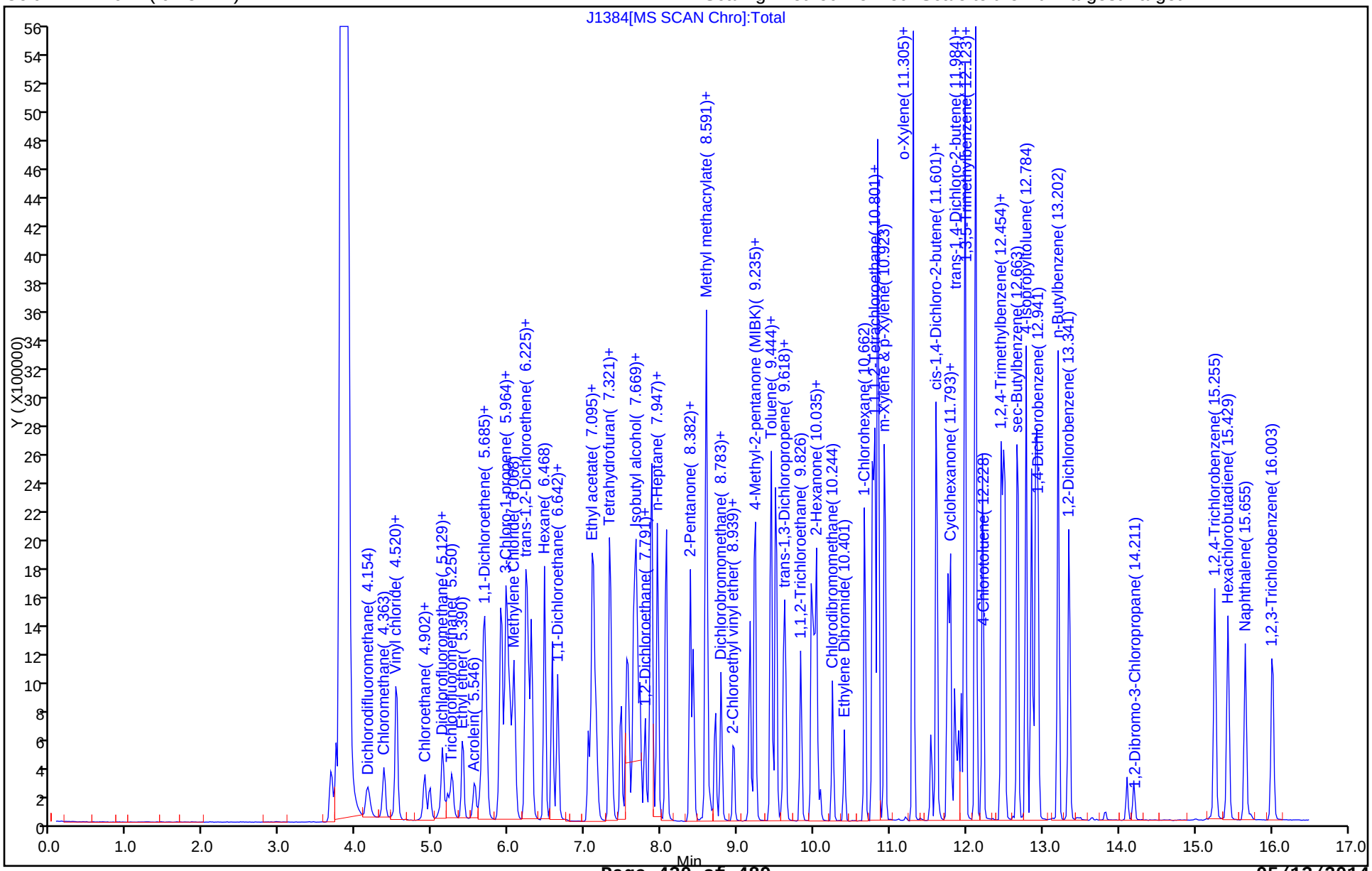
Report Date: 22-Apr-2014 16:34:04 Chrom Revision: 2.2 14-Apr-2014 13:40:08

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20140421-22330.b\J1384.D

Injection Date:	21-Apr-2014 20:29:30	Instrument ID:	VMS_J	Operator ID:	DUKESA
Lims ID:	280-54473-A-1-C MSD			Worklist Smp#:	14
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	SO_VMSJ_8260	Limit Group:	MSV - 8260B Water and Solid		

Column: DB-624 (0.25 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_J Start Date: 04/16/2014 18:45

Analysis Batch Number: 221523 End Date: 04/17/2014 02:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-221523/1		04/16/2014 18:45	1	J1274.D	DB-624 (75.53) 0.53(mm)
STD001 280-221523/2 IC		04/16/2014 19:19	1	J1275.D	DB-624 (75.53) 0.53(mm)
STD002 280-221523/3 IC		04/16/2014 19:40	1	J1276.D	DB-624 (75.53) 0.53(mm)
STD005 280-221523/4 IC		04/16/2014 20:01	1	J1277.D	DB-624 (75.53) 0.53(mm)
STD010 280-221523/5 IC		04/16/2014 20:22	1	J1278.D	DB-624 (75.53) 0.53(mm)
STD020 280-221523/6 IC		04/16/2014 20:43	1	J1279.D	DB-624 (75.53) 0.53(mm)
STD050 280-221523/7 IC		04/16/2014 21:04	1	J1280.D	DB-624 (75.53) 0.53(mm)
STD100 280-221523/8 IC		04/16/2014 21:25	1	J1281.D	DB-624 (75.53) 0.53(mm)
STD200 280-221523/9 IC		04/16/2014 21:46	1	J1282.D	DB-624 (75.53) 0.53(mm)
ICV 280-221523/10		04/16/2014 22:29	1		DB-624 (75.53) 0.53(mm)
STD001 280-221523/11 IC		04/16/2014 22:50	1	J1285.D	DB-624 (75.53) 0.53(mm)
STD002 280-221523/12 IC		04/16/2014 23:12	1	J1286.D	DB-624 (75.53) 0.53(mm)
STD005 280-221523/13 IC		04/16/2014 23:33	1	J1287.D	DB-624 (75.53) 0.53(mm)
STD010 280-221523/14 IC		04/16/2014 23:54	1	J1288.D	DB-624 (75.53) 0.53(mm)
STD020 280-221523/15 IC		04/17/2014 00:15	1	J1289.D	DB-624 (75.53) 0.53(mm)
ICIS 280-221523/16		04/17/2014 00:37	1	J1290.D	DB-624 (75.53) 0.53(mm)
STD100 280-221523/17 IC		04/17/2014 00:58	1	J1291.D	DB-624 (75.53) 0.53(mm)
STD200 280-221523/18 IC		04/17/2014 01:19	1	J1292.D	DB-624 (75.53) 0.53(mm)
ICV 280-221523/19		04/17/2014 01:41	1	J1293.D	DB-624 (75.53) 0.53(mm)
ICV 280-221523/20		04/17/2014 02:02	1	J1294.D	DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_J Start Date: 04/17/2014 16:10

Analysis Batch Number: 221699 End Date: 04/17/2014 22:10

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-221699/1		04/17/2014 16:10	1	J1298.D	DB-624 (75.53) 0.53(mm)
CCV 280-221699/2		04/17/2014 16:35	1		DB-624 (75.53) 0.53(mm)
CCV 280-221699/3		04/17/2014 16:56	1		DB-624 (75.53) 0.53(mm)
STD002 280-221699/4 IC		04/17/2014 17:18	1	J1301.D	DB-624 (75.53) 0.53(mm)
STD005 280-221699/5 IC		04/17/2014 17:39	1	J1302.D	DB-624 (75.53) 0.53(mm)
STD010 280-221699/6 IC		04/17/2014 18:00	1	J1303.D	DB-624 (75.53) 0.53(mm)
STD020 280-221699/7 IC		04/17/2014 18:21	1	J1304.D	DB-624 (75.53) 0.53(mm)
STD050 280-221699/8 IC		04/17/2014 18:42	1	J1305.D	DB-624 (75.53) 0.53(mm)
STD100 280-221699/9 IC		04/17/2014 19:03	1	J1306.D	DB-624 (75.53) 0.53(mm)
STD200 280-221699/10 IC		04/17/2014 19:23	1	J1307.D	DB-624 (75.53) 0.53(mm)
ICV 280-221699/11		04/17/2014 20:05	1	J1308.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		04/17/2014 20:47	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/17/2014 21:07	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/17/2014 21:28	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/17/2014 21:49	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/17/2014 22:10	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_J Start Date: 04/21/2014 16:05

Analysis Batch Number: 222203 End Date: 04/22/2014 02:26

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-222203/1		04/21/2014 16:05	1	J1372.D	DB-624 (75.53) 0.53(mm)
CCV 280-222203/2		04/21/2014 16:29	1	J1373.D	DB-624 (75.53) 0.53(mm)
CCV 280-222203/3		04/21/2014 16:50	1	J1374.D	DB-624 (75.53) 0.53(mm)
CCV 280-222203/4		04/21/2014 17:11	1	J1375.D	DB-624 (75.53) 0.53(mm)
CCV 280-222203/5		04/21/2014 17:32	1		DB-624 (75.53) 0.53(mm)
LCS 280-222190/2-A		04/21/2014 17:53	1	J1377.D	DB-624 (75.53) 0.53(mm)
MB 280-222190/1-A		04/21/2014 18:14	1	J1378.D	DB-624 (75.53) 0.53(mm)
280-54473-1	AOI72BT0106AA	04/21/2014 19:47	1	J1382.D	DB-624 (75.53) 0.53(mm)
280-54473-1 MS	AOI72BT0106AA MS	04/21/2014 20:08	1	J1383.D	DB-624 (75.53) 0.53(mm)
280-54473-1 MSD	AOI72BT0106AA MSD	04/21/2014 20:29	1	J1384.D	DB-624 (75.53) 0.53(mm)
280-54473-2	AOI72BT0206AA	04/21/2014 20:50	1	J1385.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 21:11	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 21:32	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 21:53	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 22:14	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 22:35	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 22:56	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 23:17	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 23:38	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/21/2014 23:59	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/22/2014 00:20	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/22/2014 00:41	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/22/2014 01:02	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/22/2014 01:23	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/22/2014 01:44	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/22/2014 02:05	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		04/22/2014 02:26	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_G2 Start Date: 03/05/2014 06:34

Analysis Batch Number: 215451 End Date: 03/05/2014 18:33

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-215451/1		03/05/2014 06:34	1	G2_8103.D	DB-624 (60.25) 0.25(mm)
IC 280-215451/23		03/05/2014 07:23	1		DB-624 (60.25) 0.25(mm)
IC 280-215451/24		03/05/2014 07:43	1		DB-624 (60.25) 0.25(mm)
IC 280-215451/25		03/05/2014 08:03	1		DB-624 (60.25) 0.25(mm)
IC 280-215451/26		03/05/2014 08:24	1		DB-624 (60.25) 0.25(mm)
IC 280-215451/27		03/05/2014 08:44	1		DB-624 (60.25) 0.25(mm)
IC 280-215451/28		03/05/2014 09:04	1		DB-624 (60.25) 0.25(mm)
IC 280-215451/29		03/05/2014 10:07	1		DB-624 (60.25) 0.25(mm)
ICV 280-215451/30		03/05/2014 11:48	1		DB-624 (60.25) 0.25(mm)
IC 280-215451/32		03/05/2014 12:49	1	G2_8116.D	DB-624 (60.25) 0.25(mm)
IC 280-215451/33		03/05/2014 13:09	1	G2_8117.D	DB-624 (60.25) 0.25(mm)
IC 280-215451/34		03/05/2014 13:29	1	G2_8118.D	DB-624 (60.25) 0.25(mm)
ICIS 280-215451/35		03/05/2014 13:49	1	G2_8119.D	DB-624 (60.25) 0.25(mm)
IC 280-215451/36		03/05/2014 14:09	1	G2_8120.D	DB-624 (60.25) 0.25(mm)
IC 280-215451/37		03/05/2014 14:30	1	G2_8121.D	DB-624 (60.25) 0.25(mm)
280-53031-A-1 MDLV		03/05/2014 15:10	1		DB-624 (60.25) 0.25(mm)
280-53031-A-2 MDLV		03/05/2014 15:30	1		DB-624 (60.25) 0.25(mm)
280-53031-A-3 MDLV		03/05/2014 15:51	1		DB-624 (60.25) 0.25(mm)
280-53031-A-4 MDLV		03/05/2014 16:11	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/05/2014 16:31	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/05/2014 16:51	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/05/2014 17:12	1		DB-624 (60.25) 0.25(mm)
280-53031-A-7 MDLV		03/05/2014 17:32	1		DB-624 (60.25) 0.25(mm)
280-53031-A-8 MDLV		03/05/2014 17:52	1		DB-624 (60.25) 0.25(mm)
280-53031-A-9 MDLV		03/05/2014 18:12	1		DB-624 (60.25) 0.25(mm)
280-53031-A-10 MDLV		03/05/2014 18:33	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_G2 Start Date: 03/06/2014 06:59

Analysis Batch Number: 215641 End Date: 03/06/2014 09:04

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-215641/1		03/06/2014 06:59	1	G2_8145.D	DB-624 (60.25) 0.25(mm)
ICV 280-215641/9		03/06/2014 07:42	1	G2_8147.D	DB-624 (60.25) 0.25(mm)
ICV 280-215641/8		03/06/2014 09:04	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_G2 Start Date: 03/12/2014 07:09

Analysis Batch Number: 216434 End Date: 03/12/2014 12:36

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-216434/1		03/12/2014 07:09	1	G2_8360.D	DB-624 (60.25) 0.25(mm)
IC 280-216434/10		03/12/2014 09:55	1	G2_8368.D	DB-624 (60.25) 0.25(mm)
IC 280-216434/11		03/12/2014 10:15	1	G2_8369.D	DB-624 (60.25) 0.25(mm)
IC 280-216434/12		03/12/2014 10:35	1	G2_8370.D	DB-624 (60.25) 0.25(mm)
IC 280-216434/13		03/12/2014 10:55	1	G2_8371.D	DB-624 (60.25) 0.25(mm)
IC 280-216434/14		03/12/2014 11:15	1	G2_8372.D	DB-624 (60.25) 0.25(mm)
IC 280-216434/15		03/12/2014 11:35	1	G2_8373.D	DB-624 (60.25) 0.25(mm)
IC 280-216434/16		03/12/2014 11:56	1	G2_8374.D	DB-624 (60.25) 0.25(mm)
ICV 280-216434/17		03/12/2014 12:36	1	G2_8376.D	DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_G2 Start Date: 03/14/2014 06:45

Analysis Batch Number: 216803 End Date: 03/14/2014 16:25

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-216803/1		03/14/2014 06:45	1	G2_8470.D	DB-624 (60.25) 0.25(mm)
CCV 280-216803/2		03/14/2014 07:06	1		DB-624 (60.25) 0.25(mm)
CCV 280-216803/3		03/14/2014 07:26	1		DB-624 (60.25) 0.25(mm)
IC 280-216803/8		03/14/2014 08:21	1	G2_8474.D	DB-624 (60.25) 0.25(mm)
IC 280-216803/9		03/14/2014 08:41	1	G2_8475.D	DB-624 (60.25) 0.25(mm)
IC 280-216803/10		03/14/2014 09:01	1	G2_8476.D	DB-624 (60.25) 0.25(mm)
IC 280-216803/11		03/14/2014 09:21	1	G2_8477.D	DB-624 (60.25) 0.25(mm)
IC 280-216803/12		03/14/2014 09:42	1	G2_8478.D	DB-624 (60.25) 0.25(mm)
ICV 280-216803/13		03/14/2014 10:02	1	G2_8479.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 10:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 10:43	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 11:20	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 11:40	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 12:01	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 12:21	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 12:41	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 13:02	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 13:22	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 13:43	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 14:03	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 14:23	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 14:44	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 15:04	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 15:24	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 15:44	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 16:05	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		03/14/2014 16:25	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: VMS_G2 Start Date: 04/25/2014 17:24

Analysis Batch Number: 222940 End Date: 04/26/2014 08:47

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-222940/1		04/25/2014 17:24	1	G2_0014.D	DB-624 (60.25) 0.25(mm)
CCV 280-222940/2		04/25/2014 17:47	1	G2_0015.D	DB-624 (60.25) 0.25(mm)
CCV 280-222940/3		04/25/2014 18:07	1	G2_0016.D	DB-624 (60.25) 0.25(mm)
CCV 280-222940/4		04/25/2014 18:27	1	G2_0017.D	DB-624 (60.25) 0.25(mm)
CCV 280-222940/5		04/25/2014 18:48	1		DB-624 (60.25) 0.25(mm)
LCS 280-222940/6		04/25/2014 19:08	1	G2_0019.D	DB-624 (60.25) 0.25(mm)
LCSD 280-222940/7		04/25/2014 19:28	1	G2_0020.D	DB-624 (60.25) 0.25(mm)
MB 280-222940/8		04/25/2014 19:48	1	G2_0021.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2014 20:49	1		DB-624 (60.25) 0.25(mm)
280-54473-3	041614AE	04/25/2014 21:09	1	G2_0025.D	DB-624 (60.25) 0.25(mm)
280-54473-4	041614AF	04/25/2014 21:29	1	G2_0026.D	DB-624 (60.25) 0.25(mm)
280-54473-5	041614AR	04/25/2014 21:49	1	G2_0027.D	DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2014 22:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2014 22:49	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2014 23:09	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2014 23:29	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/25/2014 23:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 00:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 00:30	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 00:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 01:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 01:30	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 01:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 02:10	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 02:30	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 02:50	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 05:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 05:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 06:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 06:26	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 06:46	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 07:06	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 07:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 07:47	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 08:07	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 08:27	1		DB-624 (60.25) 0.25(mm)
ZZZZZ		04/26/2014 08:47	1		DB-624 (60.25) 0.25(mm)

GC/MS VOA Continuing Calibration Review Checklist *TestAmerica Denver*

Instrument ID and Date: J 4/21/14 Work List 22330

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?	✓				
2. ICAL date and instrument ID verified?	✓				
3. Do SPCC RRFs and CCC %Ds meet method criteria?	✓				
4. Does %D meet criteria for non-CCC compounds?	✓				
5. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓				
6. Label number of standard used recorded?	✓				
7. Manual integrations documented and checked?	✓		✓		
8. Do the Internal Standards meet criteria for %D against ICAL?	✓				
9. Does this CCV pass Q4 criteria?	✓				

1st Level Reviewer: ADO Date: 4/21/14

2nd Level Reviewer: [signature] Date: 04/21/14

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1605.02260

Lims Batch : 222174 / 222203

AOO 4/22/14

Sequence Name: C:\HPCHEM\1\SEQUENCE\042114.S
Comment:
Operator: DUKESA
Data Path: C:\HPCHEM\1\DATA\042114\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

22330

Line	Type	Vial	DataFile	Method	Sample Name	
1	Sample	100	J1372	BFBS	BFB	222174
2	Sample	10	J1373	8260S	CCV	222203
3	Sample	11	J1374	8260S	CCV	
4	Sample	12	J1375	8260S	CCV G2 Q4	
5	Sample	13	J1376	8260S	CCV G2 Q4	
6	Sample	14	J1377	8260S	LCS	
7	Sample	15	J1378	8260S	MB	
8	Sample	16	J1379	8260S	280-54439-e-3-a	
9	Sample	17	J1380	8260S	280-54439-f-11-a	
10	Sample	18	J1381	8260S	BLK	
11	Sample	19	J1382	8260S	280-54473-a-1-a	
12	Sample	20	J1383	8260S	280-54473-a-1-b ms	
13	Sample	21	J1384	8260S	280-54473-a-1-c msd	
14	Sample	22	J1385	8260S	280-54473-a-2-a	
15	Sample	23	J1386	8260S	280-54399-b-1-a	
16	Sample	24	J1387	8260S	280-54399-b-2-a	
17	Sample	25	J1388	8260S	280-54399-b-3-a	
18	Sample	26	J1389	8260S	280-54399-a-4-a	
19	Sample	27	J1390	8260S	280-54399-b-5-a	
20	Sample	28	J1391	8260S	280-54399-b-6-a	
21	Sample	29	J1392	8260S	280-54399-b-7-a	
22	Sample	30	J1393	8260S	280-54399-b-8-a	
23	Sample	31	J1394	8260S	280-54399-b-9-a	
24	Sample	32	J1395	8260S	280-54399-b-10-a SST, ND	
25	Sample	33	J1396	8260S	280-54399-b-11-a	
26	Sample	34	J1397	8260S	280-54399-b-12-a	
27	Sample	35	J1398	8260S	280-54417-a-1-a	
28	Sample	36	J1399	8260S	280-54417-a-2-a	
29	Sample	37	J1400	8260S	280-54481-e-3-a	
30	Sample	38	J1401	8260S	280-54383-a-1-b E, MLE	
31	Sample	39	J1402	8260S	PRIMER	
32	Sample	40	J1403	8260S	PRIMER	

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 042114LL
Worklist Number: 22330
Instrument Name: VMS_J
Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000
Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20140421-22330.b
Upload Directory: \\Corpalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00021 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022330-001	#1 BFB	MV-BFB_00014	BFB		voaSoilLL	1.000000	uL	1.000000
280-0022330-002	#2 CCV	MV-567649-D_00001 MV-Main A_00016 MV-2 Cleve_00017 MV-Gas/Ket A_00022	CCV		voaSoilLL	5.000000	g	1.000000
280-0022330-003	#3 CCV	MV-Supp A_00006	CCV		voaSoilLL	5.000000	g	1.000000
280-0022330-004	#4 CCV	MV-567649-D_00001 MV-Gas/Ket A_00023	CCV		voaSoilLL	5.000000	g	1.000000
280-0022330-005	#5 CCV	MV-567649-D_00001 MV-Gas/Ket A_00023	CCV		voaSoilLL	5.000000	g	1.000000
280-0022330-006	#6 LCS	MV-Gas/Ket B_00012 MV-Main B_00006 MV-SS 2-Cleve_00010	LCS		voaSoilLL	5.000000	g	1.000000
280-0022330-007	#7 MB		MB		voaSoilLL	5.000000	g	1.000000
280-0022330-008	#8 280-50876-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-009	#9 280-50876-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-010	#10 280-54439-E-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-011	#11 280-54439-F-11-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-012	#12 280-54473-A-1-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022330-013	#13 280-54473-A-1-B MS	MV-Gas/Ket B_00012 MV-Main B_00006 MV-SS 2-Cleve_00010	MS		voaSoilLL	5.000000	g	1.000000
280-0022330-014	#14 280-54473-A-1-C MSD	MV-Gas/Ket B_00012 MV-SS 2-Cleve_00010 MV-Main B_00006	MSD		voaSoilLL	5.000000	g	1.000000
280-0022330-015	#15 280-54473-A-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-016	#16 280-54399-B-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-017	#17 280-54399-B-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-018	#18 280-54399-B-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-019	#19 280-54399-A-4-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-020	#20 280-54399-B-5-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-021	#21 280-54399-B-6-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-022	#22 280-54399-B-7-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-023	#23 280-54399-B-8-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-024	#24 280-54399-B-9-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-025	#25 280-54399-B-10-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-026	#26 280-54399-B-11-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-027	#27 280-54399-B-12-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-028	#28 280-54417-A-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-029	#29 280-54417-A-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022330-030	#30 280-54481-E-3-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022330-031	#31 280-54383-A-1-B		Client		voaSoilLL	5.000000	g	1.000000

GC/MS VOA Continuing Calibration Review Checklist *TestAmerica Denver*

Instrument ID and Date: G2 4/25/14 PM Work List 22517

Check Method Used: Analysis ☒ 624 + ☒ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?	/			X	
2. ICAL date and instrument ID verified?	/			X	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	/			X	
4. Does %D meet criteria for non-CCC compounds?	/			X	
5. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	/			X	
6. Label number of standard used recorded?	/		/	X	
7. Manual integrations documented and checked?	/			X	
8. Do the Internal Standards meet criteria for %D against ICAL?	/			X	
9. Does this CCV pass Q4 criteria?	/			X	

1st Level Reviewer: AOO Date: 4/25/14

2nd Level Reviewer: _____ Date: 04/25/14

Sequence Name: C:\MSDCHEM\1\SEQUENCE\042514PM.S
Comment:
Operator: DUKESA
Data Path: C:\MSDchem\1\data\042514PM\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	G2_0014	BFB	BFB
2	Sample	1	G2_0015	8260B	CCV 1724
3	Sample	2	G2_0016	8260B	CCV
4	Sample	3	G2_0017	8260B	CCV G3 Q4
5	Sample	4	G2_0018	8260B	CCV G3 Q4
6	Sample	5	G2_0019	8260B	LCS
7	Sample	6	G2_0020	8260B	LCSD
8	Sample	7	G2_0021	8260B	MB
9	Sample	8	G2_0022	8260B	LCS
10	Sample	9	G2_0023	8260B	MB
11	Sample	10	G2_0024	8260B	280-54453-a-12 PH<2
12	Sample	11	G2_0025	8260B	280-54473-a-3 PH<2
13	Sample	12	G2_0026	8260B	280-54473-b-4 PH<2
14	Sample	13	G2_0027	8260B	280-54473-a-5 PH<2
15	Sample	14	G2_0028	8260B	280-54439-u-1 PH<2 E,554,RL
16	Sample	15	G2_0029	8260B	280-54439-s-1 MS PH<2
17	Sample	16	G2_0030	8260B	280-54439-s-1 MSD PH<2
18	Sample	17	G2_0031	8260B	280-54439-i-2 PH<2 554,RL
19	Sample	1	G2_0032	8260B	280-54439-y-1 PH<2 Report,E
20	Sample	2	G2_0033	8260B	280-54439-y-1 2ML PH<2
21	Sample	3	G2_0034	8260B	280-54439-h-9 PH<2
22	Sample	4	G2_0035	8260B	280-54441-a-12 PH<2 554,RL
23	Sample	5	G2_0036	8260B	280-54470-b-1 PH<2
24	Sample	6	G2_0037	8260B	280-54470-b-2 PH<2
25	Sample	7	G2_0038	8260B	280-54470-b-2 2ML PH<2 Not Needed
26	Sample	8	G2_0039	8260B	280-54470-a-3 PH<2 E
27	Sample	9	G2_0040	8260B	280-54470-a-3 2ML PH<2
28	Sample	10	G2_0041	8260B	280-54470-a-4 PH<2 554
29	Sample	11	G2_0042	8260B	280-54470-b-5 PH<2 0250
30	Sample	12	G2_0043	8260B	280-54470-a-6 PH<2 12hr, ALCH Stopped
31	Sample	13	G2_0044	8260B	280-54470-a-6 2ML PH<2
32	Sample	14	G2_0045	8260B	280-54470-a-7 PH<2
33	Sample	15	G2_0046	8260B	280-54470-a-7 2ML PH<2
34	Sample	16	G2_0047	8260B	280-54470-a-8 10ML PH<2
35	Sample	17	G2_0048	8260B	280-54470-a-8 1ML PH<2
36	Sample	18	G2_0049	8260B	280-54470-a-9 10ML PH<2
37	Sample	19	G2_0050	8260B	280-54470-a-9 1ML PH<2
38	Sample	20	G2_0051	8260B	280-54470-b-10 PH<2
39	Sample	21	G2_0052	8260B	280-54470-b-10 2ML PH<2
40	Sample	22	G2_0053	8260B	280-54470-a-11 PH<2
41	Sample	23	G2_0054	8260B	280-54714-e-3 PH<2
42	Sample	24	G2_0055	8260B	280-54714-f-3 MS PH<2
43	Sample	25	G2_0056	8260B	280-54714-f-3 MSD PH<2

22517
222940
222980

1724's

4/28/14

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: G2

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g)

Tune Time: 1724-0250 (Circle)

Lims Batch: 222940
222980

Sequence Name: C:\MSDCHEM\1\SEQUENCE\042514PM.S

Line	Type	Vial	DataFile	Method	Sample Name
44	Sample	26	G2_0057	8260B	280-54714-c-4 PH<2
45	Sample	27	G2_0058	8260B	280-54714-a-5 PH<2
46	Sample	28	G2_0059	8260B	280-54606-c-1 PH<2
47	Sample	29	G2_0060	8260B	280-54606-c-2 PH<2
48	Sample	30	G2_0061	8260B	280-54606-a-3 PH<2
49	Sample	31	G2_0062	8260B	280-54606-b-4 PH<2
50	Sample	32	G2_0063	8260B	280-54606-c-5 PH<2
51	Sample	33	G2_0064	8260B	280-54642-h-1 UP PH~7
52	Sample	34	G2_0065	8260B	280-54378-b-1 PH<2 FRG BLK 554,RL
53	Sample	35	G2_0066	8260B	280-54378-b-2 PH<2 FRG BLK 554,RL
54	Sample	36	G2_0067	8260B	280-54378-b-3 PH<2 FRG BLK
55	Sample	37	G2_0068	8260B	280-54378-b-4 PH<2 FRG BLK
56	Sample	38	G2_0069	8260B	280-54378-b-5 PH<2 FRG BLK
57	Sample	39	G2_0070	8260B	280-54378-b-6 PH<2 FRG BLK
58	Sample	40	G2_0071	8260B	280-54378-b-7 PH<2 FRG BLK
59	Sample	41	G2_0072	8260B	280-54378-a-8 PH<2 FRG BLK
60	Sample	42	G2_0073	8260B	280-54378-a-11 PH<2 FRG BLK
61	Sample	43	G2_0074	8260B	280-54378-a-12 PH<2 FRG BLK
62	Sample	44	G2_0075	8260B	280-54378-a-13 PH<2 FRG BLK
63	Sample	45	G2_0076	8260B	280-54708-c-57 SCREENS
64	Sample	46	G2_0077	8260B	280-54708-c-58
65	Sample	47	G2_0078	8260B	280-54708-c-59
66	Sample	48	G2_0079	8260B	280-54708-c-60
67	Sample	49	G2_0080	8260B	280-54708-c-61
68	Sample	50	G2_0081	8260B	280-54708-c-62

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 042514PM
Worklist Number: 22517
Instrument Name: VMS_G2
Chrom Method: AQ_VMSG2_8260
Purge Volume: 20.00
Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_G2\20140425-22517.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_G2
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00022 Amount Added: 0.800000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022517-001	# 1 BFB	MV-BFB_00013	BFB		voaWater	1.000000	uL	1.000000
280-0022517-002	# 2 CCV	MV-2 Cleve_00017 MV-Main A_00016 MV-Gas/Ket A_00023	CCV		voaWater	20.00	mL	1.000000
280-0022517-003	# 3 CCV	MV-Supp A_00006	CCV		voaWater	20.00	mL	1.000000
280-0022517-004	# 4 CCV	MV-567649-D_00001 MV-Gas/Ket A_00023	CCV		voaWater	20.00	mL	1.000000
280-0022517-005	# 5 CCV	MV-567649-D_00001 MV-Gas/Ket A_00023	CCV		voaWater	20.00	mL	1.000000
280-0022517-006	# 6 LCS	MV-SS 2-Cleve_00010 MV-Main B_00006 MV-Gas/Ket B_00013	LCS		voaWater	20.00	mL	1.000000
280-0022517-007	# 7 LCSD	MV-SS 2-Cleve_00010 MV-Gas/Ket B_00013 MV-Main B_00006	LCSD		voaWater	20.00	mL	1.000000
280-0022517-008	# 8 MB		MB		voaWater	20.00	mL	1.000000
280-0022517-009	# 9 280-50876-A-1		Client		voaWater	20.00	mL	1.000000
280-0022517-010	#10 280-50876-A-2		Client		voaWater	20.00	mL	1.000000
280-0022517-011	#11 280-54453-A-12		Client		voaWater	20.00	mL	1.000000
280-0022517-012	#12 280-54473-A-3		Client		voaWater	20.00	mL	1.000000
280-0022517-013	#13 280-54473-B-4		Client		voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022517-014	#14 280-54473-A-5		Client		voaWater	20.00	mL	1.000000
280-0022517-015	#15 280-54439-Y-1		Client		voaWater	20.00	mL	1.000000
280-0022517-041	#41 280-54439-Y-1		Client		voaWater	2.000000	mL	1.000000
280-0022517-016	#16 280-54439-S-1 MS	MV-Gas/Ket B_00013 MV-Main B_00006 MV-SS 2-Cleve_00010	MS		voaWater	20.00	mL	1.000000
280-0022517-017	#17 280-54439-S-1 MSD	MV-SS 2-Cleve_00010 MV-Main B_00006 MV-Gas/Ket B_00013	MSD		voaWater	20.00	mL	1.000000
280-0022517-018	#18 280-54439-I-2		Client		voaWater	20.00	mL	1.000000
280-0022517-019	#19 280-54439-H-9		Client		voaWater	20.00	mL	1.000000
280-0022517-020	#20 280-54441-A-12		Client		voaWater	20.00	mL	1.000000
280-0022517-021	#21 280-54470-B-1		Client		voaWater	20.00	mL	1.000000
280-0022517-022	#22 280-54470-B-2		Client		voaWater	20.00	mL	1.000000
280-0022517-023	#23 280-54470-B-2		Client		voaWater	2.000000	mL	1.000000
280-0022517-024	#24 280-54470-A-3		Client		voaWater	20.00	mL	1.000000
280-0022517-025	#25 280-54470-A-3		Client		voaWater	2.000000	mL	1.000000
280-0022517-026	#26 280-54470-A-4		Client		voaWater	20.00	mL	1.000000
280-0022517-027	#27 280-54470-B-5		Client		voaWater	20.00	mL	1.000000
280-0022517-028	#28 280-54470-A-6		Client		voaWater	20.00	mL	1.000000
280-0022517-029	#29 280-54470-A-6		Client		voaWater	2.000000	mL	1.000000
280-0022517-030	#30 280-54470-A-7		Client		voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022517-031	#31 280-54470-A-7		Client		voaWater	2.000000	mL	1.000000
280-0022517-032	#32 280-54470-A-8		Client		voaWater	10.00	mL	1.000000
280-0022517-033	#33 280-54470-A-8		Client		voaWater	1.000000	mL	1.000000
280-0022517-034	#34 280-54470-A-9		Client		voaWater	10.00	mL	1.000000
280-0022517-035	#35 280-54470-A-9		Client		voaWater	1.000000	mL	1.000000
280-0022517-036	#36 280-54470-B-10		Client		voaWater	20.00	mL	1.000000
280-0022517-037	#37 280-54470-B-10		Client		voaWater	2.000000	mL	1.000000
280-0022517-038	#38 280-54470-A-11		Client		voaWater	20.00	mL	1.000000
280-0022517-039	#39 LCS	MV-SS 2-Cleve_00010 MV-Main B_00006 MV-Gas/Ket B_00013	LCS		voaWater	20.00	mL	1.000000
280-0022517-040	#40 MB		MB		voaWater	20.00	mL	1.000000
280-0022517-042	#42 280-54714-E-3		Client		voaWater	20.00	mL	1.000000
280-0022517-043	#43 280-54714-F-3 MS	MV-SS 2-Cleve_00010 MV-Main B_00006 MV-Gas/Ket B_00013	MS		voaWater	20.00	mL	1.000000
280-0022517-044	#44 280-54714-F-3 MSD	MV-SS 2-Cleve_00010 MV-Main B_00006 MV-Gas/Ket B_00013	MSD		voaWater	20.00	mL	1.000000
280-0022517-045	#45 280-54714-C-4		Client		voaWater	20.00	mL	1.000000
280-0022517-046	#46 280-54714-A-5		Client		voaWater	20.00	mL	1.000000
280-0022517-047	#47 280-54606-C-1		Client		voaWater	20.00	mL	1.000000
280-0022517-048	#48 280-54606-C-2		Client		voaWater	20.00	mL	1.000000
280-0022517-049	#49 280-54606-A-3		Client		voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022517-050	#50 280-54606-B-4		Client		voaWater	20.00	mL	1.000000
280-0022517-051	#51 280-54606-C-5		Client		voaWater	20.00	mL	1.000000
280-0022517-052	#52 280-54642-H-1		Client		voaWater	20.00	mL	1.000000
280-0022517-053	#53 280-54378-B-1		Client		voaWater	20.00	mL	1.000000
280-0022517-054	#54 280-54378-B-2		Client		voaWater	20.00	mL	1.000000
280-0022517-055	#55 280-54378-B-3		Client		voaWater	20.00	mL	1.000000
280-0022517-056	#56 280-54378-B-4		Client		voaWater	20.00	mL	1.000000
280-0022517-057	#57 280-54378-B-5		Client		voaWater	20.00	mL	1.000000
280-0022517-058	#58 280-54378-B-6		Client		voaWater	20.00	mL	1.000000
280-0022517-059	#59 280-54378-B-7		Client		voaWater	20.00	mL	1.000000
280-0022517-060	#60 280-54378-A-8		Client		voaWater	20.00	mL	1.000000
280-0022517-061	#61 280-54378-A-11		Client		voaWater	20.00	mL	1.000000
280-0022517-062	#62 280-54378-A-12		Client		voaWater	20.00	mL	1.000000
280-0022517-063	#63 280-54378-A-13		Client		voaWater	20.00	mL	1.000000

SUPP/SVOC

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: GZ 030514 ICAL Batch/ICV lines 215451 ICIS line 35
Calibration Event 17333 Work List 20661 2nd Day Batch/ICV lines 215641 ICV line 9

Check Method Used: Analysis ☐ 624 ☒ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?			✓	✓	
12. 2nd source ICV recovery (80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	All <20% unless listed below

1st Level Reviewer: _____ Date: 3/7/14

2nd Level Reviewer: Tam Date: 3-7-14

ethyl acetate 37.60%

Revision 4
03/27/2013
C:\Documents and Settings\ilczyszynd.TAI\Desktop\GCMS VOA ICAL Rev 4.doc

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: GZ

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 634 1633

Lims Batch : 215451

Sequence Name: C:\MSDCHEM\1\SEQUENCE\030514.S
Comment:
Operator: ILCZYSZYND
Data Path: C:\MSDchem\1\data\030514\
Pre-Seq Cmd:
Post-Seq Cmd:

3/6/14

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

215451

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	G2_8103	BFB	bfb 634
2	Sample	10	G2_8104	8260B	ic
3	Sample	11	G2_8105	8260B	ic
4	Sample	12	G2_8106	8260B	ic
5	Sample	13	G2_8107	8260B	ic
6	Sample	14	G2_8108	8260B	ic
7	Sample	15	G2_8109	8260B	ic
8	Sample	16	G2_8110	8260B	ic
9	Sample	17	G2_8111	8260B	blk
10	Sample	18	G2_8112	8260B	ic
11	Sample	19	G2_8113	8260B	blk
12	Sample	20	G2_8114	8260B	icv
13	Sample	21	G2_8115	8260B	icv
14	Sample	22	G2_8116	8260B	ic
15	Sample	23	G2_8117	8260B	ic
16	Sample	24	G2_8118	8260B	ic
17	Sample	25	G2_8119	8260B	ic
18	Sample	26	G2_8120	8260B	ic
19	Sample	27	G2_8121	8260B	ic
20	Sample	28	G2_8122	8260B	icv
21	Sample	29	G2_8123	8260B	mdlv m
22	Sample	30	G2_8124	8260B	mdlv m
23	Sample	31	G2_8125	8260B	mdlv m
24	Sample	32	G2_8126	8260B	mdlv m
25	Sample	33	G2_8127	8260B	loqv m
26	Sample	34	G2_8128	8260B	loqv m
27	Sample	35	G2_8129	8260B	loqv m
28	Sample	36	G2_8130	8260B	mdlv s
29	Sample	37	G2_8131	8260B	mdlv s
30	Sample	38	G2_8132	8260B	mdlv s
31	Sample	39	G2_8133	8260B	mdlv s 1633
32	Sample	40	G2_8134	8260B	loqv s outside tune
33	Sample	41	G2_8135	8260B	loqv s
34	Sample	42	G2_8136	8260B	loqv s
35	Sample	43	G2_8137	8260SOIL	SURR CHECK

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: G2

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g)

Tune Time: 659 - 904 (Circle)

Lims Batch : 215641

Sequence Name: C:\MSDCHEM\1\SEQUENCE\030614.S
Comment:
Operator: ILCZYSZYND
Data Path: C:\MSDchem\1\data\030614\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

215641

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	G2_8145	BFB	bfb 659
2	Sample	10	G2_8146	8260B	icv
3	Sample	11	G2_8147	8260B	icv
4	Sample	12	G2_8148	8260B	icv
5	Sample	13	G2_8149	8260B	icv 904
6					

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 030514 Worklist Number: 20661
Instrument Name: VMS_G2 Chrom Method: AQ_VMSG2_8260
Purge Volume: 20.00 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_G2\20140305-20661.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_G2
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00017 Amount Added: 0.650000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020661-001	# 1 BFB	MV-BFB_00011	BFB		voaWater	1.000000	uL	1.000000
280-0020661-002	# 2 CCV	MV-567649-D_00001 MV-2 Cleve_00016 MV-Gas/Ket A_00020 MV-Main A_00014	CCV		voaWater	20.00	mL	1.000000
280-0020661-003	# 3 CCV	MV-Supp A_00005	CCV		voaWater	20.00	mL	1.000000
280-0020661-004	# 4 LCS	MV-Gas/Ket B_00011 MV-SS 2-Cleve_00010 MV-Main B_00005	LCS		voaWater	20.00	mL	1.000000
280-0020661-005	# 5 MB		MB		voaWater	20.00	mL	1.000000
280-0020661-006	# 6 280-50876-A-1		Client		voaWater	20.00	mL	1.000000
280-0020661-007	# 7 280-50876-A-2		Client		voaWater	20.00	mL	1.000000
280-0020661-023	#23 ic	MV-567649-D_00001 MV-2 Cleve_00016 Freon_A_00003 MV-Main A_00014 MV-Gas/Ket A_00021 mv-cyclohex_00001	IC	1	voaWater	20.00	mL	1.000000
280-0020661-024	#24 ic	MV-567649-D_00001 MV-2 Cleve_00016 Freon_A_00003 MV-Main A_00014 MV-Gas/Ket A_00021 mv-cyclohex_00001	IC	2	voaWater	20.00	mL	1.000000
280-0020661-025	#25 ic	MV-567649-D_00001 MV-2 Cleve_00016 Freon_A_00003 MV-Main A_00014 MV-Gas/Ket A_00021 mv-cyclohex_00001	IC	3	voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020661-026	#26 ic	MV-567649-D_00001 MV-2 Cleve_00016 Freon_A_00003 MV-Main A_00014 MV-Gas/Ket A_00021 mv-cyclohex_00001	IC	4	voaWater	20.00	mL	1.000000
280-0020661-027	#27 ic	MV-567649-D_00001 MV-2 Cleve_00016 Freon_A_00003 MV-Main A_00014 MV-Gas/Ket A_00021 mv-cyclohex_00001	IC	5	voaWater	20.00	mL	1.000000
280-0020661-028	#28 ic	MV-567649-D_00001 MV-2 Cleve_00016 Freon_A_00003 MV-Main A_00014 MV-Gas/Ket A_00021 mv-cyclohex_00001	IC	6	voaWater	20.00	mL	1.000000
280-0020661-029	#29 ic	MV-567649-D_00001 MV-2 Cleve_00016 Freon_A_00003 MV-Main A_00014 MV-Gas/Ket A_00021 mv-cyclohex_00001	IC	7	voaWater	20.00	mL	1.000000
280-0020661-030	#30 icv	MV-Main B_00005 MV-SS 2-Cleve_00010 Freon_B_00002 MV-567649-D_00001	ICV		voaWater	20.00	mL	1.000000
280-0020661-031	#31 icv	MV-567649-D_00001 MV-Gas/Ket B_00011	ICV		voaWater	20.00	mL	1.000000
280-0020661-032	#32 ic	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp A_00005	IC	2	voaWater	20.00	mL	1.000000
280-0020661-033	#33 ic	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp A_00005	IC	3	voaWater	20.00	mL	1.000000
280-0020661-034	#34 ic	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp A_00005	IC	4	voaWater	20.00	mL	1.000000
280-0020661-035	#35 icis	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp A_00005	ICIS	5	voaWater	20.00	mL	1.000000
280-0020661-036	#36 ic	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp A_00005	IC	6	voaWater	20.00	mL	1.000000
280-0020661-037	#37 ic	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp A_00005	IC	7	voaWater	20.00	mL	1.000000
280-0020661-038	#38 icv	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp B_00002	ICV		voaWater	20.00	mL	1.000000
280-0020661-039	#39 mdlv	MV-Main A_00014 MV-Gas/Ket A_00020 MV-2 Cleve_00016 Freon_A_00003	MDLV		voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020661-040	#40 mdlv	MV-Main A_00014 MV-Gas/Ket A_00020 MV-2 Cleve_00016 Freon_A_00003	MDLV		voaWater	20.00	mL	1.000000
280-0020661-041	#41 mdlv	MV-Main A_00014 MV-Gas/Ket A_00020 MV-2 Cleve_00016 Freon_A_00003	MDLV		voaWater	20.00	mL	1.000000
280-0020661-042	#42 mdlv	MV-Main A_00014 MV-Gas/Ket A_00020 MV-2 Cleve_00016 Freon_A_00003	MDLV		voaWater	20.00	mL	1.000000
280-0020661-044	#44 loqv	MV-Main A_00014 MV-Gas/Ket A_00020 MV-2 Cleve_00016 Freon_A_00003	LOQV		voaWater	20.00	mL	1.000000
280-0020661-045	#45 loqv	MV-Main A_00014 MV-Gas/Ket A_00020 MV-2 Cleve_00016 Freon_A_00003	LOQV		voaWater	20.00	mL	1.000000
280-0020661-046	#46 loqv	MV-Main A_00014 MV-Gas/Ket A_00020 MV-2 Cleve_00016 Freon_A_00003	LOQV		voaWater	20.00	mL	1.000000
280-0020661-047	#47 mdlv	MV-Supp A_00005	MDLV		voaWater	20.00	mL	1.000000
280-0020661-048	#48 mdlv	MV-Supp A_00005	MDLV		voaWater	20.00	mL	1.000000
280-0020661-049	#49 mdlv	MV-Supp A_00005	MDLV		voaWater	20.00	mL	1.000000
280-0020661-050	#50 mdlv	MV-Supp A_00005	MDLV		voaWater	20.00	mL	1.000000
280-0020661-052	#52 loqv	MV-Supp A_00005	LOQV		voaWater	20.00	mL	1.000000
280-0020661-053	#53 loqv	MV-Supp A_00005	LOQV		voaWater	20.00	mL	1.000000
280-0020661-054	#54 loqv	MV-Supp A_00005	LOQV		voaWater	20.00	mL	1.000000

TestAmerica Laboratories
Worklist Report

Worklist Name: 030614 Worklist Number: 20706
Instrument Name: VMS_G2 Chrom Method: AQ_VMSG2_8260
Purge Volume: 20.00 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_G2\20140306-20706.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_G2
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00017 Amount Added: 0.850000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020706-001	#1 BFB	MV-BFB_00011	BFB		voaWater	1.000000	uL	1.000000
280-0020706-002	#2 CCV	MV-567649-D_00001 MV-2 Cleve_00016 MV-Gas/Ket A_00020 MV-Main A_00014	CCV		voaWater	20.00	mL	1.000000
280-0020706-003	#3 CCV	MV-Supp A_00005	CCV		voaWater	20.00	mL	1.000000
280-0020706-004	#4 LCS	MV-Gas/Ket B_00011 MV-SS 2-Cleve_00010 MV-Main B_00005	LCS		voaWater	20.00	mL	1.000000
280-0020706-005	#5 MB		MB		voaWater	20.00	mL	1.000000
280-0020706-006	#6 280-50876-A-1		Client		voaWater	20.00	mL	1.000000
280-0020706-007	#7 280-50876-A-2		Client		voaWater	20.00	mL	1.000000
280-0020706-008	#8 icv	MV-567649-D_00001 MV-Gas/Ket B_00011	ICV		voaWater	20.00	mL	1.000000
280-0020706-009	#9 icv	MV-567649-D_00001 MV-ARCH SS A_00017 MV-Supp B_00002	ICV		voaWater	20.00	mL	1.000000

MAIN/GAS/ZCLEV (Cresols still on previous MAIN ICAL)

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: GZ 031214 ICAL Batch/ICV lines 216434 ICV line 17
Calibration Event 17409 Work List 20465 2nd Day Batch/ICV lines

Check Method Used: Analysis ☐ 624 ☒ 8260B ☐ Other VOA

VOA Preparation ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?	✓			✓	TBA-d9 IN 6,7
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓				All <20% unless listed below

1st Level Reviewer: [signature] Date: 3/12/14 Good for AFCEE RL

2nd Level Reviewer: [signature] Date: 3/12/14 isobutyl alc. h.) 122.64%

Revision 4
03/27/2013
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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: G2

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g)

Tune Time: 709-1236 (Circle)

Lims Batch : 216434

3/12/14

17409

216434

Sequence Name: C:\MSDCHEM\1\SEQUENCE\031214.S
Comment:
Operator: ILCZYSZYND
Data Path: C:\MSDchem\1\data\031214\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	G2_8360	BFB	BFB 709
2	Sample	10	G2_8361	8260B	CCV
3	Sample	11	G2_8362	8260B	CCV
4	Sample	12	G2_8363	8260B	LCS
5	Sample	13	G2_8364	8260B	MB
6	Sample	14	G2_8365	8260B	280-52933-j-2 SCREEN
7	Sample	15	G2_8366	8260B	280-52933-i-3 SCREEN
8	Sample	16	G2_8367	8260B	BLK
9	Sample	17	G2_8368	8260B	IC
10	Sample	18	G2_8369	8260B	IC
11	Sample	19	G2_8370	8260B	IC
12	Sample	20	G2_8371	8260B	IC
13	Sample	21	G2_8372	8260B	IC
14	Sample	22	G2_8373	8260B	IC
15	Sample	23	G2_8374	8260B	IC
16	Sample	24	G2_8375	8260B	BLK
17	Sample	25	G2_8376	8260B	ICV 1236

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 031214 Worklist Number: 20885
Instrument Name: VMS_G2 Chrom Method: AQ_VMSG2_8260
Purge Volume: 20.00 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_G2\20140312-20885.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_G2
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00017 Amount Added: 0.650000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020885-001	# 1 BFB	MV-BFB_00011	BFB		voaWater	1.000000	uL	1.000000
280-0020885-002	# 2 CCV	MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-567649-D_00001 MV-Gas/Ket A_00021	CCV		voaWater	20.00	mL	1.000000
280-0020885-003	# 3 CCV	MV-Supp A_00005	CCV		voaWater	20.00	mL	1.000000
280-0020885-004	# 4 LCS	MV-Gas/Ket B_00011 MV-SS 2-Cleve_00010 MV-Main B_00005	LCS		voaWater	20.00	mL	1.000000
280-0020885-005	# 5 MB		MB		voaWater	20.00	mL	1.000000
280-0020885-006	# 6 280-50876-A-1		Client		voaWater	20.00	mL	1.000000
280-0020885-007	# 7 280-50876-A-2		Client		voaWater	20.00	mL	1.000000
280-0020885-008	# 8 sc		Client		voaWater	20.00	mL	1.000000
280-0020885-009	# 9 sc		Client		voaWater	20.00	mL	1.000000
280-0020885-010	#10 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-Gas/Ket A_00021	IC	1	voaWater	20.00	mL	1.000000
280-0020885-011	#11 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-Gas/Ket A_00021	IC	2	voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020885-012	#12 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-Gas/Ket A_00021	IC	3	voaWater	20.00	mL	1.000000
280-0020885-013	#13 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-Gas/Ket A_00021	IC	4	voaWater	20.00	mL	1.000000
280-0020885-014	#14 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-Gas/Ket A_00021	IC	5	voaWater	20.00	mL	1.000000
280-0020885-015	#15 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-Gas/Ket A_00021	IC	6	voaWater	20.00	mL	1.000000
280-0020885-016	#16 ic	MV-567649-D_00001 MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-Gas/Ket A_00021	IC	7	voaWater	20.00	mL	1.000000
280-0020885-017	#17 icv	MV-567649-D_00001 MV-Gas/Ket B_00011 MV-SS 2-Cleve_00010 MV-Main B_00005	ICV		voaWater	20.00	mL	1.000000

SURR

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: G2 03/14/14 ICAL Batch/ICV lines 2166603 Icv line 13
Calibration Event 17443 Work List 20465 2nd Day Batch/ICV lines

Check Method Used: Analysis ☐ 624 ☒ 8260B ☐ Other VOA

VOA Preparation ☐ 5mL ☒ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓				
2. ICAL date and instrument ID verified?	✓				
3. Does the Form VI match the data in the Chrom source method?	✓				
4. Sufficient number of calibration points used?	✓				
5. Reasons for removal of points documented?	✓				Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓				
7. Response factors meet criteria?	✓				
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓				
9. Data checked for detector saturation?	✓				
10. Label number of standards used recorded?	✓				
11. Manual integrations documented and checked?			-		
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓				

1st Level Reviewer: [signature] Date: 3/14/14

2nd Level Reviewer: AOO Date: 3/14/14

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: G2

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 645 1625

Lims Batch : 216803

Sequence Name: C:\MSDchem\1\sequence\031414.S
Comment:
Operator: ilczyszynd
Data Path: C:\MSDchem\1\data\031414\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

216803

20965

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	G2_8470	BFB	BFB 645
2	Sample	10	G2_8471	8260B	CCV
3	Sample	11	G2_8472	8260B	CCV
4	Sample	12	G2_8473	8260B	LCS
5	Sample	13	G2_8474	8260B	ic
6	Sample	14	G2_8475	8260B	ic
7	Sample	15	G2_8476	8260B	ic
8	Sample	16	G2_8477	8260B	ic
9	Sample	17	G2_8478	8260B	ic
10	Sample	18	G2_8479	8260B	icv
11	Sample	19	G2_8480	8260B	lcs
12	Sample	20	G2_8481	8260B	mb
13	Sample	21	G2_8482	8260B	280-52845-A-2 pH2
14	Sample	22	G2_8483	8260B	280-53011-B-1 pH7
15	Sample	23	G2_8484	8260B	280-53011-M-2 pH7
16	Sample	25	G2_8485	8260B	280-52849-C-10 pH2
17	Sample	26	G2_8486	8260B	280-52918-E-5 pH7
18	Sample	27	G2_8487	8260B	280-52845-B-1 pH2
19	Sample	28	G2_8488	8260B	280-52845-B-1 pH2 5ml
20	Sample	29	G2_8489	8260B	280-53010-AG-1 pH7 (1L@2ml)
21	Sample	30	G2_8490	8260B	280-53010-AF-1 ms pH7
22	Sample	31	G2_8491	8260B	280-53010-AF-1 msd pH7
23	Sample	32	G2_8492	8260B	280-53011-AG-3 pH7
24	Sample	33	G2_8493	8260B	280-53011-AK-3 pH7
25	Sample	34	G2_8494	8260B	280-53011-AK-3 ms pH7
26	Sample	35	G2_8495	8260B	280-53011-K-4 msd pH7
27	Sample	36	G2_8496	8260B	280-53011-M-5 pH7
28	Sample	37	G2_8497	8260B	280-53011-M-6 pH7 1625

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 031414 Worklist Number: 20965
Instrument Name: VMS_G2 Chrom Method: AQ_VMSG2_8260
Purge Volume: 20.00 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_G2\20140314-20965.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_G2
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00017 Amount Added: 0.650000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020965-001	# 1 BFB	MV-BFB_00011	BFB		voaWater	1.000000	uL	1.000000
280-0020965-002	# 2 CCV	MV-2 Cleve_00016 MV-Main A_00014 mv-cyclohex_00001 MV-567649-D_00001 MV-Gas/Ket A_00021	CCV		voaWater	20.00	mL	1.000000
280-0020965-003	# 3 CCV	MV-Supp A_00005 MV-567649-D_00001	CCV		voaWater	20.00	mL	1.000000
280-0020965-004	# 4 LCS	MV-Gas/Ket B_00011 MV-SS 2-Cleve_00010 MV-Main B_00005	LCS		voaWater	20.00	mL	1.000000
280-0020965-005	# 5 MB		MB		voaWater	20.00	mL	1.000000
280-0020965-006	# 6 280-50876-A-1		Client		voaWater	20.00	mL	1.000000
280-0020965-007	# 7 280-50876-A-2		Client		voaWater	20.00	mL	1.000000
280-0020965-008	# 8 ic	MV-567649-D_00001 MV-ARCH SS A_00017	IC	3	voaWater	20.00	mL	1.000000
280-0020965-009	# 9 ic	MV-567649-D_00001 MV-ARCH SS A_00017	IC	4	voaWater	20.00	mL	1.000000
280-0020965-010	#10 ic	MV-567649-D_00001 MV-ARCH SS A_00017	IC	5	voaWater	20.00	mL	1.000000
280-0020965-011	#11 ic	MV-567649-D_00001 MV-ARCH SS A_00017	IC	6	voaWater	20.00	mL	1.000000
280-0020965-012	#12 ic	MV-567649-D_00001 MV-ARCH SS A_00017	IC	7	voaWater	20.00	mL	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0020965-013	#13 icv	MV-567649-D_00001 MV-ARCH SS A_00017	ICV		voaWater	20.00	mL	1.000000
280-0020965-014	#14 280-52845-A-2		Client		voaWater	20.00	mL	1.000000
280-0020965-015	#15 280-53011-B-1		Client		voaWater	20.00	mL	1.000000
280-0020965-016	#16 280-53011-M-2		Client		voaWater	20.00	mL	1.000000
280-0020965-017	#17 280-52849-C-10		Client		voaWater	20.00	mL	1.000000
280-0020965-018	#18 280-52918-E-5		Client		voaWater	20.00	mL	1.000000
280-0020965-019	#19 280-52845-B-1		Client		voaWater	20.00	mL	1.000000
280-0020965-020	#20 280-52845-B-1		Client		voaWater	5.000000	mL	1.000000
280-0020965-021	#21 280-53010-AG-1		Client		voaWater	20.00	mL	1.000000
280-0020965-022	#22 280-53010-AF-1 MS	MV-Main B_00005 MV-SS 2-Cleve_00010 MV-Gas/Ket B_00011	MS		voaWater	20.00	mL	1.000000
280-0020965-023	#23 280-53010-AF-1 MSD	MV-Main B_00005 MV-SS 2-Cleve_00010 MV-Gas/Ket B_00011	MSD		voaWater	20.00	mL	1.000000
280-0020965-024	#24 280-53011-AG-3		Client		voaWater	20.00	mL	1.000000
280-0020965-025	#25 280-53011-AK-3 MS	MV-Main B_00005 MV-SS 2-Cleve_00010 MV-Gas/Ket B_00011	MS		voaWater	20.00	mL	1.000000
280-0020965-026	#26 280-53011-AK-3 MSD	MV-Main B_00005 MV-SS 2-Cleve_00010 MV-Gas/Ket B_00011	MSD		voaWater	20.00	mL	1.000000
280-0020965-027	#27 280-53011-K-4		Client		voaWater	20.00	mL	1.000000
280-0020965-028	#28 280-53011-M-5		Client		voaWater	20.00	mL	1.000000
280-0020965-029	#29 280-53011-M-6		Client		voaWater	20.00	mL	1.000000
280-0020965-030	#30 Samp 30		Client		voaWater	20.00	mL	1.000000

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica

Instrument ID and Date: J 4/16/14 MAIN ICAL Batch/ICV lines 221523/20
Calibration Event 17923 Work List 22172 2nd Day Batch/ICV lines

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	/			/	
2. ICAL date and instrument ID verified?	/			/	
3. Does the Form VI match the data in the Chrom source method?	/			/	
4. Sufficient number of calibration points used?	/			/	
5. Reasons for removal of points documented?	/			/	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	/			/	
7. Response factors meet criteria?	/			/	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	/			/	
9. Data checked for detector saturation?	/			/	
10. Label number of standards used recorded?	/			/	
11. Manual integrations documented and checked?			/	/	
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	/			/	

1st Level Reviewer: Aoo Date: 4/17/14

2nd Level Reviewer: Date: 4/16/14

Isobutyl Alcohol -58.3 %D

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03/27/2013
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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

FDD 4/17/14

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1845-0202

Lims Batch: 221523

Sequence Name: C:\HPCHEM\1\SEQUENCE\041614.S
Comment:
Operator: DUKESA
Data Path: C:\HPCHEM\1\DATA\041614\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name	
						22172
1	Sample	100	J1274	BFBS	BFB 1845	221523
2	Sample	10	J1275	8260S	STD001	
3	Sample	11	J1276	8260S	STD002	
4	Sample	12	J1277	8260S	STD005	
5	Sample	13	J1278	8260S	STD010	CE 17923
6	Sample	14	J1279	8260S	STD020	
7	Sample	15	J1280	8260S	STD050	
8	Sample	16	J1281	8260S	STD100	
9	Sample	17	J1282	8260S	STD200	
10	Sample	18	J1283	8260S	BLK	
11	Sample	19	J1284	8260S	ICV	
12	Sample	20	J1285	8260S	STD001	
13	Sample	21	J1286	8260S	STD002	
14	Sample	22	J1287	8260S	STD005	
15	Sample	23	J1288	8260S	STD010	CE 17924
16	Sample	24	J1289	8260S	STD020	
17	Sample	25	J1290	8260S	ICIS	
18	Sample	26	J1291	8260S	STD100	
19	Sample	27	J1292	8260S	STD200	
20	Sample	28	J1293	8260S	ICV S	
21	Sample	29	J1294	8260S	ICV M	
22	Sample	30	J1295	8260S	280-54353-a-1,,SCRN	
23	Sample	31	J1296	8260S	PRIMER	
24	Sample	32	J1297	8260S	PRIMER 0202	

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 041614LL Worklist Number: 22172
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20140416-22172.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00021 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022172-001	#1 BFB	MV-BFB_00012	BFB		voaSoilLL	1.000000	uL	1.000000
280-0022172-002	#2 STD001	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	1	voaSoilLL	5.000000	g	1.000000
280-0022172-003	#3 STD002	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	2	voaSoilLL	5.000000	g	1.000000
280-0022172-004	#4 STD005	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	3	voaSoilLL	5.000000	g	1.000000
280-0022172-005	#5 STD010	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	4	voaSoilLL	5.000000	g	1.000000
280-0022172-006	#6 STD020	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	5	voaSoilLL	5.000000	g	1.000000
280-0022172-007	#7 STD050	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	6	voaSoilLL	5.000000	g	1.000000
280-0022172-008	#8 STD100	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	7	voaSoilLL	5.000000	g	1.000000
280-0022172-009	#9 STD200	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	8	voaSoilLL	5.000000	g	1.000000
280-0022172-010	#10 ICV	MV-567649-D_00001 MV-Gas/Ket B_00012	ICV		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022172-011	#11 STD001	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	1	voaSoilLL	5.000000	g	1.000000
280-0022172-012	#12 STD002	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	2	voaSoilLL	5.000000	g	1.000000
280-0022172-013	#13 STD005	MV-567649-D_00001 Freon_A_00003 MV-Supp A_00006 MV-ARCH SS A_00021	IC	3	voaSoilLL	5.000000	g	1.000000
280-0022172-014	#14 STD010	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	4	voaSoilLL	5.000000	g	1.000000
280-0022172-015	#15 STD020	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	5	voaSoilLL	5.000000	g	1.000000
280-0022172-016	#16 ICIS	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	ICIS	6	voaSoilLL	5.000000	g	1.000000
280-0022172-017	#17 STD100	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	7	voaSoilLL	5.000000	g	1.000000
280-0022172-018	#18 STD200	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	8	voaSoilLL	5.000000	g	1.000000
280-0022172-019	#19 ICV	MV-567649-D_00001 MV-Supp B_00002 MV-ARCH SS A_00021 Freon_B_00003	ICV		voaSoilLL	5.000000	g	1.000000
280-0022172-020	#20 ICV	MV-Main B_00006 MV-SS 2-Cleve_00010 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica

Instrument ID and Date: J 4/16/14 Supp/FREON ICAL Batch/ICV lines 221523/19 IC15 16
Calibration Event 17924 Work List 22172 2nd Day Batch/ICV lines

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?			✓	✓	
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: AM Date: 4/17/14

2nd Level Reviewer: Date: 4/16/14

TestAmerica
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TestAmerica Denver

ADD 4/17/14

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1845-0202

Lims Batch : 221523

Sequence Name: C:\HPCHEM\1\SEQUENCE\041614.S
Comment:
Operator: DUKESA
Data Path: C:\HPCHEM\1\DATA\041614\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

22172

Line	Type	Vial	DataFile	Method	Sample Name	
1	Sample	100	J1274	BFBS	BFB 1845	221523
2	Sample	10	J1275	8260S	STD001	
3	Sample	11	J1276	8260S	STD002	
4	Sample	12	J1277	8260S	STD005	
5	Sample	13	J1278	8260S	STD010	
6	Sample	14	J1279	8260S	STD020	CE 17923
7	Sample	15	J1280	8260S	STD050	
8	Sample	16	J1281	8260S	STD100	
9	Sample	17	J1282	8260S	STD200	
10	Sample	18	J1283	8260S	BLK	
11	Sample	19	J1284	8260S	ICV	
12	Sample	20	J1285	8260S	STD001	
13	Sample	21	J1286	8260S	STD002	
14	Sample	22	J1287	8260S	STD005	
15	Sample	23	J1288	8260S	STD010	
16	Sample	24	J1289	8260S	STD020	CE 17924
17	Sample	25	J1290	8260S	ICIS	
18	Sample	26	J1291	8260S	STD100	
19	Sample	27	J1292	8260S	STD200	
20	Sample	28	J1293	8260S	ICV S	
21	Sample	29	J1294	8260S	ICV M	
22	Sample	30	J1295	8260S	280-54353-a-1,,SCRN	
23	Sample	31	J1296	8260S	PRIMER	
24	Sample	32	J1297	8260S	PRIMER 0202	

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 041614LL Worklist Number: 22172
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20140416-22172.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00021 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022172-001	#1 BFB	MV-BFB_00012	BFB		voaSoilLL	1.000000	uL	1.000000
280-0022172-002	#2 STD001	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	1	voaSoilLL	5.000000	g	1.000000
280-0022172-003	#3 STD002	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	2	voaSoilLL	5.000000	g	1.000000
280-0022172-004	#4 STD005	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	3	voaSoilLL	5.000000	g	1.000000
280-0022172-005	#5 STD010	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	4	voaSoilLL	5.000000	g	1.000000
280-0022172-006	#6 STD020	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	5	voaSoilLL	5.000000	g	1.000000
280-0022172-007	#7 STD050	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	6	voaSoilLL	5.000000	g	1.000000
280-0022172-008	#8 STD100	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	7	voaSoilLL	5.000000	g	1.000000
280-0022172-009	#9 STD200	MV-567649-D_00001 MV-Main A_00016 MV-Gas/Ket A_00022 MV-2 Cleve_00017	IC	8	voaSoilLL	5.000000	g	1.000000
280-0022172-010	#10 ICV	MV-567649-D_00001 MV-Gas/Ket B_00012	ICV		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022172-011	#11 STD001	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	1	voaSoilLL	5.000000	g	1.000000
280-0022172-012	#12 STD002	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	2	voaSoilLL	5.000000	g	1.000000
280-0022172-013	#13 STD005	MV-567649-D_00001 Freon_A_00003 MV-Supp A_00006 MV-ARCH SS A_00021	IC	3	voaSoilLL	5.000000	g	1.000000
280-0022172-014	#14 STD010	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	4	voaSoilLL	5.000000	g	1.000000
280-0022172-015	#15 STD020	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	5	voaSoilLL	5.000000	g	1.000000
280-0022172-016	#16 ICIS	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	ICIS	6	voaSoilLL	5.000000	g	1.000000
280-0022172-017	#17 STD100	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	7	voaSoilLL	5.000000	g	1.000000
280-0022172-018	#18 STD200	MV-567649-D_00001 MV-Supp A_00006 Freon_A_00003 MV-ARCH SS A_00021	IC	8	voaSoilLL	5.000000	g	1.000000
280-0022172-019	#19 ICV	MV-567649-D_00001 MV-Supp B_00002 MV-ARCH SS A_00021 Freon_B_00003	ICV		voaSoilLL	5.000000	g	1.000000
280-0022172-020	#20 ICV	MV-Main B_00006 MV-SS 2-Cleve_00010 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica

Instrument ID and Date: J 4/17/14 GAS/KETONE ICAL Batch/ICV lines 221699/11
Calibration Event 17925 Work List 22215 2nd Day Batch/ICV lines

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?			✓	✓	
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: AOO Date: 4/17/14

2nd Level Reviewer: [signature] Date: 4/18/14

Revision 4
03/27/2013
G:\QA\Edit\FORMS\Data Review\MS VOA\GCMS VOA ICAL Rev 4.doc

TestAmerica

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TestAmerica Denver

Add 4/18/14

Sequence Name: C:\HPCHEM\1\SEQUENCE\041714.S
Comment:
Operator: DUKESA
Data Path: C:\HPCHEM\1\DATA\041714\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1610-0348

Lims Batch: 221699 / 221705

Line	Type	Vial	DataFile	Method	Sample Name	22215
1	Sample	100	J1298	BFBS	BFB 1610	221699
2	Sample	10	J1299	8260S	CCV	221705
3	Sample	11	J1300	8260S	CCV	
4	Sample	12	J1301	8260S	STD002	
5	Sample	13	J1302	8260S	STD005	
6	Sample	14	J1303	8260S	STD010	
7	Sample	15	J1304	8260S	STD020	
8	Sample	16	J1305	8260S	STD050	
9	Sample	17	J1306	8260S	STD100	
10	Sample	18	J1307	8260S	STD200	
11	Sample	19	J1308	8260S	ICV	
12	Sample	20	J1309	8260S	MB	
13	Sample	21	J1310	8260S	LCS	
14	Sample	22	J1311	8260S	mb 280-221525/1-a	
15	Sample	23	J1312	8260S	280-54322-e-1-a E MLE	
16	Sample	24	J1313	8260S	280-54322-e-2-a E,SSTM MLE	
17	Sample	25	J1314	8260S	280-54322-f-3-a E MLE	
18	Sample	26	J1315	8260S	490-50568-c-23-a	
19	Sample	27	J1316	8260S	280-54052-e-7-a	
20	Sample	28	J1317	8260S	280-54135-p-1-a SST, ND	
21	Sample	29	J1318	8260S	280-54135-q-1-a ms	
22	Sample	30	J1319	8260S	280-54135-r-1-a msd	
23	Sample	31	J1320	8260S	280-54135-f-2-a	
24	Sample	32	J1321	8260S	280-54135-f-4-a SST, SSTM	
25	Sample	33	J1322	8260S	280-54240-d-4-a	
26	Sample	34	J1323	8260S	280-54240-d-5-a SST, SSTM	
27	Sample	35	J1324	8260S	280-54240-d-6-a	
28	Sample	36	J1325	8260S	280-54240-j-9-a SSTM,	
29	Sample	37	J1326	8260S	280-54240-k-9-a ms SST	
30	Sample	38	J1327	8260S	280-54240-l-9-a msd SSTM,	
31	Sample	39	J1328	8260S	280-54240-d-7-a SSTM, ND	
32	Sample	40	J1329	8260S	280-54240-d-8-a	
33	Sample	41	J1330	8260S	280-54240-d-11-a SST, ND	
34	Sample	42	J1331	8260S	BLK 0348	
35	Sample	43	J1332	8260S	BLK	
36	Sample	44	J1333	8260S	280-54378-a-14 FRZ BLK	
37	Sample	45	J1334	8260S	280-54378-a-15 FRZ BLK	
38	Sample	46	J1335	8260S	280-54378-a-16 FRZ BLK	
39	Sample	47	J1336	8260S	PRIMER	
40	Sample	48	J1337	8260S	PRIMER	

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 041714LL Worklist Number: 22215
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20140417-22215.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL
Run Reagent: MV-ARCH SS A_00021 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022215-001	# 1 BFB	MV-BFB_00012	BFB		voaSoilLL	1.000000	uL	1.000000
280-0022215-002	# 2 CCV	MV-567649-D_00001 MV-Main A_00016 MV-2 Cleve_00017	CCV		voaSoilLL	5.000000	g	1.000000
280-0022215-003	# 3 CCV	MV-Supp A_00006	CCV		voaSoilLL	5.000000	g	1.000000
280-0022215-004	# 4 STD002	MV-567649-D_00001 MV-Gas/Ket A_00022	IC	2	voaSoilLL	5.000000	g	1.000000
280-0022215-005	# 5 STD005	MV-567649-D_00001 MV-Gas/Ket A_00022	IC	3	voaSoilLL	5.000000	g	1.000000
280-0022215-006	# 6 STD010	MV-567649-D_00001 MV-Gas/Ket A_00022	IC	4	voaSoilLL	5.000000	g	1.000000
280-0022215-007	# 7 STD020	MV-567649-D_00001 MV-Gas/Ket A_00022	IC	5	voaSoilLL	5.000000	g	1.000000
280-0022215-008	# 8 STD050	MV-567649-D_00001 MV-Gas/Ket A_00022	IC	6	voaSoilLL	5.000000	g	1.000000
280-0022215-009	# 9 STD100	MV-567649-D_00001 MV-Gas/Ket A_00022	IC	7	voaSoilLL	5.000000	g	1.000000
280-0022215-010	#10 STD200	MV-567649-D_00001 MV-Gas/Ket A_00022	IC	8	voaSoilLL	5.000000	g	1.000000
280-0022215-011	#11 ICV	MV-567649-D_00001 MV-Gas/Ket B_00012	ICV		voaSoilLL	5.000000	g	1.000000
280-0022215-012	#12 LCS	MV-Gas/Ket B_00012 MV-Main B_00006 MV-SS 2-Cleve_00010	LCS		voaSoilLL	5.000000	g	1.000000
280-0022215-013	#13 MB		MB		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022215-014	#14 280-50876-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-015	#15 280-50876-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-016	#16 MB 280-221525/1-A		MB		voaSoilLL	5.000000	g	1.000000
280-0022215-017	#17 280-54322-E-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-018	#18 280-54322-E-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-019	#19 280-54322-F-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-020	#20 490-50568-C-23-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-021	#21 280-54052-E-7-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-022	#22 280-54135-P-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-023	#23 280-54135-Q-1-A MS	MV-Gas/Ket B_00012 MV-Main B_00006 MV-SS 2-Cleve_00010	MS		voaSoilLL	5.000000	g	1.000000
280-0022215-024	#24 280-54135-R-1-A MSD	MV-Gas/Ket B_00012 MV-Main B_00006 MV-SS 2-Cleve_00010	MSD		voaSoilLL	5.000000	g	1.000000
280-0022215-025	#25 280-54135-F-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-026	#26 280-54135-F-4-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-027	#27 280-54240-D-4-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-028	#28 280-54240-D-5-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-029	#29 280-54240-D-6-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-030	#30 280-54240-D-7-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-031	#31 280-54240-D-8-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0022215-032	#32 280-54240-J-9-A		Client		voaSoilLL	5.000000	g	1.000000
280-0022215-033	#33 280-54240-K-9-A MS	MV-Gas/Ket B_00012 MV-Main B_00006 MV-SS 2-Cleve_00010	MS		voaSoilLL	5.000000	g	1.000000
280-0022215-034	#34 280-54240-L-9-A MSD	MV-Gas/Ket B_00012 MV-Main B_00006 MV-SS 2-Cleve_00010	MSD		voaSoilLL	5.000000	g	1.000000
280-0022215-035	#35 280-54240-D-11-A		Client		voaSoilLL	5.000000	g	1.000000

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Batch Number: 222190 Batch Start Date: 04/21/14 16:00 Batch Analyst: Dukes, Aaron D

Batch Method: 5030B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 280-222190/1		5030B, 8260B/DoD		5 g	5 mL				
LCS 280-222190/2		5030B, 8260B/DoD		5 g	5 mL				
280-54473-A-1	AOI72BT0106AA	5030B, 8260B/DoD	T	4.694 g	5 mL				
280-54473-A-1 MS	AOI72BT0106AA	5030B, 8260B/DoD	T	4.128 g	5 mL				
280-54473-A-1 MSD	AOI72BT0106AA	5030B, 8260B/DoD	T	5.044 g	5 mL				
280-54473-A-2	AOI72BT0206AA	5030B, 8260B/DoD	T	5.256 g	5 mL				

Batch Notes	
Balance ID	24850252
Blank Soil Lot Number	2BI0314

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-54473-1

SDG No.:

Project: Griffiss AFB AOI 72

Client Sample ID	Lab Sample ID
AOI72BT0106AA	280-54473-1
AOI72BT0206AA	280-54473-2

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-54473-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/28/2014 13:27 End Date: 04/28/2014 13:27

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			13:27																					
ZZZZZZ			13:27																					
ZZZZZZ			13:27																					
ZZZZZZ			13:27																					
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 04/28/2014 13:27 End Date: 04/28/2014 13:27

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			13:27																					
ZZZZZZ			13:27																					
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ZZZZZZ			13:27																					
ZZZZZZ			13:27																					
280-54473-1	1	T	13:27	X	X																			
280-54473-2	1	T	13:27	X	X																			
ZZZZZZ			13:27																					
ZZZZZZ			13:27																					
ZZZZZZ			13:27																					
ZZZZZZ			13:27																					

Prep Types

T = Total/NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: % MOISTURE Analysis Date: 4/29/14

SOP #: WC-0023 Analyst: AJS Instrument: BAL

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
54293	SOIL	—	223219	% M	—
54309	↓	↓	↓	↓	↓
54345					
54365					
54385					
54473					
54482					

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	✓			—
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	✓			—
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?			✓	—
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?			✓	—
2. Was final residue weight within minimum/maximum requirements?	✓			—
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	✓			—
C. Sample Results				—
1. TDS/Conductivity ratio or historical data checked?			✓	—
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?	✓			—
3. Were sample analyses done within holding time?			✓	—
4. Were special client requirements met?	✓			—
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?			✓	—
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	✓			—
7. STD/True Value information is updated and included?			✓	—
8. Are raw data copies prepared, scanned, and uploaded?			✓	—
D. Preparation/Matrix QC				—
1. Method blank < RL or all reported samples > 10 X RL?			✓	—
2. Method blank < ½ RL or NCM provided?			✓	—
3. LCS/LCSD run for batch and within QC limits?			✓	—
4. DUP run for batch and RPD < 20% for samples >5 X RL?	✓			—

Analyst: Andy Sack Date: 04/29/14

Comments: —

2nd Level Reviewer : [signature] Date: 4/29/14

Comments: —

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-54473-1

SDG No.:

Batch Number: 223219 Batch Start Date: 04/28/14 13:27 Batch Analyst: Pavlakovich, Adam M

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
280-54473-A-1	AOI72BT0106AA	Moisture	T	55	1.31 g	16.58 g	13.67 g		
280-54473-A-2	AOI72BT0206AA	Moisture	T	56	1.31 g	16.69 g	13.78 g		

Batch Notes	
Balance ID	H31422 No Unit
Date and Time Samples in Desiccator	4/29/14 1250
Date and Time Samples out of Desiccator	4/29/14 1410
Date samples were placed in the oven	4/28/14
Oven Temp when samples are put in oven	108 Degrees C
Time samples were place in the oven	15:20
Date samples were removed from oven	4/29/14
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	1250
Oven ID	F
ID number of the thermometer	244370
Uncorrected In Temperature	108 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

280-54473 Chain of Custody

CHAIN OF CUSTODY RECORD

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

Ship to: Elaine Walker Test America Laboratories, Inc. 4955 Yarrow Street Arvada, Colorado Tel: 303-736-0156	Project Name: Griffiss AFB AOI 72 Sampler Name: Daniel Baldyga	Send Results to: Daniel Baldyga FPM Remediations, Inc 584 Phoenix Drive Rome, NY 13441
Carrier: Test America courier.	Sampler Signature:	Phone: (315) 336-7721 Ext. 207

Analyses requested

Field Sample ID	LocID	Date 2014	Time	MATRIX	SMCODE	SACODE	SBD/SED	# of Containers	VOCs: note 3, 4 oz. jar	VOCs note 3 40mL vials (HCl)	Comments
AOI72BT0106AA	Half 1 (North) Bottom of Excavation	4/16	0945	SO	G	N	0/0	1	1		
AOI72BT0206AA	Half 2 (South) Bottom of Excavation	4/16	0810	SO	G	N	0/0	1	1		
041614AE	FIELDQC	4/16	0655	WQ	G	EB	0/0	3		3	
041614AF	FIELDQC	4/16	0950	WQ	G	AB	0/0	3		3	
041614AR	FIELDQC	4/16	0645	WQ	G	TB	0/0	2		2	

Sample Condition Upon Receipt at Laboratory: Cooler Temperature:

Special Instructions/Comments: Analyses to be conducted in compliance with AFCEE QAPP 4.0

Note 1: Total SVOCs: method SW8270D

Note 2: Total Pesticides: SW8081B

Note 3: Total VOCs: SW8260B

Note 4: Total Metals: SW6010C

#1 Released by: (Sig)		Date:		#2 Released by: (Sig)		Date:	4/17/14	#3 Released by: (Sig)		Date:	
Company Name:		Time:		Company Name:	FPM	Time:	1700	Company Name:		Time:	
#1 Received by: (Sig)	Daniel Baldyga	Date:	4/15/14	#2 Received by: (Sig)		Date:	4-18-14	#3 Received by: (Sig)		Date:	
Company Name:	FPM	Time:	1000 AM	Company Name:		Time:	1000	Company Name:		Time:	

0.5 JR57.2

MS 4-18-14

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

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

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

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-54473-1

Login Number: 54473

List Source: TestAmerica Denver

List Number: 1

Creator: O'Tormey, Stephanie R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Job Number: 280-48486-1

Job Description: Griffiss AFB Building 3

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

Attention: Daniel Baldyga

Approved for release.
Elaine M Walker
Project Manager II
11/25/2013 10:37 AM

Elaine M Walker, Project Manager II
4955 Yarrow Street, Arvada, CO, 80002
(303)736-0156
elaine.walker@testamericainc.com
11/25/2013

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

The Lab Certification ID# is E87667.

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

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Method 8270C DOD 521

Method 8270C DOD QC Summary 522

Method 8270C DOD Sample Data 536

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Method 8081B ICAL Data 795

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Standards Data 1044

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Method 8082A CCAL Data 1265

Raw QC Data 1352

Method 8082A Blank Data 1352

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CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB Building 3
Report Number: 280-48486-1

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

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

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

RECEIPT

One sample was received on 10/28/2013; the sample arrived in good condition, properly preserved and on ice. The temperature of the cooler at receipt was 4.1ºC.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AOI474BF (280-48486-1) was analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The sample was analyzed on 10/29/2013.

1,2,3-Trichlorobenzene and Methylene Chloride were detected in method blank MB 280-198393/1-A at levels that were above the method detection limits but below the reporting limits. The values should be considered estimates, and have been flagged “J”. The method blank contained Methylene Chloride greater than one-half the reporting limit (RL). This is known as a common laboratory contaminant. If the associated sample reported a result above the MDL and/or RL, the result has been flagged “B”.

1,2,3-Trichlorobenzene and 1,2,4-Trichlorobenzene failed the recovery criteria low for the matrix spike (MS) of sample AOI474BF (280-48486-1) in batch 280-198398. 2-Butanone (MEK) failed the recovery criteria high for the matrix spike duplicate (MSD). Several analytes exceeded the RPD limit. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

The presence of the '4' qualifier in the data indicates where the analyte concentration in the unspiked sample exceeded four times the spiking amount.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Sample AOI474BF (280-48486-1) was analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The sample was prepared on 10/29/2013 and analyzed on 10/31/2013.

Dimethyl phthalate was detected in method blank MB 280-198371/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

Benzo(b)fluoranthene and Benzo(k)fluoranthene were unresolved due to matrix interference for sample AOI474BF (280-48486-1). The results are reported as Benzo(b)fluoranthene, and the Benzo(b)fluoranthene & Benzo(k)fluoranthene results have been “K” flagged.

No other difficulties were encountered during the SVOC analysis.

All other quality control parameters were within the acceptance limits.

CHLORINATED PESTICIDES

Sample AOI474BF (280-48486-1) was analyzed for chlorinated pesticides in accordance with EPA SW-846 Method 8081B. The sample was prepared on 10/29/2013 and analyzed on 11/02/2013.

TestAmerica Denver’s practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The continuing calibration verification (CCV) for Toxaphene associated with analytical batch 280-198855 recovered above the upper control limit. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been flagged “Q” and reported.

The following sample required a Florisil clean-up to reduce matrix interferences: AOI474BF (280-48486-1).

No other difficulties were encountered during the pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Sample AOI474BF (280-48486-1) was analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082. The sample was prepared on 10/29/2013 and analyzed on 11/01/2013.

TestAmerica Denver's practice for the reporting of dual column data in packages requiring forms and/or raw data is to report the surrogates from both columns, and the preferred result for any given target analyte from the analyst selected column. The preferred results for target analytes and surrogates are reported as PRIMARY on the Sample Datasheets.

The following samples underwent a sulfuric acid clean-up, via EPA Method 3665A, to reduce matrix interferences: (LCS 280-198319/4-A), (MB 280-198319/1-A), and AOI474BF (280-48486-1).

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Sample AOI474BF (280-48486-1) was analyzed for Total Metals (ICP) in accordance with EPA SW-846 Method 6010C. The sample was prepared on 11/08/2013 and analyzed on 11/08/2013, 11/11/2013 and 11/14/2013.

Zinc was detected in method blank MB 280-199600/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged "J". However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

The analysis of the ICSA solution, which is used as the interference check standard, shows results for Manganese, Strontium, and Vanadium at a level greater than the LOD for analytical batch 280-200251. We believe that the solution contains trace impurities of these elements and that the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. The associated sample results have been flagged "Q" for these elements.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY (CVAA)

Sample AOI474BF (280-48486-1) was analyzed for total mercury (CVAA) in accordance with EPA SW-846 Method 7471B. The sample was prepared and analyzed on 11/13/2013.

No difficulties were encountered during the mercury analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Sample AOI474BF (280-48486-1) was analyzed for percent solids in accordance with EPA SW846 3550C. The sample was analyzed on 10/30/2013.

No difficulties were encountered during the % solids analysis.

All quality control parameters were within the acceptance limits.

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD5 280-196035/11 IC Client Sample ID:

Date Analyzed: 10/15/13 15:40 Lab File ID: 10150011.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endosulfan sulfate	7.69	Incomplete Integration	wellsd	10/15/13 20:58

Lab Sample ID: STD6 280-196035/25 IC Client Sample ID:

Date Analyzed: 10/15/13 19:30 Lab File ID: 10150025.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:04

Lab Sample ID: STD5 280-196035/26 IC Client Sample ID:

Date Analyzed: 10/15/13 19:46 Lab File ID: 10150026.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:05

11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD4 280-196035/27 IC Client Sample ID:

Date Analyzed: 10/15/13 20:02 Lab File ID: 10150027.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

8081B

JR 11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD2 280-196035/29 IC Client Sample ID:

Date Analyzed: 10/15/13 20:35 Lab File ID: 10150029.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:07

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 22:19

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:19

8081B

11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 22:20

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:20

JR 11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/11 Client Sample ID:

Date Analyzed: 11/01/13 13:11 Lab File ID: 11010011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:20

Lab Sample ID: CCV 280-198855/40 Client Sample ID:

Date Analyzed: 11/01/13 21:27 Lab File ID: 11010040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: MB 280-198319/1-A Client Sample ID:

Date Analyzed: 11/01/13 21:43 Lab File ID: 11010041.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	4.42	Baseline Smoothing	wellsd	11/04/13 06:29
beta-BHC	4.82	Baseline Smoothing	wellsd	11/04/13 06:29

JR 11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: LCS 280-198319/3-A Client Sample ID:

Date Analyzed: 11/01/13 22:00 Lab File ID: 11010042.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: CCV 280-198855/53 Client Sample ID:

Date Analyzed: 11/02/13 01:00 Lab File ID: 11010053.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:32

Lab Sample ID: PEM 280-198855/54 Client Sample ID:

Date Analyzed: 11/02/13 01:17 Lab File ID: 11010054.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	6.90	Baseline Smoothing	wellsd	11/04/13 06:32
4,4'-DDD	7.02	Baseline Smoothing	wellsd	11/04/13 06:32
Endrin aldehyde	7.44	Baseline Smoothing	wellsd	11/04/13 06:32

11/8/13

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/63 Client Sample ID:

Date Analyzed: 11/02/13 03:44 Lab File ID: 11010063.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:45

JR 11/8/13

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL62154 280-197868/9 IC Client Sample ID:

Date Analyzed: 10/25/13 18:02 Lab File ID: 10251309.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.16	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.37	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.66	Baseline Smoothing	jacksonto	10/26/13 10:23

Lab Sample ID: STDL42154 280-197868/11 I Client Sample ID:

Date Analyzed: 10/25/13 18:48 Lab File ID: 10251311.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:23

11/4/13

8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL41660 280-197868/18 I Client Sample ID:

Date Analyzed: 10/25/13 21:30 Lab File ID: 10251318.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:32

Lab Sample ID: STDL13262 280-197868/28 I Client Sample ID:

Date Analyzed: 10/26/13 01:22 Lab File ID: 10251328.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1262 Peak 1	8.70	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 2	9.87	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 3	10.30	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 4	10.86	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 5	11.42	Split Peak	jacksonto	10/29/13 10:53

11/4/13

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.05	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.76	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.63	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.18	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	8.38	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP2 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.07	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.74	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.89	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.32	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	7.39	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:42

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8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	4.23	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 2	4.42	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 3	4.50	Instrument noise	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/38 Client Sample ID:

Date Analyzed: 10/26/13 05:14 Lab File ID: 10251338.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/39 Client Sample ID:

Date Analyzed: 10/26/13 05:37 Lab File ID: 10251339.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	4.26	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 2	4.53	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 3	5.76	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 4	5.97	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:43

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8082A

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 198824

Lab Sample ID: CCV 280-198824/38 Client Sample ID:

Date Analyzed: 11/01/13 22:28 Lab File ID: 11011338.D GC Column: CLP1 ID: 0.32 (mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 2	5.75	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 3	5.96	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 4	6.06	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 5	6.62	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 1	8.68	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 2	9.65	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 3	10.29	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 4	10.84	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 5	11.34	Baseline Smoothing	jacksonto	11/02/13 08:47

11/4/13

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD1 280-196983/11 IC Client Sample ID:

Date Analyzed: 10/21/13 17:32 Lab File ID: J8876.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:52
1,1,2-Trichloro-1,2,2-trifluoroethane	5.66	Assign Peak	dukesa	10/21/13 19:48
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:48

Lab Sample ID: STD2 280-196983/12 IC Client Sample ID:

Date Analyzed: 10/21/13 17:54 Lab File ID: J8877.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.70	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD5 280-196983/13 IC Client Sample ID:

Date Analyzed: 10/21/13 18:15 Lab File ID: J8878.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.68	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD10 280-196983/14 IC Client Sample ID:

Date Analyzed: 10/21/13 18:37 Lab File ID: J8879.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:39

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD20 280-196983/15 IC Client Sample ID:

Date Analyzed: 10/21/13 18:59 Lab File ID: J8880.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:38
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 20:37

Lab Sample ID: STD50 280-196983/16 IC Client Sample ID:

Date Analyzed: 10/21/13 19:20 Lab File ID: J8881.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:46

Lab Sample ID: ICV 280-196983/19 Client Sample ID:

Date Analyzed: 10/21/13 20:24 Lab File ID: J8884.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 23:51

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: ICIS 280-197081/25 Client Sample ID:

Date Analyzed: 10/22/13 07:51 Lab File ID: B2-2655.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 08:24

Lab Sample ID: STD010 280-197081/27 IC Client Sample ID:

Date Analyzed: 10/22/13 08:51 Lab File ID: B2-2657.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 09:24

Lab Sample ID: STD050 280-197081/29 IC Client Sample ID:

Date Analyzed: 10/22/13 09:52 Lab File ID: B2-2659.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 10:53

Lab Sample ID: STD120 280-197081/30 IC Client Sample ID:

Date Analyzed: 10/22/13 10:22 Lab File ID: B2-2660.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 10:58

Lab Sample ID: STD160 280-197081/31 IC Client Sample ID:

Date Analyzed: 10/22/13 10:53 Lab File ID: B2-2661.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 12:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: STD200 280-197081/32 IC Client Sample ID:

Date Analyzed: 10/22/13 11:23 Lab File ID: B2-2662.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.76	Shouldering	kiekeld	10/22/13 12:43

Lab Sample ID: ICV 280-197081/33 Client Sample ID:

Date Analyzed: 10/22/13 11:54 Lab File ID: B2-2663.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2'-oxybis[1-chloropropane]	4.86	Split Peak	kiekeld	10/22/13 12:45
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 12:45

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD080 280-197087/15 IC Client Sample ID:

Date Analyzed: 10/22/13 13:34 Lab File ID: B2-2667.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 14:19

Lab Sample ID: STD010 280-197087/16 IC Client Sample ID:

Date Analyzed: 10/22/13 14:03 Lab File ID: B2-2668.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:12
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:12

Lab Sample ID: STD020 280-197087/17 IC Client Sample ID:

Date Analyzed: 10/22/13 14:32 Lab File ID: B2-2669.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:14

Lab Sample ID: STD050 280-197087/18 IC Client Sample ID:

Date Analyzed: 10/22/13 15:01 Lab File ID: B2-2670.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:16

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD120 280-197087/19 IC Client Sample ID:

Date Analyzed: 10/22/13 15:30 Lab File ID: B2-2671.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:18
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 21:18

Lab Sample ID: STD160 280-197087/20 IC Client Sample ID:

Date Analyzed: 10/22/13 15:58 Lab File ID: B2-2672.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.73	Split Peak	kiekeld	10/22/13 21:20

Lab Sample ID: STD200 280-197087/21 IC Client Sample ID:

Date Analyzed: 10/22/13 16:27 Lab File ID: B2-2673.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:23

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 198682

Lab Sample ID: CCV 280-198682/3 Client Sample ID:

Date Analyzed: 10/31/13 11:26 Lab File ID: B2-2864.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.69	Shouldering	kiekeld	10/31/13 11:52

Lab Sample ID: LCS 280-198371/2-A Client Sample ID:

Date Analyzed: 10/31/13 14:10 Lab File ID: B2-2870.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	10/31/13 14:53

Lab Sample ID: 280-48486-1 MS Client Sample ID: AOI474BF MS

Date Analyzed: 10/31/13 19:06 Lab File ID: B2-2880.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:46

Lab Sample ID: 280-48486-1 MSD Client Sample ID: AOI474BF MSD

Date Analyzed: 10/31/13 19:35 Lab File ID: B2-2881.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:48

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD5 280-196035/11 IC Client Sample ID:

Date Analyzed: 10/15/13 15:40 Lab File ID: 10150011.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endosulfan sulfate	7.69	Incomplete Integration	wellsd	10/15/13 20:58

Lab Sample ID: STD6 280-196035/25 IC Client Sample ID:

Date Analyzed: 10/15/13 19:30 Lab File ID: 10150025.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:04
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:04

Lab Sample ID: STD5 280-196035/26 IC Client Sample ID:

Date Analyzed: 10/15/13 19:46 Lab File ID: 10150026.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:05
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 21:05

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD4 280-196035/27 IC Client Sample ID:

Date Analyzed: 10/15/13 20:02 Lab File ID: 10150027.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:06

Lab Sample ID: STD3 280-196035/28 IC Client Sample ID:

Date Analyzed: 10/15/13 20:19 Lab File ID: 10150028.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 21:06
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 21:06

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: STD2 280-196035/29 IC Client Sample ID:

Date Analyzed: 10/15/13 20:35 Lab File ID: 10150029.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 21:07
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 21:07

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	10/15/13 22:19

Lab Sample ID: STD1 280-196035/30 IC Client Sample ID:

Date Analyzed: 10/15/13 20:52 Lab File ID: 10150030.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:19
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:19

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 196035

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.15	Baseline Smoothing	wellsd	10/15/13 22:20

Lab Sample ID: ICV 280-196035/31 Client Sample ID:

Date Analyzed: 10/15/13 21:08 Lab File ID: 10150031.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.56	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 2	6.83	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 3	7.18	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 4	7.43	Baseline Smoothing	wellsd	10/15/13 22:20
Toxaphene Peak 5	8.27	Baseline Smoothing	wellsd	10/15/13 22:20

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/11 Client Sample ID:

Date Analyzed: 11/01/13 13:11 Lab File ID: 11010011.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:20
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:20

Lab Sample ID: CCV 280-198855/40 Client Sample ID:

Date Analyzed: 11/01/13 21:27 Lab File ID: 11010040.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.24	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: MB 280-198319/1-A Client Sample ID:

Date Analyzed: 11/01/13 21:43 Lab File ID: 11010041.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha-BHC	4.42	Baseline Smoothing	wellsd	11/04/13 06:29
beta-BHC	4.82	Baseline Smoothing	wellsd	11/04/13 06:29

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: LCS 280-198319/3-A Client Sample ID:

Date Analyzed: 11/01/13 22:00 Lab File ID: 11010042.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:29
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:29

Lab Sample ID: CCV 280-198855/53 Client Sample ID:

Date Analyzed: 11/02/13 01:00 Lab File ID: 11010053.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:32
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:32

Lab Sample ID: PEM 280-198855/54 Client Sample ID:

Date Analyzed: 11/02/13 01:17 Lab File ID: 11010054.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Endrin	6.90	Baseline Smoothing	wellsd	11/04/13 06:32
4,4'-DDD	7.02	Baseline Smoothing	wellsd	11/04/13 06:32
Endrin aldehyde	7.44	Baseline Smoothing	wellsd	11/04/13 06:32

GC SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Analysis Batch Number: 198855

Lab Sample ID: CCV 280-198855/63 Client Sample ID:

Date Analyzed: 11/02/13 03:44 Lab File ID: 11010063.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Toxaphene Peak 1	6.23	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 2	6.72	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 3	7.41	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 4	7.81	Baseline Smoothing	wellsd	11/04/13 06:45
Toxaphene Peak 5	8.14	Baseline Smoothing	wellsd	11/04/13 06:45

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL62154 280-197868/9 IC Client Sample ID:

Date Analyzed: 10/25/13 18:02 Lab File ID: 10251309.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.16	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.37	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.66	Baseline Smoothing	jacksonto	10/26/13 10:23

Lab Sample ID: STDL42154 280-197868/11 I Client Sample ID:

Date Analyzed: 10/25/13 18:48 Lab File ID: 10251311.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:23
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:23

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: STDL41660 280-197868/18 I Client Sample ID:

Date Analyzed: 10/25/13 21:30 Lab File ID: 10251318.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:32
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:32

Lab Sample ID: STDL13262 280-197868/28 I Client Sample ID:

Date Analyzed: 10/26/13 01:22 Lab File ID: 10251328.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1262 Peak 1	8.70	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 2	9.87	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 3	10.30	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 4	10.86	Split Peak	jacksonto	10/29/13 10:53
PCB-1262 Peak 5	11.42	Split Peak	jacksonto	10/29/13 10:53

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.05	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.76	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.63	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.18	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	8.38	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/36 Client Sample ID:

Date Analyzed: 10/26/13 04:27 Lab File ID: 10251336.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1248 Peak 1	5.07	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 2	5.74	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 3	6.89	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 4	7.32	Instrument noise	jacksonto	10/29/13 12:11
PCB-1248 Peak 5	7.39	Instrument noise	jacksonto	10/29/13 12:11

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1254 Peak 1	7.26	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 2	8.17	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 3	8.38	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 4	9.18	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1254 Peak 5	9.67	Baseline Smoothing	jacksonto	10/26/13 10:42

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 197868

Lab Sample ID: ICV 280-197868/37 Client Sample ID:

Date Analyzed: 10/26/13 04:51 Lab File ID: 10251337.D GC Column: CLP2 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1221 Peak 1	4.23	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 2	4.42	Instrument noise	jacksonto	10/26/13 10:42
PCB-1221 Peak 3	4.50	Instrument noise	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/38 Client Sample ID:

Date Analyzed: 10/26/13 05:14 Lab File ID: 10251338.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 2	5.76	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 3	5.97	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 4	6.07	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1016 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 1	8.69	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 2	9.66	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 3	10.30	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 4	10.85	Baseline Smoothing	jacksonto	10/26/13 10:42
PCB-1260 Peak 5	11.36	Baseline Smoothing	jacksonto	10/26/13 10:42

Lab Sample ID: ICV 280-197868/39 Client Sample ID:

Date Analyzed: 10/26/13 05:37 Lab File ID: 10251339.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1232 Peak 1	4.26	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 2	4.53	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 3	5.76	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 4	5.97	Baseline Smoothing	jacksonto	10/26/13 10:43
PCB-1232 Peak 5	6.63	Baseline Smoothing	jacksonto	10/26/13 10:43

PCBS MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Analysis Batch Number: 198824

Lab Sample ID: CCV 280-198824/38 Client Sample ID:

Date Analyzed: 11/01/13 22:28 Lab File ID: 11011338.D GC Column: CLP1 ID: 0.32(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
PCB-1016 Peak 1	5.05	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 2	5.75	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 3	5.96	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 4	6.06	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1016 Peak 5	6.62	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 1	8.68	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 2	9.65	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 3	10.29	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 4	10.84	Baseline Smoothing	jacksonto	11/02/13 08:47
PCB-1260 Peak 5	11.34	Baseline Smoothing	jacksonto	11/02/13 08:47

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD1 280-196983/11 IC Client Sample ID:

Date Analyzed: 10/21/13 17:32 Lab File ID: J8876.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:52
1,1,2-Trichloro-1,2,2-trifluoroethane	5.66	Assign Peak	dukesa	10/21/13 19:48
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:48

Lab Sample ID: STD2 280-196983/12 IC Client Sample ID:

Date Analyzed: 10/21/13 17:54 Lab File ID: J8877.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.70	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD5 280-196983/13 IC Client Sample ID:

Date Analyzed: 10/21/13 18:15 Lab File ID: J8878.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.67	Assign Peak	dukesa	10/21/13 19:47
1,1-Dichloroethene	5.68	Assign Peak	dukesa	10/21/13 19:47

Lab Sample ID: STD10 280-196983/14 IC Client Sample ID:

Date Analyzed: 10/21/13 18:37 Lab File ID: J8879.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:39

GRS 11/4/13

GC/MS VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Analysis Batch Number: 196983

Lab Sample ID: STD20 280-196983/15 IC Client Sample ID:

Date Analyzed: 10/21/13 18:59 Lab File ID: J8880.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:51
Acetone	5.66	Assign Peak	dukesa	10/21/13 19:38
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 20:37

Lab Sample ID: STD50 280-196983/16 IC Client Sample ID:

Date Analyzed: 10/21/13 19:20 Lab File ID: J8881.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Ethyl ether	5.40	Assign Peak	dukesa	10/21/13 19:46

Lab Sample ID: ICV 280-196983/19 Client Sample ID:

Date Analyzed: 10/21/13 20:24 Lab File ID: J8884.D GC Column: DB-624 (75.53) ID: 0.53(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,2,3-Trichloropropane	11.93	Assign Peak	dukesa	10/21/13 23:51

9/23
11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: ICIS 280-197081/25 Client Sample ID:

Date Analyzed: 10/22/13 07:51 Lab File ID: B2-2655.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 08:24

Lab Sample ID: STD010 280-197081/27 IC Client Sample ID:

Date Analyzed: 10/22/13 08:51 Lab File ID: B2-2657.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 09:24

Lab Sample ID: STD050 280-197081/29 IC Client Sample ID:

Date Analyzed: 10/22/13 09:52 Lab File ID: B2-2659.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.72	Shouldering	kiekeld	10/22/13 10:53

Lab Sample ID: STD120 280-197081/30 IC Client Sample ID:

Date Analyzed: 10/22/13 10:22 Lab File ID: B2-2660.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 10:58

Lab Sample ID: STD160 280-197081/31 IC Client Sample ID:

Date Analyzed: 10/22/13 10:53 Lab File ID: B2-2661.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.75	Shouldering	kiekeld	10/22/13 12:40

qm 11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197081

Lab Sample ID: STD200 280-197081/32 IC Client Sample ID:

Date Analyzed: 10/22/13 11:23 Lab File ID: B2-2662.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.76	Shouldering	kiekeld	10/22/13 12:43

Lab Sample ID: ICV 280-197081/33 Client Sample ID:

Date Analyzed: 10/22/13 11:54 Lab File ID: B2-2663.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,2'-oxybis[1-chloropropane]	4.86	Split Peak	kiekeld	10/22/13 12:45
Indeno[1,2,3-cd]pyrene	20.74	Shouldering	kiekeld	10/22/13 12:45

gms 11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD080 280-197087/15 IC Client Sample ID:

Date Analyzed: 10/22/13 13:34 Lab File ID: B2-2667.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 14:19

Lab Sample ID: STD010 280-197087/16 IC Client Sample ID:

Date Analyzed: 10/22/13 14:03 Lab File ID: B2-2668.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:12
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:12

Lab Sample ID: STD020 280-197087/17 IC Client Sample ID:

Date Analyzed: 10/22/13 14:32 Lab File ID: B2-2669.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.68	Split Peak	kiekeld	10/22/13 21:14

Lab Sample ID: STD050 280-197087/18 IC Client Sample ID:

Date Analyzed: 10/22/13 15:01 Lab File ID: B2-2670.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitroquinoline-1-oxide	10.07	Split Peak	kiekeld	10/22/13 21:16

qms
11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 197087

Lab Sample ID: STD120 280-197087/19 IC Client Sample ID:

Date Analyzed: 10/22/13 15:30 Lab File ID: B2-2671.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:18
4-Nitroquinoline-1-oxide	10.05	Split Peak	kiekeld	10/22/13 21:18

Lab Sample ID: STD160 280-197087/20 IC Client Sample ID:

Date Analyzed: 10/22/13 15:58 Lab File ID: B2-2672.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.73	Split Peak	kiekeld	10/22/13 21:20

Lab Sample ID: STD200 280-197087/21 IC Client Sample ID:

Date Analyzed: 10/22/13 16:27 Lab File ID: B2-2673.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
alpha,alpha-Dimethyl phenethylamine	5.72	Split Peak	kiekeld	10/22/13 21:23

11/4/13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Analysis Batch Number: 198682

Lab Sample ID: CCV 280-198682/3 Client Sample ID:

Date Analyzed: 10/31/13 11:26 Lab File ID: B2-2864.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.69	Shouldering	kiekeld	10/31/13 11:52

Lab Sample ID: LCS 280-198371/2-A Client Sample ID:

Date Analyzed: 10/31/13 14:10 Lab File ID: B2-2870.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	10/31/13 14:53

Lab Sample ID: 280-48486-1 MS Client Sample ID: AOI474BF MS

Date Analyzed: 10/31/13 19:06 Lab File ID: B2-2880.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:46

Lab Sample ID: 280-48486-1 MSD Client Sample ID: AOI474BF MSD

Date Analyzed: 10/31/13 19:35 Lab File ID: B2-2881.D GC Column: Vf-5MS (30.25) ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	20.68	Shouldering	kiekeld	11/01/13 09:48

qm3 11/4/13

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-48486-1	AOI474BF	Solid	10/25/2013 1100	10/28/2013 0835

EXECUTIVE SUMMARY - Detections

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Sample ID / Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
280-48486-1	**AOI474BF**					
Methylene Chloride		4.7	J B	5.5	ug/Kg	8260B/DoD
Benzo[a]anthracene		23	J	360	ug/Kg	8270D/DoD
Benzo[a]pyrene		22	J	360	ug/Kg	8270D/DoD
Benzo[b]fluoranthene		28	J K	360	ug/Kg	8270D/DoD
Dimethyl phthalate		100	J	360	ug/Kg	8270D/DoD
Fluoranthene		40	J	360	ug/Kg	8270D/DoD
Phenanthrene		20	J	360	ug/Kg	8270D/DoD
Pyrene		37	J	430	ug/Kg	8270D/DoD
4,4'-DDE		0.86	J	1.9	ug/Kg	8081B
Aluminum		5300		55	mg/Kg	6010C
Arsenic		3.9		2.8	mg/Kg	6010C
Barium		24		2.2	mg/Kg	6010C
Beryllium		0.26	J	0.55	mg/Kg	6010C
Boron		2.2	J	11	mg/Kg	6010C
Cadmium		0.11	J	0.55	mg/Kg	6010C
Calcium		12000		110	mg/Kg	6010C
Chromium		5.9		3.9	mg/Kg	6010C
Cobalt		4.0		1.1	mg/Kg	6010C
Copper		14		5.5	mg/Kg	6010C
Iron		11000		88	mg/Kg	6010C
Lead		5.2		0.99	mg/Kg	6010C
Magnesium		3200		33	mg/Kg	6010C
Manganese		420	Q	5.0	mg/Kg	6010C
Nickel		8.5		4.4	mg/Kg	6010C
Potassium		770		330	mg/Kg	6010C
Strontium		19	Q	1.7	mg/Kg	6010C
Vanadium		9.5	Q	2.2	mg/Kg	6010C
Zinc		29		8.8	mg/Kg	6010C
Mercury		13	J	20	ug/Kg	7471B
Percent Moisture		10		0.10	%	Moisture
Percent Solids		90		0.10	%	Moisture

METHOD SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48486-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds (GC/MS)	TAL DEN	SW846 8260B/DoD	
Purge and Trap	TAL DEN		SW846 5030B
Semivolatile Organic Compounds (GC/MS)	TAL DEN	SW846 8270D/DoD	
Ultrasonic Extraction	TAL DEN		SW846 3550C
Organochlorine Pesticides (GC)	TAL DEN	SW846 8081B	
Microwave Extraction	TAL DEN		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL DEN	SW846 8082A	
Microwave Extraction	TAL DEN		SW846 3546
Metals (ICP)	TAL DEN	SW846 6010C	
Preparation, Metals	TAL DEN		SW846 3050B
Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)	TAL DEN	SW846 7471B	
Preparation, Mercury	TAL DEN		SW846 7471B
Percent Moisture	TAL DEN	EPA Moisture	

Lab References:

TAL DEN = TestAmerica Denver

Method References:

EPA = US Environmental Protection Agency

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

METHOD / ANALYST SUMMARY

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method	Analyst	Analyst ID
SW846 8260B/DoD	Dukes, Aaron D	ADD
SW846 8270D/DoD	Kiekel, Daniel C	DCK
SW846 8081B	Wells, David A	DAW
SW846 8082A	Jackson, Todd D	TDJ
SW846 6010C	Harre, John K	JKH
SW846 7471B	Mooney, Joseph C	JM
EPA Moisture	Neeley, Beth A	BAN

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-198393	Lab File ID:	J9017.D
Dilution:	1.0			Initial Weight/Volume:	5.033 g
Analysis Date:	10/29/2013 2317			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.1	U	0.62	5.5
1,1,1-Trichloroethane		1.1	U	0.57	5.5
1,1,2,2-Tetrachloroethane		1.1	U	0.67	5.5
1,1,2-Trichloro-1,2,2-trifluoroethane		22	U	0.50	22
1,1,2-Trichloroethane		1.1	U	0.97	5.5
1,1-Dichloroethane		0.88	U	0.23	5.5
1,1-Dichloroethene		1.1	U	0.65	5.5
1,1-Dichloropropene		1.1	U	0.60	5.5
1,2,3-Trichlorobenzene		1.1	U J	0.83	5.5
1,2,3-Trichloropropane		1.1	U	0.90	5.5
1,2,4-Trichlorobenzene		1.1	U J	0.81	5.5
1,2,4-Trimethylbenzene		1.1	U	0.64	5.5
1,2-Dibromo-3-Chloropropane		1.1	U	0.66	11
1,2-Dichlorobenzene		1.1	U	0.50	5.5
1,2-Dichloroethane		1.1	U	0.77	5.5
1,2-Dichloropropane		1.1	U	0.61	5.5
1,3,5-Trimethylbenzene		1.1	U	0.63	5.5
1,3-Dichlorobenzene		1.1	U	0.53	5.5
1,3-Dichloropropane		1.1	U	0.56	5.5
1,4-Dichlorobenzene		1.1	U	0.86	5.5
1,4-Dioxane		88	U	62	550
1-Chlorohexane		0.88	U	0.70	5.5
2,2-Dichloropropane		1.1	U	0.49	5.5
2-Butanone (MEK)		7.1	U J	2.0	22
2-Chlorotoluene		1.1	U	0.56	5.5
2-Hexanone		11	U J	5.4	22
4-Chlorotoluene		1.1	U	0.86	5.5
4-Isopropyltoluene		1.1	U	0.54	5.5
4-Methyl-2-pentanone (MIBK)		11	U J	4.8	22
Acetone		11	U J	5.9	22
Benzene		1.1	U	0.52	5.5
Bromobenzene		1.1	U	0.54	5.5
Bromoform		0.88	U	0.25	5.5
Bromomethane		1.1	U J	0.55	11
Carbon disulfide		1.1	U	0.46	5.5
Carbon tetrachloride		1.1	U	0.70	5.5
Chlorobenzene		1.1	U	0.60	5.5
Chlorobromomethane		1.1	U	0.33	5.5
Chlorodibromomethane		1.1	U	0.63	5.5
Chloroethane		1.1	U J	0.98	11
Chloroform		1.1	U	0.32	11
Chloromethane		1.1	U	0.85	11
cis-1,2-Dichloroethene		1.1	U	0.62	5.5
cis-1,3-Dichloropropene		2.2	U	1.4	5.5
Cyclohexane		1.8	U	0.44	5.5
Dibromomethane		1.1	U	0.93	5.5

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-198393	Lab File ID:	J9017.D
Dilution:	1.0			Initial Weight/Volume:	5.033 g
Analysis Date:	10/29/2013 2317			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Dichlorobromomethane		0.88	U	0.24	5.5
Dichlorodifluoromethane		1.1	U	0.57	11
Ethylbenzene		1.1	U	0.74	5.5
Ethylene Dibromide		1.1	U	0.57	5.5
Hexachlorobutadiene		1.1	U	0.61	5.5
Isopropylbenzene		1.1	U	0.65	5.5
Methyl acetate		4.4	U	3.0	9.4
Methyl tert-butyl ether		1.1	U	0.38	22
Methylcyclohexane		0.88	U	0.46	5.5
Methylene Chloride		4.7	J B	1.8	5.5
m-Xylene & p-Xylene		2.2	U	1.1	3.5
Naphthalene		1.1	U	0.70	5.5
n-Butylbenzene		1.1	U	0.62	5.5
N-Propylbenzene		1.1	U	0.64	5.5
o-Xylene		1.1	U	0.67	5.5
sec-Butylbenzene		1.1	U	0.85	5.5
Styrene		1.1	U	0.70	5.5
tert-Butylbenzene		1.1	U	0.55	5.5
Tetrachloroethene		1.1	U	0.65	5.5
Toluene		1.1	U	0.76	5.5
trans-1,2-Dichloroethene		1.1	U	0.43	5.5
trans-1,3-Dichloropropene		1.1	U	0.74	5.5
Trichloroethene		0.88	U	0.25	5.5
Trichlorofluoromethane		2.2	U	1.1	11
Vinyl chloride		2.2	U J	1.5	5.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		61 - 129
4-Bromofluorobenzene (Surr)	103		85 - 120
Dibromofluoromethane (Surr)	96		71 - 126
Toluene-d8 (Surr)	100		85 - 115

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-198371	Lab File ID:	B2-2879.D
Dilution:	1.0			Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1836			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1'-Biphenyl		180	U	54	360
1,2,4,5-Tetrachlorobenzene		72	U	53	360
1,2,4-Trichlorobenzene		36	U	30	360
1,2-Dichlorobenzene		36	U	24	360
1,2-Diphenylhydrazine		36	U	24	360
1,3-Dichlorobenzene		36	U	13	360
1,4-Dichlorobenzene		36	U	15	360
2,2'-oxybis[1-chloropropane]		36	U	25	360
2,3,4,6-Tetrachlorophenol		180	U	150	1700
2,4,5-Trichlorophenol		140	U	11	360
2,4,6-Trichlorophenol		71	U	11	360
2,4-Dichlorophenol		71	U	11	360
2,4-Dimethylphenol		140	U	71	360
2,4-Dinitrophenol		720	U	360	1700
2,4-Dinitrotoluene		140	U	71	360
2,6-Dichlorophenol		140	U	74	360
2,6-Dinitrotoluene		71	U	30	360
2-Chloronaphthalene		36	U	11	360
2-Chlorophenol		36	U	23	360
2-Methylnaphthalene		36	U	20	360
2-Methylphenol		36	U	14	360
2-Nitroaniline		71	U	54	1700
2-Nitrophenol		71	U	11	360
3 & 4 Methylphenol		71	U	36	360
3,3'-Dichlorobenzidine		360	U	97	1700
3-Nitroaniline		140	U	79	1700
4,6-Dinitro-2-methylphenol		710	U	360	1700
4-Bromophenyl phenyl ether		36	U	20	360
4-Chloro-3-methylphenol		140	U	71	360
4-Chloroaniline		140	U	88	360
4-Chlorophenyl phenyl ether		71	U	23	360
4-Nitroaniline		140	U	78	1700
4-Nitrophenol		360	U	100	1700
Acenaphthene		18	U	11	360
Acenaphthylene		36	U	18	360
Acetophenone		36	U	22	360
Anthracene		36	U	18	360
Atrazine		140	U	40	360
Benzaldehyde		72	U	42	360
Benzidine		4300	U	1100	4300
Benzo[a]anthracene		23	J	22	360
Benzo[a]pyrene		22	J	22	360
Benzo[b]fluoranthene		28	J K	28	360
Benzo[g,h,i]perylene		36	U	17	360
Benzo[k]fluoranthene		71	U K	43	360
Benzoic acid		710	U	360	1700

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D/DoD	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Prep Method:	3550C	Prep Batch:	280-198371	Lab File ID:	B2-2879.D
Dilution:	1.0			Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1836			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Benzyl alcohol		36	U	11	360
Bis(2-chloroethoxy)methane		71	U	25	360
Bis(2-chloroethyl)ether		36	U	18	360
Bis(2-ethylhexyl) phthalate		71	U	50	360
Butyl benzyl phthalate		71	U	46	360
Caprolactam		360	U	110	1700
Carbazole		72	U	39	360
Chrysene		36	U	29	360
Dibenz(a,h)anthracene		36	U	20	360
Dibenzofuran		36	U	22	360
Diethyl phthalate		36	U	28	710
Dimethyl phthalate		100	J	25	360
Di-n-butyl phthalate		36	U	31	360
Di-n-octyl phthalate		71	U	16	360
Fluoranthene		40	J	39	360
Fluorene		36	U	19	360
Hexachlorobenzene		71	U	31	360
Hexachlorobutadiene		71	U	11	360
Hexachlorocyclopentadiene		71	U	54	1800
Hexachloroethane		36	U	23	360
Indeno[1,2,3-cd]pyrene		36	U	24	360
Isophorone		36	U	18	360
Naphthalene		71	U	33	360
Nitrobenzene		36	U	24	360
N-Nitrosodimethylamine		71	U	40	560
N-Nitrosodi-n-propylamine		71	U	33	360
N-Nitrosodiphenylamine		36	U	23	360
N-Nitrosopyrrolidine		140	U	69	360
Pentachlorophenol		720	U	360	1700
Phenanthrene		20	J	18	360
Phenol		36	U	19	360
Pyrene		37	J	13	430

Surrogate	%Rec	Qualifier	Acceptance Limits
2,4,6-Tribromophenol (Surr)	68		35 - 125
2-Fluorobiphenyl	63		45 - 105
2-Fluorophenol (Surr)	69		35 - 105
Nitrobenzene-d5 (Surr)	66		35 - 100
Phenol-d5 (Surr)	71		40 - 100
Terphenyl-d14 (Surr)	74		30 - 125

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-198319	Initial Weight/Volume:	30.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	11/02/2013 0328			Injection Volume:	1 uL
Prep Date:	10/29/2013 1850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
4,4'-DDD		0.77	U	0.61	1.9
4,4'-DDE		0.86	J	0.26	1.9
4,4'-DDT		0.77	U	0.65	2.2
Aldrin		0.51	U	0.28	1.9
alpha-BHC		0.51	U	0.24	1.9
alpha-Chlordane		0.51	U	0.36	1.9
beta-BHC		0.77	U	0.74	1.9
delta-BHC		0.77	U	0.44	1.9
Dieldrin		0.51	U	0.23	1.9
Endosulfan I		0.51	U	0.20	1.9
Endosulfan II		0.51	U	0.32	1.9
Endosulfan sulfate		0.51	U	0.31	1.9
Endrin		0.51	U	0.34	1.9
Endrin aldehyde		0.51	U	0.19	1.9
Endrin ketone		0.77	U	0.54	1.9
gamma-BHC (Lindane)		0.77	U	0.51	1.9
gamma-Chlordane		0.77	U	0.30	1.9
Heptachlor		0.51	U	0.24	1.9
Heptachlor epoxide		0.77	U	0.47	1.9
Methoxychlor		0.77	U	0.50	3.7
Toxaphene		30	U Q	18	190

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	86		55 - 130
Tetrachloro-m-xylene	85		70 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1
Client Matrix: Solid
% Moisture: 10.1

Date Sampled: 10/25/2013 1100
Date Received: 10/28/2013 0835

8081B Organochlorine Pesticides (GC)

Analysis Method:	8081B	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Prep Method:	3546	Prep Batch:	280-198319	Initial Weight/Volume:	30.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	11/02/2013 0328			Injection Volume:	1 uL
Prep Date:	10/29/2013 1850			Result Type:	SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		55 - 130
Tetrachloro-m-xylene	97		70 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 10/25/2013 1100
Date Received: 10/28/2013 0835

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method:	8082A	Analysis Batch:	280-198824	Instrument ID:	SGC_W
Prep Method:	3546	Prep Batch:	280-198319	Initial Weight/Volume:	30.1 g
Dilution:	1.0			Final Weight/Volume:	10000 uL
Analysis Date:	11/01/2013 2142			Injection Volume:	1 uL
Prep Date:	10/29/2013 1850			Result Type:	PRIMARY

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
PCB-1016		11	U	5.6	37
PCB-1221		22	U	17	37
PCB-1232		17	U	5.7	37
PCB-1242		11	U	10	37
PCB-1248		11	U	6.2	37
PCB-1254		11	U	6.1	37
PCB-1260		11	U	2.9	37

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	89		60 - 125
Tetrachloro-m-xylene	86		53 - 128

Client: FPM Remediations Inc | Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 | Date Sampled: 10/25/2013 1100
Client Matrix: Solid | % Moisture: 10.1 | Date Received: 10/28/2013 0835

6010C Metals (ICP)

Analysis Method:	6010C	Analysis Batch:	280-200251	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/08/2013 2021			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Arsenic		3.9		0.73	2.8
Barium		24		0.084	2.2
Beryllium		0.26	J	0.036	0.55
Cadmium		0.11	J	0.045	0.55
Calcium		12000		16	110
Chromium		5.9		0.064	3.9
Cobalt		4.0		0.11	1.1
Copper		14		0.24	5.5
Iron		11000		4.2	88
Lead		5.2		0.30	0.99
Magnesium		3200		4.1	33
Manganese		420	Q	0.11	5.0
Molybdenum		0.55	U	0.29	2.8
Nickel		8.5		0.14	4.4
Potassium		770		45	330
Selenium		1.3	U	0.95	3.3
Silver		0.22	U	0.18	1.7
Sodium		110	U	65	550
Strontium		19	Q	0.040	1.7
Thallium		1.3	U	0.72	3.3
Vanadium		9.5	Q	0.10	2.2
Zinc		29		0.44	8.8

Analysis Method:	6010C	Analysis Batch:	280-200481	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/11/2013 1922			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Aluminum		5300		1.7	55
Boron		2.2	J	1.1	11

Analysis Method:	6010C	Analysis Batch:	280-201175	Instrument ID:	MT_025
Prep Method:	3050B	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	1.01 g
Analysis Date:	11/14/2013 1748			Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	DL	LOQ
Antimony		0.66	U	0.42	2.2

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Client: FPM Remediations Inc

Job Number: 280-48486-1

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1
Client Matrix: Solid
% Moisture: 10.1
Date Sampled: 10/25/2013 1100
Date Received: 10/28/2013 0835

7471B Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analysis Method:	7471B	Analysis Batch:	280-200988	Instrument ID:	MT_033
Prep Method:	7471B	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0			Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1854			Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Mercury		13	J	6.4	20

General Chemistry

Client Sample ID: **AOI474BF**

Lab Sample ID: 280-48486-1 Date Sampled: 10/25/2013 1100
Client Matrix: Solid Date Received: 10/28/2013 0835

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	10		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-198522	Analysis Date: 10/30/2013 1400						DryWt Corrected: N
Percent Solids	90		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-198522	Analysis Date: 10/30/2013 1400						DryWt Corrected: N

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8260B/DoD Volatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DBFM %Rec	DCA %Rec	TOL %Rec	BFB %Rec
280-48486-1	AOI474BF	96	93	100	103
MB 280-198393/1-A		91	87	93	93
LCS 280-198393/2-A		91	86	90	89
280-48486-1 MS	AOI474BF MS	91	85	94	90
280-48486-1 MSD	AOI474BF MSD	91	88	92	96

Surrogate	Acceptance Limits
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8270D/DoD Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	2FP %Rec	PHL %Rec	NBZ %Rec	FBP %Rec	TBP %Rec	TPH %Rec
280-48486-1	AOI474BF	69	71	66	63	68	74
MB 280-198371/1-A		72	72	69	70	64	80
LCS 280-198371/2-A		76	75	71	73	85	82
280-48486-1 MS	AOI474BF MS	72	73	68	65	75	76
280-48486-1 MSD	AOI474BF MSD	72	73	69	67	78	78

Surrogate	Acceptance Limits
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8081B Organochlorine Pesticides (GC)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	TCX2 %Rec	DCB1 %Rec	DCB2 %Rec
280-48486-1	AOI474BF	85	97	86	89
MB 280-198319/1-A		88	98	96	99
LCS 280-198319/2-A		90	114	104	101
LCS 280-198319/3-A		99		109	

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TCX1 %Rec	DCB1 %Rec
280-48486-1	AOI474BF	86	89
MB 280-198319/1-A		84	102
LCS 280-198319/4-A		86	104

Surrogate	Acceptance Limits
TCX = Tetrachloro-m-xylene	53-128
DCB = DCB Decachlorobiphenyl	60-125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-198393/1-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1812	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1,1,2-Tetrachloroethane	1.0	U	0.56	5.0
1,1,1-Trichloroethane	1.0	U	0.52	5.0
1,1,2,2-Tetrachloroethane	1.0	U	0.61	5.0
1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	0.45	20
1,1,2-Trichloroethane	1.0	U	0.88	5.0
1,1-Dichloroethane	0.80	U	0.21	5.0
1,1-Dichloroethene	1.0	U	0.59	5.0
1,1-Dichloropropene	1.0	U	0.54	5.0
1,2,3-Trichlorobenzene	1.28	J	0.75	5.0
1,2,3-Trichloropropane	1.0	U	0.81	5.0
1,2,4-Trichlorobenzene	1.0	U	0.73	5.0
1,2,4-Trimethylbenzene	1.0	U	0.58	5.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.60	10
1,2-Dichlorobenzene	1.0	U	0.45	5.0
1,2-Dichloroethane	1.0	U	0.70	5.0
1,2-Dichloropropane	1.0	U	0.55	5.0
1,3,5-Trimethylbenzene	1.0	U	0.57	5.0
1,3-Dichlorobenzene	1.0	U	0.48	5.0
1,3-Dichloropropane	1.0	U	0.51	5.0
1,4-Dichlorobenzene	1.0	U	0.78	5.0
1,4-Dioxane	80	U	56	500
1-Chlorohexane	0.80	U	0.63	5.0
2,2-Dichloropropane	1.0	U	0.44	5.0
2-Butanone (MEK)	6.4	U	1.8	20
2-Chlorotoluene	1.0	U	0.51	5.0
2-Hexanone	10	U	4.9	20
4-Chlorotoluene	1.0	U	0.78	5.0
4-Isopropyltoluene	1.0	U	0.49	5.0
4-Methyl-2-pentanone (MIBK)	10	U	4.4	20
Acetone	10	U	5.4	20
Benzene	1.0	U	0.47	5.0
Bromobenzene	1.0	U	0.49	5.0
Bromoform	0.80	U	0.23	5.0
Bromomethane	1.0	U	0.50	10
Carbon disulfide	1.0	U	0.42	5.0
Carbon tetrachloride	1.0	U	0.63	5.0
Chlorobenzene	1.0	U	0.54	5.0
Chlorobromomethane	1.0	U	0.30	5.0
Chlorodibromomethane	1.0	U	0.57	5.0
Chloroethane	1.0	U	0.89	10
Chloroform	1.0	U	0.29	10
Chloromethane	1.0	U	0.77	10
cis-1,2-Dichloroethene	1.0	U	0.56	5.0
cis-1,3-Dichloropropene	2.0	U	1.3	5.0
Cyclohexane	1.6	U	0.40	5.0

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	MB 280-198393/1-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9003.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1812	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Dibromomethane	1.0	U	0.84	5.0
Dichlorobromomethane	0.80	U	0.22	5.0
Dichlorodifluoromethane	1.0	U	0.52	10
Ethylbenzene	1.0	U	0.67	5.0
Ethylene Dibromide	1.0	U	0.52	5.0
Hexachlorobutadiene	1.0	U	0.55	5.0
Isopropylbenzene	1.0	U	0.59	5.0
Methyl acetate	4.0	U	2.8	8.5
Methyl tert-butyl ether	1.0	U	0.34	20
Methylcyclohexane	0.80	U	0.42	5.0
Methylene Chloride	3.92	J	1.6	5.0
m-Xylene & p-Xylene	2.0	U	1.0	3.2
Naphthalene	1.0	U	0.63	5.0
n-Butylbenzene	1.0	U	0.56	5.0
N-Propylbenzene	1.0	U	0.58	5.0
o-Xylene	1.0	U	0.61	5.0
sec-Butylbenzene	1.0	U	0.77	5.0
Styrene	1.0	U	0.63	5.0
tert-Butylbenzene	1.0	U	0.50	5.0
Tetrachloroethene	1.0	U	0.59	5.0
Toluene	1.0	U	0.69	5.0
trans-1,2-Dichloroethene	1.0	U	0.39	5.0
trans-1,3-Dichloropropene	1.0	U	0.67	5.0
Trichloroethene	0.80	U	0.23	5.0
Trichlorofluoromethane	2.0	U	1.0	10
Vinyl chloride	2.0	U	1.3	5.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	87	61 - 129
4-Bromofluorobenzene (Surr)	93	85 - 120
Dibromofluoromethane (Surr)	91	71 - 126
Toluene-d8 (Surr)	93	85 - 115

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-198393/2-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1751	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1,2-Tetrachloroethane	50.0	47.1	94	75 - 125	
1,1,1-Trichloroethane	50.0	47.5	95	70 - 135	
1,1,2,2-Tetrachloroethane	50.0	45.9	92	55 - 130	
1,1,2-Trichloroethane	50.0	46.7	93	60 - 125	
1,1-Dichloroethane	50.0	46.5	93	75 - 125	
1,1-Dichloroethene	50.0	43.2	86	65 - 135	
1,1-Dichloropropene	50.0	51.0	102	70 - 135	
1,2,3-Trichlorobenzene	50.0	49.8	100	60 - 135	
1,2,3-Trichloropropane	50.0	45.6	91	65 - 130	
1,2,4-Trichlorobenzene	50.0	51.6	103	65 - 130	
1,2,4-Trimethylbenzene	50.0	50.5	101	65 - 135	
1,2-Dibromo-3-Chloropropane	50.0	43.8	88	40 - 135	
1,2-Dichlorobenzene	50.0	47.7	95	75 - 120	
1,2-Dichloroethane	50.0	43.6	87	70 - 135	
1,2-Dichloropropane	50.0	47.2	94	70 - 120	
1,3,5-Trimethylbenzene	50.0	51.7	103	65 - 135	
1,3-Dichlorobenzene	50.0	48.1	96	70 - 125	
1,3-Dichloropropane	50.0	42.2	84	75 - 125	
1,4-Dichlorobenzene	50.0	48.7	97	70 - 125	
2,2-Dichloropropane	50.0	47.5	95	65 - 135	
2-Butanone (MEK)	200	156	78	30 - 160	
2-Chlorotoluene	50.0	47.8	96	70 - 130	
2-Hexanone	200	147	74	45 - 145	
4-Chlorotoluene	50.0	48.7	97	75 - 125	
4-Isopropyltoluene	50.0	51.5	103	75 - 135	
4-Methyl-2-pentanone (MIBK)	200	145	73	45 - 145	
Acetone	200	149	75	20 - 160	
Benzene	50.0	47.9	96	75 - 125	
Bromobenzene	50.0	48.2	96	65 - 120	
Bromoform	50.0	45.5	91	55 - 135	
Bromomethane	50.0	33.5	67	30 - 160	
Carbon disulfide	50.0	48.9	98	45 - 160	
Carbon tetrachloride	50.0	47.0	94	65 - 135	
Chlorobenzene	50.0	46.3	93	75 - 125	
Chlorobromomethane	50.0	47.1	94	70 - 125	
Chlorodibromomethane	50.0	46.7	93	65 - 130	
Chloroethane	50.0	33.7	67	40 - 155	
Chloroform	50.0	45.6	91	70 - 125	
Chloromethane	50.0	34.7	69	50 - 130	
cis-1,2-Dichloroethene	50.0	48.2	96	65 - 125	
cis-1,3-Dichloropropene	50.0	45.8	92	70 - 125	
Dibromomethane	50.0	46.3	93	75 - 130	
Dichlorobromomethane	50.0	45.6	91	70 - 130	
Dichlorodifluoromethane	50.0	36.6	73	35 - 135	
Ethylbenzene	50.0	48.0	96	75 - 125	
Ethylene Dibromide	50.0	41.8	84	70 - 125	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

Lab Sample ID:	LCS 280-198393/2-A	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9002.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	10/29/2013 1751	Units:	ug/Kg	Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachlorobutadiene	50.0	53.7	107	55 - 140	
Isopropylbenzene	50.0	49.1	98	75 - 130	
Methyl tert-butyl ether	50.0	46.1	92	67 - 119	
Methylene Chloride	50.0	47.2	94	55 - 140	
m-Xylene & p-Xylene	50.0	49.4	99	80 - 125	
Naphthalene	50.0	43.0	86	40 - 125	
n-Butylbenzene	50.0	52.4	105	65 - 140	
N-Propylbenzene	50.0	49.6	99	65 - 135	
o-Xylene	50.0	49.4	99	75 - 125	
sec-Butylbenzene	50.0	50.8	102	65 - 130	
Styrene	50.0	53.6	107	75 - 125	
tert-Butylbenzene	50.0	49.9	100	65 - 130	
Tetrachloroethene	50.0	46.7	93	65 - 140	
Toluene	50.0	51.0	102	70 - 125	
trans-1,2-Dichloroethene	50.0	48.5	97	65 - 135	
trans-1,3-Dichloropropene	50.0	47.4	95	65 - 125	
Trichloroethene	50.0	46.9	94	75 - 125	
Trichlorofluoromethane	50.0	38.2	76	25 - 185	
Vinyl chloride	50.0	34.2	68	60 - 125	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86	61 - 129
4-Bromofluorobenzene (Surr)	89	85 - 120
Dibromofluoromethane (Surr)	91	71 - 126
Toluene-d8 (Surr)	90	85 - 115

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.591 g
Analysis Date:	10/29/2013 2339			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.357 g
Analysis Date:	10/30/2013 0000			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,1,1,2-Tetrachloroethane	94	99	75 - 125	10	30		
1,1,1-Trichloroethane	96	104	70 - 135	14	30		
1,1,2,2-Tetrachloroethane	86	102	55 - 130	23	30		
1,1,2-Trichloroethane	89	95	60 - 125	12	30		
1,1-Dichloroethane	95	102	75 - 125	12	30		
1,1-Dichloroethene	90	98	65 - 135	14	30		
1,1-Dichloropropene	100	108	70 - 135	13	30		
1,2,3-Trichlorobenzene	59	60	60 - 135	7	30	J	
1,2,3-Trichloropropane	87	104	65 - 130	23	30		
1,2,4-Trichlorobenzene	61	65	65 - 130	11	30	J	
1,2,4-Trimethylbenzene	92	111	65 - 135	23	30		
1,2-Dibromo-3-Chloropropane	76	90	40 - 135	22	30		
1,2-Dichlorobenzene	79	92	75 - 120	20	30		
1,2-Dichloroethane	86	92	70 - 135	12	30		
1,2-Dichloropropane	94	100	70 - 120	12	30		
1,3,5-Trimethylbenzene	95	112	65 - 135	22	30		
1,3-Dichlorobenzene	83	95	70 - 125	19	30		
1,3-Dichloropropane	83	90	75 - 125	14	30		
1,4-Dichlorobenzene	81	94	70 - 125	20	30		
2,2-Dichloropropane	94	100	65 - 135	12	30		
2-Butanone (MEK)	152	244	30 - 160	51	30		J
2-Chlorotoluene	90	108	70 - 130	23	30		
2-Hexanone	66	87	45 - 145	33	30		J
4-Chlorotoluene	87	104	75 - 125	23	30		
4-Isopropyltoluene	87	106	75 - 135	24	30		
4-Methyl-2-pentanone (MIBK)	64	83	45 - 145	31	30		J
Acetone	66	91	20 - 160	37	30		J
Benzene	94	101	75 - 125	13	30		
Bromobenzene	87	105	65 - 120	24	30		
Bromoform	86	91	55 - 135	11	30		
Bromomethane	62	81	30 - 160	31	30		J
Carbon disulfide	95	102	45 - 160	12	30		
Carbon tetrachloride	96	102	65 - 135	11	30		

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9018.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.591 g
Analysis Date:	10/29/2013 2339			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198398	Instrument ID:	VMS_J
Client Matrix:	Solid	Prep Batch:	280-198393	Lab File ID:	J9019.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	4.357 g
Analysis Date:	10/30/2013 0000			Final Weight/Volume:	5 mL
Prep Date:	10/29/2013 1500				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chlorobenzene	89	95	75 - 125	13	30		
Chlorobromomethane	89	97	70 - 125	14	30		
Chlorodibromomethane	91	97	65 - 130	12	30		
Chloroethane	64	83	40 - 155	32	30		J
Chloroform	91	98	70 - 125	13	30		
Chloromethane	66	84	50 - 130	29	30		
cis-1,2-Dichloroethene	95	103	65 - 125	13	30		
cis-1,3-Dichloropropene	89	95	70 - 125	12	30		
Dibromomethane	86	95	75 - 130	15	30		
Dichlorobromomethane	87	94	70 - 130	12	30		
Dichlorodifluoromethane	71	89	35 - 135	28	30		
Ethylbenzene	95	102	75 - 125	12	30		
Ethylene Dibromide	81	88	70 - 125	14	30		
Hexachlorobutadiene	59	67	55 - 140	19	30		
Isopropylbenzene	93	112	75 - 130	23	30		
Methyl tert-butyl ether	87	97	67 - 119	17	30		
Methylene Chloride	85	95	55 - 140	14	30		
m-Xylene & p-Xylene	96	102	80 - 125	11	30		
Naphthalene	56	62	40 - 125	16	30		
n-Butylbenzene	82	95	65 - 140	20	30		
N-Propylbenzene	91	110	65 - 135	24	30		
o-Xylene	95	103	75 - 125	14	30		
sec-Butylbenzene	88	106	65 - 130	24	30		
Styrene	100	106	75 - 125	12	30		
tert-Butylbenzene	91	109	65 - 130	23	30		
Tetrachloroethene	93	98	65 - 140	11	30		
Toluene	98	105	70 - 125	12	30		
trans-1,2-Dichloroethene	95	104	65 - 135	14	30		
trans-1,3-Dichloropropene	85	90	65 - 125	11	30		
Trichloroethene	91	97	75 - 125	12	30		
Trichlorofluoromethane	75	95	25 - 185	28	30		
Vinyl chloride	65	86	60 - 125	33	30		J

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	85	88	61 - 129
4-Bromofluorobenzene (Surr)	90	96	85 - 120
Dibromofluoromethane (Surr)	91	91	71 - 126
Toluene-d8 (Surr)	94	92	85 - 115

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Units:	ug/Kg	MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/29/2013 2339			Analysis Date:	10/30/2013 0000
Prep Date:	10/29/2013 1500			Prep Date:	10/29/2013 1500
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
1,1,1,2-Tetrachloroethane	1.1	U	60.6	63.8	57.3		63.1	
1,1,1-Trichloroethane	1.1	U	60.6	63.8	57.9		66.5	
1,1,2,2-Tetrachloroethane	1.1	U	60.6	63.8	51.9		65.1	
1,1,2-Trichloroethane	1.1	U	60.6	63.8	53.9		60.9	
1,1-Dichloroethane	0.88	U	60.6	63.8	57.5		64.8	
1,1-Dichloroethene	1.1	U	60.6	63.8	54.4		62.6	
1,1-Dichloropropene	1.1	U	60.6	63.8	60.8		69.2	
1,2,3-Trichlorobenzene	1.1	U	60.6	63.8	35.9	J	38.6	
1,2,3-Trichloropropane	1.1	U	60.6	63.8	52.9		66.4	
1,2,4-Trichlorobenzene	1.1	U	60.6	63.8	37.1	J	41.3	
1,2,4-Trimethylbenzene	1.1	U	60.6	63.8	55.9		70.6	
1,2-Dibromo-3-Chloropropane	1.1	U	60.6	63.8	46.2		57.5	
1,2-Dichlorobenzene	1.1	U	60.6	63.8	47.8		58.5	
1,2-Dichloroethane	1.1	U	60.6	63.8	52.0		58.6	
1,2-Dichloropropane	1.1	U	60.6	63.8	56.8		64.0	
1,3,5-Trimethylbenzene	1.1	U	60.6	63.8	57.4		71.4	
1,3-Dichlorobenzene	1.1	U	60.6	63.8	50.1		60.7	
1,3-Dichloropropane	1.1	U	60.6	63.8	50.3		57.6	
1,4-Dichlorobenzene	1.1	U	60.6	63.8	49.2		60.3	
2,2-Dichloropropane	1.1	U	60.6	63.8	56.9		63.8	
2-Butanone (MEK)	7.1	U	242	255	368		623	J
2-Chlorotoluene	1.1	U	60.6	63.8	54.5		68.8	
2-Hexanone	11	U	242	255	161		223	J
4-Chlorotoluene	1.1	U	60.6	63.8	52.7		66.5	
4-Isopropyltoluene	1.1	U	60.6	63.8	52.8		67.4	
4-Methyl-2-pentanone (MIBK)	11	U	242	255	154		212	J
Acetone	11	U	242	255	160		231	J
Benzene	1.1	U	60.6	63.8	57.2		64.8	
Bromobenzene	1.1	U	60.6	63.8	52.9		67.2	
Bromoform	0.88	U	60.6	63.8	52.1		58.1	
Bromomethane	1.1	U	60.6	63.8	37.9		51.5	J
Carbon disulfide	1.1	U	60.6	63.8	57.8		65.3	
Carbon tetrachloride	1.1	U	60.6	63.8	58.1		65.1	
Chlorobenzene	1.1	U	60.6	63.8	53.7		61.0	
Chlorobromomethane	1.1	U	60.6	63.8	54.1		62.1	
Chlorodibromomethane	1.1	U	60.6	63.8	55.1		62.1	
Chloroethane	1.1	U	60.6	63.8	38.5		53.3	J
Chloroform	1.1	U	60.6	63.8	55.0		62.6	
Chloromethane	1.1	U	60.6	63.8	39.9		53.7	
cis-1,2-Dichloroethene	1.1	U	60.6	63.8	57.7		65.5	
cis-1,3-Dichloropropene	2.2	U	60.6	63.8	53.7		60.8	
Dibromomethane	1.1	U	60.6	63.8	52.4		60.6	
Dichlorobromomethane	0.88	U	60.6	63.8	52.9		59.9	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198393

Method: 8260B/DoD
Preparation: 5030B

MS Lab Sample ID:	280-48486-1	Units:	ug/Kg	MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/29/2013 2339			Analysis Date:	10/30/2013 0000
Prep Date:	10/29/2013 1500			Prep Date:	10/29/2013 1500
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Dichlorodifluoromethane	1.1	U	60.6	63.8	43.1	56.9	
Ethylbenzene	1.1	U	60.6	63.8	57.7	65.4	
Ethylene Dibromide	1.1	U	60.6	63.8	48.9	56.4	
Hexachlorobutadiene	1.1	U	60.6	63.8	35.6	43.0	
Isopropylbenzene	1.1	U	60.6	63.8	56.3	71.2	
Methyl tert-butyl ether	1.1	U	60.6	63.8	52.4	62.2	
Methylene Chloride	4.7	J	60.6	63.8	56.5	65.2	
m-Xylene & p-Xylene	2.2	U	60.6	63.8	58.4	65.4	
Naphthalene	1.1	U	60.6	63.8	33.7	39.4	
n-Butylbenzene	1.1	U	60.6	63.8	49.7	60.7	
N-Propylbenzene	1.1	U	60.6	63.8	55.4	70.2	
o-Xylene	1.1	U	60.6	63.8	57.5	66.0	
sec-Butylbenzene	1.1	U	60.6	63.8	53.0	67.7	
Styrene	1.1	U	60.6	63.8	60.5	68.0	
tert-Butylbenzene	1.1	U	60.6	63.8	55.3	69.9	
Tetrachloroethene	1.1	U	60.6	63.8	56.2	62.5	
Toluene	1.1	U	60.6	63.8	59.2	67.0	
trans-1,2-Dichloroethene	1.1	U	60.6	63.8	57.6	66.1	
trans-1,3-Dichloropropene	1.1	U	60.6	63.8	51.4	57.4	
Trichloroethene	0.88	U	60.6	63.8	55.1	62.2	
Trichlorofluoromethane	2.2	U	60.6	63.8	45.5	60.4	
Vinyl chloride	2.2	U	60.6	63.8	39.2	54.6	J

Method Blank - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-198371/1-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.8 g
Analysis Date:	10/31/2013 1315	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
1,1'-Biphenyl	150	U	46	300
1,2,4,5-Tetrachlorobenzene	61	U	45	300
1,2,4-Trichlorobenzene	30	U	26	300
1,2-Dichlorobenzene	30	U	20	300
1,2-Diphenylhydrazine	30	U	20	300
1,3-Dichlorobenzene	30	U	11	300
1,4-Dichlorobenzene	30	U	12	300
2,2'-oxybis[1-chloropropane]	30	U	21	300
2,3,4,6-Tetrachlorophenol	150	U	130	1500
2,4,5-Trichlorophenol	120	U	9.1	300
2,4,6-Trichlorophenol	60	U	9.1	300
2,4-Dichlorophenol	60	U	9.1	300
2,4-Dimethylphenol	120	U	60	300
2,4-Dinitrophenol	610	U	300	1500
2,4-Dinitrotoluene	120	U	60	300
2,6-Dichlorophenol	120	U	63	300
2,6-Dinitrotoluene	60	U	26	300
2-Chloronaphthalene	30	U	9.1	300
2-Chlorophenol	30	U	19	300
2-Methylnaphthalene	30	U	17	300
2-Methylphenol	30	U	12	300
2-Nitroaniline	60	U	46	1500
2-Nitrophenol	60	U	9.1	300
3 & 4 Methylphenol	60	U	30	300
3,3'-Dichlorobenzidine	300	U	82	1500
3-Nitroaniline	120	U	67	1500
4,6-Dinitro-2-methylphenol	600	U	300	1500
4-Bromophenyl phenyl ether	30	U	17	300
4-Chloro-3-methylphenol	120	U	60	300
4-Chloroaniline	120	U	75	300
4-Chlorophenyl phenyl ether	60	U	19	300
4-Nitroaniline	120	U	66	1500
4-Nitrophenol	300	U	89	1500
Acenaphthene	16	U	9.4	300
Acenaphthylene	30	U	16	300
Acetophenone	30	U	18	300
Anthracene	30	U	16	300
Atrazine	120	U	34	300
Benzaldehyde	61	U	36	300
Benzidine	3600	U	910	3700
Benzo[a]anthracene	30	U	18	300
Benzo[a]pyrene	30	U	18	300
Benzo[b]fluoranthene	30	U	24	300
Benzo[g,h,i]perylene	30	U	15	300
Benzo[k]fluoranthene	60	U	37	300

Method Blank - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	MB 280-198371/1-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2868.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.8 g
Analysis Date:	10/31/2013 1315	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Benzoic acid	600	U	300	1500
Benzyl alcohol	30	U	9.1	300
Bis(2-chloroethoxy)methane	60	U	21	300
Bis(2-chloroethyl)ether	30	U	15	300
Bis(2-ethylhexyl) phthalate	60	U	42	300
Butyl benzyl phthalate	60	U	39	300
Caprolactam	300	U	97	1500
Carbazole	61	U	33	300
Chrysene	30	U	25	300
Dibenz(a,h)anthracene	30	U	17	300
Dibenzofuran	30	U	18	300
Diethyl phthalate	30	U	24	600
Dimethyl phthalate	31.7	J	21	300
Di-n-butyl phthalate	30	U	27	300
Di-n-octyl phthalate	60	U	13	300
Fluoranthene	60	U	33	300
Fluorene	30	U	16	300
Hexachlorobenzene	60	U	27	300
Hexachlorobutadiene	60	U	9.1	300
Hexachlorocyclopentadiene	60	U	46	1600
Hexachloroethane	30	U	19	300
Indeno[1,2,3-cd]pyrene	30	U	20	300
Isophorone	30	U	16	300
Naphthalene	60	U	28	300
Nitrobenzene	30	U	20	300
N-Nitrosodimethylamine	60	U	34	480
N-Nitrosodi-n-propylamine	60	U	28	300
N-Nitrosodiphenylamine	30	U	19	300
N-Nitrosopyrrolidine	120	U	59	300
Pentachlorophenol	610	U	300	1500
Phenanthrene	30	U	16	300
Phenol	30	U	16	300
Pyrene	30	U	11	370

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	64	35 - 125
2-Fluorobiphenyl	70	45 - 105
2-Fluorophenol (Surr)	72	35 - 105
Nitrobenzene-d5 (Surr)	69	35 - 100
Phenol-d5 (Surr)	72	40 - 100
Terphenyl-d14 (Surr)	80	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-198371/2-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.0 g
Analysis Date:	10/31/2013 1410	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	2500	1730	69	45 - 110	
1,2-Dichlorobenzene	2500	1720	69	45 - 95	
1,2-Diphenylhydrazine	2530	1940	77	54 - 120	
1,3-Dichlorobenzene	2500	1660	67	40 - 100	
1,4-Dichlorobenzene	2500	1670	67	35 - 105	
2,2'-oxybis[1-chloropropane]	2500	1660	66	20 - 115	
2,4,5-Trichlorophenol	2500	1980	79	50 - 110	
2,4,6-Trichlorophenol	2500	1920	77	45 - 110	
2,4-Dichlorophenol	2500	1870	75	45 - 110	
2,4-Dimethylphenol	2500	1730	69	30 - 105	
2,4-Dinitrophenol	5000	3400	68	15 - 130	
2,4-Dinitrotoluene	2500	2090	83	50 - 115	
2,6-Dinitrotoluene	2500	1980	79	50 - 110	
2-Chloronaphthalene	2500	1780	71	45 - 105	
2-Chlorophenol	2500	1820	73	45 - 105	
2-Methylnaphthalene	2500	1820	73	45 - 105	
2-Methylphenol	2500	1870	75	40 - 105	
2-Nitroaniline	2500	1870	75	45 - 120	
2-Nitrophenol	2500	1820	73	40 - 110	
3 & 4 Methylphenol	2500	1880	75	40 - 105	
3,3'-Dichlorobenzidine	2500	1240	50	10 - 130	J
3-Nitroaniline	2500	1630	65	25 - 110	
4,6-Dinitro-2-methylphenol	5000	3700	74	30 - 135	
4-Bromophenyl phenyl ether	2500	1890	75	45 - 115	
4-Chloro-3-methylphenol	2500	1980	79	45 - 115	
4-Chloroaniline	2500	1130	45	10 - 95	
4-Chlorophenyl phenyl ether	2500	1920	77	45 - 110	
4-Nitroaniline	2500	1920	77	35 - 115	
4-Nitrophenol	5000	4320	86	15 - 140	
Acenaphthene	2500	1840	73	45 - 110	
Acenaphthylene	2500	1780	71	45 - 105	
Anthracene	2500	1880	75	55 - 105	
Benzo[a]anthracene	2500	1920	77	50 - 110	
Benzo[a]pyrene	2500	1940	77	50 - 110	
Benzo[b]fluoranthene	2500	1980	79	45 - 115	
Benzo[g,h,i]perylene	2500	1970	79	40 - 125	
Benzo[k]fluoranthene	2500	2140	86	45 - 125	
Benzoic acid	2500	1960	78	10 - 110	
Benzyl alcohol	2500	1820	73	20 - 125	
Bis(2-chloroethoxy)methane	2500	1730	69	45 - 110	
Bis(2-chloroethyl)ether	2500	1750	70	40 - 105	
Bis(2-ethylhexyl) phthalate	2500	1880	75	45 - 125	
Butyl benzyl phthalate	2500	1910	76	50 - 125	
Carbazole	2500	1950	78	45 - 115	
Chrysene	2500	1930	77	55 - 110	
Dibenz(a,h)anthracene	2500	1960	78	40 - 125	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

Lab Sample ID:	LCS 280-198371/2-A	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2870.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	32.0 g
Analysis Date:	10/31/2013 1410	Units:	ug/Kg	Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Dibenzofuran	2500	1880	75	50 - 105	
Diethyl phthalate	2500	2010	81	50 - 115	
Dimethyl phthalate	2500	1990	80	50 - 110	
Di-n-butyl phthalate	2500	1970	79	55 - 110	
Di-n-octyl phthalate	2500	1660	66	40 - 130	
Fluoranthene	2500	1960	78	55 - 115	
Fluorene	2500	1910	76	50 - 110	
Hexachlorobenzene	2500	1920	77	45 - 120	
Hexachlorobutadiene	2500	1740	69	40 - 115	
Hexachlorocyclopentadiene	2500	1530	61	35 - 123	J
Hexachloroethane	2500	1660	67	35 - 110	
Indeno[1,2,3-cd]pyrene	2500	1740	70	40 - 120	M
Isophorone	2500	1650	66	45 - 110	
Naphthalene	2500	1790	72	40 - 105	
Nitrobenzene	2500	1760	70	40 - 115	
N-Nitrosodimethylamine	2500	1560	63	20 - 115	
N-Nitrosodi-n-propylamine	2500	1790	71	40 - 115	
N-Nitrosodiphenylamine	2500	1960	79	50 - 115	
Pentachlorophenol	5000	3530	71	25 - 120	
Phenanthrene	2500	1950	78	50 - 110	
Phenol	2500	1940	77	40 - 100	
Pyrene	2500	1980	79	45 - 125	

Surrogate	% Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	85	35 - 125
2-Fluorobiphenyl	73	45 - 105
2-Fluorophenol (Surr)	76	35 - 105
Nitrobenzene-d5 (Surr)	71	35 - 100
Phenol-d5 (Surr)	75	40 - 100
Terphenyl-d14 (Surr)	82	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1906			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	10/31/2013 1935			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
1,2,4-Trichlorobenzene	63	64	45 - 110	4	30		
1,2-Dichlorobenzene	65	64	45 - 95	1	30		
1,2-Diphenylhydrazine	73	74	54 - 120	4	30		
1,3-Dichlorobenzene	63	63	40 - 100	2	30		
1,4-Dichlorobenzene	62	62	35 - 105	2	30		
2,2'-oxybis[1-chloropropane]	71	71	20 - 115	2	30		
2,4,5-Trichlorophenol	73	74	50 - 110	4	30		
2,4,6-Trichlorophenol	72	73	45 - 110	3	30		
2,4-Dichlorophenol	69	70	45 - 110	4	30		
2,4-Dimethylphenol	67	68	30 - 105	3	30		
2,4-Dinitrophenol	49	55	15 - 130	15	30		
2,4-Dinitrotoluene	74	76	50 - 115	5	30		
2,6-Dinitrotoluene	71	72	50 - 110	4	30		
2-Chloronaphthalene	65	66	45 - 105	4	30		
2-Chlorophenol	68	69	45 - 105	4	30		
2-Methylnaphthalene	68	67	45 - 105	2	30		
2-Methylphenol	70	71	40 - 105	3	30		
2-Nitroaniline	74	77	45 - 120	6	30		
2-Nitrophenol	66	69	40 - 110	6	30		
3 & 4 Methylphenol	73	71	40 - 105	0	30		
3,3'-Dichlorobenzidine	58	62	10 - 130	8	30	J	
3-Nitroaniline	65	67	25 - 110	5	30		
4,6-Dinitro-2-methylphenol	59	64	30 - 135	11	30		
4-Bromophenyl phenyl ether	72	72	45 - 115	3	30		
4-Chloro-3-methylphenol	75	75	45 - 115	2	30		
4-Chloroaniline	53	51	10 - 95	1	30		
4-Chlorophenyl phenyl ether	69	71	45 - 110	5	30		
4-Nitroaniline	70	72	35 - 115	6	30		
4-Nitrophenol	77	80	15 - 140	6	30		
Acenaphthene	67	68	45 - 110	4	30		
Acenaphthylene	66	67	45 - 105	4	30		
Anthracene	71	72	55 - 105	4	30		
Benzo[a]anthracene	72	74	50 - 110	6	30		

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1906			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	10/31/2013 1935			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Benzo[a]pyrene	72	74	50 - 110	4	30		
Benzo[b]fluoranthene	74	75	45 - 115	2	30		
Benzo[g,h,i]perylene	70	72	40 - 125	6	30		
Benzo[k]fluoranthene	74	77	45 - 125	6	30		
Benzoic acid	69	69	10 - 110	2	30		
Benzyl alcohol	71	70	20 - 125	1	30		
Bis(2-chloroethoxy)methane	66	66	45 - 110	3	30		
Bis(2-chloroethyl)ether	69	70	40 - 105	4	30		
Bis(2-ethylhexyl) phthalate	78	80	45 - 125	4	30		
Butyl benzyl phthalate	77	79	50 - 125	4	30		
Carbazole	73	75	45 - 115	4	30		
Chrysene	73	75	55 - 110	5	30		
Dibenz(a,h)anthracene	72	74	40 - 125	5	30		
Dibenzofuran	68	69	50 - 105	4	30		
Diethyl phthalate	72	73	50 - 115	3	30		
Dimethyl phthalate	78	78	50 - 110	2	30		
Di-n-butyl phthalate	75	76	55 - 110	4	30		
Di-n-octyl phthalate	77	79	40 - 130	5	30		
Fluoranthene	73	76	55 - 115	6	30		
Fluorene	69	70	50 - 110	4	30		
Hexachlorobenzene	69	71	45 - 120	5	30		
Hexachlorobutadiene	63	64	40 - 115	3	30		
Hexachlorocyclopentadiene	45	43	35 - 123	2	30	J	J
Hexachloroethane	64	63	35 - 110	1	30		
Indeno[1,2,3-cd]pyrene	69	72	40 - 120	6	30	M	M
Isophorone	63	63	45 - 110	2	30		
Naphthalene	66	66	40 - 105	2	30		
Nitrobenzene	67	67	40 - 115	3	30		
N-Nitrosodimethylamine	63	64	20 - 115	3	30		
N-Nitrosodi-n-propylamine	70	70	40 - 115	2	30		
N-Nitrosodiphenylamine	73	74	50 - 115	5	30		
Pentachlorophenol	68	68	25 - 120	3	30		
Phenanthrene	72	74	50 - 110	4	30		

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2880.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	31.0 g
Analysis Date:	10/31/2013 1906			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

MSD Lab Sample ID:	280-48486-1	Analysis Batch:	280-198682	Instrument ID:	SMS_B2
Client Matrix:	Solid	Prep Batch:	280-198371	Lab File ID:	B2-2881.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	10/31/2013 1935			Final Weight/Volume:	1000 uL
Prep Date:	10/29/2013 2140			Injection Volume:	0.5 uL
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Phenol	73	74	40 - 100	4	30		
Pyrene	74	77	45 - 125	6	30		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2,4,6-Tribromophenol (Surr)	75	78	35 - 125
2-Fluorobiphenyl	65	67	45 - 105
2-Fluorophenol (Surr)	72	72	35 - 105
Nitrobenzene-d5 (Surr)	68	69	35 - 100
Phenol-d5 (Surr)	73	73	40 - 100
Terphenyl-d14 (Surr)	76	78	30 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Units:	ug/Kg	MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	10/31/2013 1906			Analysis Date:	10/31/2013 1935
Prep Date:	10/29/2013 2140			Prep Date:	10/29/2013 2140
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual
1,2,4-Trichlorobenzene	36	U	2870	2940	1810		1880
1,2-Dichlorobenzene	36	U	2870	2940	1860		1880
1,2-Diphenylhydrazine	36	U	2900	2970	2130		2210
1,3-Dichlorobenzene	36	U	2870	2940	1810		1840
1,4-Dichlorobenzene	36	U	2870	2940	1790		1830
2,2'-oxybis[1-chloropropane]	36	U	2870	2940	2050		2080
2,4,5-Trichlorophenol	140	U	2870	2940	2090		2160
2,4,6-Trichlorophenol	71	U	2870	2940	2080		2140
2,4-Dichlorophenol	71	U	2870	2940	1980		2060
2,4-Dimethylphenol	140	U	2870	2940	1930		1980
2,4-Dinitrophenol	720	U	5740	5880	2790		3230
2,4-Dinitrotoluene	140	U	2870	2940	2130		2230
2,6-Dinitrotoluene	71	U	2870	2940	2050		2120
2-Chloronaphthalene	36	U	2870	2940	1860		1940
2-Chlorophenol	36	U	2870	2940	1940		2030
2-Methylnaphthalene	36	U	2870	2940	1950		1980
2-Methylphenol	36	U	2870	2940	2010		2080
2-Nitroaniline	71	U	2870	2940	2120		2260
2-Nitrophenol	71	U	2870	2940	1910		2030
3 & 4 Methylphenol	71	U	2870	2940	2080		2080
3,3'-Dichlorobenzidine	360	U	2870	2940	1680	J	1810
3-Nitroaniline	140	U	2870	2940	1870		1970
4,6-Dinitro-2-methylphenol	710	U	5740	5880	3380		3780
4-Bromophenyl phenyl ether	36	U	2870	2940	2060		2110
4-Chloro-3-methylphenol	140	U	2870	2940	2160		2210
4-Chloroaniline	140	U	2870	2940	1520		1510
4-Chlorophenyl phenyl ether	71	U	2870	2940	1990		2090
4-Nitroaniline	140	U	2870	2940	2000		2130
4-Nitrophenol	360	U	5740	5880	4420		4700
Acenaphthene	18	U	2870	2940	1920		2000
Acenaphthylene	36	U	2870	2940	1880		1970
Anthracene	36	U	2870	2940	2040		2120
Benzo[a]anthracene	23	J	2870	2940	2080		2200
Benzo[a]pyrene	22	J	2870	2940	2070		2160
Benzo[b]fluoranthene	28	J	2870	2940	2140		2190
Benzo[g,h,i]perylene	36	U	2870	2940	2010		2130
Benzo[k]fluoranthene	71	U	2870	2940	2120		2250
Benzoic acid	710	U	2870	2940	1990		2040
Benzyl alcohol	36	U	2870	2940	2030		2040
Bis(2-chloroethoxy)methane	71	U	2870	2940	1890		1940
Bis(2-chloroethyl)ether	36	U	2870	2940	1990		2060
Bis(2-ethylhexyl) phthalate	71	U	2870	2940	2250		2340
Butyl benzyl phthalate	71	U	2870	2940	2220		2310

Client: FPM Remediations Inc

Job Number: 280-48486-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 280-198371

Method: 8270D/DoD
Preparation: 3550C

MS Lab Sample ID:	280-48486-1	Units: ug/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	10/31/2013 1906		
Prep Date:	10/29/2013 2140		
Leach Date:	N/A		

MSD Lab Sample ID:	280-48486-1
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	10/31/2013 1935
Prep Date:	10/29/2013 2140
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Carbazole	72	U	2870	2940	2100		2200	
Chrysene	36	U	2870	2940	2080		2200	
Dibenz(a,h)anthracene	36	U	2870	2940	2060		2170	
Dibenzofuran	36	U	2870	2940	1950		2040	
Diethyl phthalate	36	U	2870	2940	2080		2150	
Dimethyl phthalate	100	J	2870	2940	2330		2380	
Di-n-butyl phthalate	36	U	2870	2940	2160		2240	
Di-n-octyl phthalate	71	U	2870	2940	2210		2320	
Fluoranthene	40	J	2870	2940	2150		2280	
Fluorene	36	U	2870	2940	1990		2060	
Hexachlorobenzene	71	U	2870	2940	1980		2080	
Hexachlorobutadiene	71	U	2870	2940	1820		1870	
Hexachlorocyclopentadiene	71	U	2870	2940	1300	J	1270	J
Hexachloroethane	36	U	2870	2940	1830		1840	
Indeno[1,2,3-cd]pyrene	36	U	2870	2940	2000	M	2120	M
Isophorone	36	U	2870	2940	1810		1860	
Naphthalene	71	U	2870	2940	1890		1920	
Nitrobenzene	36	U	2870	2940	1920		1980	
N-Nitrosodimethylamine	71	U	2870	2940	1820		1870	
N-Nitrosodi-n-propylamine	71	U	2870	2940	2020		2060	
N-Nitrosodiphenylamine	36	U	2870	2940	2090		2190	
Pentachlorophenol	720	U	5740	5880	3880		3980	
Phenanthrene	20	J	2870	2940	2100		2190	
Phenol	36	U	2870	2940	2090		2160	
Pyrene	37	J	2870	2940	2160		2290	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198319

Method: 8081B
Preparation: 3546

Lab Sample ID:	MB 280-198319/1-A	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11010041.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.4 g
Analysis Date:	11/01/2013 2143	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
4,4'-DDD	0.68	U	0.54	1.7
4,4'-DDE	0.45	U	0.23	1.7
4,4'-DDT	0.68	U	0.58	2.0
Aldrin	0.45	U	0.25	1.7
alpha-BHC	0.45	U	0.21	1.7
alpha-Chlordane	0.45	U	0.32	1.7
beta-BHC	0.68	U	0.66	1.7
delta-BHC	0.68	U	0.40	1.7
Dieldrin	0.45	U	0.21	1.7
Endosulfan I	0.45	U	0.17	1.7
Endosulfan II	0.45	U	0.28	1.7
Endosulfan sulfate	0.45	U	0.27	1.7
Endrin	0.45	U	0.30	1.7
Endrin aldehyde	0.45	U	0.17	1.7
Endrin ketone	0.68	U	0.48	1.7
gamma-BHC (Lindane)	0.68	U	0.46	1.7
gamma-Chlordane	0.68	U	0.26	1.7
Heptachlor	0.45	U	0.21	1.7
Heptachlor epoxide	0.68	U	0.42	1.7
Methoxychlor	0.68	U	0.44	3.3
Toxaphene	27	U	16	170

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	96	55 - 130
Tetrachloro-m-xylene	88	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	99	55 - 130
Tetrachloro-m-xylene	98	70 - 125

Lab Control Sample - Batch: 280-198319 **Method: 8081B**
Preparation: 3546

Lab Sample ID:	LCS 280-198319/3-A	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11010042.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	11/01/2013 2200	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Toxaphene	66.0	69.8	106	51 - 139	J

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	109	55 - 130
Tetrachloro-m-xylene	99	70 - 125

Lab Control Sample - Batch: 280-198319 **Method: 8081B**
Preparation: 3546

Lab Sample ID:	LCS 280-198319/2-A	Analysis Batch:	280-198855	Instrument ID:	SGC_P2
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11010043.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.0 g
Analysis Date:	11/01/2013 2216	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
4,4'-DDD	16.7	18.1	108	30 - 135	
4,4'-DDE	16.7	17.2	103	70 - 125	
4,4'-DDT	16.7	17.3	104	45 - 140	
Aldrin	16.7	16.6	100	45 - 140	
alpha-BHC	16.7	16.3	98	60 - 125	
alpha-Chlordane	16.7	16.8	101	65 - 120	
beta-BHC	16.7	15.9	95	60 - 125	
delta-BHC	16.7	16.2	97	55 - 130	
Dieldrin	16.7	17.2	103	65 - 125	
Endosulfan I	16.7	16.1	97	15 - 135	
Endosulfan II	16.7	16.9	101	35 - 140	
Endosulfan sulfate	16.7	18.3	110	60 - 135	
Endrin	16.7	17.9	107	60 - 135	
Endrin aldehyde	16.7	14.8	89	54 - 115	
Endrin ketone	16.7	17.6	106	65 - 135	
gamma-BHC (Lindane)	16.7	16.1	97	60 - 125	
gamma-Chlordane	16.7	17.3	104	65 - 125	
Heptachlor	16.7	15.9	95	50 - 140	
Heptachlor epoxide	16.7	17.1	103	65 - 130	
Methoxychlor	16.7	17.0	102	55 - 145	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	55 - 130
Tetrachloro-m-xylene	90	70 - 125

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	101	55 - 130

Client: FPM Remediations Inc

Job Number: 280-48486-1

Surrogate	% Rec	Acceptance Limits
Tetrachloro-m-xylene	114	70 - 125

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-198319

Method: 8082A
Preparation: 3546

Lab Sample ID:	MB 280-198319/1-A	Analysis Batch:	280-198824	Instrument ID:	SGC_W
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11011323.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.4 g
Analysis Date:	11/01/2013 1640	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	DL	LOQ
PCB-1016	9.9	U	5.0	33
PCB-1221	20	U	15	33
PCB-1232	15	U	5.1	33
PCB-1242	9.9	U	9.0	33
PCB-1248	9.9	U	5.5	33
PCB-1254	9.9	U	5.4	33
PCB-1260	9.9	U	2.6	33

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	102	60 - 125
Tetrachloro-m-xylene	84	53 - 128

Lab Control Sample - Batch: 280-198319

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 280-198319/4-A	Analysis Batch:	280-198824	Instrument ID:	SGC_W
Client Matrix:	Solid	Prep Batch:	280-198319	Lab File ID:	11011324.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	30.3 g
Analysis Date:	11/01/2013 1703	Units:	ug/Kg	Final Weight/Volume:	10000 uL
Prep Date:	10/29/2013 1850			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
PCB-1016	66.0	57.7	87	40 - 140	
PCB-1260	66.0	63.5	96	60 - 130	

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	104	60 - 125
Tetrachloro-m-xylene	86	53 - 128

Method Blank - Batch: 280-199600 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/08/2013 1948	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Arsenic	0.93	U	0.61	2.3
Barium	0.17	U	0.070	1.9
Beryllium	0.065	U	0.031	0.46
Cadmium	0.093	U	0.038	0.46
Calcium	19	U	13	93
Chromium	0.14	U	0.054	3.2
Cobalt	0.19	U	0.093	0.93
Copper	0.46	U	0.20	4.6
Iron	4.6	U	3.5	74
Lead	0.74	U	0.25	0.83
Magnesium	4.6	U	3.4	28
Manganese	0.14	U Q	0.093	4.2
Molybdenum	0.46	U	0.24	2.3
Nickel	0.19	U	0.11	3.7
Potassium	46	U	38	280
Selenium	1.1	U	0.80	2.8
Silver	0.19	U	0.15	1.4
Sodium	93	U	55	460
Strontium	0.074	U Q	0.033	1.4
Thallium	1.1	U	0.60	2.8
Vanadium	0.19	U Q	0.087	1.9
Zinc	0.419	J	0.37	7.4

Method Blank - Batch: 280-199600 **Method: 6010C**
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/11/2013 1848	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Aluminum	2.8	U	1.4	46
Boron	0.93	U	0.91	9.3

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	MB 280-199600/1-A	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	11/14/2013 1705	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Antimony	0.56	U	0.35	1.9

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-200251	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	25A1110813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/08/2013 1950	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	86.2	82.0	95	80 - 120	
Barium	172	171	99	80 - 120	
Beryllium	4.31	4.19	97	80 - 120	
Cadmium	8.62	8.67	101	80 - 120	
Calcium	4310	4140	96	80 - 120	
Chromium	17.2	16.8	97	80 - 120	
Cobalt	43.1	41.6	96	80 - 120	
Copper	21.6	21.7	100	80 - 120	
Iron	86.2	82.0	95	80 - 120	
Lead	43.1	41.3	96	80 - 120	
Magnesium	4310	4050	94	80 - 120	
Manganese	43.1	41.6	97	80 - 120	Q
Molybdenum	86.2	84.0	97	80 - 120	
Nickel	43.1	41.3	96	80 - 120	
Potassium	4310	4320	100	80 - 120	
Selenium	172	162	94	80 - 120	
Silver	4.31	3.93	91	80 - 120	
Sodium	4310	4480	104	80 - 120	
Strontium	86.2	84.8	98	80 - 120	Q
Thallium	172	165	96	80 - 120	
Vanadium	43.1	42.8	99	80 - 120	Q
Zinc	43.1	41.0	95	80 - 120	

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-200481	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/11/2013 1851	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aluminum	172	167	97	80 - 120	
Boron	86.2	97.0	112	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Lab Control Sample - Batch: 280-199600

Method: 6010C
Preparation: 3050B

Lab Sample ID:	LCS 280-199600/2-A	Analysis Batch:	280-201175	Instrument ID:	MT_025
Client Matrix:	Solid	Prep Batch:	280-199600	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.16 g
Analysis Date:	11/14/2013 1707	Units:	mg/Kg	Final Weight/Volume:	100 mL
Prep Date:	11/08/2013 0750				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	43.1	42.4	98	80 - 120	

Client: FPM Remediations Inc

Job Number: 280-48486-1

Method Blank - Batch: 280-199719

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 280-199719/1-A	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1850	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

Analyte	Result	Qual	DL	LOQ
Mercury	14	U	5.7	18

Lab Control Sample - Batch: 280-199719

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCS 280-199719/2-A	Analysis Batch:	280-200988	Instrument ID:	MT_033
Client Matrix:	Solid	Prep Batch:	280-199719	Lab File ID:	131113aa.txt
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	.58 g
Analysis Date:	11/13/2013 1920	Units:	ug/Kg	Final Weight/Volume:	50 mL
Prep Date:	11/13/2013 1500				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	431	376	87	80 - 120	

DATA REPORTING QUALIFIERS

Client: FPM Remediations Inc Job Number: 280-48486-1

Lab Section	Qualifier	Description
GC/MS VOA		
	B	Blank contamination: The analyte was detected above one-half the reporting limit in an associated blank.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
GC/MS Semi VOA		
	K	Benzo (b&k) fluoranthene are unresolved due to matrix, result is reported as Benzo(b)fluoranthene.
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	U	Undetected at the Limit of Detection.
GC Semi VOA		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	M	Manual integrated compound.
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.
Metals		
	J	Estimated: The analyte was positively identified; the quantitation is an estimation
	Q	One or more quality control criteria failed.
	U	Undetected at the Limit of Detection.

Client: FPM Remediations Inc

Job Number: 280-48486-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 280-198393					
LCS 280-198393/2-A	Lab Control Sample	T	Solid	5030B	
MB 280-198393/1-A	Method Blank	T	Solid	5030B	
280-48486-1	AOI474BF	T	Solid	5030B	
280-48486-1MS	Matrix Spike	T	Solid	5030B	
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	5030B	
Analysis Batch:280-198398					
LCS 280-198393/2-A	Lab Control Sample	T	Solid	8260B/DoD	280-198393
MB 280-198393/1-A	Method Blank	T	Solid	8260B/DoD	280-198393
280-48486-1	AOI474BF	T	Solid	8260B/DoD	280-198393
280-48486-1MS	Matrix Spike	T	Solid	8260B/DoD	280-198393
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	8260B/DoD	280-198393

Report Basis
T = Total

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 280-198371					
LCS 280-198371/2-A	Lab Control Sample	T	Solid	3550C	
MB 280-198371/1-A	Method Blank	T	Solid	3550C	
280-48486-1	AOI474BF	T	Solid	3550C	
280-48486-1MS	Matrix Spike	T	Solid	3550C	
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	3550C	
Analysis Batch:280-198682					
LCS 280-198371/2-A	Lab Control Sample	T	Solid	8270D/DoD	280-198371
MB 280-198371/1-A	Method Blank	T	Solid	8270D/DoD	280-198371
280-48486-1	AOI474BF	T	Solid	8270D/DoD	280-198371
280-48486-1MS	Matrix Spike	T	Solid	8270D/DoD	280-198371
280-48486-1MSD	Matrix Spike Duplicate	T	Solid	8270D/DoD	280-198371

Report Basis
T = Total

Client: FPM Remediations Inc

Job Number: 280-48486-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 280-198319					
LCS 280-198319/2-A	Lab Control Sample	T	Solid	3546	
LCS 280-198319/3-A	Lab Control Sample	T	Solid	3546	
LCS 280-198319/4-A	Lab Control Sample	T	Solid	3546	
MB 280-198319/1-A	Method Blank	T	Solid	3546	
280-48486-1	AOI474BF	T	Solid	3546	
Analysis Batch:280-198824					
LCS 280-198319/4-A	Lab Control Sample	T	Solid	8082A	280-198319
MB 280-198319/1-A	Method Blank	T	Solid	8082A	280-198319
280-48486-1	AOI474BF	T	Solid	8082A	280-198319
Analysis Batch:280-198855					
LCS 280-198319/2-A	Lab Control Sample	T	Solid	8081B	280-198319
LCS 280-198319/3-A	Lab Control Sample	T	Solid	8081B	280-198319
MB 280-198319/1-A	Method Blank	T	Solid	8081B	280-198319
280-48486-1	AOI474BF	T	Solid	8081B	280-198319

Report Basis

T = Total

Client: FPM Remediations Inc

Job Number: 280-48486-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 280-199600					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	3050B	
MB 280-199600/1-A	Method Blank	T	Solid	3050B	
280-48486-1	AOI474BF	T	Solid	3050B	
Prep Batch: 280-199719					
LCS 280-199719/2-A	Lab Control Sample	T	Solid	7471B	
MB 280-199719/1-A	Method Blank	T	Solid	7471B	
280-48486-1	AOI474BF	T	Solid	7471B	
Analysis Batch:280-200251					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48486-1	AOI474BF	T	Solid	6010C	280-199600
Analysis Batch:280-200481					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48486-1	AOI474BF	T	Solid	6010C	280-199600
Analysis Batch:280-200988					
LCS 280-199719/2-A	Lab Control Sample	T	Solid	7471B	280-199719
MB 280-199719/1-A	Method Blank	T	Solid	7471B	280-199719
280-48486-1	AOI474BF	T	Solid	7471B	280-199719
Analysis Batch:280-201175					
LCS 280-199600/2-A	Lab Control Sample	T	Solid	6010C	280-199600
MB 280-199600/1-A	Method Blank	T	Solid	6010C	280-199600
280-48486-1	AOI474BF	T	Solid	6010C	280-199600

Report Basis
T = Total

General Chemistry

Analysis Batch:280-198522					
280-48486-1	AOI474BF	T	Solid	Moisture	

Report Basis
T = Total

Client: FPM Remediations Inc Job Number: 280-48486-1

Laboratory Chronicle

Lab ID: 280-48486-1 **Client ID: AOI474BF**

Sample Date/Time: 10/25/2013 11:00 Received Date/Time: 10/28/2013 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-48486-A-1-B		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	280-48486-A-1-B		280-198398	280-198393	10/29/2013 23:17	1	TAL DEN	ADD
P:3550C	280-48486-B-1-A		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	280-48486-B-1-A		280-198682	280-198371	10/31/2013 18:36	1	TAL DEN	DCK
P:3546	280-48486-A-1-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	280-48486-A-1-A		280-198855	280-198319	11/02/2013 03:28	1	TAL DEN	DAW
P:3546	280-48486-A-1-A		280-198824	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8082A	280-48486-A-1-A		280-198824	280-198319	11/01/2013 21:42	1	TAL DEN	TDJ
P:3050B	280-48486-A-1-E		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48486-A-1-E		280-200251	280-199600	11/08/2013 20:21	1	TAL DEN	JKH
P:3050B	280-48486-A-1-E		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48486-A-1-E		280-200481	280-199600	11/11/2013 19:22	1	TAL DEN	JKH
P:3050B	280-48486-A-1-E		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	280-48486-A-1-E		280-201175	280-199600	11/14/2013 17:48	1	TAL DEN	JKH
P:7471B	280-48486-A-1-F		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	280-48486-A-1-F		280-200988	280-199719	11/13/2013 18:54	1	TAL DEN	JM
A:Moisture	280-48486-A-1		280-198522		10/30/2013 14:00	1	TAL DEN	BAN

Lab ID: 280-48486-1 MS **Client ID: AOI474BF**

Sample Date/Time: 10/25/2013 11:00 Received Date/Time: 10/28/2013 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-48486-A-1-C MS		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	280-48486-A-1-C MS		280-198398	280-198393	10/29/2013 23:39	1	TAL DEN	ADD
P:3550C	280-48486-B-1-B MS		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	280-48486-B-1-B MS		280-198682	280-198371	10/31/2013 19:06	1	TAL DEN	DCK

Lab ID: 280-48486-1 MSD **Client ID: AOI474BF**

Sample Date/Time: 10/25/2013 11:00 Received Date/Time: 10/28/2013 08:35

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	280-48486-A-1-D MSD		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	280-48486-A-1-D MSD		280-198398	280-198393	10/30/2013 00:00	1	TAL DEN	ADD
P:3550C	280-48486-B-1-C MSD		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	280-48486-B-1-C MSD		280-198682	280-198371	10/31/2013 19:35	1	TAL DEN	DCK

Client: FPM Remediations Inc

Job Number: 280-48486-1

Laboratory Chronicle

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	MB 280-198393/1-A		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	MB 280-198393/1-A		280-198398	280-198393	10/29/2013 18:12	1	TAL DEN	ADD
P:3550C	MB 280-198371/1-A		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	MB 280-198371/1-A		280-198682	280-198371	10/31/2013 13:15	1	TAL DEN	DCK
P:3546	MB 280-198319/1-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	MB 280-198319/1-A		280-198855	280-198319	11/01/2013 21:43	1	TAL DEN	DAW
P:3546	MB 280-198319/1-A		280-198824	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8082A	MB 280-198319/1-A		280-198824	280-198319	11/01/2013 16:40	1	TAL DEN	TDJ
P:3050B	MB 280-199600/1-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-200251	280-199600	11/08/2013 19:48	1	TAL DEN	JKH
P:3050B	MB 280-199600/1-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-200481	280-199600	11/11/2013 18:48	1	TAL DEN	JKH
P:3050B	MB 280-199600/1-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	MB 280-199600/1-A		280-201175	280-199600	11/14/2013 17:05	1	TAL DEN	JKH
P:7471B	MB 280-199719/1-A		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	MB 280-199719/1-A		280-200988	280-199719	11/13/2013 18:50	1	TAL DEN	JM

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

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

Method	Bottle ID	Run	Analysis Batch	Prep Batch	Date Prepared / Analyzed	Dil	Lab	Analyst
P:5030B	LCS 280-198393/2-A		280-198398	280-198393	10/29/2013 15:00	1	TAL DEN	ADD
A:8260B/DoD	LCS 280-198393/2-A		280-198398	280-198393	10/29/2013 17:51	1	TAL DEN	ADD
P:3550C	LCS 280-198371/2-A		280-198682	280-198371	10/29/2013 21:40	1	TAL DEN	BWJ
A:8270D/DoD	LCS 280-198371/2-A		280-198682	280-198371	10/31/2013 14:10	1	TAL DEN	DCK
P:3546	LCS 280-198319/3-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	LCS 280-198319/3-A		280-198855	280-198319	11/01/2013 22:00	1	TAL DEN	DAW
P:3546	LCS 280-198319/2-A		280-198855	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8081B	LCS 280-198319/2-A		280-198855	280-198319	11/01/2013 22:16	1	TAL DEN	DAW
P:3546	LCS 280-198319/4-A		280-198824	280-198319	10/29/2013 18:50	1	TAL DEN	EJP
A:8082A	LCS 280-198319/4-A		280-198824	280-198319	11/01/2013 17:03	1	TAL DEN	TDJ
P:3050B	LCS 280-199600/2-A		280-200251	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-200251	280-199600	11/08/2013 19:50	1	TAL DEN	JKH
P:3050B	LCS 280-199600/2-A		280-200481	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-200481	280-199600	11/11/2013 18:51	1	TAL DEN	JKH
P:3050B	LCS 280-199600/2-A		280-201175	280-199600	11/08/2013 07:50	1	TAL DEN	CRR
A:6010C	LCS 280-199600/2-A		280-201175	280-199600	11/14/2013 17:07	1	TAL DEN	JKH
P:7471B	LCS 280-199719/2-A		280-200988	280-199719	11/13/2013 15:00	1	TAL DEN	JM
A:7471B	LCS 280-199719/2-A		280-200988	280-199719	11/13/2013 19:20	1	TAL DEN	JM

Lab References:

TAL DEN = TestAmerica Denver

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8081 LCS_00207	10/30/13	10/23/13	P&T Methanol, Lot MethanolP&T_00071	50 mL	8081LCSPrim_00020	0.5 mL	4,4'-DDD	0.5 ug/mL
							4,4'-DDE	0.5 ug/mL
							4,4'-DDT	0.5 ug/mL
							Aldrin	0.5 ug/mL
							alpha-BHC	0.5 ug/mL
							alpha-Chlordane	0.5 ug/mL
							beta-BHC	0.5 ug/mL
							delta-BHC	0.5 ug/mL
							Dieldrin	0.5 ug/mL
							Endosulfan I	0.5 ug/mL
							Endosulfan II	0.5 ug/mL
							Endosulfan sulfate	0.5 ug/mL
							Endrin	0.5 ug/mL
							Endrin aldehyde	0.5 ug/mL
							Endrin ketone	0.5 ug/mL
							gamma-BHC (Lindane)	0.5 ug/mL
							gamma-Chlordane	0.5 ug/mL
							Heptachlor	0.5 ug/mL
							Heptachlor epoxide	0.5 ug/mL
							Methoxychlor	0.5 ug/mL
.8081LCSPrim_00020	03/05/14	09/05/13	Hexane, Lot Hexane_Cycl_00017	10 mL	8081ABResPS_00004	0.25 mL	4,4'-DDD	50 ug/mL
							4,4'-DDE	50 ug/mL
							4,4'-DDT	50 ug/mL
							Aldrin	50 ug/mL
							alpha-BHC	50 ug/mL
							alpha-Chlordane	50 ug/mL
							beta-BHC	50 ug/mL
							delta-BHC	50 ug/mL
							Dieldrin	50 ug/mL
							Endosulfan I	50 ug/mL
							Endosulfan II	50 ug/mL
							Endosulfan sulfate	50 ug/mL
							Endrin	50 ug/mL
							Endrin aldehyde	50 ug/mL
							Endrin ketone	50 ug/mL
							gamma-BHC (Lindane)	50 ug/mL
							gamma-Chlordane	50 ug/mL
							Heptachlor	50 ug/mL
							Heptachlor epoxide	50 ug/mL
							Methoxychlor	50 ug/mL
..8081ABResPS_00004	09/05/14		Restek, Lot A093456		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
8081/82 Surr_00061	04/15/14	10/15/13	ACETONE, Lot Acetone_00074	1000 mL	AR_SURR_RES_00004	1 mL	DCB Decachlorobiphenyl	0.2 ug/mL
							Tetrachloro-m-xylene	0.2 ug/mL
.AR_SURR_RES_00004	03/31/19		RESTEK, Lot A092533		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081_EvalB2nd_00010	03/01/14	08/30/13	Hexane, Lot 36784	100 mL	8081EvalBStk2_00005	20 uL	4,4'-DDT	0.04 ug/mL
							Endrin	0.04 ug/mL
.8081EvalBStk2_00005	07/12/14		AccuStandard, Inc, Lot 213071146		(Purchased Reagent)		4,4'-DDT	200 ug/mL
							Endrin	200 ug/mL
8081ABICVL3_00017	12/28/13	06/28/13	Hexane, Lot 23181	100 mL	8081ABICVStk_00014	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABICVStk_00014	12/28/13	06/28/13	Hexane, Lot 23181	50 mL	8081ABResSS_00001	0.025 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081SurStkSS_00010	0.25 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResSS_00001	04/30/17	Restek, Lot A094503			(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081SurStkSS_00010	12/31/14	Ultra Scientific, Lot CG-3165A			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL1_00013	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	0.4 mL	4,4'-DDD	4 ng/mL
							4,4'-DDE	4 ng/mL
							4,4'-DDT	4 ng/mL
							Aldrin	4 ng/mL
							alpha-BHC	4 ng/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha-Chlordane	4 ng/mL
							beta-BHC	4 ng/mL
							delta-BHC	4 ng/mL
							Dieldrin	4 ng/mL
							Endosulfan I	4 ng/mL
							Endosulfan II	4 ng/mL
							Endosulfan sulfate	4 ng/mL
							Endrin	4 ng/mL
							Endrin aldehyde	4 ng/mL
							Endrin ketone	4 ng/mL
							gamma-BHC (Lindane)	4 ng/mL
							gamma-Chlordane	4 ng/mL
							Heptachlor	4 ng/mL
							Heptachlor epoxide	4 ng/mL
							Methoxychlor	4 ng/mL
							Hexachlorobenzene	4 ng/mL
							Isodrin	4 ng/mL
							Mirex	4 ng/mL
							DCB Decachlorobiphenyl	4 ng/mL
							Tetrachloro-m-xylene	4 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15	Accustandard, Inc., Lot 212011345-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL2_00013	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	1 mL	4,4'-DDD	10 ng/mL
							4,4'-DDE	10 ng/mL
							4,4'-DDT	10 ng/mL
							Aldrin	10 ng/mL
							alpha-BHC	10 ng/mL
							alpha-Chlordane	10 ng/mL
							beta-BHC	10 ng/mL
							delta-BHC	10 ng/mL
							Dieldrin	10 ng/mL
							Endosulfan I	10 ng/mL
							Endosulfan II	10 ng/mL
							Endosulfan sulfate	10 ng/mL
							Endrin	10 ng/mL
							Endrin aldehyde	10 ng/mL
							Endrin ketone	10 ng/mL
							gamma-BHC (Lindane)	10 ng/mL
							gamma-Chlordane	10 ng/mL
							Heptachlor	10 ng/mL
							Heptachlor epoxide	10 ng/mL
							Methoxychlor	10 ng/mL
							Hexachlorobenzene	10 ng/mL
							Isodrin	10 ng/mL
							Mirex	10 ng/mL
							DCB Decachlorobiphenyl	10 ng/mL
							Tetrachloro-m-xylene	10 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21		Accustandard, Inc., Lot 211041442		(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15		Accustandard, Lot 212041166		(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15		Accustandard, Inc., Lot 212011345-01		(Purchased Reagent)		Mirex	100 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL3_00014	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	2.5 mL	4,4'-DDD	25 ng/mL
							4,4'-DDE	25 ng/mL
							4,4'-DDT	25 ng/mL
							Aldrin	25 ng/mL
							alpha-BHC	25 ng/mL
							alpha-Chlordane	25 ng/mL
							beta-BHC	25 ng/mL
							delta-BHC	25 ng/mL
							Dieldrin	25 ng/mL
							Endosulfan I	25 ng/mL
							Endosulfan II	25 ng/mL
							Endosulfan sulfate	25 ng/mL
							Endrin	25 ng/mL
							Endrin aldehyde	25 ng/mL
							Endrin ketone	25 ng/mL
							gamma-BHC (Lindane)	25 ng/mL
							gamma-Chlordane	25 ng/mL
							Heptachlor	25 ng/mL
							Heptachlor epoxide	25 ng/mL
							Methoxychlor	25 ng/mL
							Hexachlorobenzene	25 ng/mL
							Isodrin	25 ng/mL
							Mirex	25 ng/mL
							DCB Decachlorobiphenyl	25 ng/mL
							Tetrachloro-m-xylene	25 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21		Accustandard, Inc., Lot 211041442		(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15		Accustandard, Lot 212041166		(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15		Accustandard, Inc., Lot 212011345-01		(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22		AccuStandard, Inc., Lot 212011008		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL4_00016	02/28/14	08/28/13	Hexane, Lot 36784	250 mL	8081ABCalStk_00020	12.5 mL	4,4'-DDD	50 ng/mL
							4,4'-DDE	50 ng/mL
							4,4'-DDT	50 ng/mL
							Aldrin	50 ng/mL
							alpha-BHC	50 ng/mL
							alpha-Chlordane	50 ng/mL
							beta-BHC	50 ng/mL
							delta-BHC	50 ng/mL
							Dieldrin	50 ng/mL
							Endosulfan I	50 ng/mL
							Endosulfan II	50 ng/mL
							Endosulfan sulfate	50 ng/mL
							Endrin	50 ng/mL
							Endrin aldehyde	50 ng/mL
							Endrin ketone	50 ng/mL
							gamma-BHC (Lindane)	50 ng/mL
							gamma-Chlordane	50 ng/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Heptachlor	50 ng/mL
							Heptachlor epoxide	50 ng/mL
							Methoxychlor	50 ng/mL
							Hexachlorobenzene	50 ng/mL
							Isodrin	50 ng/mL
							Mirex	50 ng/mL
							DCB Decachlorobiphenyl	50 ng/mL
							Tetrachloro-m-xylene	50 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15	Accustandard, Inc., Lot 212011345-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL5_00014	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	7.5 mL	4,4'-DDD	75 ng/mL
							4,4'-DDE	75 ng/mL
							4,4'-DDT	75 ng/mL
							Aldrin	75 ng/mL
							alpha-BHC	75 ng/mL
							alpha-Chlordane	75 ng/mL
							beta-BHC	75 ng/mL
							delta-BHC	75 ng/mL
							Dieldrin	75 ng/mL
							Endosulfan I	75 ng/mL
							Endosulfan II	75 ng/mL
							Endosulfan sulfate	75 ng/mL
							Endrin	75 ng/mL
							Endrin aldehyde	75 ng/mL
							Endrin ketone	75 ng/mL
							gamma-BHC (Lindane)	75 ng/mL
							gamma-Chlordane	75 ng/mL
							Heptachlor	75 ng/mL
							Heptachlor epoxide	75 ng/mL
							Methoxychlor	75 ng/mL
							Hexachlorobenzene	75 ng/mL
							Isodrin	75 ng/mL
							Mirex	75 ng/mL
							DCB Decachlorobiphenyl	75 ng/mL
							Tetrachloro-m-xylene	75 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21		Accustandard, Inc., Lot 211041442		(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15		Accustandard, Lot 212041166		(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15		Accustandard, Inc., Lot 212011345-01		(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22		AccuStandard, Inc., Lot 212011008		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081IcalL6_00013	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABCalStk_00020	10 mL	4,4'-DDD	100 ng/mL
							4,4'-DDE	100 ng/mL
							4,4'-DDT	100 ng/mL
							Aldrin	100 ng/mL
							alpha-BHC	100 ng/mL
							alpha-Chlordane	100 ng/mL
							beta-BHC	100 ng/mL
							delta-BHC	100 ng/mL
							Dieldrin	100 ng/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Endosulfan I	100 ng/mL
							Endosulfan II	100 ng/mL
							Endosulfan sulfate	100 ng/mL
							Endrin	100 ng/mL
							Endrin aldehyde	100 ng/mL
							Endrin ketone	100 ng/mL
							gamma-BHC (Lindane)	100 ng/mL
							gamma-Chlordane	100 ng/mL
							Heptachlor	100 ng/mL
							Heptachlor epoxide	100 ng/mL
							Methoxychlor	100 ng/mL
							Hexachlorobenzene	100 ng/mL
							Isodrin	100 ng/mL
							Mirex	100 ng/mL
							DCB Decachlorobiphenyl	100 ng/mL
							Tetrachloro-m-xylene	100 ng/mL
.8081ABCalStk_00020	02/28/14	08/28/13	Hexane, Lot 36784	100 mL	8081ABResPS_00001	0.05 mL	4,4'-DDD	1000 ng/mL
							4,4'-DDE	1000 ng/mL
							4,4'-DDT	1000 ng/mL
							Aldrin	1000 ng/mL
							alpha-BHC	1000 ng/mL
							alpha-Chlordane	1000 ng/mL
							beta-BHC	1000 ng/mL
							delta-BHC	1000 ng/mL
							Dieldrin	1000 ng/mL
							Endosulfan I	1000 ng/mL
							Endosulfan II	1000 ng/mL
							Endosulfan sulfate	1000 ng/mL
							Endrin	1000 ng/mL
							Endrin aldehyde	1000 ng/mL
							Endrin ketone	1000 ng/mL
							gamma-BHC (Lindane)	1000 ng/mL
							gamma-Chlordane	1000 ng/mL
							Heptachlor	1000 ng/mL
							Heptachlor epoxide	1000 ng/mL
							Methoxychlor	1000 ng/mL
					8081HCBStkPS_00010	1 mL	Hexachlorobenzene	1000 ng/mL
					8081IsodrinPS_00006	0.1 mL	Isodrin	1000 ng/mL
					8081MirxStkPS_00011	1 mL	Mirex	1000 ng/mL
					8081SurStkPS_00009	0.5 mL	DCB Decachlorobiphenyl	1000 ng/mL
							Tetrachloro-m-xylene	1000 ng/mL
..8081ABResPS_00001	11/30/16		Restek, Lot A091899		(Purchased Reagent)		4,4'-DDD	2000 ug/mL
							4,4'-DDE	2000 ug/mL
							4,4'-DDT	2000 ug/mL
							Aldrin	2000 ug/mL
							alpha-BHC	2000 ug/mL
							alpha-Chlordane	2000 ug/mL
							beta-BHC	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							delta-BHC	2000 ug/mL
							Dieldrin	2000 ug/mL
							Endosulfan I	2000 ug/mL
							Endosulfan II	2000 ug/mL
							Endosulfan sulfate	2000 ug/mL
							Endrin	2000 ug/mL
							Endrin aldehyde	2000 ug/mL
							Endrin ketone	2000 ug/mL
							gamma-BHC (Lindane)	2000 ug/mL
							gamma-Chlordane	2000 ug/mL
							Heptachlor	2000 ug/mL
							Heptachlor epoxide	2000 ug/mL
							Methoxychlor	2000 ug/mL
..8081HCBStkPS_00010	04/21/21	Accustandard, Inc., Lot 211041442			(Purchased Reagent)		Hexachlorobenzene	100 ug/mL
..8081IsodrinPS_00006	04/11/15	Accustandard, Lot 212041166			(Purchased Reagent)		Isodrin	1000 ug/mL
..8081MirxStkPS_00011	06/03/15	Accustandard, Inc., Lot 212011345-01			(Purchased Reagent)		Mirex	100 ug/mL
..8081SurStkPS_00009	01/04/22	AccuStandard, Inc., Lot 212011008			(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
8081Toxaphene_00015	01/24/14	07/24/13	ACETONE, Lot Acetone_00054	250 mL	8081 ToxStock_00006	0.5 mL	Toxaphene	2 ug/mL
.8081 ToxStock_00006	05/21/20	AccuStandard, Lot 210051215			(Purchased Reagent)		Toxaphene	1000 ug/mL
8081TOXCCVL4_00001	11/02/13	05/02/13	Hexane, Lot 23181	250 mL	8081ToxPS_00023	0.1 mL	Toxaphene	2000 ng/mL
							Toxaphene Peak 1	2000 ng/mL
							Toxaphene Peak 2	2000 ng/mL
							Toxaphene Peak 3	2000 ng/mL
							Toxaphene Peak 4	2000 ng/mL
							Toxaphene Peak 5	2000 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene	5000 ug/mL
							Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxICVL3_00001	11/06/13	05/06/13	Hexane, Lot 23181	100 mL	8081ToxSS_00011	0.1 mL	Toxaphene	1000 ng/mL
.8081ToxSS_00011	01/19/22	Accustandard, Inc., Lot 212011251			(Purchased Reagent)		Toxaphene	1000 ug/mL
8081ToxL1_00010	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.004 mL	Toxaphene Peak 1	200 ng/mL
							Toxaphene Peak 2	200 ng/mL
							Toxaphene Peak 3	200 ng/mL
							Toxaphene Peak 4	200 ng/mL
							Toxaphene Peak 5	200 ng/mL
.8081ToxPS_00023	06/30/17	Restek, Lot A094076			(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL2_00010	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.01 mL	Toxaphene Peak 1	500 ng/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Toxaphene Peak 2	500 ng/mL
							Toxaphene Peak 3	500 ng/mL
							Toxaphene Peak 4	500 ng/mL
							Toxaphene Peak 5	500 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL3_00010	11/03/13	05/03/13	Hexane, Lot 0000014962	100 mL	8081ToxPS_00023	0.02 mL	Toxaphene Peak 1	1000 ng/mL
							Toxaphene Peak 2	1000 ng/mL
							Toxaphene Peak 3	1000 ng/mL
							Toxaphene Peak 4	1000 ng/mL
							Toxaphene Peak 5	1000 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL5_00011	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.1 mL	Toxaphene Peak 1	5000 ng/mL
							Toxaphene Peak 2	5000 ng/mL
							Toxaphene Peak 3	5000 ng/mL
							Toxaphene Peak 4	5000 ng/mL
							Toxaphene Peak 5	5000 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8081ToxL6_00013	11/03/13	05/03/13	Hexane, Lot 23181	100 mL	8081ToxPS_00023	0.2 mL	Toxaphene Peak 1	10000 ng/mL
							Toxaphene Peak 2	10000 ng/mL
							Toxaphene Peak 3	10000 ng/mL
							Toxaphene Peak 4	10000 ng/mL
							Toxaphene Peak 5	10000 ng/mL
.8081ToxPS_00023	06/30/17		Restek, Lot A094076		(Purchased Reagent)		Toxaphene Peak 1	5000 ug/mL
							Toxaphene Peak 2	5000 ug/mL
							Toxaphene Peak 3	5000 ug/mL
							Toxaphene Peak 4	5000 ug/mL
							Toxaphene Peak 5	5000 ug/mL
8082 LCS_00034	02/02/14	08/02/13	ACETONE, Lot Acetone_00054	500 mL	8082LCSSTOCK_00021	1 mL	PCB-1016	2 ug/mL
							PCB-1260	2 ug/mL
.8082LCSSTOCK_00021	04/30/19		RESTEK, Lot A092844		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1260	1000 ug/mL
8270_LCS_Main_00004	08/31/14	09/13/13	P&T Methanol, Lot MethanolP&T_00069	250 mL	MS-567672_00015	5 mL	1,1'-Biphenyl	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00016	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00017	5 mL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567672_00018	5 mL	1,1'-Biphenyl	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Hexadecane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
					MS-567674_00008	5 mL	Benzoic acid	80 ug/mL
					MS-567674_00009	5 mL	Benzoic acid	80 ug/mL
					MS-567676_00008	5 mL	N-Nitrosodiphenylamine	80 ug/mL
					MS-567676_00009	5 mL	N-Nitrosodiphenylamine	80 ug/mL
.MS-567672_00015	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00016	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00017	08/31/14	Restek, Lot A093709			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567672_00018	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
.MS-567674_00008	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-567674_00009	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.MS-567676_00008	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-567676_00009	02/28/15		Restek, Lot A093442		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
8270_LCS_Supp_00025	11/03/13	10/27/13	P&T Methanol, Lot MethanolP&T_00071	50 mL	MS-567673_00023	2 mL	3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
.MS-567673_00023	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
8270Surrogate_00064	09/26/14	09/26/13	ACETONE, Lot Acetone_00070	1000 mL	8270SurStkHL_00012	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00018	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00026	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
					8270SurStkHL_00027	5 mL	2,4,6 - Tribromophenol	100 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Phenol-d6	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.8270SurStkHL_00012	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00018	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00026	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.8270SurStkHL_00027	02/28/18		Restek, Lot A093638		(Purchased Reagent)		2,4,6 - Tribromophenol	5000 ug/mL
							2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d6	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
Alt Ba Fe Zn_00001	03/01/14	11/08/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Ba_00007	0.01 mL	Barium	0.01 ppm
					1000 Zn_00006	0.02 mL	Zinc	0.02 ppm
					10000 Fe_00009	0.005 mL	Iron	0.05 ppm
.1000 Ba_00007	04/01/14	Inorganic Ventures, Lot F2-BA02076			(Purchased Reagent)		Barium	1000 mg/L
.1000 Zn_00006	04/01/14	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 mg/L
.10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
Alt Se Zn_00010	04/01/14	11/14/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Zn_00006	0.02 mL	Zinc	0.02 ppm
.1000 Zn_00006	04/01/14	Inorganic Ventures, Lot F2-ZN02075			(Purchased Reagent)		Zinc	1000 mg/L
Alt Se_00058	03/01/14	11/14/13	5%5%HNO3HCL, Lot See Reagent Log	1000 mL	1000 Se_00007	0.02 mL	Selenium	0.02 ppm
.1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
AR_1248_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1248_RESss_00001	25 uL	PCB-1248	250 ng/mL
							PCB-1248 Peak 1	250 ng/mL
							PCB-1248 Peak 2	250 ng/mL
							PCB-1248 Peak 3	250 ng/mL
							PCB-1248 Peak 4	250 ng/mL
							PCB-1248 Peak 5	250 ng/mL
.AR_1248_RESss_00001	08/22/14	RESTEK, Lot A094339			(Purchased Reagent)		PCB-1248	1000 ug/mL
							PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L1_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	0.25 mL	PCB-1248 Peak 1	0.025 ug/mL
							PCB-1248 Peak 2	0.025 ug/mL
							PCB-1248 Peak 3	0.025 ug/mL
							PCB-1248 Peak 4	0.025 ug/mL
							PCB-1248 Peak 5	0.025 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L2_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	0.5 mL	PCB-1248 Peak 1	0.05 ug/mL
							PCB-1248 Peak 2	0.05 ug/mL
							PCB-1248 Peak 3	0.05 ug/mL
							PCB-1248 Peak 4	0.05 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 5	0.05 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L3_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	1 mL	PCB-1248 Peak 1	0.1 ug/mL
							PCB-1248 Peak 2	0.1 ug/mL
							PCB-1248 Peak 3	0.1 ug/mL
							PCB-1248 Peak 4	0.1 ug/mL
							PCB-1248 Peak 5	0.1 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L4_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	2.5 mL	PCB-1248 Peak 1	0.25 ug/mL
							PCB-1248 Peak 2	0.25 ug/mL
							PCB-1248 Peak 3	0.25 ug/mL
							PCB-1248 Peak 4	0.25 ug/mL
							PCB-1248 Peak 5	0.25 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	5 mL	PCB-1248 Peak 1	0.5 ug/mL
							PCB-1248 Peak 2	0.5 ug/mL
							PCB-1248 Peak 3	0.5 ug/mL
							PCB-1248 Peak 4	0.5 ug/mL
							PCB-1248 Peak 5	0.5 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L6_00008	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_1248_L7_00005	7.5 mL	PCB-1248 Peak 1	0.75 ug/mL
							PCB-1248 Peak 2	0.75 ug/mL
							PCB-1248 Peak 3	0.75 ug/mL
							PCB-1248 Peak 4	0.75 ug/mL
							PCB-1248 Peak 5	0.75 ug/mL
.AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
..AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1248_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1248_ACC_00007	100 uL	PCB-1248 Peak 1	1 ug/mL
							PCB-1248 Peak 2	1 ug/mL
							PCB-1248 Peak 3	1 ug/mL
							PCB-1248 Peak 4	1 ug/mL
							PCB-1248 Peak 5	1 ug/mL
.AR_1248_ACC_00007	07/25/21	Accustandard, Lot 211071294			(Purchased Reagent)		PCB-1248 Peak 1	1000 ug/mL
							PCB-1248 Peak 2	1000 ug/mL
							PCB-1248 Peak 3	1000 ug/mL
							PCB-1248 Peak 4	1000 ug/mL
							PCB-1248 Peak 5	1000 ug/mL
AR_1660_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1660_RESss_00001	25 uL	PCB-1016	250 ng/mL
							PCB-1016 Peak 1	250 ng/mL
							PCB-1016 Peak 2	250 ng/mL
							PCB-1016 Peak 3	250 ng/mL
							PCB-1016 Peak 4	250 ng/mL
							PCB-1016 Peak 5	250 ng/mL
							PCB-1260	250 ng/mL
							PCB-1260 Peak 1	250 ng/mL
							PCB-1260 Peak 2	250 ng/mL
							PCB-1260 Peak 3	250 ng/mL
							PCB-1260 Peak 4	250 ng/mL
							PCB-1260 Peak 5	250 ng/mL
.AR_1660_RESss_00001	08/22/14	RESTEK, Lot A094336			(Purchased Reagent)		PCB-1016	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
							PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
AR_1660_L1_00020	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	0.25 mL	PCB-1016 Peak 1	0.025 ug/mL
							PCB-1016 Peak 2	0.025 ug/mL
							PCB-1016 Peak 3	0.025 ug/mL
							PCB-1016 Peak 4	0.025 ug/mL
							PCB-1016 Peak 5	0.025 ug/mL
							PCB-1260 Peak 1	0.025 ug/mL
							PCB-1260 Peak 2	0.025 ug/mL
							PCB-1260 Peak 3	0.025 ug/mL
							PCB-1260 Peak 4	0.025 ug/mL
							PCB-1260 Peak 5	0.025 ug/mL
							DCB Decachlorobiphenyl	0.00125 ug/mL
							Tetrachloro-m-xylene	0.00125 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
AR_1660_L2_00019	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	0.5 mL	PCB-1016 Peak 1	0.05 ug/mL
							PCB-1016 Peak 2	0.05 ug/mL
							PCB-1016 Peak 3	0.05 ug/mL
							PCB-1016 Peak 4	0.05 ug/mL
							PCB-1016 Peak 5	0.05 ug/mL
							PCB-1260 Peak 1	0.05 ug/mL
							PCB-1260 Peak 2	0.05 ug/mL
							PCB-1260 Peak 3	0.05 ug/mL
							PCB-1260 Peak 4	0.05 ug/mL
							PCB-1260 Peak 5	0.05 ug/mL
							DCB Decachlorobiphenyl	0.0025 ug/mL
							Tetrachloro-m-xylene	0.0025 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L3_00020	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	1 mL	PCB-1016 Peak 1	0.1 ug/mL
							PCB-1016 Peak 2	0.1 ug/mL
							PCB-1016 Peak 3	0.1 ug/mL
							PCB-1016 Peak 4	0.1 ug/mL
							PCB-1016 Peak 5	0.1 ug/mL
							PCB-1260 Peak 1	0.1 ug/mL
							PCB-1260 Peak 2	0.1 ug/mL
							PCB-1260 Peak 3	0.1 ug/mL
							PCB-1260 Peak 4	0.1 ug/mL
							PCB-1260 Peak 5	0.1 ug/mL
							DCB Decachlorobiphenyl	0.005 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Tetrachloro-m-xylene	0.005 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L4_00057	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	2.5 mL	PCB-1016 Peak 1	0.25 ug/mL
							PCB-1016 Peak 2	0.25 ug/mL
							PCB-1016 Peak 3	0.25 ug/mL
							PCB-1016 Peak 4	0.25 ug/mL
							PCB-1016 Peak 5	0.25 ug/mL
							PCB-1260 Peak 1	0.25 ug/mL
							PCB-1260 Peak 2	0.25 ug/mL
							PCB-1260 Peak 3	0.25 ug/mL
							PCB-1260 Peak 4	0.25 ug/mL
							PCB-1260 Peak 5	0.25 ug/mL
							DCB Decachlorobiphenyl	0.0125 ug/mL
							Tetrachloro-m-xylene	0.0125 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L5_00045	01/10/14	10/24/13	hexane, Lot 36784	25 mL	AR_1660_L7_00012	12.5 mL	PCB-1016	0.5 ug/mL
							PCB-1016 Peak 1	0.5 ug/mL
							PCB-1016 Peak 2	0.5 ug/mL
							PCB-1016 Peak 3	0.5 ug/mL
							PCB-1016 Peak 4	0.5 ug/mL
							PCB-1016 Peak 5	0.5 ug/mL
							PCB-1260	0.5 ug/mL
							PCB-1260 Peak 1	0.5 ug/mL
							PCB-1260 Peak 2	0.5 ug/mL
							PCB-1260 Peak 3	0.5 ug/mL
							PCB-1260 Peak 4	0.5 ug/mL
							PCB-1260 Peak 5	0.5 ug/mL
							DCB Decachlorobiphenyl	0.025 ug/mL
							Tetrachloro-m-xylene	0.025 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016	1 ug/mL
							PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260	1 ug/mL
							PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016	1000 ug/mL
							PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260	1000 ug/mL
							PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L6_00021	01/09/14	07/15/13	hexane, Lot 23181	10 mL	AR_1660_L7_00012	7.5 mL	PCB-1016 Peak 1	0.75 ug/mL
							PCB-1016 Peak 2	0.75 ug/mL
							PCB-1016 Peak 3	0.75 ug/mL
							PCB-1016 Peak 4	0.75 ug/mL
							PCB-1016 Peak 5	0.75 ug/mL
							PCB-1260 Peak 1	0.75 ug/mL
							PCB-1260 Peak 2	0.75 ug/mL
							PCB-1260 Peak 3	0.75 ug/mL
							PCB-1260 Peak 4	0.75 ug/mL
							PCB-1260 Peak 5	0.75 ug/mL
							DCB Decachlorobiphenyl	0.0375 ug/mL
							Tetrachloro-m-xylene	0.0375 ug/mL
.AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
..AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
..AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
..AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_1660_L7_00012	01/10/14	07/10/13	Hexane, Lot 23181	100 mL	AR_1016_ACC_00009	100 uL	PCB-1016 Peak 1	1 ug/mL
							PCB-1016 Peak 2	1 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1016 Peak 3	1 ug/mL
							PCB-1016 Peak 4	1 ug/mL
							PCB-1016 Peak 5	1 ug/mL
					AR_1260_ACC_00008	100 uL	PCB-1260 Peak 1	1 ug/mL
							PCB-1260 Peak 2	1 ug/mL
							PCB-1260 Peak 3	1 ug/mL
							PCB-1260 Peak 4	1 ug/mL
							PCB-1260 Peak 5	1 ug/mL
					AR_SURR_ACC_00008	25 uL	DCB Decachlorobiphenyl	0.05 ug/mL
							Tetrachloro-m-xylene	0.05 ug/mL
.AR_1016_ACC_00009	07/10/14		ACCUSTANDARD, Lot 212061353		(Purchased Reagent)		PCB-1016 Peak 1	1000 ug/mL
							PCB-1016 Peak 2	1000 ug/mL
							PCB-1016 Peak 3	1000 ug/mL
							PCB-1016 Peak 4	1000 ug/mL
							PCB-1016 Peak 5	1000 ug/mL
.AR_1260_ACC_00008	07/10/14		ACCUSTANDARD, Lot 212041025		(Purchased Reagent)		PCB-1260 Peak 1	1000 ug/mL
							PCB-1260 Peak 2	1000 ug/mL
							PCB-1260 Peak 3	1000 ug/mL
							PCB-1260 Peak 4	1000 ug/mL
							PCB-1260 Peak 5	1000 ug/mL
.AR_SURR_ACC_00008	07/10/14		Accustandard, Lot 211031069		(Purchased Reagent)		DCB Decachlorobiphenyl	200 ug/mL
							Tetrachloro-m-xylene	200 ug/mL
AR_2154_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1221_RESss_00001	25 uL	PCB-1221	250 ng/mL
							PCB-1221 Peak 1	250 ng/mL
							PCB-1221 Peak 2	250 ng/mL
							PCB-1221 Peak 3	250 ng/mL
					AR_1254_RESss_00001	25 uL	PCB-1254	250 ng/mL
							PCB-1254 Peak 1	250 ng/mL
							PCB-1254 Peak 2	250 ng/mL
							PCB-1254 Peak 3	250 ng/mL
							PCB-1254 Peak 4	250 ng/mL
							PCB-1254 Peak 5	250 ng/mL
.AR_1221_RESss_00001	08/22/14		RESTEK, Lot A094157		(Purchased Reagent)		PCB-1221	1000 ug/mL
							PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
.AR_1254_RESss_00001	08/22/14		RESTEK, Lot A095778		(Purchased Reagent)		PCB-1254	1000 ug/mL
							PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L1_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	0.25 mL	PCB-1221 Peak 1	0.025 ug/mL
							PCB-1221 Peak 2	0.025 ug/mL
							PCB-1221 Peak 3	0.025 ug/mL
							PCB-1254 Peak 1	0.025 ug/mL
							PCB-1254 Peak 2	0.025 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 3	0.025 ug/mL
							PCB-1254 Peak 4	0.025 ug/mL
							PCB-1254 Peak 5	0.025 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L2_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	0.5 mL	PCB-1221 Peak 1	0.05 ug/mL
							PCB-1221 Peak 2	0.05 ug/mL
							PCB-1221 Peak 3	0.05 ug/mL
							PCB-1254 Peak 1	0.05 ug/mL
							PCB-1254 Peak 2	0.05 ug/mL
							PCB-1254 Peak 3	0.05 ug/mL
							PCB-1254 Peak 4	0.05 ug/mL
							PCB-1254 Peak 5	0.05 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L3_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	1 mL	PCB-1221 Peak 1	0.1 ug/mL
							PCB-1221 Peak 2	0.1 ug/mL
							PCB-1221 Peak 3	0.1 ug/mL
							PCB-1254 Peak 1	0.1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 2	0.1 ug/mL
							PCB-1254 Peak 3	0.1 ug/mL
							PCB-1254 Peak 4	0.1 ug/mL
							PCB-1254 Peak 5	0.1 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L4_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	2.5 mL	PCB-1221 Peak 1	0.25 ug/mL
							PCB-1221 Peak 2	0.25 ug/mL
							PCB-1221 Peak 3	0.25 ug/mL
							PCB-1254 Peak 1	0.25 ug/mL
							PCB-1254 Peak 2	0.25 ug/mL
							PCB-1254 Peak 3	0.25 ug/mL
							PCB-1254 Peak 4	0.25 ug/mL
							PCB-1254 Peak 5	0.25 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	5 mL	PCB-1221 Peak 1	0.5 ug/mL
							PCB-1221 Peak 2	0.5 ug/mL
							PCB-1221 Peak 3	0.5 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1254 Peak 1	0.5 ug/mL
							PCB-1254 Peak 2	0.5 ug/mL
							PCB-1254 Peak 3	0.5 ug/mL
							PCB-1254 Peak 4	0.5 ug/mL
							PCB-1254 Peak 5	0.5 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L6_00008	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_2154_L7_00006	7.5 mL	PCB-1221 Peak 1	0.75 ug/mL
							PCB-1221 Peak 2	0.75 ug/mL
							PCB-1221 Peak 3	0.75 ug/mL
							PCB-1254 Peak 1	0.75 ug/mL
							PCB-1254 Peak 2	0.75 ug/mL
							PCB-1254 Peak 3	0.75 ug/mL
							PCB-1254 Peak 4	0.75 ug/mL
							PCB-1254 Peak 5	0.75 ug/mL
.AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
..AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
..AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_2154_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1221_ACC_00007	100 uL	PCB-1221 Peak 1	1 ug/mL
							PCB-1221 Peak 2	1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1221 Peak 3	1 ug/mL
					AR_1254_ACC_00007	100 uL	PCB-1254 Peak 1	1 ug/mL
							PCB-1254 Peak 2	1 ug/mL
							PCB-1254 Peak 3	1 ug/mL
							PCB-1254 Peak 4	1 ug/mL
							PCB-1254 Peak 5	1 ug/mL
.AR_1221_ACC_00007	08/30/20		Accustandard, Lot 210081358		(Purchased Reagent)		PCB-1221 Peak 1	1000 ug/mL
							PCB-1221 Peak 2	1000 ug/mL
							PCB-1221 Peak 3	1000 ug/mL
.AR_1254_ACC_00007	04/18/22		Accustandard, Lot 212041262		(Purchased Reagent)		PCB-1254 Peak 1	1000 ug/mL
							PCB-1254 Peak 2	1000 ug/mL
							PCB-1254 Peak 3	1000 ug/mL
							PCB-1254 Peak 4	1000 ug/mL
							PCB-1254 Peak 5	1000 ug/mL
AR_3262_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1232_RESss_00001	25 uL	PCB-1232	250 ng/mL
							PCB-1232 Peak 1	250 ng/mL
							PCB-1232 Peak 2	250 ng/mL
							PCB-1232 Peak 3	250 ng/mL
							PCB-1232 Peak 4	250 ng/mL
							PCB-1232 Peak 5	250 ng/mL
.AR_1232_RESss_00001	08/22/14		RESTEK, Lot A095877		(Purchased Reagent)		PCB-1232	1000 ug/mL
							PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
AR_3262_L1_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	0.25 mL	PCB-1232 Peak 1	0.025 ug/mL
							PCB-1232 Peak 2	0.025 ug/mL
							PCB-1232 Peak 3	0.025 ug/mL
							PCB-1232 Peak 4	0.025 ug/mL
							PCB-1232 Peak 5	0.025 ug/mL
							PCB-1262 Peak 1	0.025 ug/mL
							PCB-1262 Peak 2	0.025 ug/mL
							PCB-1262 Peak 3	0.025 ug/mL
							PCB-1262 Peak 4	0.025 ug/mL
							PCB-1262 Peak 5	0.025 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22		Accustandard, Lot 212061306		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L2_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	0.5 mL	PCB-1232 Peak 1	0.05 ug/mL
							PCB-1232 Peak 2	0.05 ug/mL
							PCB-1232 Peak 3	0.05 ug/mL
							PCB-1232 Peak 4	0.05 ug/mL
							PCB-1232 Peak 5	0.05 ug/mL
							PCB-1262 Peak 1	0.05 ug/mL
							PCB-1262 Peak 2	0.05 ug/mL
							PCB-1262 Peak 3	0.05 ug/mL
							PCB-1262 Peak 4	0.05 ug/mL
							PCB-1262 Peak 5	0.05 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L3_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	1 mL	PCB-1232 Peak 1	0.1 ug/mL
							PCB-1232 Peak 2	0.1 ug/mL
							PCB-1232 Peak 3	0.1 ug/mL
							PCB-1232 Peak 4	0.1 ug/mL
							PCB-1232 Peak 5	0.1 ug/mL
							PCB-1262 Peak 1	0.1 ug/mL
							PCB-1262 Peak 2	0.1 ug/mL
							PCB-1262 Peak 3	0.1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1262 Peak 4	0.1 ug/mL
							PCB-1262 Peak 5	0.1 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L4_00011	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	2.5 mL	PCB-1232 Peak 1	0.25 ug/mL
							PCB-1232 Peak 2	0.25 ug/mL
							PCB-1232 Peak 3	0.25 ug/mL
							PCB-1232 Peak 4	0.25 ug/mL
							PCB-1232 Peak 5	0.25 ug/mL
							PCB-1262 Peak 1	0.25 ug/mL
							PCB-1262 Peak 2	0.25 ug/mL
							PCB-1262 Peak 3	0.25 ug/mL
							PCB-1262 Peak 4	0.25 ug/mL
							PCB-1262 Peak 5	0.25 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..AR_1262_ACC_00007	01/23/14		accustandard, Lot B4010239		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	5 mL	PCB-1232 Peak 1	0.5 ug/mL
							PCB-1232 Peak 2	0.5 ug/mL
							PCB-1232 Peak 3	0.5 ug/mL
							PCB-1232 Peak 4	0.5 ug/mL
							PCB-1232 Peak 5	0.5 ug/mL
							PCB-1262 Peak 1	0.5 ug/mL
							PCB-1262 Peak 2	0.5 ug/mL
							PCB-1262 Peak 3	0.5 ug/mL
							PCB-1262 Peak 4	0.5 ug/mL
							PCB-1262 Peak 5	0.5 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22		Accustandard, Lot 212061306		(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14		accustandard, Lot B4010239		(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L6_00008	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_3262_L7_00006	7.5 mL	PCB-1232 Peak 1	0.75 ug/mL
							PCB-1232 Peak 2	0.75 ug/mL
							PCB-1232 Peak 3	0.75 ug/mL
							PCB-1232 Peak 4	0.75 ug/mL
							PCB-1232 Peak 5	0.75 ug/mL
							PCB-1262 Peak 1	0.75 ug/mL
							PCB-1262 Peak 2	0.75 ug/mL
							PCB-1262 Peak 3	0.75 ug/mL
							PCB-1262 Peak 4	0.75 ug/mL
							PCB-1262 Peak 5	0.75 ug/mL
.AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
..AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
..AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_3262_L7_00006	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1232_ACC_00007	100 uL	PCB-1232 Peak 1	1 ug/mL
							PCB-1232 Peak 2	1 ug/mL
							PCB-1232 Peak 3	1 ug/mL
							PCB-1232 Peak 4	1 ug/mL
							PCB-1232 Peak 5	1 ug/mL
					AR_1262_ACC_00007	100 uL	PCB-1262 Peak 1	1 ug/mL
							PCB-1262 Peak 2	1 ug/mL
							PCB-1262 Peak 3	1 ug/mL
							PCB-1262 Peak 4	1 ug/mL
							PCB-1262 Peak 5	1 ug/mL
.AR_1232_ACC_00007	06/25/22	Accustandard, Lot 212061306			(Purchased Reagent)		PCB-1232 Peak 1	1000 ug/mL
							PCB-1232 Peak 2	1000 ug/mL
							PCB-1232 Peak 3	1000 ug/mL
							PCB-1232 Peak 4	1000 ug/mL
							PCB-1232 Peak 5	1000 ug/mL
.AR_1262_ACC_00007	01/23/14	accustandard, Lot B4010239			(Purchased Reagent)		PCB-1262 Peak 1	1000 ug/mL
							PCB-1262 Peak 2	1000 ug/mL
							PCB-1262 Peak 3	1000 ug/mL
							PCB-1262 Peak 4	1000 ug/mL
							PCB-1262 Peak 5	1000 ug/mL
AR_4268_ICV_00002	02/22/14	08/22/13	Hexane, Lot 32783	100 mL	AR_1242_RESss_00001	25 uL	PCB-1242	250 ng/mL
							PCB-1242 Peak 1	250 ng/mL
							PCB-1242 Peak 2	250 ng/mL
							PCB-1242 Peak 3	250 ng/mL
							PCB-1242 Peak 4	250 ng/mL
							PCB-1242 Peak 5	250 ng/mL
.AR_1242_RESss_00001	08/22/14	RESTEK, Lot A095785			(Purchased Reagent)		PCB-1242	1000 ug/mL
							PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
AR_4268_L1_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	0.25 mL	PCB-1242 Peak 1	0.025 ug/mL
							PCB-1242 Peak 2	0.025 ug/mL
							PCB-1242 Peak 3	0.025 ug/mL
							PCB-1242 Peak 4	0.025 ug/mL
							PCB-1242 Peak 5	0.025 ug/mL
							PCB-1268 Peak 1	0.025 ug/mL
							PCB-1268 Peak 2	0.025 ug/mL
							PCB-1268 Peak 3	0.025 ug/mL
							PCB-1268 Peak 4	0.025 ug/mL
							PCB-1268 Peak 5	0.025 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L2_00009	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	0.5 mL	PCB-1242 Peak 1	0.05 ug/mL
							PCB-1242 Peak 2	0.05 ug/mL
							PCB-1242 Peak 3	0.05 ug/mL
							PCB-1242 Peak 4	0.05 ug/mL
							PCB-1242 Peak 5	0.05 ug/mL
							PCB-1268 Peak 1	0.05 ug/mL
							PCB-1268 Peak 2	0.05 ug/mL
							PCB-1268 Peak 3	0.05 ug/mL
							PCB-1268 Peak 4	0.05 ug/mL
							PCB-1268 Peak 5	0.05 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L3_00009	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	1 mL	PCB-1242 Peak 1	0.1 ug/mL
							PCB-1242 Peak 2	0.1 ug/mL
							PCB-1242 Peak 3	0.1 ug/mL
							PCB-1242 Peak 4	0.1 ug/mL
							PCB-1242 Peak 5	0.1 ug/mL
							PCB-1268 Peak 1	0.1 ug/mL
							PCB-1268 Peak 2	0.1 ug/mL
							PCB-1268 Peak 3	0.1 ug/mL
							PCB-1268 Peak 4	0.1 ug/mL
							PCB-1268 Peak 5	0.1 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L4_00012	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	2.5 mL	PCB-1242 Peak 1	0.25 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1242 Peak 2	0.25 ug/mL
							PCB-1242 Peak 3	0.25 ug/mL
							PCB-1242 Peak 4	0.25 ug/mL
							PCB-1242 Peak 5	0.25 ug/mL
							PCB-1268 Peak 1	0.25 ug/mL
							PCB-1268 Peak 2	0.25 ug/mL
							PCB-1268 Peak 3	0.25 ug/mL
							PCB-1268 Peak 4	0.25 ug/mL
							PCB-1268 Peak 5	0.25 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21	Accustandard, Lot 212101235			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19	Accustandard, Lot 209091091			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L5_00010	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	5 mL	PCB-1242 Peak 1	0.5 ug/mL
							PCB-1242 Peak 2	0.5 ug/mL
							PCB-1242 Peak 3	0.5 ug/mL
							PCB-1242 Peak 4	0.5 ug/mL
							PCB-1242 Peak 5	0.5 ug/mL
							PCB-1268 Peak 1	0.5 ug/mL
							PCB-1268 Peak 2	0.5 ug/mL
							PCB-1268 Peak 3	0.5 ug/mL
							PCB-1268 Peak 4	0.5 ug/mL
							PCB-1268 Peak 5	0.5 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L6_00007	01/15/14	07/15/13	Hexane, Lot 23181	10 mL	AR_4268_L7_00005	7.5 mL	PCB-1242 Peak 1	0.75 ug/mL
							PCB-1242 Peak 2	0.75 ug/mL
							PCB-1242 Peak 3	0.75 ug/mL
							PCB-1242 Peak 4	0.75 ug/mL
							PCB-1242 Peak 5	0.75 ug/mL
							PCB-1268 Peak 1	0.75 ug/mL
							PCB-1268 Peak 2	0.75 ug/mL
							PCB-1268 Peak 3	0.75 ug/mL
							PCB-1268 Peak 4	0.75 ug/mL
							PCB-1268 Peak 5	0.75 ug/mL
.AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
..AR_1242_ACC_00007	09/07/21		Accustandard, Lot 212101235		(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
..AR_1268_ACC_00007	09/16/19		Accustandard, Lot 209091091		(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
AR_4268_L7_00005	01/15/14	07/15/13	Hexane, Lot 23181	100 mL	AR_1242_ACC_00007	100 uL	PCB-1242 Peak 1	1 ug/mL
							PCB-1242 Peak 2	1 ug/mL
							PCB-1242 Peak 3	1 ug/mL
							PCB-1242 Peak 4	1 ug/mL
							PCB-1242 Peak 5	1 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					AR_1268_ACC_00007	100 uL	PCB-1268 Peak 1	1 ug/mL
							PCB-1268 Peak 2	1 ug/mL
							PCB-1268 Peak 3	1 ug/mL
							PCB-1268 Peak 4	1 ug/mL
							PCB-1268 Peak 5	1 ug/mL
.AR_1242_ACC_00007	09/07/21	Accustandard, Lot 212101235			(Purchased Reagent)		PCB-1242 Peak 1	1000 ug/mL
							PCB-1242 Peak 2	1000 ug/mL
							PCB-1242 Peak 3	1000 ug/mL
							PCB-1242 Peak 4	1000 ug/mL
							PCB-1242 Peak 5	1000 ug/mL
.AR_1268_ACC_00007	09/16/19	Accustandard, Lot 209091091			(Purchased Reagent)		PCB-1268 Peak 1	1000 ug/mL
							PCB-1268 Peak 2	1000 ug/mL
							PCB-1268 Peak 3	1000 ug/mL
							PCB-1268 Peak 4	1000 ug/mL
							PCB-1268 Peak 5	1000 ug/mL
Freon_A_00001	11/29/14	05/29/13	P&T Methanol, Lot DH955	10 mL	MV-568037_00001	400 uL	1,1,1-Trifluoro-2,2-dichloroethane	40 ug/mL
.MV-568037_00001	04/30/16	Restek, Lot A094928			(Purchased Reagent)		1,1,1-Trifluoro-2,2-dichloroethane	1000 ug/mL
Hg Daily Spk_00943	11/14/13	11/13/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
.Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
..Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Soil CCV_00493	11/14/13	11/13/13	1% HNO3, Lot K14036	50 mL	Hg Daily Spk_00943	2.5 mL	Mercury	0.005 mg/L
.Hg Daily Spk_00943	11/14/13	11/13/13	1% HNO3, Lot K23022	100 mL	Hg Mnth Spike_00060	1 mL	Mercury	0.1 mg/L
..Hg Mnth Spike_00060	12/02/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg Ultra Prim_00005	1 mL	Mercury	10 mg/L
...Hg Ultra Prim_00005	03/27/14	Ultra Scientific, Lot L00365			(Purchased Reagent)		Mercury	1000 mg/L
Hg Soil ICV_00098	11/14/13	11/13/13	1% HNO3, Lot K23022	50 mL	Hg Biwk ICV_00120	0.5 mL	Mercury	0.004 mg/L
.Hg Biwk ICV_00120	11/18/13	11/04/13	1% HNO3, Lot K23022	100 mL	Hg ICV Stock_00005	0.4 mL	Mercury	0.4 mg/L
..Hg ICV Stock_00005	03/27/14	Inorganic Ventures, Lot E2-HG02088			(Purchased Reagent)		Mercury	100 mg/L
ICP CCVH_00290	01/01/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00198	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00198	01/01/14	11/05/13	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00008	10 mL	Aluminum	100 mg/L
					10000 Fe_00009	10 mL	Iron	100 mg/L
					10000 Na_00027	50 mL	Sodium	500 mg/L
..10000 Al_00008	01/01/14	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00027	09/01/14	Inorganic Ventures, Lot F2-NA03103			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVH_00292	01/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL2A_00199	250 mL	Aluminum	50 mg/L
							Iron	50 mg/L
							Sodium	250 mg/L
.ICP ICAL2A_00199	01/01/14	11/11/13	5%HCl/5% HNO3, Lot see reagent log	1000 mL	10000 Al_00008	10 mL	Aluminum	100 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					10000 Fe_00009	10 mL	Iron	100 mg/L
					10000 Na_00027	50 mL	Sodium	500 mg/L
..10000 Al_00008	01/01/14	Inorganic Ventures, Lot F2-AL04115			(Purchased Reagent)		Aluminum	10000 mg/L
..10000 Fe_00009	08/01/14	Inorganic Ventures, Lot F2-FE04019			(Purchased Reagent)		Iron	10000 mg/L
..10000 Na_00027	09/01/14	Inorganic Ventures, Lot F2-NA03103			(Purchased Reagent)		Sodium	10000 mg/L
ICP CCVL_00346	02/28/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00329	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00329	03/01/14	11/05/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Sb_00008	1 mL	Antimony	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					1000 Tl_00007	1 mL	Thallium	2 mg/L
					Icp cal std 2_00007	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00007	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00008	05/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00007	08/01/14	Inorganic Ventures, Lot E2-TL01124			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485102			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP CCVL_00347	02/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	ICP ICAL1A_00330	250 mL	Arsenic	1 mg/L
							Lead	1 mg/L
							Antimony	1 mg/L
							Selenium	1 mg/L
							Thallium	1 mg/L
							Molybdenum	0.5 mg/L
							Aluminum	0.5 mg/L
							Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Boron	0.5 mg/L
							Cadmium	0.5 mg/L
							Calcium	5 mg/L
							Chromium	0.5 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Iron	2.5 mg/L
							Magnesium	20 mg/L
							Manganese	0.5 mg/L
							Nickel	0.5 mg/L
							Potassium	50 mg/L
							Silver	0.5 mg/L
							Sodium	5 mg/L
							Strontium	0.5 mg/L
							Vanadium	0.5 mg/L
							Zinc	0.5 mg/L
.ICP ICAL1A_00330	03/01/14	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	500 mL	1000 As_00009	1 mL	Arsenic	2 mg/L
					1000 Pb_00011	1 mL	Lead	2 mg/L
					1000 Sb_00008	1 mL	Antimony	2 mg/L
					1000 Se_00007	1 mL	Selenium	2 mg/L
					1000 Tl_00007	1 mL	Thallium	2 mg/L
					Icp cal std 2_00007	5 mL	Molybdenum	1 mg/L
					Icp cal std 3_00007	5 mL	Aluminum	1 mg/L
							Barium	1 mg/L
							Beryllium	1 mg/L
							Boron	1 mg/L
							Cadmium	1 mg/L
							Calcium	10 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1 mg/L
							Iron	5 mg/L
							Magnesium	40 mg/L
							Manganese	1 mg/L
							Nickel	1 mg/L
							Potassium	100 mg/L
							Silver	1 mg/L
							Sodium	10 mg/L
							Strontium	1 mg/L
							Vanadium	1 mg/L
							Zinc	1 mg/L
..1000 As_00009	03/01/14	Inorganic Venture, Lot F2-AS02083			(Purchased Reagent)		Arsenic	1000 mg/L
..1000 Pb_00011	03/01/14	Inorganic Ventures, Lot F2-PB03035			(Purchased Reagent)		Lead	1000 mg/L
..1000 Sb_00008	05/01/14	Inorganic Ventures, Lot F2-SB03010			(Purchased Reagent)		Antimony	1000 mg/L
..1000 Se_00007	05/01/14	Inorganic Ventures, Lot E2-SE02033			(Purchased Reagent)		Selenium	1000 mg/L
..1000 Tl_00007	08/01/14	Inorganic Ventures, Lot E2-TL01124			(Purchased Reagent)		Thallium	1000 mg/L
..Icp cal std 2_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485102			(Purchased Reagent)		Molybdenum	100 mg/L
..Icp cal std 3_00007	08/01/14	Inorganic Ventures, Lot G2-MEB485103			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	100 mg/L
							Beryllium	100 mg/L
							Boron	100 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cadmium	100 mg/L
							Calcium	1000 mg/L
							Chromium	100 mg/L
							Cobalt	100 mg/L
							Copper	100 mg/L
							Iron	500 mg/L
							Magnesium	4000 mg/L
							Manganese	100 mg/L
							Nickel	100 mg/L
							Potassium	10000 mg/L
							Silver	100 mg/L
							Sodium	1000 mg/L
							Strontium	100 mg/L
							Vanadium	100 mg/L
							Zinc	100 mg/L
ICP ICSA_00078	02/01/14	10/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSA_00079	02/01/14	10/28/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICSAB_00074	12/30/13	11/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	250 mL	1000 Zr_00005	0.25 mL	Zr	1 mg/L
					10000 Si_00008	0.25 mL	Si	10 mg/L
							SiO2	21.4 mg/L
					10000 Th_00004	0.05 mL	Th	2 mg/L
					ANALYTES B_00006	2.5 mL	Barium	0.5 mg/L
							Beryllium	0.5 mg/L
							Cadmium	1 mg/L
							Chromium	0.5 mg/L
							Cobalt	0.5 mg/L
							Copper	0.5 mg/L
							Lead	1 mg/L
							Manganese	0.5 mg/L
							Nickel	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	1 mg/L
							Vanadium	0.5 mg/L
							Zinc	1 mg/L
					ICP ISAB 1B_00005	2.5 mL	Thallium	10 mg/L
					ICP ISAB STD1_00005	2.5 mL	Antimony	1 mg/L
							Arsenic	2 mg/L
							Boron	2 mg/L
							Li	1 mg/L
							Molybdenum	1 mg/L
							P	2 mg/L
							Potassium	50 mg/L
							Selenium	5 mg/L
							Sodium	50 mg/L
							Strontium	1 mg/L
					ICP ISAB STD2_00005	2.5 mL	Sn	10 mg/L
							Ti	1 mg/L
					Icp stk ICSA_00008	25 mL	Aluminum	500 mg/L
							Calcium	500 mg/L
							Iron	200 mg/L
							Magnesium	500 mg/L
.1000 Zr_00005	04/01/14		Spex, Lot F2-ZR01094		(Purchased Reagent)		Zr	1000 mg/L
.10000 Si_00008	04/01/14		Inorganic ventures, Lot F2-SI03018		(Purchased Reagent)		Si	10000 mg/L
							SiO2	21400 mg/L
.10000 Th_00004	01/01/14		Inorganic Ventures, Lot D2-TH01080		(Purchased Reagent)		Th	10000 mg/L
.ANALYTES B_00006	12/30/13		SPEX, Lot 7-166YPY		(Purchased Reagent)		Barium	50 mg/L
							Beryllium	50 mg/L
							Cadmium	100 mg/L
							Chromium	50 mg/L
							Cobalt	50 mg/L
							Copper	50 mg/L
							Lead	100 mg/L
							Manganese	50 mg/L
							Nickel	100 mg/L
							Silver	100 mg/L
							Vanadium	50 mg/L
							Zinc	100 mg/L
.ICP ISAB 1B_00005	04/11/14		High Purity, Lot 1309814		(Purchased Reagent)		Thallium	1000 mg/L
.ICP ISAB STD1_00005	04/11/14		High Purity, Lot 1309813		(Purchased Reagent)		Antimony	100 mg/L
							Arsenic	200 mg/L
							Boron	200 mg/L
							Li	100 mg/L
							Molybdenum	100 mg/L
							P	200 mg/L
							Potassium	5000 mg/L
							Selenium	500 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
.ICP ISAB STD2_00005	04/11/14		High Purity, Lot 1309815		(Purchased Reagent)		Sn	1000 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ti	100 mg/L
.Icp stk ICSA_00008	02/01/14	Inorganic Ventures, Lot F2-MEB454028			(Purchased Reagent)		Aluminum	5000 mg/L
							Calcium	5000 mg/L
							Iron	2000 mg/L
							Magnesium	5000 mg/L
ICP ICVH_00122	01/02/14	10/31/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00101	2 mL	Aluminum	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00101	01/02/14	High Purity, Lot 1236313			(Purchased Reagent)		Aluminum	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
ICP ICVH_00123	01/02/14	11/14/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVH_00101	2 mL	Aluminum	40 mg/L
							Iron	80 mg/L
							Sodium	40 mg/L
.Icp ICVH_00101	01/02/14	High Purity, Lot 1236313			(Purchased Reagent)		Aluminum	4000 mg/L
							Iron	8000 mg/L
							Sodium	4000 mg/L
ICP ICVL_00104	03/07/14	11/07/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	200 mL	Icp ICVL A_00005	2 mL	Aluminum	0.25 mg/L
							Arsenic	0.25 mg/L
							Barium	0.25 mg/L
							Beryllium	0.25 mg/L
							Boron	0.25 mg/L
							Cadmium	0.25 mg/L
							Calcium	2 mg/L
							Chromium	0.25 mg/L
							Cobalt	0.25 mg/L
							Copper	0.25 mg/L
							Iron	0.25 mg/L
							Lead	0.25 mg/L
							Magnesium	10 mg/L
							Manganese	0.25 mg/L
							Nickel	0.25 mg/L
							Potassium	20 mg/L
							Selenium	0.5 mg/L
							Sodium	2 mg/L
							Strontium	0.25 mg/L
							Thallium	0.5 mg/L
							Vanadium	0.25 mg/L
							Zinc	0.25 mg/L
					Icp ICVL B_00005	2 mL	Antimony	0.25 mg/L
							Molybdenum	0.25 mg/L
							Silver	0.25 mg/L
.Icp ICVL A_00005	03/07/14	High Purity, Lot 1306335			(Purchased Reagent)		Aluminum	25 mg/L
							Arsenic	25 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	25 mg/L
							Beryllium	25 mg/L
							Boron	25 mg/L
							Cadmium	25 mg/L
							Calcium	200 mg/L
							Chromium	25 mg/L
							Cobalt	25 mg/L
							Copper	25 mg/L
							Iron	25 mg/L
							Lead	25 mg/L
							Magnesium	1000 mg/L
							Manganese	25 mg/L
							Nickel	25 mg/L
							Potassium	2000 mg/L
							Selenium	50 mg/L
							Sodium	200 mg/L
							Strontium	25 mg/L
							Thallium	50 mg/L
							Vanadium	25 mg/L
							Zinc	25 mg/L
.Icp ICVL B_00005	03/07/14		HIGH PURITY, Lot 1306324		(Purchased Reagent)		Antimony	25 mg/L
							Molybdenum	25 mg/L
							Silver	25 mg/L
ICP LLCCV_01011	11/09/13	11/08/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01012	11/12/13	11/11/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP LLCCV_01015	11/15/13	11/14/13	5%/5% HCL/HNO3, Lot SEE LOGBOOK	100 mL	ICP LLCCV-1_00019	1 mL	Aluminum	0.1 mg/L
							Arsenic	0.015 mg/L
							Barium	0.01 mg/L
							Beryllium	0.001 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.01 mg/L
							Copper	0.015 mg/L
							Iron	0.1 mg/L
							Lead	0.009 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.01 mg/L
							Nickel	0.04 mg/L
							Potassium	3 mg/L
							Selenium	0.015 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Strontium	0.01 mg/L
							Thallium	0.015 mg/L
							Vanadium	0.01 mg/L
							Zinc	0.02 mg/L
					ICP LLCCV-2_00009	1 mL	Antimony	0.01 mg/L
							Boron	0.1 mg/L
							Molybdenum	0.02 mg/L
.ICP LLCCV-1_00019	07/01/14	Inorganic Ventures, Lot G2-MEB476096			(Purchased Reagent)		Aluminum	10 mg/L
							Arsenic	1.5 mg/L
							Barium	1 mg/L
							Beryllium	0.1 mg/L
							Cadmium	0.5 mg/L
							Calcium	20 mg/L
							Chromium	1 mg/L
							Cobalt	1 mg/L
							Copper	1.5 mg/L
							Iron	10 mg/L
							Lead	0.9 mg/L
							Magnesium	20 mg/L
							Manganese	1 mg/L
							Nickel	4 mg/L
							Potassium	300 mg/L
							Selenium	1.5 mg/L
							Silver	1 mg/L
							Sodium	100 mg/L
							Strontium	1 mg/L
							Thallium	1.5 mg/L
							Vanadium	1 mg/L
							Zinc	2 mg/L
.ICP LLCCV-2_00009	07/01/14	Inorganic Ventures, Lot G2-MEB476097			(Purchased Reagent)		Antimony	1 mg/L
							Boron	10 mg/L
							Molybdenum	2 mg/L
ICP RL STD_01033	11/09/13	11/08/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Selenium	0.01 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Selenium	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01034	11/12/13	11/11/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Vanadium	0.01 mg/L
							Zinc	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Selenium	0.01 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
							Zinc	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Selenium	10 mg/L
							Thallium	10 mg/L
ICP RL STD_01037	11/15/13	11/14/13	5:HNO3/5%HCl, Lot see reagent log	100 mL	ICP RL STD 2A_00006	0.1 mL	Molybdenum	0.01 mg/L
					ICP RL STD3A_00005	0.1 mL	Aluminum	0.1 mg/L
							Barium	0.005 mg/L
							Beryllium	0.001 mg/L
							Boron	0.1 mg/L
							Cadmium	0.005 mg/L
							Calcium	0.2 mg/L
							Chromium	0.01 mg/L
							Cobalt	0.005 mg/L
							Copper	0.01 mg/L
							Iron	0.03 mg/L
							Magnesium	0.2 mg/L
							Manganese	0.003 mg/L
							Nickel	0.01 mg/L
							Potassium	1 mg/L

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Silver	0.01 mg/L
							Sodium	1 mg/L
							Strontium	0.005 mg/L
							Vanadium	0.01 mg/L
					ICP RLSTD 1A_00006	0.1 mL	Antimony	0.01 mg/L
							Arsenic	0.01 mg/L
							Lead	0.003 mg/L
							Thallium	0.01 mg/L
.ICP RL STD 2A_00006	07/01/14	Inorganic Ventures, Lot C2-MEB299021			(Purchased Reagent)		Molybdenum	10 mg/L
.ICP RL STD3A_00005	07/01/14	Inorganic Ventures, Lot G2-MEB481019			(Purchased Reagent)		Aluminum	100 mg/L
							Barium	5 mg/L
							Beryllium	1 mg/L
							Boron	100 mg/L
							Cadmium	5 mg/L
							Calcium	200 mg/L
							Chromium	10 mg/L
							Cobalt	5 mg/L
							Copper	10 mg/L
							Iron	30 mg/L
							Magnesium	200 mg/L
							Manganese	3 mg/L
							Nickel	10 mg/L
							Potassium	1000 mg/L
							Silver	10 mg/L
							Sodium	1000 mg/L
							Strontium	5 mg/L
							Vanadium	10 mg/L
.ICP RLSTD 1A_00006	07/01/14	Inorganic Ventures, Lot G2-MEB481018			(Purchased Reagent)		Antimony	10 mg/L
							Arsenic	10 mg/L
							Lead	3 mg/L
							Thallium	10 mg/L
ICP SPK 2A_00066	10/01/14	Inorganic Ventures, Lot G2-MEB477031			(Purchased Reagent)		Antimony	50 mg/L
							Boron	100 mg/L
							Molybdenum	100 mg/L
							Si	1000 mg/L
							SiO2	2140 mg/L
							Sn	200 mg/L
							Ti	100 mg/L
							Zr	50 mg/L
ICP SPK 3A_00070	11/01/14	Inorganic Ventures, Lot G2-MEB491084			(Purchased Reagent)		Aluminum	200 mg/L
							Arsenic	100 mg/L
							Barium	200 mg/L
							Beryllium	5 mg/L
							Bi	200 mg/L
							Cadmium	10 mg/L
							Calcium	5000 mg/L
							Chromium	20 mg/L

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Cobalt	50 mg/L
							Copper	25 mg/L
							Iron	100 mg/L
							Lead	50 mg/L
							Li	100 mg/L
							Magnesium	5000 mg/L
							Manganese	50 mg/L
							Nickel	50 mg/L
							P	1000 mg/L
							Potassium	5000 mg/L
							Selenium	200 mg/L
							Silver	5 mg/L
							Sodium	5000 mg/L
							Strontium	100 mg/L
							Th	100 mg/L
							Thallium	200 mg/L
							U	200 mg/L
							Vanadium	50 mg/L
							Zinc	50 mg/L
MS-AP9A010_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	25 uL	1,3,5-Trinitrobenzene	10 ug/mL
							1,4-Dinitrobenzene	10 ug/mL
							1-Naphthylamine	10 ug/mL
							2-Acetylaminofluorene	10 ug/mL
							2-Naphthylamine	10 ug/mL
							2-Picoline	10 ug/mL
							2-Toluidine	10 ug/mL
							3,3'-Dimethylbenzidine	10 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	10 ug/mL
							4-Aminobiphenyl	10 ug/mL
							4-Nitroquinoline-1-oxide	10 ug/mL
							alpha,alpha-Dimethyl phenethylamine	10 ug/mL
							Diphenylamine	10 ug/mL
							N-Nitro-o-toluidine	10 ug/mL
							N-Nitrosodi-n-butylamine	10 ug/mL
							N-Nitrosodiethylamine	10 ug/mL
							N-Nitrosomethylethylamine	10 ug/mL
							N-Nitrosomorpholine	10 ug/mL
							N-Nitrosopiperidine	10 ug/mL
							N-Nitrosopyrrolidine	10 ug/mL
							p-Dimethylamino azobenzene	10 ug/mL
							p-Phenylene diamine	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenacetin	10 ug/mL
							Pronamide	10 ug/mL
							1,4-Naphthoquinone	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							7,12-Dimethylbenz(a)anthracene	10 ug/mL
							Chlorobenzilate	10 ug/mL
							Ethyl methanesulfonate	10 ug/mL
							Hexachloropropene	10 ug/mL
							Isodrin	10 ug/mL
							Methyl methanesulfonate	10 ug/mL
							Pentachlorobenzene	10 ug/mL
							Pentachloroethane	10 ug/mL
							3-Methylcholanthrene	10 ug/mL
							Aramite Peak 1	4.61 ug/mL
							Aramite Peak 2	5.39 ug/mL
							Diallate Peak 1	8.82 ug/mL
							Diallate Peak 2	1.18 ug/mL
							Dimethoate	10 ug/mL
							Disulfoton	10 ug/mL
							Ethyl Parathion	10 ug/mL
							Methyl parathion	10 ug/mL
							o,o',o''-Triethylphosphorothioate	10 ug/mL
							Phorate	10 ug/mL
							Safrole, Total	10 ug/mL
							Sulfotepp	10 ug/mL
							Thionazin	10 ug/mL
							Methapyrilene	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A020_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	50 uL	1,3,5-Trinitrobenzene	20 ug/mL
							1,4-Dinitrobenzene	20 ug/mL
							1-Naphthylamine	20 ug/mL
							2-Acetylaminofluorene	20 ug/mL
							2-Naphthylamine	20 ug/mL
							2-Picoline	20 ug/mL
							2-Toluidine	20 ug/mL
							3,3'-Dimethylbenzidine	20 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	20 ug/mL
							4-Aminobiphenyl	20 ug/mL
							4-Nitroquinoline-1-oxide	20 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	20 ug/mL
							Diphenylamine	20 ug/mL
							N-Nitro-o-toluidine	20 ug/mL
							N-Nitrosodi-n-butylamine	20 ug/mL
							N-Nitrosodiethylamine	20 ug/mL
							N-Nitrosomethylethylamine	20 ug/mL
							N-Nitrosomorpholine	20 ug/mL
							N-Nitrosopiperidine	20 ug/mL
							N-Nitrosopyrrolidine	20 ug/mL
							p-Dimethylamino azobenzene	20 ug/mL
							p-Phenylene diamine	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenacetin	20 ug/mL
							Pronamide	20 ug/mL
							1,4-Naphthoquinone	20 ug/mL
							1-Chloronaphthalene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							7,12-Dimethylbenz(a)anthracene	20 ug/mL
							Chlorobenzilate	20 ug/mL
							Ethyl methanesulfonate	20 ug/mL
							Hexachloropropene	20 ug/mL
							Isodrin	20 ug/mL
							Methyl methanesulfonate	20 ug/mL
							Pentachlorobenzene	20 ug/mL
							Pentachloroethane	20 ug/mL
							3-Methylcholanthrene	20 ug/mL
							Aramite Peak 1	9.22 ug/mL
							Aramite Peak 2	10.78 ug/mL
							Diallate Peak 1	17.64 ug/mL
							Diallate Peak 2	2.36 ug/mL
							Dimethoate	20 ug/mL
							Disulfoton	20 ug/mL
							Ethyl Parathion	20 ug/mL
							Methyl parathion	20 ug/mL
							o,o',o''-Triethylphosphorothioate	20 ug/mL
							Phorate	20 ug/mL
							Safrole, Total	20 ug/mL
							Sulfotepp	20 ug/mL
							Thionazin	20 ug/mL
							Methapyrilene	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL

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Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A050_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	125 uL	1,3,5-Trinitrobenzene	50 ug/mL
							1,4-Dinitrobenzene	50 ug/mL
							1-Naphthylamine	50 ug/mL
							2-Acetylaminofluorene	50 ug/mL
							2-Naphthylamine	50 ug/mL
							2-Picoline	50 ug/mL
							2-Toluidine	50 ug/mL
							3,3'-Dimethylbenzidine	50 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	50 ug/mL
							4-Aminobiphenyl	50 ug/mL
							4-Nitroquinoline-1-oxide	50 ug/mL
							alpha,alpha-Dimethyl phenethylamine	50 ug/mL
							Diphenylamine	50 ug/mL
							N-Nitro-o-toluidine	50 ug/mL
							N-Nitrosodi-n-butylamine	50 ug/mL
							N-Nitrosodiethylamine	50 ug/mL
							N-Nitrosomethylethylamine	50 ug/mL
							N-Nitrosomorpholine	50 ug/mL
							N-Nitrosopiperidine	50 ug/mL
							N-Nitrosopyrrolidine	50 ug/mL
							p-Dimethylamino azobenzene	50 ug/mL
							p-Phenylene diamine	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL
							Phenacetin	50 ug/mL
							Pronamide	50 ug/mL
							1,4-Naphthoquinone	50 ug/mL
							1-Chloronaphthalene	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							7,12-Dimethylbenz(a)anthracene	50 ug/mL
							Chlorobenzilate	50 ug/mL
							Ethyl methanesulfonate	50 ug/mL
							Hexachloropropene	50 ug/mL
							Isodrin	50 ug/mL
							Methyl methanesulfonate	50 ug/mL
							Pentachlorobenzene	50 ug/mL
							Pentachloroethane	50 ug/mL
							3-Methylcholanthrene	50 ug/mL
							Aramite Peak 1	23.05 ug/mL
							Aramite Peak 2	26.95 ug/mL
							Diallate Peak 1	44.1 ug/mL
							Diallate Peak 2	5.9 ug/mL
							Dimethoate	50 ug/mL
							Disulfoton	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl Parathion	50 ug/mL
							Methyl parathion	50 ug/mL
							o,o',o''-Triethylphosphorothioate	50 ug/mL
							Phorate	50 ug/mL
							Safrole, Total	50 ug/mL
							Sulfotepp	50 ug/mL
							Thionazin	50 ug/mL
							Methapyrilene	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A080_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	200 uL	1,3,5-Trinitrobenzene	80 ug/mL
							1,4-Dinitrobenzene	80 ug/mL
							1-Naphthylamine	80 ug/mL
							2-Acetylaminofluorene	80 ug/mL
							2-Naphthylamine	80 ug/mL
							2-Picoline	80 ug/mL
							2-Toluidine	80 ug/mL
							3,3'-Dimethylbenzidine	80 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	80 ug/mL
							4-Aminobiphenyl	80 ug/mL
							4-Nitroquinoline-1-oxide	80 ug/mL
							alpha,alpha-Dimethyl phenethylamine	80 ug/mL
							Diphenylamine	80 ug/mL
							N-Nitro-o-toluidine	80 ug/mL
							N-Nitrosodi-n-butylamine	80 ug/mL
							N-Nitrosodiethylamine	80 ug/mL
							N-Nitrosomethylethylamine	80 ug/mL
							N-Nitrosomorpholine	80 ug/mL
							N-Nitrosopiperidine	80 ug/mL
							N-Nitrosopyrrolidine	80 ug/mL
							p-Dimethylamino azobenzene	80 ug/mL
							p-Phenylene diamine	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenacetin	80 ug/mL
							Pronamide	80 ug/mL
							1,4-Naphthoquinone	80 ug/mL
							1-Chloronaphthalene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							7,12-Dimethylbenz(a)anthracene	80 ug/mL
							Chlorobenzilate	80 ug/mL
							Ethyl methanesulfonate	80 ug/mL
							Hexachloropropene	80 ug/mL
							Isodrin	80 ug/mL
							Methyl methanesulfonate	80 ug/mL
							Pentachlorobenzene	80 ug/mL
							Pentachloroethane	80 ug/mL
							3-Methylcholanthrene	80 ug/mL
							Aramite Peak 1	36.88 ug/mL
							Aramite Peak 2	43.12 ug/mL
							Diallate Peak 1	70.56 ug/mL
							Diallate Peak 2	9.44 ug/mL
							Dimethoate	80 ug/mL
							Disulfoton	80 ug/mL
							Ethyl Parathion	80 ug/mL
							Methyl parathion	80 ug/mL
							o,o',o''-Triethylphosphorothioate	80 ug/mL
							Phorate	80 ug/mL
							Safrole, Total	80 ug/mL
							Sulfotepp	80 ug/mL
							Thionazin	80 ug/mL
							Methapyrilene	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A120_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	300 uL	1,3,5-Trinitrobenzene	120 ug/mL
							1,4-Dinitrobenzene	120 ug/mL
							1-Naphthylamine	120 ug/mL
							2-Acetylaminofluorene	120 ug/mL
							2-Naphthylamine	120 ug/mL
							2-Picoline	120 ug/mL
							2-Toluidine	120 ug/mL
							3,3'-Dimethylbenzidine	120 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	120 ug/mL
							4-Aminobiphenyl	120 ug/mL
							4-Nitroquinoline-1-oxide	120 ug/mL
							alpha,alpha-Dimethyl phenethylamine	120 ug/mL
							Diphenylamine	120 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitro-o-toluidine	120 ug/mL
							N-Nitrosodi-n-butylamine	120 ug/mL
							N-Nitrosodiethylamine	120 ug/mL
							N-Nitrosomethylethylamine	120 ug/mL
							N-Nitrosomorpholine	120 ug/mL
							N-Nitrosopiperidine	120 ug/mL
							N-Nitrosopyrrolidine	120 ug/mL
							p-Dimethylamino azobenzene	120 ug/mL
							p-Phenylene diamine	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenacetin	120 ug/mL
							Pronamide	120 ug/mL
							1,4-Naphthoquinone	120 ug/mL
							1-Chloronaphthalene	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							7,12-Dimethylbenz(a)anthracene	120 ug/mL
							Chlorobenzilate	120 ug/mL
							Ethyl methanesulfonate	120 ug/mL
							Hexachloropropene	120 ug/mL
							Isodrin	120 ug/mL
							Methyl methanesulfonate	120 ug/mL
							Pentachlorobenzene	120 ug/mL
							Pentachloroethane	120 ug/mL
							3-Methylcholanthrene	120 ug/mL
							Aramite Peak 1	55.32 ug/mL
							Aramite Peak 2	64.68 ug/mL
							Diallate Peak 1	105.84 ug/mL
							Diallate Peak 2	14.16 ug/mL
							Dimethoate	120 ug/mL
							Disulfoton	120 ug/mL
							Ethyl Parathion	120 ug/mL
							Methyl parathion	120 ug/mL
							o,o',o''-Triethylphosphorothioate	120 ug/mL
							Phorate	120 ug/mL
							Safrole, Total	120 ug/mL
							Sulfotepp	120 ug/mL
							Thionazin	120 ug/mL
							Methapyrilene	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MS-AP9A160_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	400 uL	1,3,5-Trinitrobenzene	160 ug/mL
							1,4-Dinitrobenzene	160 ug/mL
							1-Naphthylamine	160 ug/mL
							2-Acetylaminofluorene	160 ug/mL
							2-Naphthylamine	160 ug/mL
							2-Picoline	160 ug/mL
							2-Toluidine	160 ug/mL
							3,3'-Dimethylbenzidine	160 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	160 ug/mL
							4-Aminobiphenyl	160 ug/mL
							4-Nitroquinoline-1-oxide	160 ug/mL
							alpha,alpha-Dimethyl phenethylamine	160 ug/mL
							Diphenylamine	160 ug/mL
							N-Nitro-o-toluidine	160 ug/mL
							N-Nitrosodi-n-butylamine	160 ug/mL
							N-Nitrosodiethylamine	160 ug/mL
							N-Nitrosomethylethylamine	160 ug/mL
							N-Nitrosomorpholine	160 ug/mL
							N-Nitrosopiperidine	160 ug/mL
							N-Nitrosopyrrolidine	160 ug/mL
							p-Dimethylamino azobenzene	160 ug/mL
							p-Phenylene diamine	160 ug/mL
							Pentachloronitrobenzene	160 ug/mL
							Phenacetin	160 ug/mL
							Pronamide	160 ug/mL
							1,4-Naphthoquinone	160 ug/mL
							1-Chloronaphthalene	160 ug/mL
							2,6-Dichlorophenol	160 ug/mL
							7,12-Dimethylbenz(a)anthracene	160 ug/mL
							Chlorobenzilate	160 ug/mL
							Ethyl methanesulfonate	160 ug/mL
							Hexachloropropene	160 ug/mL
							Isodrin	160 ug/mL
							Methyl methanesulfonate	160 ug/mL
							Pentachlorobenzene	160 ug/mL
							Pentachloroethane	160 ug/mL
							3-Methylcholanthrene	160 ug/mL
							Aramite Peak 1	73.76 ug/mL
							Aramite Peak 2	86.24 ug/mL
							Diallate Peak 1	141.12 ug/mL
							Diallate Peak 2	18.88 ug/mL
							Dimethoate	160 ug/mL
							Disulfoton	160 ug/mL
							Ethyl Parathion	160 ug/mL
							Methyl parathion	160 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o,o',o''-Triethylphosphorothioate	160 ug/mL
							Phorate	160 ug/mL
							Safrole, Total	160 ug/mL
							Sulfotepp	160 ug/mL
							Thionazin	160 ug/mL
							Methapyrilene	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9A200_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9A_STK_00003	500 uL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
							1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
							3-Methylcholanthrene	200 ug/mL
							Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
							Methapyrilene	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-AP9A_STK_00003	08/13/14	08/13/13	Methylene Chloride, Lot 34862	10 mL	MS-567678_00003	2 mL	1,3,5-Trinitrobenzene	200 ug/mL
							1,4-Dinitrobenzene	200 ug/mL
							1-Naphthylamine	200 ug/mL
							2-Acetylaminofluorene	200 ug/mL
							2-Naphthylamine	200 ug/mL
							2-Picoline	200 ug/mL
							2-Toluidine	200 ug/mL
							3,3'-Dimethylbenzidine	200 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	200 ug/mL
							4-Aminobiphenyl	200 ug/mL
							4-Nitroquinoline-1-oxide	200 ug/mL
							alpha,alpha-Dimethyl phenethylamine	200 ug/mL
							Diphenylamine	200 ug/mL
							N-Nitro-o-toluidine	200 ug/mL
							N-Nitrosodi-n-butylamine	200 ug/mL
							N-Nitrosodiethylamine	200 ug/mL
							N-Nitrosomethylethylamine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosomorpholine	200 ug/mL
							N-Nitrosopiperidine	200 ug/mL
							N-Nitrosopyrrolidine	200 ug/mL
							p-Dimethylamino azobenzene	200 ug/mL
							p-Phenylene diamine	200 ug/mL
							Pentachloronitrobenzene	200 ug/mL
							Phenacetin	200 ug/mL
							Pronamide	200 ug/mL
					MS-567679_00004	2 mL	1,4-Naphthoquinone	200 ug/mL
							1-Chloronaphthalene	200 ug/mL
							2,6-Dichlorophenol	200 ug/mL
							7,12-Dimethylbenz(a)anthracene	200 ug/mL
							Chlorobenzilate	200 ug/mL
							Ethyl methanesulfonate	200 ug/mL
							Hexachloropropene	200 ug/mL
							Isodrin	200 ug/mL
							Methyl methanesulfonate	200 ug/mL
							Pentachlorobenzene	200 ug/mL
							Pentachloroethane	200 ug/mL
					MS-567680_00003	1 mL	3-Methylcholanthrene	200 ug/mL
					MS-567681_00003	2 mL	Aramite Peak 1	92.2 ug/mL
							Aramite Peak 2	107.8 ug/mL
							Diallate Peak 1	176.4 ug/mL
							Diallate Peak 2	23.6 ug/mL
							Dimethoate	200 ug/mL
							Disulfoton	200 ug/mL
							Ethyl Parathion	200 ug/mL
							Methyl parathion	200 ug/mL
							o,o',o''-Triethylphosphorothioate	200 ug/mL
							Phorate	200 ug/mL
							Safrole, Total	200 ug/mL
							Sulfotepp	200 ug/mL
							Thionazin	200 ug/mL
					MS-567682_00003	1 mL	Methapyrilene	200 ug/mL
..MS-567678_00003	02/28/15		Restek, Lot A093629		(Purchased Reagent)		1,3,5-Trinitrobenzene	1000 ug/mL
							1,4-Dinitrobenzene	1000 ug/mL
							1-Naphthylamine	1000 ug/mL
							2-Acetylaminofluorene	1000 ug/mL
							2-Naphthylamine	1000 ug/mL
							2-Picoline	1000 ug/mL
							2-Toluidine	1000 ug/mL
							3,3'-Dimethylbenzidine	1000 ug/mL
							4,4'-Methylene bis(2-chloroaniline)	1000 ug/mL
							4-Aminobiphenyl	1000 ug/mL
							4-Nitroquinoline-1-oxide	1000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							alpha,alpha-Dimethyl phenethylamine	1000 ug/mL
							Diphenylamine	1000 ug/mL
							N-Nitro-o-toluidine	1000 ug/mL
							N-Nitrosodi-n-butylamine	1000 ug/mL
							N-Nitrosodiethylamine	1000 ug/mL
							N-Nitrosomethylethylamine	1000 ug/mL
							N-Nitrosomorpholine	1000 ug/mL
							N-Nitrosopiperidine	1000 ug/mL
							N-Nitrosopyrrolidine	1000 ug/mL
							p-Dimethylamino azobenzene	1000 ug/mL
							p-Phenylene diamine	1000 ug/mL
							Pentachloronitrobenzene	1000 ug/mL
							Phenacetin	1000 ug/mL
							Pronamide	1000 ug/mL
..MS-567679_00004	02/28/15		Restek, Lot A093658		(Purchased Reagent)		1,4-Naphthoquinone	1000 ug/mL
							1-Chloronaphthalene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							7,12-Dimethylbenz(a)anthracene	1000 ug/mL
							Chlorobenzilate	1000 ug/mL
							Ethyl methanesulfonate	1000 ug/mL
							Hexachloropropene	1000 ug/mL
							Isodrin	1000 ug/mL
							Methyl methanesulfonate	1000 ug/mL
							Pentachlorobenzene	1000 ug/mL
							Pentachloroethane	1000 ug/mL
..MS-567680_00003	02/29/16		Restek, Lot A093631		(Purchased Reagent)		3-Methylcholanthrene	2000 ug/mL
..MS-567681_00003	02/28/15		Restek, Lot A093468		(Purchased Reagent)		Aramite Peak 1	461 ug/mL
							Aramite Peak 2	539 ug/mL
							Diallate Peak 1	882 ug/mL
							Diallate Peak 2	118 ug/mL
							Dimethoate	1000 ug/mL
							Disulfoton	1000 ug/mL
							Ethyl Parathion	1000 ug/mL
							Methyl parathion	1000 ug/mL
							o,o',o''-Triethylphosphorothioate	1000 ug/mL
							Phorate	1000 ug/mL
							Safrole, Total	1000 ug/mL
							Sulfotepp	1000 ug/mL
							Thionazin	1000 ug/mL
..MS-567682_00003	02/28/15		Restek, Lot A093700		(Purchased Reagent)		Methapyrilene	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-AP9ACCV080_00005	04/04/14	10/30/13	Methylene Chloride, Lot 42358	0.5 mL	MS-AP9A_STK_00004	200 uL	N-Nitrosopyrrolidine	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
.MS-AP9A_STK_00004	10/30/14	10/30/13	Methylene Chloride, Lot 42358	10 mL	MS-567678_00004	2 mL	N-Nitrosopyrrolidine	200 ug/mL
					MS-567679_00005	2 mL	2,6-Dichlorophenol	200 ug/mL
..MS-567678_00004	02/28/15		Restek, Lot A093629		(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
..MS-567679_00005	02/28/15		Restek, Lot A093658		(Purchased Reagent)		2,6-Dichlorophenol	1000 ug/mL
MS-AP9B1SSV_00001	04/04/14	05/15/13	Methylene Chloride, Lot 31650	0.5 mL	MS-AP9B1_STK_00001	250 uL	2,6-Dichlorophenol	100 ug/mL
.MS-AP9B1_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567679SEC_00001	2 mL	2,6-Dichlorophenol	200 ug/mL
..MS-567679SEC_00001	03/31/15		Restek, Lot A093864		(Purchased Reagent)		2,6-Dichlorophenol	1000 ug/mL
MS-AP9B3SSV_00002	04/04/14	08/06/13	Methylene Chloride, Lot 34862	0.5 mL	MS-AP9B3_STK_00002	250 uL	N-Nitrosopyrrolidine	100 ug/mL
.MS-AP9B3_STK_00002	05/14/14	05/14/13	Methylene Chloride, Lot 31650	10 mL	MS-567678SEC_00001	2 mL	N-Nitrosopyrrolidine	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567678SEC_00001	04/30/15	Restek, Lot A095060			(Purchased Reagent)		N-Nitrosopyrrolidine	1000 ug/mL
MS-BZHDA-CCV_00003	04/04/14	10/21/13	Methylene Chloride, Lot 42358	0.5 mL	MS-BZHDA_STK_00001	250 uL	Benzaldehyde	100 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
MS-BZHDA010_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	25 uL	Benzaldehyde	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

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SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA020_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	50 uL	Benzaldehyde	20 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA050_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	125 uL	Benzaldehyde	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA080_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	200 uL	Benzaldehyde	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA120_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	300 uL	Benzaldehyde	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA160_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	400 uL	Benzaldehyde	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18	Restek, Lot A093676			(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDA200_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDA_STK_00001	500 uL	Benzaldehyde	200 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-BZHDA_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677_00001	08/30/14	Restek, Lot A093445			(Purchased Reagent)		Benzaldehyde	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-BZHDB-SSV_00002	04/04/14	08/13/13	Methylene Chloride, Lot 34862	0.5 mL	MS-BZHDB_STK_00001	250 uL	Benzaldehyde	100 ug/mL
.MS-BZHDB_STK_00001	04/30/14	04/30/13	Methylene Chloride, Lot 14960	10 mL	MS-567677SEC_00001	1 mL	Benzaldehyde	200 ug/mL
..MS-567677SEC_00001	08/30/14		Restek, Lot A093656		(Purchased Reagent)		Benzaldehyde	2000 ug/mL
MS-HSLA004_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	10 uL	2,4,6-Tribromophenol (Surr)	4 ug/mL
							2-Fluorobiphenyl	4 ug/mL
							2-Fluorophenol (Surr)	4 ug/mL
							Nitrobenzene-d5 (Surr)	4 ug/mL
							Phenol-d5 (Surr)	4 ug/mL
							Terphenyl-d14 (Surr)	4 ug/mL
							1,1'-Biphenyl	4 ug/mL
							1,2,4,5-Tetrachlorobenzene	4 ug/mL
							1,2,4-Trichlorobenzene	4 ug/mL
							1,2-Dichlorobenzene	4 ug/mL
							1,2-Diphenylhydrazine	4.0439 ug/mL
							1,3-Dichlorobenzene	4 ug/mL
							1,3-Dinitrobenzene	4 ug/mL
							1,4-Dichlorobenzene	4 ug/mL
							1,4-Dioxane	4 ug/mL
							1-Methylnaphthalene	4 ug/mL
							2,2'-oxybis[1-chloropropane]	4 ug/mL
							2,3,4,6-Tetrachlorophenol	4 ug/mL
							2,4,5-Trichlorophenol	4 ug/mL
							2,4,6-Trichlorophenol	4 ug/mL
							2,4-Dichlorophenol	4 ug/mL
							2,4-Dimethylphenol	4 ug/mL
							2,4-Dinitrophenol	8 ug/mL
							2,4-Dinitrotoluene	4 ug/mL
							2,6-Dinitrotoluene	4 ug/mL
							2-Chloronaphthalene	4 ug/mL
							2-Chlorophenol	4 ug/mL
							2-Methylnaphthalene	4 ug/mL
							2-Methylphenol	4 ug/mL
							2-Nitroaniline	4 ug/mL
							2-Nitrophenol	4 ug/mL
							3 & 4 Methylphenol	4 ug/mL
							3-Nitroaniline	4 ug/mL
							4,6-Dinitro-2-methylphenol	8 ug/mL
							4-Bromophenyl phenyl ether	4 ug/mL
							4-Chloro-3-methylphenol	4 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloroaniline	4 ug/mL
							4-Chlorophenyl phenyl ether	4 ug/mL
							4-Methylphenol	4 ug/mL
							4-Nitroaniline	4 ug/mL
							4-Nitrophenol	8 ug/mL
							Acenaphthene	4 ug/mL
							Acenaphthylene	4 ug/mL
							Acetophenone	4 ug/mL
							Aniline	4 ug/mL
							Anthracene	4 ug/mL
							Azobenzene	4 ug/mL
							Benzo[a]anthracene	4 ug/mL
							Benzo[a]pyrene	4 ug/mL
							Benzo[b]fluoranthene	4 ug/mL
							Benzo[g,h,i]perylene	4 ug/mL
							Benzo[k]fluoranthene	4 ug/mL
							Benzyl alcohol	4 ug/mL
							Bis(2-chloroethoxy)methane	4 ug/mL
							Bis(2-chloroethyl)ether	4 ug/mL
							Bis(2-ethylhexyl) phthalate	4 ug/mL
							Butyl benzyl phthalate	4 ug/mL
							Carbazole	4 ug/mL
							Chrysene	4 ug/mL
							Di-n-butyl phthalate	4 ug/mL
							Di-n-octyl phthalate	4 ug/mL
							Dibenz(a,h)anthracene	4 ug/mL
							Dibenzofuran	4 ug/mL
							Diethyl phthalate	4 ug/mL
							Dimethyl phthalate	4 ug/mL
							Fluoranthene	4 ug/mL
							Fluorene	4 ug/mL
							Hexachlorobenzene	4 ug/mL
							Hexachlorobutadiene	4 ug/mL
							Hexachlorocyclopentadiene	4 ug/mL
							Hexachloroethane	4 ug/mL
							Indeno[1,2,3-cd]pyrene	4 ug/mL
							Isophorone	4 ug/mL
							N-Nitrosodi-n-propylamine	4 ug/mL
							N-Nitrosodimethylamine	4 ug/mL
							Naphthalene	4 ug/mL
							Nitrobenzene	4 ug/mL
							Pentachlorophenol	8 ug/mL
							Phenanthrene	4 ug/mL
							Phenol	4 ug/mL
							Pyrene	4 ug/mL
							Pyridine	4 ug/mL
							3,3'-Dichlorobenzidine	4 ug/mL
							Atrazine	4 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzidine	4 ug/mL
							Caprolactam	4 ug/mL
							Benzoic acid	8 ug/mL
							Famphur	4 ug/mL
							Alachlor	4 ug/mL
							N-Nitrosodiphenylamine	4 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL

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SDG No.:

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

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SDG No.:

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

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

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SDG No.:

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

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA010_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	25 uL	2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
							1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10.1097 ug/mL
							1,3-Dichlorobenzene	10 ug/mL
							1,3-Dinitrobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Carbazole	10 ug/mL
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	10 ug/mL
							3,3'-Dichlorobenzidine	10 ug/mL
							Atrazine	10 ug/mL
							Benzidine	10 ug/mL
							Caprolactam	10 ug/mL
							Benzoic acid	20 ug/mL
							Famphur	10 ug/mL
							Alachlor	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA020_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	50 uL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL
							1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20.2195 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00007	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00009	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00010	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA050_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	125 uL	2,4,6-Tribromophenol (Surr)	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	50 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
							1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50.5487 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,3-Dinitrobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	50 ug/mL
							3,3'-Dichlorobenzidine	50 ug/mL
							Atrazine	50 ug/mL
							Benzidine	50 ug/mL
							Caprolactam	50 ug/mL
							Benzoic acid	100 ug/mL
							Famphur	50 ug/mL
							Alachlor	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA080_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,3-Dinitrobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							Famphur	80 ug/mL
							Alachlor	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568023_00003	04/30/15		Restek, Lot A094554		(Purchased Reagent)		Famphur	2000 ug/mL
..MS-568033_00001	10/31/14		Restek, Lot A094882		(Purchased Reagent)		Alachlor	4000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
.MS-IS_00005	04/04/14	04/04/13	Methylene Chloride, Lot 14960	375 mL	MS-567684_00001	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00002	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00003	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00004	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00005	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL
							Perylene-d12	400 ug/mL
							Phenanthrene-d10	400 ug/mL
					MS-567684_00006	5 mL	1,4-Dichlorobenzene-d4	400 ug/mL
							Acenaphthene-d10	400 ug/mL
							Chrysene-d12	400 ug/mL
							Naphthalene-d8	400 ug/mL

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA120_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	300 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
							1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	121.317 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,3-Dinitrobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	120 ug/mL
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	120 ug/mL
							3,3'-Dichlorobenzidine	120 ug/mL
							Atrazine	120 ug/mL
							Benzidine	120 ug/mL
							Caprolactam	120 ug/mL
							Benzoic acid	240 ug/mL
							Famphur	120 ug/mL
							Alachlor	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	160 ug/mL
							2,4,6-Trichlorophenol	160 ug/mL
							2,4-Dichlorophenol	160 ug/mL
							2,4-Dimethylphenol	160 ug/mL
							2,4-Dinitrophenol	320 ug/mL
							2,4-Dinitrotoluene	160 ug/mL
							2,6-Dinitrotoluene	160 ug/mL
							2-Chloronaphthalene	160 ug/mL
							2-Chlorophenol	160 ug/mL
							2-Methylnaphthalene	160 ug/mL
							2-Methylphenol	160 ug/mL
							2-Nitroaniline	160 ug/mL
							2-Nitrophenol	160 ug/mL
							3 & 4 Methylphenol	160 ug/mL
							3-Nitroaniline	160 ug/mL
							4,6-Dinitro-2-methylphenol	320 ug/mL
							4-Bromophenyl phenyl ether	160 ug/mL
							4-Chloro-3-methylphenol	160 ug/mL
							4-Chloroaniline	160 ug/mL
							4-Chlorophenyl phenyl ether	160 ug/mL
							4-Methylphenol	160 ug/mL
							4-Nitroaniline	160 ug/mL
							4-Nitrophenol	320 ug/mL
							Acenaphthene	160 ug/mL
							Acenaphthylene	160 ug/mL
							Acetophenone	160 ug/mL
							Aniline	160 ug/mL
							Anthracene	160 ug/mL
							Azobenzene	160 ug/mL
							Benzo[a]anthracene	160 ug/mL
							Benzo[a]pyrene	160 ug/mL
							Benzo[b]fluoranthene	160 ug/mL
							Benzo[g,h,i]perylene	160 ug/mL
							Benzo[k]fluoranthene	160 ug/mL
							Benzyl alcohol	160 ug/mL
							Bis(2-chloroethoxy)methane	160 ug/mL
							Bis(2-chloroethyl)ether	160 ug/mL
							Bis(2-ethylhexyl) phthalate	160 ug/mL
							Butyl benzyl phthalate	160 ug/mL
							Carbazole	160 ug/mL
							Chrysene	160 ug/mL
							Di-n-butyl phthalate	160 ug/mL
							Di-n-octyl phthalate	160 ug/mL
							Dibenz(a,h)anthracene	160 ug/mL
							Dibenzofuran	160 ug/mL
							Diethyl phthalate	160 ug/mL
							Dimethyl phthalate	160 ug/mL
							Fluoranthene	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	160 ug/mL
							Hexachlorobenzene	160 ug/mL
							Hexachlorobutadiene	160 ug/mL
							Hexachlorocyclopentadiene	160 ug/mL
							Hexachloroethane	160 ug/mL
							Indeno[1,2,3-cd]pyrene	160 ug/mL
							Isophorone	160 ug/mL
							N-Nitrosodi-n-propylamine	160 ug/mL
							N-Nitrosodimethylamine	160 ug/mL
							Naphthalene	160 ug/mL
							Nitrobenzene	160 ug/mL
							Pentachlorophenol	320 ug/mL
							Phenanthrene	160 ug/mL
							Phenol	160 ug/mL
							Pyrene	160 ug/mL
							Pyridine	160 ug/mL
							3,3'-Dichlorobenzidine	160 ug/mL
							Atrazine	160 ug/mL
							Benzidine	160 ug/mL
							Caprolactam	160 ug/mL
							Benzoic acid	320 ug/mL
							Famphur	160 ug/mL
							Alachlor	160 ug/mL
							N-Nitrosodiphenylamine	160 ug/mL
					MS-IS_00005	50 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLA200_00002	04/04/14	08/21/13	Methylene Chloride, Lot 32864	0.5 mL	MS-HSLA_STK_00002	500 uL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
							1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,3-Dinitrobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							1,4-Dioxane	200 ug/mL
							1-Methylnaphthalene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Methylphenol	200 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00011	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00012	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00013	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00014	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
..MS-567684_00015	02/28/18		Restek, Lot A093676		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
MS-HSLACCV080_00006	04/04/14	10/18/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLA_STK_00002	200 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
							1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80.878 ug/mL
							1,3-Dichlorobenzene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Anthracene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL
							Isophorone	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							3,3'-Dichlorobenzidine	80 ug/mL
							Atrazine	80 ug/mL
							Benzidine	80 ug/mL
							Caprolactam	80 ug/mL
							Benzoic acid	160 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
.MS-HSLA_STK_00002	05/21/14	05/21/13	Methylene Chloride, Lot 31650	10 mL	8270SurStkHL_00021	0.4 mL	2,4,6-Tribromophenol (Surr)	200 ug/mL
							2-Fluorobiphenyl	200 ug/mL
							2-Fluorophenol (Surr)	200 ug/mL
							Nitrobenzene-d5 (Surr)	200 ug/mL
							Phenol-d5 (Surr)	200 ug/mL
							Terphenyl-d14 (Surr)	200 ug/mL
					MS-567672_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	200 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyrene	200 ug/mL
					MS-567673_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
					MS-567674_00001	2 mL	Benzoic acid	400 ug/mL
					MS-568038_00002	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..8270SurStkHL_00021	05/21/14		Restek, Lot A093638		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
..MS-567672_00001	08/31/14		Restek, Lot A093709		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Anthracene	1000 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-567673_00001	08/31/14		Restek, Lot A093755		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
..MS-567674_00001	02/29/16		Restek, Lot A093441		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-568038_00002	04/30/16		Restek, Lot A094629		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
MS-HSLB1B3SSV_00001	04/04/14	09/03/13	Methylene Chloride, Lot 42358	0.5 mL	MS-HSLB1_STK_00002	250 uL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	101.097 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,2'-oxybis[1-chloropropane]	72 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Benzoic acid	200 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
.MS-HSLB1_STK_00002	08/31/14	09/03/13	Methylene Chloride, Lot 42358	10 mL	MS-567672SEC_00001	2 mL	1,1'-Biphenyl	200 ug/mL
							1,2,4,5-Tetrachlorobenzene	200 ug/mL
							1,2,4-Trichlorobenzene	200 ug/mL
							1,2-Dichlorobenzene	200 ug/mL
							1,2-Diphenylhydrazine	202.195 ug/mL
							1,3-Dichlorobenzene	200 ug/mL
							1,4-Dichlorobenzene	200 ug/mL
							2,2'-oxybis[1-chloropropane]	144 ug/mL
							2,3,4,6-Tetrachlorophenol	200 ug/mL
							2,4,5-Trichlorophenol	200 ug/mL
							2,4,6-Trichlorophenol	200 ug/mL
							2,4-Dichlorophenol	200 ug/mL
							2,4-Dimethylphenol	200 ug/mL
							2,4-Dinitrophenol	400 ug/mL
							2,4-Dinitrotoluene	200 ug/mL
							2,6-Dinitrotoluene	200 ug/mL
							2-Chloronaphthalene	200 ug/mL
							2-Chlorophenol	200 ug/mL
							2-Methylnaphthalene	200 ug/mL
							2-Methylphenol	200 ug/mL
							2-Nitroaniline	200 ug/mL
							2-Nitrophenol	200 ug/mL
							3 & 4 Methylphenol	200 ug/mL
							3-Nitroaniline	200 ug/mL
							4,6-Dinitro-2-methylphenol	400 ug/mL
							4-Bromophenyl phenyl ether	200 ug/mL
							4-Chloro-3-methylphenol	200 ug/mL
							4-Chloroaniline	200 ug/mL
							4-Chlorophenyl phenyl ether	200 ug/mL
							4-Nitroaniline	200 ug/mL
							4-Nitrophenol	400 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene	200 ug/mL
							Acenaphthylene	200 ug/mL
							Acetophenone	200 ug/mL
							Anthracene	200 ug/mL
							Benzo[a]anthracene	200 ug/mL
							Benzo[a]pyrene	200 ug/mL
							Benzo[b]fluoranthene	200 ug/mL
							Benzo[g,h,i]perylene	200 ug/mL
							Benzo[k]fluoranthene	200 ug/mL
							Benzyl alcohol	200 ug/mL
							Bis(2-chloroethoxy)methane	200 ug/mL
							Bis(2-chloroethyl)ether	200 ug/mL
							Bis(2-ethylhexyl) phthalate	200 ug/mL
							Butyl benzyl phthalate	200 ug/mL
							Carbazole	200 ug/mL
							Chrysene	200 ug/mL
							Di-n-butyl phthalate	200 ug/mL
							Di-n-octyl phthalate	200 ug/mL
							Dibenz(a,h)anthracene	200 ug/mL
							Dibenzofuran	200 ug/mL
							Diethyl phthalate	200 ug/mL
							Dimethyl phthalate	200 ug/mL
							Fluoranthene	200 ug/mL
							Fluorene	200 ug/mL
							Hexachlorobenzene	200 ug/mL
							Hexachlorobutadiene	200 ug/mL
							Hexachlorocyclopentadiene	200 ug/mL
							Hexachloroethane	200 ug/mL
							Indeno[1,2,3-cd]pyrene	200 ug/mL
							Isophorone	200 ug/mL
							N-Nitrosodi-n-propylamine	200 ug/mL
							N-Nitrosodimethylamine	200 ug/mL
							Naphthalene	200 ug/mL
							Nitrobenzene	200 ug/mL
							Pentachlorophenol	400 ug/mL
							Phenanthrene	200 ug/mL
							Phenol	200 ug/mL
							Pyrene	200 ug/mL
					MS-567674SEC_00001	2 mL	Benzoic acid	400 ug/mL
					MS-567676SEC_00001	1 mL	N-Nitrosodiphenylamine	200 ug/mL
..MS-567672SEC_00001	08/31/14		Restek, Lot A094002		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1010.97 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	720 ug/mL

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

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

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
..MS-567674SEC_00001	02/29/16		Restek, Lot A093654		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..MS-567676SEC_00001	02/28/15		Restek, Lot A093671		(Purchased Reagent)		N-Nitrosodiphenylamine	2000 ug/mL
MS-HSLB2SSV_00001	04/04/14	05/15/13	Methylene Chloride, Lot 31650	0.5 mL	MS-HSLB2_STK_00001	250 uL	3,3'-Dichlorobenzidine	100 ug/mL
							Atrazine	100 ug/mL
							Benzidine	100 ug/mL
							Caprolactam	100 ug/mL
.MS-HSLB2_STK_00001	04/29/14	04/29/13	Methylene Chloride, Lot 14960	10 mL	MS-567673SEC_00001	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Atrazine	200 ug/mL
							Benzidine	200 ug/mL
							Caprolactam	200 ug/mL
..MS-567673SEC_00001	08/31/14		Restek, Lot A093775		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Atrazine	2000 ug/mL
							Benzidine	2000 ug/mL
							Caprolactam	2000 ug/mL
MV-2 Cleve_00016	04/15/14	10/15/13	P&T Methanol, Lot 49909	25 mL	MV-861206_00021	500 uL	2-Chloroethyl vinyl ether	40 ug/mL
.MV-861206_00021	05/31/14		Supelco, Lot LB85080		(Purchased Reagent)		2-Chloroethyl vinyl ether	2000 ug/mL
MV-567649-D_00001	02/28/18		RESTEK, Lot A093504		(Purchased Reagent)		1,4-Dichlorobenzene-d4	250 ug/mL
							Chlorobenzene-d5	250 ug/mL
							Fluorobenzene	250 ug/mL
							TBA-d9 (IS)	5000 ug/mL
MV-ARCH SS A_00010	02/28/14	08/28/13	P&T Methanol, Lot 38701	100 mL	MV-567650_00012	10 mL	1,2-Dichloroethane-d4 (Surr)	250 ug/mL
							4-Bromofluorobenzene (Surr)	250 ug/mL
							Dibromofluoromethane (Surr)	250 ug/mL
							Toluene-d8 (Surr)	250 ug/mL
.MV-567650_00012	02/28/18		Restek, Lot A093505		(Purchased Reagent)		1,2-Dichloroethane-d4 (Surr)	2500 ug/mL
							4-Bromofluorobenzene (Surr)	2500 ug/mL
							Dibromofluoromethane (Surr)	2500 ug/mL
							Toluene-d8 (Surr)	2500 ug/mL
MV-Gas/Ket A_00013	01/31/14	10/19/13	P&T Methanol, Lot 49909	15 mL	MV-567642_00009	240 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetone	160 ug/mL
					MV-567645_00005	300 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Dichlorofluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
					MV-567648_00016	1200 uL	Cyclohexanone	1600 ug/mL
.MV-567642_00009	12/31/15		RESTEK, Lot A092220		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645_00005	02/28/15		RESTEK, Lot A093341		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Dichlorofluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
.MV-567648_00016	02/29/16		RESTEK, Lot A093361		(Purchased Reagent)		Cyclohexanone	20000 ug/mL
MV-Gas/Ket B_00007	03/23/14	09/23/13	P&T Methanol, Lot 38707	10 mL	MV-567642.sec_00011	160 uL	2-Butanone (MEK)	160 ug/mL
							2-Hexanone	160 ug/mL
							4-Methyl-2-pentanone (MIBK)	160 ug/mL
							Acetone	160 ug/mL
					MV-567645.sec_00014	200 uL	Bromomethane	40 ug/mL
							Chloroethane	40 ug/mL
							Chloromethane	40 ug/mL
							Dichlorodifluoromethane	40 ug/mL
							Trichlorofluoromethane	40 ug/mL
							Vinyl chloride	40 ug/mL
.MV-567642.sec_00011	02/28/16		RESTEK, Lot A093472		(Purchased Reagent)		2-Butanone (MEK)	10000 ug/mL
							2-Hexanone	10000 ug/mL
							4-Methyl-2-pentanone (MIBK)	10000 ug/mL
							Acetone	10000 ug/mL
.MV-567645.sec_00014	02/28/15		RESTEK, Lot A093618		(Purchased Reagent)		Bromomethane	2000 ug/mL
							Chloroethane	2000 ug/mL
							Chloromethane	2000 ug/mL
							Dichlorodifluoromethane	2000 ug/mL
							Trichlorofluoromethane	2000 ug/mL
							Vinyl chloride	2000 ug/mL
MV-Main A_00007	11/30/13	08/15/13	P&T Methanol, Lot 38701	10 mL	MV-567641_00008	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							2-Methyl-2-propanol	400 ug/mL
							3-Chloro-1-propene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Acrylonitrile	400 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethyl ether	40 ug/mL
							Ethyl methacrylate	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Hexane	40 ug/mL
							Iodomethane	40 ug/mL
							Isobutyl alcohol	1000 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Tetrahydrofuran	80 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							trans-1,4-Dichloro-2-butene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-567646.sec_00005	200 uL	Vinyl acetate	80 ug/mL
					MV-568034_00003	400 uL	1-Chlorohexane	40 ug/mL
							2-Pentanone	160 ug/mL
							sec-Butyl Alcohol	1200 ug/mL
.MV-567641_00008	12/31/15		RESTEK, Lot A092262		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							2-Methyl-2-propanol	20000 ug/mL
							3-Chloro-1-propene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Isopropyltoluene	2000 ug/mL
							Acrylonitrile	20000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL
							Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethyl ether	2000 ug/mL
							Ethyl methacrylate	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Hexane	2000 ug/mL
							Iodomethane	2000 ug/mL
							Isobutyl alcohol	50000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Tetrahydrofuran	4000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							trans-1,4-Dichloro-2-butene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-567646.sec_00005	11/30/13		RESTEK, Lot A096669		(Purchased Reagent)		Vinyl acetate	4000 ug/mL
.MV-568034_00003	05/14/14		RESTEK, Lot A094874		(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
							2-Pentanone	4000 ug/mL
							sec-Butyl Alcohol	30000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
MV-Main B_00002	12/31/13	09/03/13	P&T Methanol, Lot 38701	10 mL	MV-567641.sec_00006	200 uL	1,1,1,2-Tetrachloroethane	40 ug/mL
							1,1,1-Trichloroethane	40 ug/mL
							1,1,2,2-Tetrachloroethane	40 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	40 ug/mL
							1,1,2-Trichloroethane	40 ug/mL
							1,1-Dichloroethane	40 ug/mL
							1,1-Dichloroethene	40 ug/mL
							1,1-Dichloropropene	40 ug/mL
							1,2,3-Trichlorobenzene	40 ug/mL
							1,2,3-Trichloropropane	40 ug/mL
							1,2,4-Trichlorobenzene	40 ug/mL
							1,2,4-Trimethylbenzene	40 ug/mL
							1,2-Dibromo-3-Chloropropane	40 ug/mL
							1,2-Dichlorobenzene	40 ug/mL
							1,2-Dichloroethane	40 ug/mL
							1,2-Dichloropropane	40 ug/mL
							1,3,5-Trimethylbenzene	40 ug/mL
							1,3-Dichlorobenzene	40 ug/mL
							1,3-Dichloropropane	40 ug/mL
							1,4-Dichlorobenzene	40 ug/mL
							1,4-Dioxane	800 ug/mL
							2,2-Dichloropropane	40 ug/mL
							2-Chlorotoluene	40 ug/mL
							4-Chlorotoluene	40 ug/mL
							4-Isopropyltoluene	40 ug/mL
							Benzene	40 ug/mL
							Bromobenzene	40 ug/mL
							Bromoform	40 ug/mL
							Carbon disulfide	40 ug/mL
							Carbon tetrachloride	40 ug/mL
							Chlorobenzene	40 ug/mL
							Chlorobromomethane	40 ug/mL
							Chlorodibromomethane	40 ug/mL
							Chloroform	40 ug/mL
							cis-1,2-Dichloroethene	40 ug/mL
							cis-1,3-Dichloropropene	40 ug/mL
							Cyclohexane	40 ug/mL
							Dibromomethane	40 ug/mL
							Dichlorobromomethane	40 ug/mL
							Ethylbenzene	40 ug/mL
							Ethylene Dibromide	40 ug/mL
							Hexachlorobutadiene	40 ug/mL
							Isopropylbenzene	40 ug/mL
							m-Xylene & p-Xylene	40 ug/mL
							Methyl acetate	200 ug/mL
							Methyl tert-butyl ether	40 ug/mL
							Methylcyclohexane	40 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Methylene Chloride	40 ug/mL
							n-Butylbenzene	40 ug/mL
							N-Propylbenzene	40 ug/mL
							Naphthalene	40 ug/mL
							o-Xylene	40 ug/mL
							sec-Butylbenzene	40 ug/mL
							Styrene	40 ug/mL
							tert-Butylbenzene	40 ug/mL
							Tetrachloroethene	40 ug/mL
							Toluene	40 ug/mL
							trans-1,2-Dichloroethene	40 ug/mL
							trans-1,3-Dichloropropene	40 ug/mL
							Trichloroethene	40 ug/mL
					MV-568034.sec_00006	400 uL	1-Chlorohexane	40 ug/mL
.MV-567641.sec_00006	02/29/16		RESTEK, Lot A093733		(Purchased Reagent)		1,1,1,2-Tetrachloroethane	2000 ug/mL
							1,1,1-Trichloroethane	2000 ug/mL
							1,1,2,2-Tetrachloroethane	2000 ug/mL
							1,1,2-Trichloro-1,2,2-trifluoroethane	2000 ug/mL
							1,1,2-Trichloroethane	2000 ug/mL
							1,1-Dichloroethane	2000 ug/mL
							1,1-Dichloroethene	2000 ug/mL
							1,1-Dichloropropene	2000 ug/mL
							1,2,3-Trichlorobenzene	2000 ug/mL
							1,2,3-Trichloropropane	2000 ug/mL
							1,2,4-Trichlorobenzene	2000 ug/mL
							1,2,4-Trimethylbenzene	2000 ug/mL
							1,2-Dibromo-3-Chloropropane	2000 ug/mL
							1,2-Dichlorobenzene	2000 ug/mL
							1,2-Dichloroethane	2000 ug/mL
							1,2-Dichloropropane	2000 ug/mL
							1,3,5-Trimethylbenzene	2000 ug/mL
							1,3-Dichlorobenzene	2000 ug/mL
							1,3-Dichloropropane	2000 ug/mL
							1,4-Dichlorobenzene	2000 ug/mL
							1,4-Dioxane	40000 ug/mL
							2,2-Dichloropropane	2000 ug/mL
							2-Chlorotoluene	2000 ug/mL
							4-Chlorotoluene	2000 ug/mL
							4-Isopropyltoluene	2000 ug/mL
							Benzene	2000 ug/mL
							Bromobenzene	2000 ug/mL
							Bromoform	2000 ug/mL
							Carbon disulfide	2000 ug/mL
							Carbon tetrachloride	2000 ug/mL
							Chlorobenzene	2000 ug/mL
							Chlorobromomethane	2000 ug/mL
							Chlorodibromomethane	2000 ug/mL

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SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added	Chloroform	2000 ug/mL
							cis-1,2-Dichloroethene	2000 ug/mL
							cis-1,3-Dichloropropene	2000 ug/mL
							Cyclohexane	2000 ug/mL
							Dibromomethane	2000 ug/mL
							Dichlorobromomethane	2000 ug/mL
							Ethylbenzene	2000 ug/mL
							Ethylene Dibromide	2000 ug/mL
							Hexachlorobutadiene	2000 ug/mL
							Isopropylbenzene	2000 ug/mL
							m-Xylene & p-Xylene	2000 ug/mL
							Methyl acetate	10000 ug/mL
							Methyl tert-butyl ether	2000 ug/mL
							Methylcyclohexane	2000 ug/mL
							Methylene Chloride	2000 ug/mL
							n-Butylbenzene	2000 ug/mL
							N-Propylbenzene	2000 ug/mL
							Naphthalene	2000 ug/mL
							o-Xylene	2000 ug/mL
							sec-Butylbenzene	2000 ug/mL
							Styrene	2000 ug/mL
							tert-Butylbenzene	2000 ug/mL
							Tetrachloroethene	2000 ug/mL
							Toluene	2000 ug/mL
							trans-1,2-Dichloroethene	2000 ug/mL
							trans-1,3-Dichloropropene	2000 ug/mL
							Trichloroethene	2000 ug/mL
.MV-568034.sec_00006	10/31/14		RESTEK, Lot A094981.sec		(Purchased Reagent)		1-Chlorohexane	1000 ug/mL
MV-Supp A_00004	11/15/13	05/15/13	P&T Methanol, Lot dh755	10 mL	MV-567647_00003	200 uL	2-Chloro-1,3-butadiene	40 ug/mL
							2-Nitropropane	80 ug/mL
							Acetonitrile	400 ug/mL
							Ethanol	2000 ug/mL
							Ethyl acetate	80 ug/mL
							Isopropyl alcohol	400 ug/mL
							Isopropyl ether	40 ug/mL
							Methacrylonitrile	400 ug/mL
							Methyl methacrylate	80 ug/mL
							Propionitrile	400 ug/mL
							Tert-amyl methyl ether	40 ug/mL
							Tert-butyl ethyl ether	40 ug/mL
					MV-568035_00001	400 uL	Propene oxide	2000 ug/mL
					MV-568035_00002	400 uL	Propene oxide	2000 ug/mL
					MV-568036_00001	400 uL	cis-1,4-Dichloro-2-butene	40 ug/mL
.MV-567647_00003	08/30/14		RESTEK, Lot A093634		(Purchased Reagent)		2-Chloro-1,3-butadiene	2000 ug/mL
							2-Nitropropane	4000 ug/mL
							Acetonitrile	20000 ug/mL
							Ethanol	100000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Ethyl acetate	4000 ug/mL
							Isopropyl alcohol	20000 ug/mL
							Isopropyl ether	2000 ug/mL
							Methacrylonitrile	20000 ug/mL
							Methyl methacrylate	4000 ug/mL
							Propionitrile	20000 ug/mL
							Tert-amyl methyl ether	2000 ug/mL
							Tert-butyl ethyl ether	2000 ug/mL
.MV-568035_00001	04/30/14		RESTEK, Lot A094880		(Purchased Reagent)		Propene oxide	25000 ug/mL
.MV-568035_00002	04/30/14		RESTEK, Lot A094880		(Purchased Reagent)		Propene oxide	25000 ug/mL
.MV-568036_00001	10/31/14		RESTEk, Lot A094886		(Purchased Reagent)		cis-1,4-Dichloro-2-butene	1000 ug/mL

Certification Summary

Client: FPM Remediations Inc
Project/Site: Griffiss AFB Building 3

TestAmerica Job ID: 280-48486-1

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

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

Method 8260B DOD

Volatile Organic Compounds (GC/MS) by Method 8260B/DOD

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): DB-624 (75.5 ID: 0.53 (mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
AOI474BF	280-48486-1	96	93	100	103
	MB 280-198393/1-A	91	87	93	93
	LCS 280-198393/2-A	91	86	90	89
AOI474BF MS	280-48486-1 MS	91	85	94	90
AOI474BF MSD	280-48486-1 MSD	91	88	92	96

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	71-126
DCA = 1,2-Dichloroethane-d4 (Surr)	61-129
TOL = Toluene-d8 (Surr)	85-115
BFB = 4-Bromofluorobenzene (Surr)	85-120

Column to be used to flag recovery values

FORM II 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9002.D

Lab ID: LCS 280-198393/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	50.0	47.1	94	75-125	
1,1,1-Trichloroethane	50.0	47.5	95	70-135	
1,1,2,2-Tetrachloroethane	50.0	45.9	92	55-130	
1,1,2-Trichloroethane	50.0	46.7	93	60-125	
1,1-Dichloroethane	50.0	46.5	93	75-125	
1,1-Dichloroethene	50.0	43.2	86	65-135	
1,1-Dichloropropene	50.0	51.0	102	70-135	
1,2,3-Trichlorobenzene	50.0	49.8	100	60-135	
1,2,3-Trichloropropane	50.0	45.6	91	65-130	
1,2,4-Trichlorobenzene	50.0	51.6	103	65-130	
1,2,4-Trimethylbenzene	50.0	50.5	101	65-135	
1,2-Dibromo-3-Chloropropane	50.0	43.8	88	40-135	
1,2-Dichlorobenzene	50.0	47.7	95	75-120	
1,2-Dichloroethane	50.0	43.6	87	70-135	
1,2-Dichloropropane	50.0	47.2	94	70-120	
1,3,5-Trimethylbenzene	50.0	51.7	103	65-135	
1,3-Dichlorobenzene	50.0	48.1	96	70-125	
1,3-Dichloropropane	50.0	42.2	84	75-125	
1,4-Dichlorobenzene	50.0	48.7	97	70-125	
2,2-Dichloropropane	50.0	47.5	95	65-135	
2-Butanone (MEK)	200	156	78	30-160	
2-Chlorotoluene	50.0	47.8	96	70-130	
2-Hexanone	200	147	74	45-145	
4-Chlorotoluene	50.0	48.7	97	75-125	
4-Isopropyltoluene	50.0	51.5	103	75-135	
4-Methyl-2-pentanone (MIBK)	200	145	73	45-145	
Acetone	200	149	75	20-160	
Benzene	50.0	47.9	96	75-125	
Bromobenzene	50.0	48.2	96	65-120	
Bromoform	50.0	45.5	91	55-135	
Bromomethane	50.0	33.5	67	30-160	
Carbon disulfide	50.0	48.9	98	45-160	
Carbon tetrachloride	50.0	47.0	94	65-135	
Chlorobenzene	50.0	46.3	93	75-125	
Chlorobromomethane	50.0	47.1	94	70-125	
Chlorodibromomethane	50.0	46.7	93	65-130	
Chloroethane	50.0	33.7	67	40-155	
Chloroform	50.0	45.6	91	70-125	
Chloromethane	50.0	34.7	69	50-130	
cis-1,2-Dichloroethene	50.0	48.2	96	65-125	
cis-1,3-Dichloropropene	50.0	45.8	92	70-125	
Dibromomethane	50.0	46.3	93	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9002.D

Lab ID: LCS 280-198393/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Dichlorobromomethane	50.0	45.6	91	70-130	
Dichlorodifluoromethane	50.0	36.6	73	35-135	
Ethylbenzene	50.0	48.0	96	75-125	
Ethylene Dibromide	50.0	41.8	84	70-125	
Hexachlorobutadiene	50.0	53.7	107	55-140	
Isopropylbenzene	50.0	49.1	98	75-130	
Methyl tert-butyl ether	50.0	46.1	92	67-119	
Methylene Chloride	50.0	47.2	94	55-140	
m-Xylene & p-Xylene	50.0	49.4	99	80-125	
Naphthalene	50.0	43.0	86	40-125	
n-Butylbenzene	50.0	52.4	105	65-140	
N-Propylbenzene	50.0	49.6	99	65-135	
o-Xylene	50.0	49.4	99	75-125	
sec-Butylbenzene	50.0	50.8	102	65-130	
Styrene	50.0	53.6	107	75-125	
tert-Butylbenzene	50.0	49.9	100	65-130	
Tetrachloroethene	50.0	46.7	93	65-140	
Toluene	50.0	51.0	102	70-125	
trans-1,2-Dichloroethene	50.0	48.5	97	65-135	
trans-1,3-Dichloropropene	50.0	47.4	95	65-125	
Trichloroethene	50.0	46.9	94	75-125	
Trichlorofluoromethane	50.0	38.2	76	25-185	
Vinyl chloride	50.0	34.2	68	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9018.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	60.6	1.1 U	57.3	94	75-125	
1,1,1-Trichloroethane	60.6	1.1 U	57.9	96	70-135	
1,1,2,2-Tetrachloroethane	60.6	1.1 U	51.9	86	55-130	
1,1,2-Trichloroethane	60.6	1.1 U	53.9	89	60-125	
1,1-Dichloroethane	60.6	0.88 U	57.5	95	75-125	
1,1-Dichloroethene	60.6	1.1 U	54.4	90	65-135	
1,1-Dichloropropene	60.6	1.1 U	60.8	100	70-135	
1,2,3-Trichlorobenzene	60.6	1.1 U	35.9	59	60-135	J
1,2,3-Trichloropropane	60.6	1.1 U	52.9	87	65-130	
1,2,4-Trichlorobenzene	60.6	1.1 U	37.1	61	65-130	J
1,2,4-Trimethylbenzene	60.6	1.1 U	55.9	92	65-135	
1,2-Dibromo-3-Chloropropane	60.6	1.1 U	46.2	76	40-135	
1,2-Dichlorobenzene	60.6	1.1 U	47.8	79	75-120	
1,2-Dichloroethane	60.6	1.1 U	52.0	86	70-135	
1,2-Dichloropropane	60.6	1.1 U	56.8	94	70-120	
1,3,5-Trimethylbenzene	60.6	1.1 U	57.4	95	65-135	
1,3-Dichlorobenzene	60.6	1.1 U	50.1	83	70-125	
1,3-Dichloropropane	60.6	1.1 U	50.3	83	75-125	
1,4-Dichlorobenzene	60.6	1.1 U	49.2	81	70-125	
2,2-Dichloropropane	60.6	1.1 U	56.9	94	65-135	
2-Butanone (MEK)	242	7.1 U	368	152	30-160	
2-Chlorotoluene	60.6	1.1 U	54.5	90	70-130	
2-Hexanone	242	11 U	161	66	45-145	
4-Chlorotoluene	60.6	1.1 U	52.7	87	75-125	
4-Isopropyltoluene	60.6	1.1 U	52.8	87	75-135	
4-Methyl-2-pentanone (MIBK)	242	11 U	154	64	45-145	
Acetone	242	11 U	160	66	20-160	
Benzene	60.6	1.1 U	57.2	94	75-125	
Bromobenzene	60.6	1.1 U	52.9	87	65-120	
Bromoform	60.6	0.88 U	52.1	86	55-135	
Bromomethane	60.6	1.1 U	37.9	62	30-160	
Carbon disulfide	60.6	1.1 U	57.8	95	45-160	
Carbon tetrachloride	60.6	1.1 U	58.1	96	65-135	
Chlorobenzene	60.6	1.1 U	53.7	89	75-125	
Chlorobromomethane	60.6	1.1 U	54.1	89	70-125	
Chlorodibromomethane	60.6	1.1 U	55.1	91	65-130	
Chloroethane	60.6	1.1 U	38.5	64	40-155	
Chloroform	60.6	1.1 U	55.0	91	70-125	
Chloromethane	60.6	1.1 U	39.9	66	50-130	
cis-1,2-Dichloroethene	60.6	1.1 U	57.7	95	65-125	
cis-1,3-Dichloropropene	60.6	2.2 U	53.7	89	70-125	
Dibromomethane	60.6	1.1 U	52.4	86	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9018.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Dichlorobromomethane	60.6	0.88 U	52.9	87	70-130	
Dichlorodifluoromethane	60.6	1.1 U	43.1	71	35-135	
Ethylbenzene	60.6	1.1 U	57.7	95	75-125	
Ethylene Dibromide	60.6	1.1 U	48.9	81	70-125	
Hexachlorobutadiene	60.6	1.1 U	35.6	59	55-140	
Isopropylbenzene	60.6	1.1 U	56.3	93	75-130	
Methyl tert-butyl ether	60.6	1.1 U	52.4	87	67-119	
Methylene Chloride	60.6	4.7 J	56.5	85	55-140	
m-Xylene & p-Xylene	60.6	2.2 U	58.4	96	80-125	
Naphthalene	60.6	1.1 U	33.7	56	40-125	
n-Butylbenzene	60.6	1.1 U	49.7	82	65-140	
N-Propylbenzene	60.6	1.1 U	55.4	91	65-135	
o-Xylene	60.6	1.1 U	57.5	95	75-125	
sec-Butylbenzene	60.6	1.1 U	53.0	88	65-130	
Styrene	60.6	1.1 U	60.5	100	75-125	
tert-Butylbenzene	60.6	1.1 U	55.3	91	65-130	
Tetrachloroethene	60.6	1.1 U	56.2	93	65-140	
Toluene	60.6	1.1 U	59.2	98	70-125	
trans-1,2-Dichloroethene	60.6	1.1 U	57.6	95	65-135	
trans-1,3-Dichloropropene	60.6	1.1 U	51.4	85	65-125	
Trichloroethene	60.6	0.88 U	55.1	91	75-125	
Trichlorofluoromethane	60.6	2.2 U	45.5	75	25-185	
Vinyl chloride	60.6	2.2 U	39.2	65	60-125	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9019.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1,2-Tetrachloroethane	63.8	63.1	99	10	30	75-125	
1,1,1-Trichloroethane	63.8	66.5	104	14	30	70-135	
1,1,2,2-Tetrachloroethane	63.8	65.1	102	23	30	55-130	
1,1,2-Trichloroethane	63.8	60.9	95	12	30	60-125	
1,1-Dichloroethane	63.8	64.8	102	12	30	75-125	
1,1-Dichloroethene	63.8	62.6	98	14	30	65-135	
1,1-Dichloropropene	63.8	69.2	108	13	30	70-135	
1,2,3-Trichlorobenzene	63.8	38.6	60	7	30	60-135	
1,2,3-Trichloropropane	63.8	66.4	104	23	30	65-130	
1,2,4-Trichlorobenzene	63.8	41.3	65	11	30	65-130	
1,2,4-Trimethylbenzene	63.8	70.6	111	23	30	65-135	
1,2-Dibromo-3-Chloropropane	63.8	57.5	90	22	30	40-135	
1,2-Dichlorobenzene	63.8	58.5	92	20	30	75-120	
1,2-Dichloroethane	63.8	58.6	92	12	30	70-135	
1,2-Dichloropropane	63.8	64.0	100	12	30	70-120	
1,3,5-Trimethylbenzene	63.8	71.4	112	22	30	65-135	
1,3-Dichlorobenzene	63.8	60.7	95	19	30	70-125	
1,3-Dichloropropane	63.8	57.6	90	14	30	75-125	
1,4-Dichlorobenzene	63.8	60.3	94	20	30	70-125	
2,2-Dichloropropane	63.8	63.8	100	12	30	65-135	
2-Butanone (MEK)	255	623	244	51	30	30-160	J
2-Chlorotoluene	63.8	68.8	108	23	30	70-130	
2-Hexanone	255	223	87	33	30	45-145	J
4-Chlorotoluene	63.8	66.5	104	23	30	75-125	
4-Isopropyltoluene	63.8	67.4	106	24	30	75-135	
4-Methyl-2-pentanone (MIBK)	255	212	83	31	30	45-145	J
Acetone	255	231	91	37	30	20-160	J
Benzene	63.8	64.8	101	13	30	75-125	
Bromobenzene	63.8	67.2	105	24	30	65-120	
Bromoform	63.8	58.1	91	11	30	55-135	
Bromomethane	63.8	51.5	81	31	30	30-160	J
Carbon disulfide	63.8	65.3	102	12	30	45-160	
Carbon tetrachloride	63.8	65.1	102	11	30	65-135	
Chlorobenzene	63.8	61.0	95	13	30	75-125	
Chlorobromomethane	63.8	62.1	97	14	30	70-125	
Chlorodibromomethane	63.8	62.1	97	12	30	65-130	
Chloroethane	63.8	53.3	83	32	30	40-155	J
Chloroform	63.8	62.6	98	13	30	70-125	
Chloromethane	63.8	53.7	84	29	30	50-130	
cis-1,2-Dichloroethene	63.8	65.5	103	13	30	65-125	
cis-1,3-Dichloropropene	63.8	60.8	95	12	30	70-125	
Dibromomethane	63.8	60.6	95	15	30	75-130	

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM III
GC/MS VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: J9019.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Dichlorobromomethane	63.8	59.9	94	12	30	70-130	
Dichlorodifluoromethane	63.8	56.9	89	28	30	35-135	
Ethylbenzene	63.8	65.4	102	12	30	75-125	
Ethylene Dibromide	63.8	56.4	88	14	30	70-125	
Hexachlorobutadiene	63.8	43.0	67	19	30	55-140	
Isopropylbenzene	63.8	71.2	112	23	30	75-130	
Methyl tert-butyl ether	63.8	62.2	97	17	30	67-119	
Methylene Chloride	63.8	65.2	95	14	30	55-140	
m-Xylene & p-Xylene	63.8	65.4	102	11	30	80-125	
Naphthalene	63.8	39.4	62	16	30	40-125	
n-Butylbenzene	63.8	60.7	95	20	30	65-140	
N-Propylbenzene	63.8	70.2	110	24	30	65-135	
o-Xylene	63.8	66.0	103	14	30	75-125	
sec-Butylbenzene	63.8	67.7	106	24	30	65-130	
Styrene	63.8	68.0	106	12	30	75-125	
tert-Butylbenzene	63.8	69.9	109	23	30	65-130	
Tetrachloroethene	63.8	62.5	98	11	30	65-140	
Toluene	63.8	67.0	105	12	30	70-125	
trans-1,2-Dichloroethene	63.8	66.1	104	14	30	65-135	
trans-1,3-Dichloropropene	63.8	57.4	90	11	30	65-125	
Trichloroethene	63.8	62.2	97	12	30	75-125	
Trichlorofluoromethane	63.8	60.4	95	28	30	25-185	
Vinyl chloride	63.8	54.6	86	33	30	60-125	J

Column to be used to flag recovery and RPD values

FORM III 8260B/DoD

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: J9003.D Lab Sample ID: MB 280-198393/1-A

Matrix: Solid Heated Purge:(Y/N) Y

Instrument ID: VMS_J Date Analyzed: 10/29/2013 18:12

GC Column: DB-624 (75.53) ID: 0.53(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-198393/2-A	J9002.D	10/29/2013 17:51
AOI474BF	280-48486-1	J9017.D	10/29/2013 23:17
AOI474BF MS	280-48486-1 MS	J9018.D	10/29/2013 23:39
AOI474BF MSD	280-48486-1 MSD	J9019.D	10/30/2013 00:00

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: J8866.D BFB Injection Date: 10/21/2013

Instrument ID: VMS_J BFB Injection Time: 13:25

Analysis Batch No.: 196983

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.9	
75	30.0 - 60.0 % of mass 95	52.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0)1
174	50.0 - 120.00 % of mass 95	90.6	
175	5.0 - 9.0 % of mass 174	5.6	(6.1)1
176	95.0 - 101.0 % of mass 174	89.7	(99.0)1
177	5.0 - 9.0 % of mass 176	6.8	(7.5)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD1 280-196983/2	J8867.D	10/21/2013	14:09
	STD2 280-196983/3	J8868.D	10/21/2013	14:30
	STD5 280-196983/4	J8869.D	10/21/2013	14:52
	STD10 280-196983/5	J8870.D	10/21/2013	15:24
	STD20 280-196983/6	J8871.D	10/21/2013	15:45
	ICIS 280-196983/7	J8872.D	10/21/2013	16:06
	STD100 280-196983/8	J8873.D	10/21/2013	16:28
	STD200 280-196983/9	J8874.D	10/21/2013	16:49
	ICV 280-196983/10	J8875.D	10/21/2013	17:11
	STD1 280-196983/11	J8876.D	10/21/2013	17:32
	STD2 280-196983/12	J8877.D	10/21/2013	17:54
	STD5 280-196983/13	J8878.D	10/21/2013	18:15
	STD10 280-196983/14	J8879.D	10/21/2013	18:37
	STD20 280-196983/15	J8880.D	10/21/2013	18:59
	STD50 280-196983/16	J8881.D	10/21/2013	19:20
	STD100 280-196983/17	J8882.D	10/21/2013	19:42
	STD200 280-196983/18	J8883.D	10/21/2013	20:03
	ICV 280-196983/19	J8884.D	10/21/2013	20:24
	ICV 280-196983/35	J8892.D	10/21/2013	23:57

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: J8999.D BFB Injection Date: 10/29/2013

Instrument ID: VMS_J BFB Injection Time: 16:44

Analysis Batch No.: 198398

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	26.7	
75	30.0 - 60.0 % of mass 95	53.9	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.6	
173	Less than 2.0 % of mass 174	0.1	(0.1)1
174	50.0 - 120.00 % of mass 95	90.2	
175	5.0 - 9.0 % of mass 174	6.5	(7.2)1
176	95.0 - 101.0 % of mass 174	86.3	(95.7)1
177	5.0 - 9.0 % of mass 176	5.8	(6.7)2

1-Value is % mass 174 2-Value is % mass 176

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-198398/2	J9000.D	10/29/2013	17:07
	CCV 280-198398/3	J9001.D	10/29/2013	17:29
	LCS 280-198393/2-A	J9002.D	10/29/2013	17:51
	MB 280-198393/1-A	J9003.D	10/29/2013	18:12
AOI474BF	280-48486-1	J9017.D	10/29/2013	23:17
AOI474BF MS	280-48486-1 MS	J9018.D	10/29/2013	23:39
AOI474BF MSD	280-48486-1 MSD	J9019.D	10/30/2013	00:00

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-196983/7 Date Analyzed: 10/21/2013 16:06

Instrument ID: VMS_J GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): J8872.D Heated Purge: (Y/N) Y

Calibration ID: 15999

		TBA		FB		CBZ	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		400957	5.96	1424064	8.07	306690	10.78
UPPER LIMIT		801914	6.46	2848128	8.57	613380	11.28
LOWER LIMIT		200479	5.46	712032	7.57	153345	10.28
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-196983/10		340158	5.95	819414	8.07	180436	10.77
ICV 280-196983/19		418640	5.96	1584761	8.07	349091	10.78
ICV 280-196983/35		406976	5.95	1413106	8.07	302702	10.79
CCV 280-198398/2		430648	5.94	1341697	8.07	320466	10.78
CCV 280-198398/3		396181	5.96	1372753	8.07	300127	10.78
LCS 280-198393/2-A		402358	5.96	1691441	8.07	386909	10.78
MB 280-198393/1-A		383050	5.96	1571773	8.07	342689	10.78
280-48486-1	AOI474BF	302548	5.96	1347018	8.07	275523	10.78
280-48486-1 MS	AOI474BF MS	349196	5.96	1522103	8.07	328125	10.78
280-48486-1 MSD	AOI474BF MSD	347791	5.96	1469602	8.07	316984	10.78

TBA = TBA-d9 (IS)
FB = Fluorobenzene
CBZ = Chlorobenzene-d5

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

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-196983/7 Date Analyzed: 10/21/2013 16:06

Instrument ID: VMS_J GC Column: DB-624 (75.53) ID: 0.53(mm)

Lab File ID (Standard): J8872.D Heated Purge: (Y/N) Y

Calibration ID: 15999

		DCB					
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		396387	12.92				
UPPER LIMIT		792774	13.42				
LOWER LIMIT		198194	12.42				
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-196983/10		245357	12.91				
ICV 280-196983/19		494732	12.92				
ICV 280-196983/35		385108	12.91				
CCV 280-198398/2		473614	12.92				
CCV 280-198398/3		392400	12.92				
LCS 280-198393/2-A		554788	12.92				
MB 280-198393/1-A		415112	12.92				
280-48486-1	AOI474BF	296971	12.92				
280-48486-1 MS	AOI474BF MS	470033	12.92				
280-48486-1 MSD	AOI474BF MSD	400898	12.92				

DCB = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits

FORM VIII 8260B/DOD

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: J9017.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 5.033(g) | Date Analyzed: 10/29/2013 23:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.1	U	5.5	1.1	0.62
71-55-6	1,1,1-Trichloroethane	1.1	U	5.5	1.1	0.57
79-34-5	1,1,2,2-Tetrachloroethane	1.1	U	5.5	1.1	0.67
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	22	U	22	22	0.50
79-00-5	1,1,2-Trichloroethane	1.1	U	5.5	1.1	0.97
75-34-3	1,1-Dichloroethane	0.88	U	5.5	0.88	0.23
75-35-4	1,1-Dichloroethene	1.1	U	5.5	1.1	0.65
563-58-6	1,1-Dichloropropene	1.1	U	5.5	1.1	0.60
87-61-6	1,2,3-Trichlorobenzene	1.1	U J	5.5	1.1	0.83
96-18-4	1,2,3-Trichloropropane	1.1	U	5.5	1.1	0.90
120-82-1	1,2,4-Trichlorobenzene	1.1	U J	5.5	1.1	0.81
95-63-6	1,2,4-Trimethylbenzene	1.1	U	5.5	1.1	0.64
96-12-8	1,2-Dibromo-3-Chloropropane	1.1	U	11	1.1	0.66
95-50-1	1,2-Dichlorobenzene	1.1	U	5.5	1.1	0.50
107-06-2	1,2-Dichloroethane	1.1	U	5.5	1.1	0.77
78-87-5	1,2-Dichloropropane	1.1	U	5.5	1.1	0.61
108-67-8	1,3,5-Trimethylbenzene	1.1	U	5.5	1.1	0.63
541-73-1	1,3-Dichlorobenzene	1.1	U	5.5	1.1	0.53
142-28-9	1,3-Dichloropropane	1.1	U	5.5	1.1	0.56
106-46-7	1,4-Dichlorobenzene	1.1	U	5.5	1.1	0.86
123-91-1	1,4-Dioxane	88	U	550	88	62
544-10-5	1-Chlorohexane	0.88	U	5.5	0.88	0.70
594-20-7	2,2-Dichloropropane	1.1	U	5.5	1.1	0.49
78-93-3	2-Butanone (MEK)	7.1	U J	22	7.1	2.0
95-49-8	2-Chlorotoluene	1.1	U	5.5	1.1	0.56
591-78-6	2-Hexanone	11	U J	22	11	5.4
106-43-4	4-Chlorotoluene	1.1	U	5.5	1.1	0.86
99-87-6	4-Isopropyltoluene	1.1	U	5.5	1.1	0.54
108-10-1	4-Methyl-2-pentanone (MIBK)	11	U J	22	11	4.8
67-64-1	Acetone	11	U J	22	11	5.9
71-43-2	Benzene	1.1	U	5.5	1.1	0.52
108-86-1	Bromobenzene	1.1	U	5.5	1.1	0.54
75-25-2	Bromoform	0.88	U	5.5	0.88	0.25
74-83-9	Bromomethane	1.1	U J	11	1.1	0.55
75-15-0	Carbon disulfide	1.1	U	5.5	1.1	0.46

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: J9017.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 5.033(g) | Date Analyzed: 10/29/2013 23:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	1.1	U	5.5	1.1	0.70
108-90-7	Chlorobenzene	1.1	U	5.5	1.1	0.60
74-97-5	Chlorobromomethane	1.1	U	5.5	1.1	0.33
124-48-1	Chlorodibromomethane	1.1	U	5.5	1.1	0.63
75-00-3	Chloroethane	1.1	U J	11	1.1	0.98
67-66-3	Chloroform	1.1	U	11	1.1	0.32
74-87-3	Chloromethane	1.1	U	11	1.1	0.85
156-59-2	cis-1,2-Dichloroethene	1.1	U	5.5	1.1	0.62
10061-01-5	cis-1,3-Dichloropropene	2.2	U	5.5	2.2	1.4
110-82-7	Cyclohexane	1.8	U	5.5	1.8	0.44
74-95-3	Dibromomethane	1.1	U	5.5	1.1	0.93
75-27-4	Dichlorobromomethane	0.88	U	5.5	0.88	0.24
75-71-8	Dichlorodifluoromethane	1.1	U	11	1.1	0.57
100-41-4	Ethylbenzene	1.1	U	5.5	1.1	0.74
106-93-4	Ethylene Dibromide	1.1	U	5.5	1.1	0.57
87-68-3	Hexachlorobutadiene	1.1	U	5.5	1.1	0.61
98-82-8	Isopropylbenzene	1.1	U	5.5	1.1	0.65
79-20-9	Methyl acetate	4.4	U	9.4	4.4	3.0
1634-04-4	Methyl tert-butyl ether	1.1	U	22	1.1	0.38
108-87-2	Methylcyclohexane	0.88	U	5.5	0.88	0.46
75-09-2	Methylene Chloride	4.7	J B	5.5	3.5	1.8
179601-23-1	m-Xylene & p-Xylene	2.2	U	3.5	2.2	1.1
91-20-3	Naphthalene	1.1	U	5.5	1.1	0.70
104-51-8	n-Butylbenzene	1.1	U	5.5	1.1	0.62
103-65-1	N-Propylbenzene	1.1	U	5.5	1.1	0.64
95-47-6	o-Xylene	1.1	U	5.5	1.1	0.67
135-98-8	sec-Butylbenzene	1.1	U	5.5	1.1	0.85
100-42-5	Styrene	1.1	U	5.5	1.1	0.70
98-06-6	tert-Butylbenzene	1.1	U	5.5	1.1	0.55
127-18-4	Tetrachloroethene	1.1	U	5.5	1.1	0.65
108-88-3	Toluene	1.1	U	5.5	1.1	0.76
156-60-5	trans-1,2-Dichloroethene	1.1	U	5.5	1.1	0.43
10061-02-6	trans-1,3-Dichloropropene	1.1	U	5.5	1.1	0.74
79-01-6	Trichloroethene	0.88	U	5.5	0.88	0.25
75-69-4	Trichlorofluoromethane	2.2	U	11	2.2	1.1
75-01-4	Vinyl chloride	2.2	U J	5.5	2.2	1.5

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: J9017.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 5.033(g) | Date Analyzed: 10/29/2013 23:17

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		61-129
460-00-4	4-Bromofluorobenzene (Surr)	103		85-120
1868-53-7	Dibromofluoromethane (Surr)	96		71-126
2037-26-5	Toluene-d8 (Surr)	100		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9017.D
Lims ID: 280-48486-A-1-B
Client ID: AOI474BF
Inject. Date: 29-Oct-2013 23:17:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 280-48486-a-1-b
Misc. Info.:
Operator: DUKESA
Instrument ID: VMS_J
Purge Vol: 5.000 mL
ALS Bottle#: 27
Lims Batch ID: 198398
Lims Sample ID: 23
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40
Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa
Date: 30-Oct-2013 16:30:13

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	1.052	1.051	0.001	0	505	0	
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	69	302548	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1347018	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.781	0.001	86	275523	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	95	296971	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	78	412062	48.2	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.787	0.001	97	340111	46.3	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	87	1247614	49.8	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.790	0.001	89	309125	51.3	
25 Dichlorodifluoromethane	85		4.133					19
27 Chloromethane	50		4.360					
28 Vinyl chloride	62		4.516					
31 Bromomethane	94		4.899					
32 Chloroethane	64		4.969					
34 Trichlorofluoromethane	101		5.213					
42 1,1,2-Trichloro-1,2,2-trifluoroe	151		5.665					
41 Acetone	43		5.665					
45 1,1-Dichloroethene	96		5.683					39
48 Methyl acetate	43		5.909					
51 Carbon disulfide	76		5.978					
52 Methylene Chloride	84	6.065	6.065	0.0	93	36093	4.25	
54 Methyl tert-butyl ether	73		6.257					
55 trans-1,2-Dichloroethene	96		6.292					39
59 1,1-Dichloroethane	63		6.640					
63 2-Butanone (MEK)	43		7.058					
65 cis-1,2-Dichloroethene	96		7.110					
67 2,2-Dichloropropane	77		7.145					19
69 Chlorobromomethane	128		7.319					
70 Chloroform	83		7.336					29
73 1,1,1-Trichloroethane	97		7.562					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 Cyclohexane	56		7.649					2
75 1,1-Dichloropropene	75		7.684					
76 Carbon tetrachloride	117		7.719					
77 1,2-Dichloroethane	62		7.858					
79 Benzene	78		7.876					19
81 Trichloroethene	130		8.380					
84 1,2-Dichloropropane	63		8.589					29
85 Methylcyclohexane	55		8.589					
86 1,4-Dioxane	88		8.642					
87 Dibromomethane	93		8.711					
88 Dichlorobromomethane	83		8.781					
91 cis-1,3-Dichloropropene	75		9.164					
92 4-Methyl-2-pentanone (MIBK)	43		9.233					
93 Toluene	91		9.512					
95 trans-1,3-Dichloropropene	75		9.634					19
96 1,1,2-Trichloroethane	97		9.843					
97 2-Hexanone	43		9.982					19
98 1,3-Dichloropropane	76		10.017					
99 Tetrachloroethene	164		10.034					
100 Chlorodibromomethane	129		10.243					
102 Ethylene Dibromide	107		10.399					
103 1-Chlorohexane	91		10.678					
104 Chlorobenzene	112		10.800					
106 1,1,1,2-Tetrachloroethane	131		10.852					
105 Ethylbenzene	106		10.852					
107 m-Xylene & p-Xylene	91		10.939					19
109 o-Xylene	106		11.305					
108 Styrene	104		11.305					
110 Bromoform	173		11.548					
111 Isopropylbenzene	105		11.618					19
114 1,1,2,2-Tetrachloroethane	83		11.862					
116 1,2,3-Trichloropropane	110		11.931					149
118 Bromobenzene	156		11.983					
117 N-Propylbenzene	120		11.983					
120 2-Chlorotoluene	126		12.123					
119 1,3,5-Trimethylbenzene	105		12.123					
121 4-Chlorotoluene	126		12.227					
122 tert-Butylbenzene	119		12.471					
123 1,2,4-Trimethylbenzene	105		12.506					19
124 sec-Butylbenzene	134		12.680					
125 4-Isopropyltoluene	119		12.784					
126 1,3-Dichlorobenzene	146		12.854					
128 1,4-Dichlorobenzene	146		12.941					
129 n-Butylbenzene	91		13.202					19
130 1,2-Dichlorobenzene	146		13.358					
131 1,2-Dibromo-3-Chloropropane	157		14.194					
132 1,2,4-Trichlorobenzene	180		15.256					
133 Hexachlorobutadiene	225		15.430					
134 Naphthalene	128		15.656					
135 1,2,3-Trichlorobenzene	180		16.022					

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
3 - Failed RT Window Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

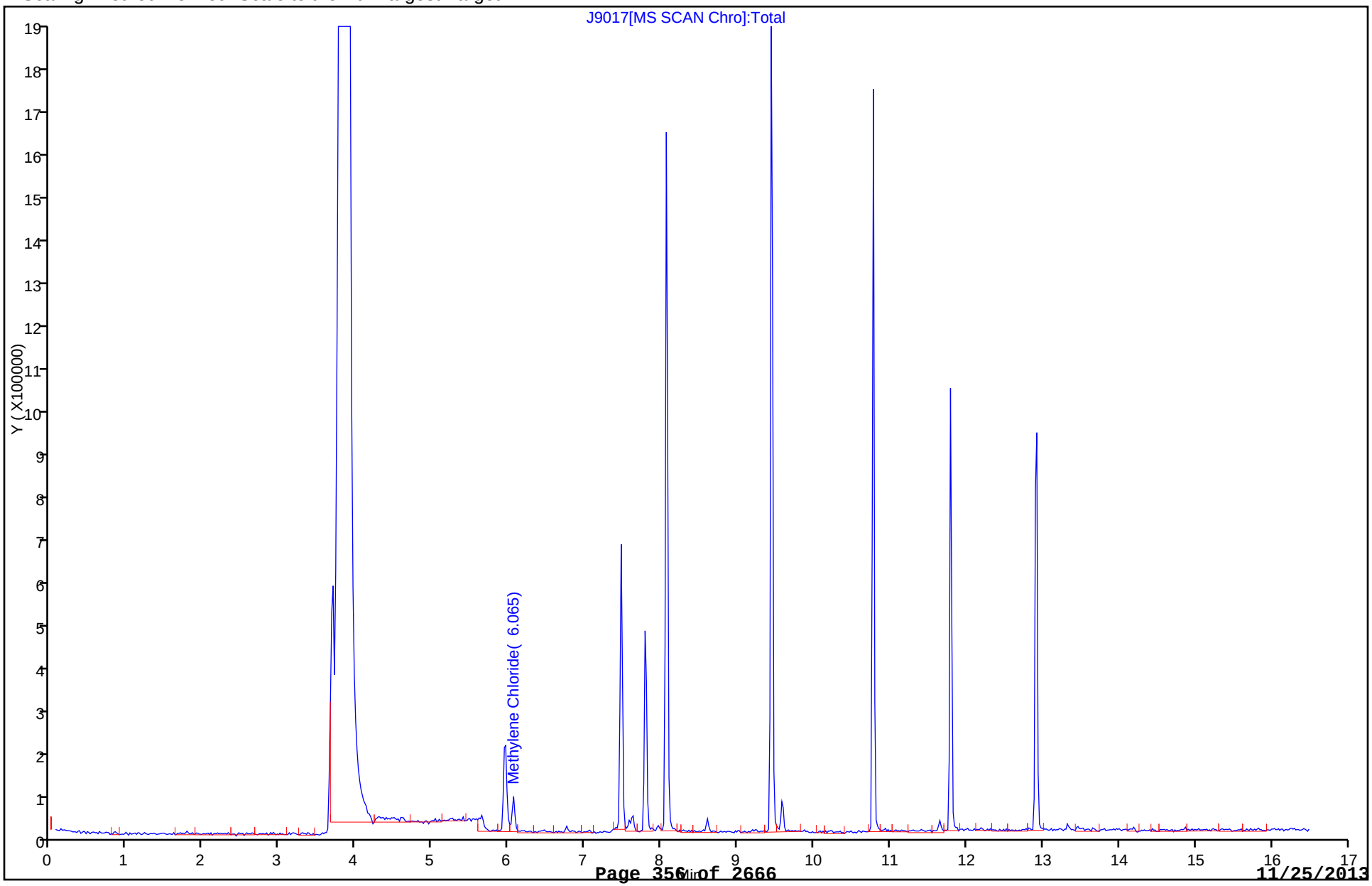
Report Date: 30-Oct-2013 16:34:47 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9017.D

Injection Date:	29-Oct-2013 23:17:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:	AOI474BF	Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	23
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



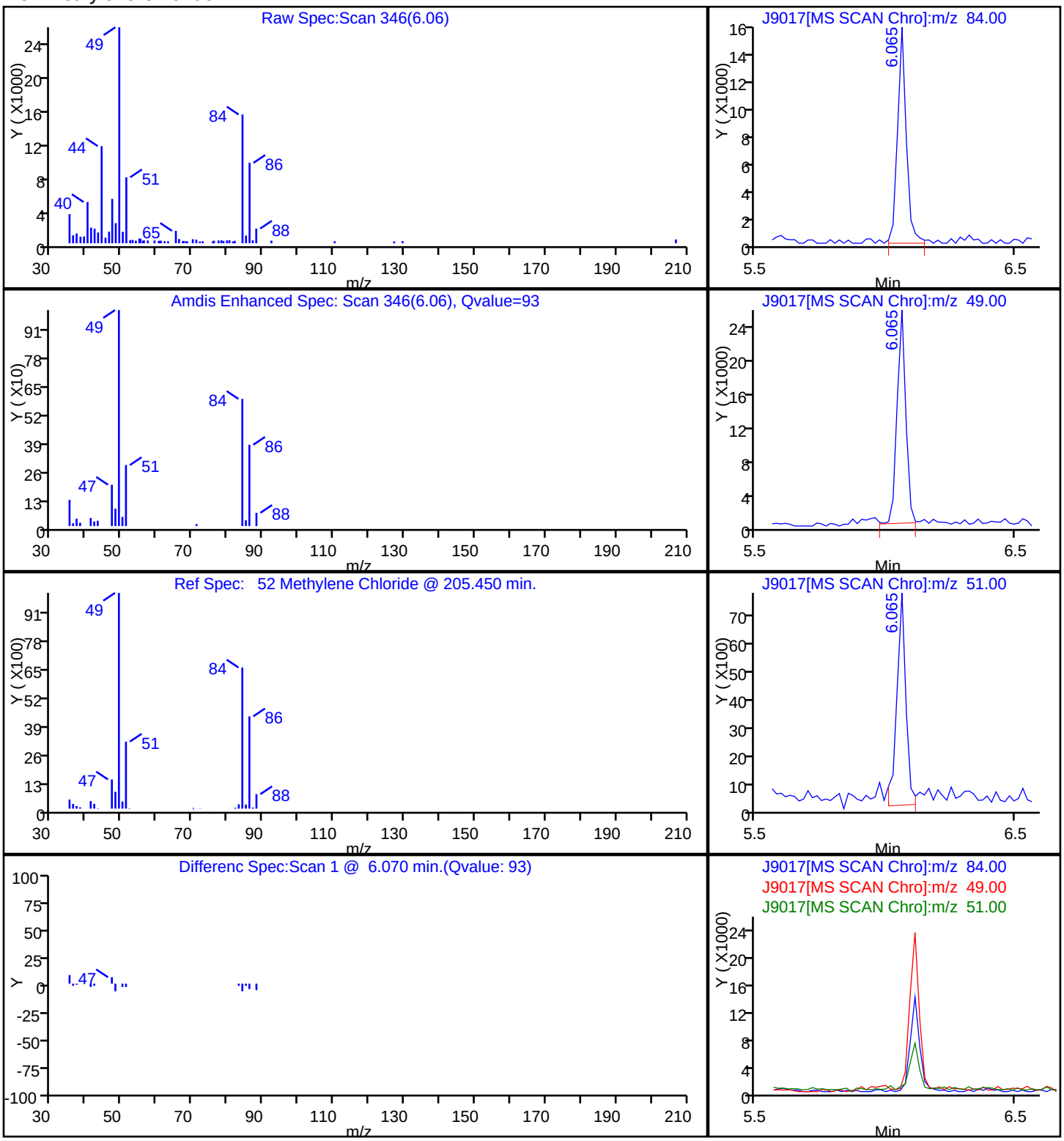
Report Date: 30-Oct-2013 16:34:47 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9017.D

Injection Date:	29-Oct-2013 23:17:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:	AOI474BF	Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	23
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

52 Methylene Chloride



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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/2	J8867.D
Level 2	STD2 280-196983/3	J8868.D
Level 3	STD5 280-196983/4	J8869.D
Level 4	STD10 280-196983/5	J8870.D
Level 5	STD20 280-196983/6	J8871.D
Level 6	ICIS 280-196983/7	J8872.D
Level 7	STD100 280-196983/8	J8873.D
Level 8	STD200 280-196983/9	J8874.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.1659	+++++ 0.1531	0.1884 +++++	0.2072	0.1539	Ave		0.1737				14.0		15.0			
2,2-Dichloro-1,1,1-trifluoroethane	0.5755 0.6056	0.6213 0.5668	0.5637 0.5545	0.5576	0.5532	Ave		0.5748				4.4		15.0			
Propene oxide	0.0345 0.0352	0.0336 0.0299	0.0305 +++++	0.0335	0.0297	Ave		0.0324				7.2		15.0			
Isopropyl alcohol	1.8558 0.9557	1.4009 0.8921	1.1585 0.8579	0.9251	0.8600	Lin2	9.9816	0.8780							0.9950		0.9900
Acetonitrile	+++++ 0.0236	0.0331 0.0211	0.0242 0.0197	0.0220	0.0204	Lin2	0.2427	0.0204							0.9940		0.9900
Isopropyl ether	0.2385 0.2071	0.2339 0.1962	0.1661 0.2004	0.1757	0.1749	Ave		0.1991				14.0		15.0			
2-Chloro-1,3-butadiene	0.5755 0.6646	0.6053 0.6141	0.5330 0.6321	0.5473	0.5498	Ave		0.5902				7.9		15.0			
Tert-butyl ethyl ether	0.7595 0.8607	0.7848 0.8181	0.6936 0.8202	0.7348	0.7284	Ave		0.7750				7.2		15.0			
Ethyl acetate	0.4196 0.1137	0.1606 0.1034	0.1174 0.0971	0.1106	0.0995	Lin1	0.4649	0.0980							0.9920		0.9900
Propionitrile	0.0198 0.0222	0.0251 0.0202	0.0222 0.0191	0.0205	0.0193	Ave		0.0211				9.6		15.0			
Methacrylonitrile	0.1127 0.1280	0.1119 0.1158	0.1031 0.1076	0.1123	0.1091	Ave		0.1126				6.5		15.0			
Tert-amyl methyl ether	0.5088 0.6040	0.5313 0.5878	0.4759 0.5925	0.5272	0.5030	Ave		0.5413				8.8		15.0			
Methyl methacrylate	0.0543 0.0412	0.0462 0.0388	0.0361 0.0391	0.0363	0.0348	Lin2	0.0335	0.0369							0.9920		0.9900
2-Nitropropane	0.0614 0.0438	0.0483 0.0411	0.0382 0.0385	0.0408	0.0377	Lin2	0.0425	0.0387							0.9930		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
cis-1,4-Dichloro-2-butene	0.4389 0.1923	0.2636 0.1852	0.1883 0.1794	0.1800	0.1597	Lin1	0.1890	0.1789							0.9970		0.9900
Dibromofluoromethane (Surr)	+++++ 0.3237	+++++ 0.3160	0.3276 0.3229	0.3097	0.3025	Ave		0.3171				3.0		15.0			
1,2-Dichloroethane-d4 (Surr)	+++++ 0.2843	+++++ 0.2747	0.2819 0.2634	0.2678	0.2633	Ave		0.2726				3.4		15.0			
Toluene-d8 (Surr)	+++++ 4.7127	+++++ 4.6730	4.4262 4.7865	4.3881	4.2740	Ave		4.5434				4.6		15.0			
4-Bromofluorobenzene (Surr)	+++++ 1.0309	+++++ 1.0015	1.0239 1.0311	1.0301	0.9671	Ave		1.0141				2.5		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/2	J8867.D
Level 2	STD2 280-196983/3	J8868.D
Level 3	STD5 280-196983/4	J8869.D
Level 4	STD10 280-196983/5	J8870.D
Level 5	STD20 280-196983/6	J8871.D
Level 6	ICIS 280-196983/7	J8872.D
Level 7	STD100 280-196983/8	J8873.D
Level 8	STD200 280-196983/9	J8874.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Ethanol	TBA	Ave	+++++ 166266	+++++ 312990	19178 +++++	42151	61082	+++++ 2500	+++++ 5000	250 +++++	500	1000
2,2-Dichloro-1,1,1-trifluoroethane	FB	Ave	16824 862425	36033 1717734	81490 3370394	154437	309547	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Propene oxide	FB	Ave	50423 2506069	97552 4525065	220228 +++++	464571	830603	50.0 2500	100 5000	250 +++++	500	1000
Isopropyl alcohol	TBA	Lin2	8948 191596	11733 364717	23584 665052	37630	68241	10.0 500	20.0 1000	50.0 2000	100	200
Acetonitrile	FB	Lin2	+++++ 336724	19190 638202	35007 1199654	60970	114094	+++++ 500	20.0 1000	50.0 2000	100	200
Isopropyl ether	FB	Ave	6971 294919	13566 594543	24015 1217857	48658	97849	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloro-1,3-butadiene	FB	Ave	16825 946371	35102 1861284	77054 3842361	151585	307660	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tert-butyl ethyl ether	FB	Ave	22204 1225638	45514 2479457	100261 4985780	203528	407584	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl acetate	FB	Lin1	24533 323937	18626 626591	33955 1180940	61292	111352	2.00 100	4.00 200	10.0 400	20.0	40.0
Propionitrile	FB	Ave	5797 315442	14566 611605	32117 1162041	56867	108060	10.0 500	20.0 1000	50.0 2000	100	200
Methacrylonitrile	FB	Ave	32955 1822422	64896 3509331	148993 6542984	311166	610219	10.0 500	20.0 1000	50.0 2000	100	200
Tert-amyl methyl ether	FB	Ave	14875 860078	30812 1781408	68799 3601680	146020	281479	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl methacrylate	FB	Lin2	3172 117318	5363 235408	10438 474893	20130	38953	2.00 100	4.00 200	10.0 400	20.0	40.0
2-Nitropropane	FB	Lin2	3592 124870	5603 249195	11040 467622	22615	42149	2.00 100	4.00 200	10.0 400	20.0	40.0
cis-1,4-Dichloro-2-butene	DCB	Lin1	3554 76227	4102 155753	7456 307531	13397	24606	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 14:09 Calibration End Date: 10/21/2013 16:49 Calibration ID: 15998

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibromofluoromethane (Surr)	FB	Ave	+++++ 461034	+++++ 957737	47354 1962686	85767	169250	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	+++++ 404800	+++++ 832435	40758 1600776	74165	147360	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Toluene-d8 (Surr)	CBZ	Ave	+++++ 1445343	+++++ 2965925	135536 6210821	254888	514499	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
4-Bromofluorobenzene (Surr)	DCB	Ave	+++++ 408635	+++++ 842072	40548 1767273	76682	148966	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8867.D
Lims ID: STD1 Client ID:
Inject. Date: 21-Oct-2013 14:09:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 196983 Lims Sample ID: 2
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:03 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 14:53:22

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.947	5.947	0.0	80	482174	1000.0	
* 1 Fluorobenzene	96	8.071	8.071	0.0	98	1461661	50.0	
* 2 Chlorobenzene-d5	119	10.769	10.769	0.0	91	306249	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.910	12.910	0.0	96	404864	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.479	7.479	0.0	55	15561	1.68	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.792	7.792	0.0	97	14089	1.77	
$ 7 Toluene-d8 (Surr)	98	9.446	9.446	0.0	82	45591	1.64	
$ 8 4-Bromofluorobenzene (Surr)	95	11.778	11.778	0.0	81	20737	2.53	
24 Chlorotrifluoroethene	116		4.069					19
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.276	4.276	0.0	86	9095	3.63	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.555	4.555	0.0	6	11456	1.09	
30 Ethylene oxide	43	4.833	4.833	0.0	99	68391	236.5	
35 Ethanol	45	5.234	5.234	0.0	75	4719	56.3	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.373	5.373	0.0	77	12549	1.16	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.408	5.408	0.0	81	16824	1.00	
39 Propene oxide	58	5.495	5.495	0.0	95	50423	53.2	
44 Isopropyl alcohol	45	5.669	5.669	0.0	23	8948	9.77	
47 Acetonitrile	41		5.896					2
58 Isopropyl ether	87	6.591	6.591	0.0	94	6971	1.20	
60 2-Chloro-1,3-butadiene	53	6.713	6.713	0.0	91	16825	0.9751	
61 Tert-butyl ethyl ether	59	6.887	6.887	0.0	92	22204	0.9800	
62 Ethyl acetate	43	7.044	7.044	0.0	93	24533	3.82	
66 Propionitrile	54	7.114	7.114	0.0	86	5797	9.42	
68 Methacrylonitrile	41	7.253	7.253	0.0	97	32955	10.0	
78 Tert-amyl methyl ether	73	7.862	7.862	0.0	89	14875	0.9400	
80 n-Butanol	56	8.053	8.053	0.0	17	17353	62.8	
148 Ethyl acrylate	55	8.315	8.315	0.0	0	5954	1.02	
83 Methyl methacrylate	100	8.523	8.523	0.0	83	3172	2.03	
90 2-Nitropropane	41	8.959	8.959	0.0	69	3592	2.08	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.020	10.020	0.0	1	9626	1.62	
101 Tetrahydrothiophene	60	10.299	10.299	0.0	41	4350	1.54	
112 cis-1,4-Dichloro-2-butene	53	11.639	11.639	0.0	36	3554	1.40	
127 1,2,3-Trimethylbenzene	105	12.945	12.945	0.0	86	21892	0.9321	
146 Benzyl chloride	126	13.049	13.049	0.0	77	1445	0.9826	
16 1,3,5-Trichlorobenzene	180	14.441	14.441	0.0	90	9735	1.01	

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

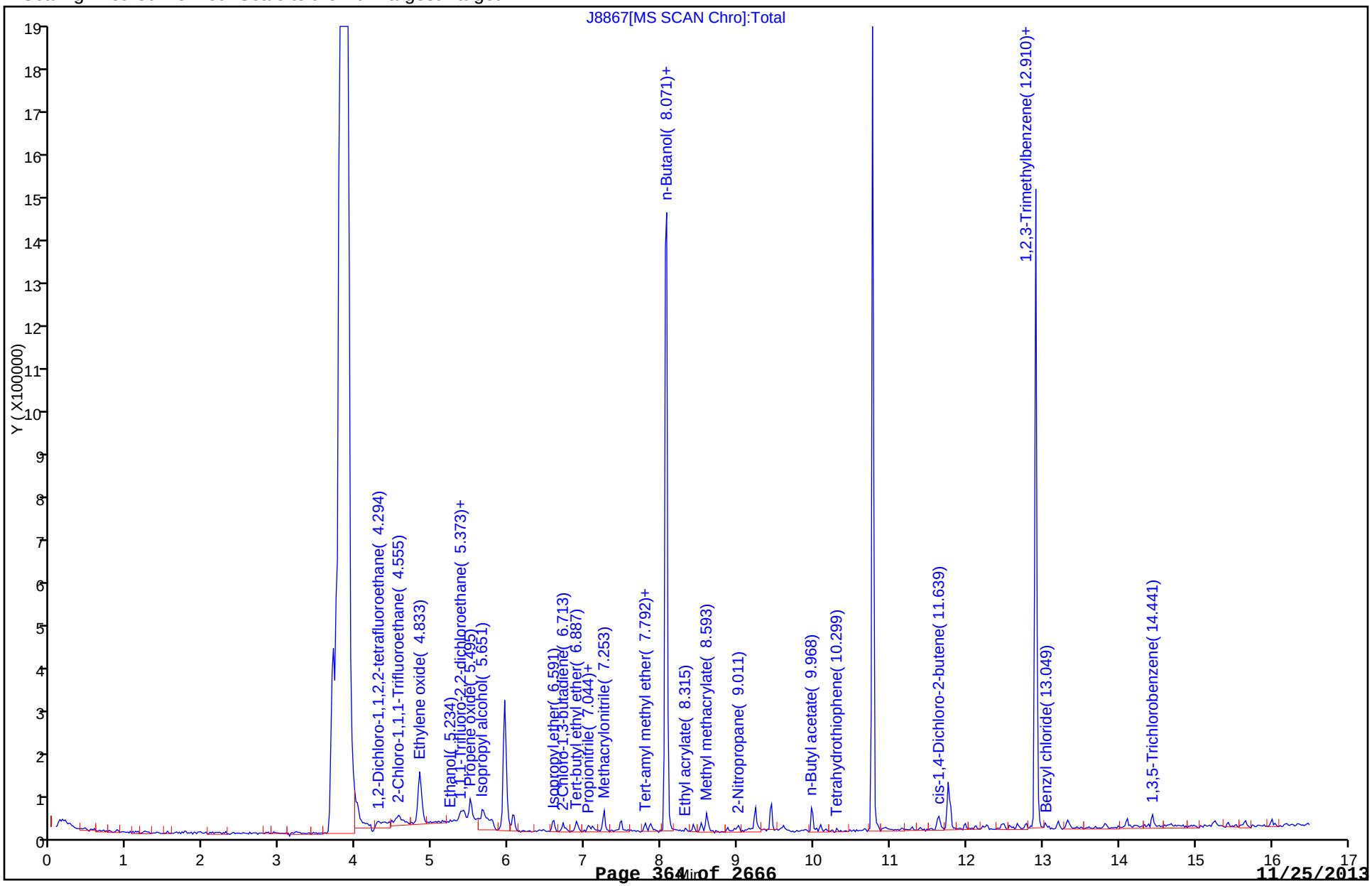
Report Date: 21-Oct-2013 23:37:03 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8867.D

Injection Date:	21-Oct-2013 14:09:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	2
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8868.D
Lims ID: STD2 Client ID:
Inject. Date: 21-Oct-2013 14:30:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD2
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 196983 Lims Sample ID: 3
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:03 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 15:57:16

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.943	5.943	0.0	78	418769	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1449826	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	86	300703	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	97	388986	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.475	7.475	0.0	61	22536	2.45	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.788	0.0	92	20268	2.56	
$ 7 Toluene-d8 (Surr)	98	9.442	9.442	0.0	86	63913	2.34	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.791	0.0	82	22595	2.86	
24 Chlorotrifluoroethene	116		4.069					29
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.289	4.289	0.0	87	18069	4.65	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.551	4.551	0.0	3	23929	2.29	
30 Ethylene oxide	43	4.829	4.829	0.0	99	141583	493.7	
35 Ethanol	45	5.247	5.247	0.0	88	8756	120.4	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.369	5.369	0.0	84	25632	2.39	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.403	5.403	0.0	83	36033	2.16	
39 Propene oxide	58	5.508	5.508	0.0	93	97552	103.8	
44 Isopropyl alcohol	45	5.682	5.682	0.0	62	11733	20.5	
47 Acetonitrile	41	5.908	5.908	0.0	100	19190	20.6	
58 Isopropyl ether	87	6.587	6.587	0.0	96	13566	2.35	
60 2-Chloro-1,3-butadiene	53	6.709	6.709	0.0	86	35102	2.05	
61 Tert-butyl ethyl ether	59	6.900	6.900	0.0	94	45514	2.03	
62 Ethyl acetate	43	7.040	7.040	0.0	95	18626	1.81	
66 Propionitrile	54	7.127	7.127	0.0	96	14566	23.9	
68 Methacrylonitrile	41	7.248	7.248	0.0	97	64896	19.9	
78 Tert-amyl methyl ether	73	7.858	7.858	0.0	89	30812	1.96	
80 n-Butanol	56	8.067	8.067	0.0	43	18089	84.8	
148 Ethyl acrylate	55	8.310	8.310	0.0	0	11155	1.94	
83 Methyl methacrylate	100	8.536	8.536	0.0	86	5363	4.10	
90 2-Nitropropane	41	8.954	8.954	0.0	88	5603	3.89	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.033	10.033	0.0	89	11225	1.98	
101 Tetrahydrothiophene	60	10.312	10.312	0.0	56	6188	2.13	
112 cis-1,4-Dichloro-2-butene	53	11.635	11.635	0.0	56	4102	1.89	
127 1,2,3-Trimethylbenzene	105	12.940	12.940	0.0	94	46598	2.07	
146 Benzyl chloride	126	13.045	13.045	0.0	91	2929	2.03	
16 1,3,5-Trichlorobenzene	180	14.437	14.437	0.0	93	20146	2.17	

QC Flag Legend

Processing Flags
2 - Failed Coelution Test
9 - Failed A Reference Spectral Test

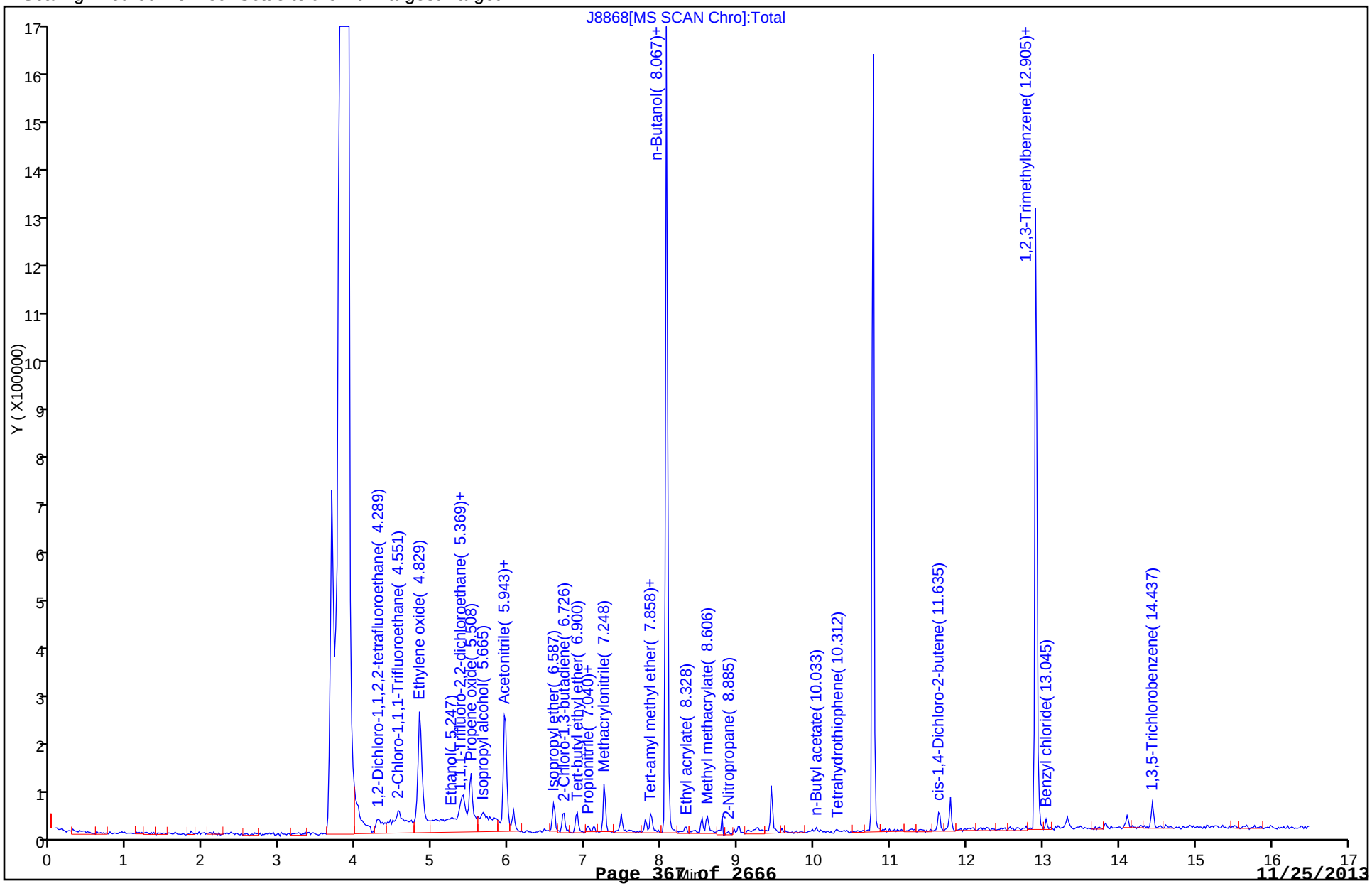
Report Date: 21-Oct-2013 23:37:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8868.D

Injection Date:	21-Oct-2013 14:30:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	3
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8869.D
Lims ID: STD5 Client ID:
Inject. Date: 21-Oct-2013 14:52:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD5
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 196983 Lims Sample ID: 4
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:04 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 15:58:25

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	57	407153	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1445586	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	87	306211	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	96	395996	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.475	7.475	0.0	72	47354	5.17	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.788	0.0	97	40758	5.17	
$ 7 Toluene-d8 (Surr)	98	9.442	9.442	0.0	87	135536	4.87	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.791	0.0	86	40548	5.05	
24 Chlorotrifluoroethene	116		4.069					
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.290	4.290	0.0	96	31761	6.21	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.551	4.551	0.0	24	48335	4.64	
30 Ethylene oxide	43	4.829	4.829	0.0	99	297212	1039.4	
35 Ethanol	45	5.247	5.247	0.0	94	19178	271.1	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.369	5.369	0.0	86	48111	4.51	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.403	5.403	0.0	83	81490	4.90	
39 Propene oxide	58	5.508	5.508	0.0	98	220228	235.0	
44 Isopropyl alcohol	45	5.682	5.682	0.0	62	23584	54.6	
47 Acetonitrile	41	5.908	5.908	0.0	97	35007	47.5	
58 Isopropyl ether	87	6.587	6.587	0.0	96	24015	4.17	
60 2-Chloro-1,3-butadiene	53	6.726	6.726	0.0	94	77054	4.52	
61 Tert-butyl ethyl ether	59	6.900	6.900	0.0	95	100261	4.47	
62 Ethyl acetate	43	7.040	7.040	0.0	97	33955	7.24	
66 Propionitrile	54	7.127	7.127	0.0	96	32117	52.8	
68 Methacrylonitrile	41	7.248	7.248	0.0	98	148993	45.8	
78 Tert-amyl methyl ether	73	7.858	7.858	0.0	91	68799	4.40	
80 n-Butanol	56	8.067	8.067	0.0	65	25956	147.2	
148 Ethyl acrylate	55	8.310	8.310	0.0	0	25508	4.44	
83 Methyl methacrylate	100	8.537	8.537	0.0	92	10438	8.87	
90 2-Nitropropane	41	8.954	8.954	0.0	90	11040	8.76	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.033	10.033	0.0	97	20041	3.84	
101 Tetrahydrothiophene	60	10.295	10.295	0.0	60	12365	3.98	
112 cis-1,4-Dichloro-2-butene	53	11.652	11.652	0.0	68	7456	4.21	
127 1,2,3-Trimethylbenzene	105	12.940	12.940	0.0	97	106209	4.62	
146 Benzyl chloride	126	13.045	13.045	0.0	97	6968	4.74	
16 1,3,5-Trichlorobenzene	180	14.437	14.437	0.0	94	45353	4.79	

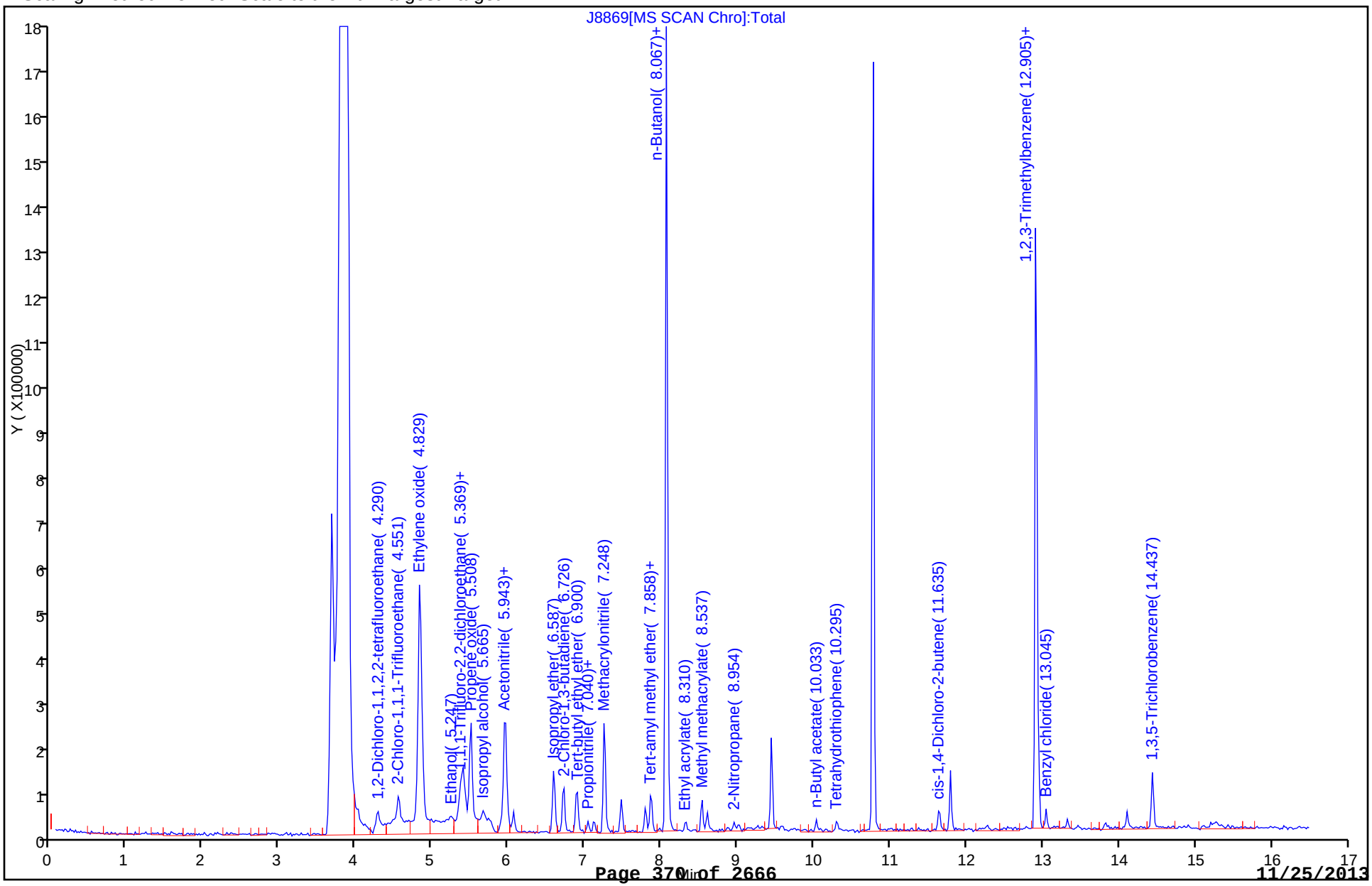
Report Date: 21-Oct-2013 23:37:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8869.D

Injection Date:	21-Oct-2013 14:52:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	4
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8870.D
Lims ID: STD10 Client ID:
Inject. Date: 21-Oct-2013 15:24:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD10
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 196983 Lims Sample ID: 5
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:05 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: seifertj Date: 21-Oct-2013 15:57:47

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	80	406778	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1384835	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	87	290434	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	95	372222	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	78	85767	9.77	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.804	7.804	0.0	98	74165	9.82	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	87	254888	9.66	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	84	76682	10.2	
24 Chlorotrifluoroethene	116	4.080	4.080	0.0	71	6828	12.0	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.288	4.288	0.0	95	55123	9.13	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.567	4.567	0.0	13	91640	9.18	
30 Ethylene oxide	43	4.828	4.828	0.0	99	531303	1939.6	
35 Ethanol	45	5.246	5.246	0.0	97	42151	596.5	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.385	5.385	0.0	83	96577	9.44	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.420	5.420	0.0	90	154437	9.70	
39 Propene oxide	58	5.507	5.507	0.0	98	464571	517.5	
44 Isopropyl alcohol	45	5.681	5.681	0.0	87	37630	94.0	
47 Acetonitrile	41	5.907	5.907	0.0	98	60970	96.1	
58 Isopropyl ether	87	6.603	6.603	0.0	97	48658	8.82	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	95	151585	9.27	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	94	203528	9.48	
62 Ethyl acetate	43	7.039	7.039	0.0	98	61292	17.8	
66 Propionitrile	54	7.126	7.126	0.0	85	56867	97.5	
68 Methacrylonitrile	41	7.265	7.265	0.0	97	311166	99.8	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	94	146020	9.74	
80 n-Butanol	56	8.100	8.100	0.0	79	37097	230.7	
148 Ethyl acrylate	55	8.327	8.327	0.0	0	51224	9.31	
83 Methyl methacrylate	100	8.535	8.535	0.0	92	20130	18.8	
90 2-Nitropropane	41	8.953	8.953	0.0	91	22615	20.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.032	10.032	0.0	98	35726	7.48	
101 Tetrahydrothiophene	60	10.311	10.311	0.0	57	23311	7.70	
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	89	13397	9.00	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	97	207731	9.62	
146 Benzyl chloride	126	13.044	13.044	0.0	98	12654	9.07	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	95	90249	10.1	

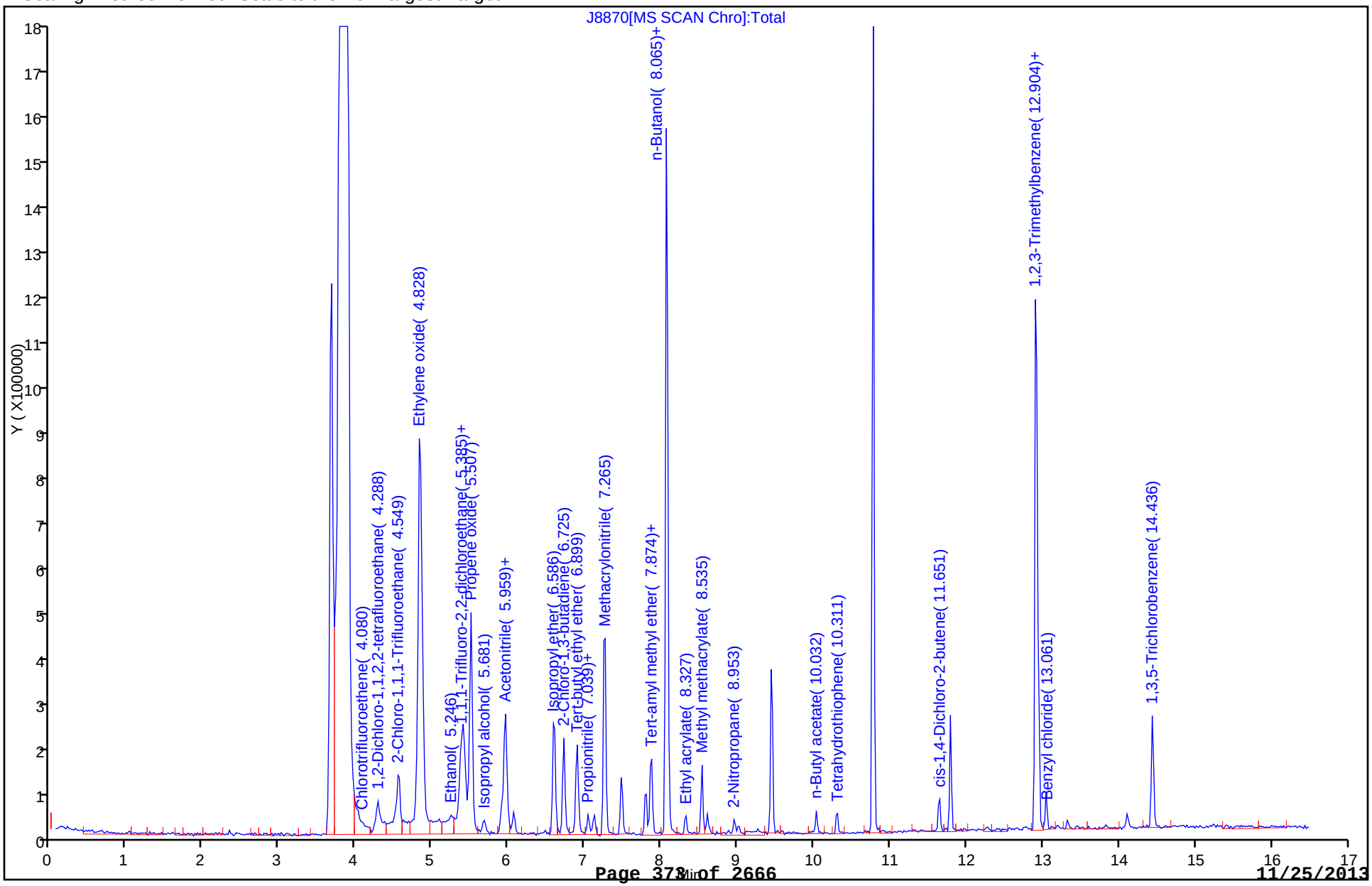
Report Date: 21-Oct-2013 23:37:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8870.D

Injection Date:	21-Oct-2013 15:24:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	5
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8871.D		
Lims ID:	STD20	Client ID:	
Inject. Date:	21-Oct-2013 15:45:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD20		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	14
Lims Batch ID:	196983	Lims Sample ID:	6
Sublist:	chrom-SO_VMSJ_8260*sub57		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:06	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	66	396773	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1398903	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	86	300949	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	97	385073	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	75	169250	19.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	98	147360	19.3	
$ 7 Toluene-d8 (Surr)	98	9.440	9.440	0.0	86	514499	18.8	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	86	148966	19.1	
24 Chlorotrifluoroethene	116	4.062	4.062	0.0	91	14889	15.2	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.288	4.288	0.0	97	105471	15.0	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.549	4.549	0.0	33	183615	18.2	
30 Ethylene oxide	43	4.828	4.828	0.0	99	1020806	3689.1	
35 Ethanol	45	5.246	5.246	0.0	96	61082	886.2	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.367	5.367	0.0	93	192642	18.6	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.402	5.402	0.0	85	309547	19.2	
39 Propene oxide	58	5.507	5.507	0.0	98	830603	915.9	
44 Isopropyl alcohol	45	5.681	5.681	0.0	96	68241	184.5	
47 Acetonitrile	41	5.907	5.907	0.0	97	114094	188.2	
58 Isopropyl ether	87	6.586	6.586	0.0	97	97849	17.6	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	95	307660	18.6	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	97	407584	18.8	
62 Ethyl acetate	43	7.038	7.038	0.0	99	111352	35.9	
66 Propionitrile	54	7.125	7.125	0.0	98	108060	183.4	
68 Methacrylonitrile	41	7.247	7.247	0.0	98	610219	193.8	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	92	281479	18.6	
80 n-Butanol	56	8.100	8.100	0.0	87	62145	429.5	
148 Ethyl acrylate	55	8.326	8.326	0.0	0	103211	18.6	
83 Methyl methacrylate	100	8.535	8.535	0.0	90	38953	36.8	
90 2-Nitropropane	41	8.953	8.953	0.0	92	42149	37.8	
144 n-Butyl acetate	43	10.032	10.032	0.0	98	75891	16.2	
101 Tetrahydrothiophene	60	10.311	10.311	0.0	50	48231	15.2	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	93	24606	16.8	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	97	436699	19.5	
146 Benzyl chloride	126	13.043	13.043	0.0	99	25376	17.6	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	95	175591	19.1	

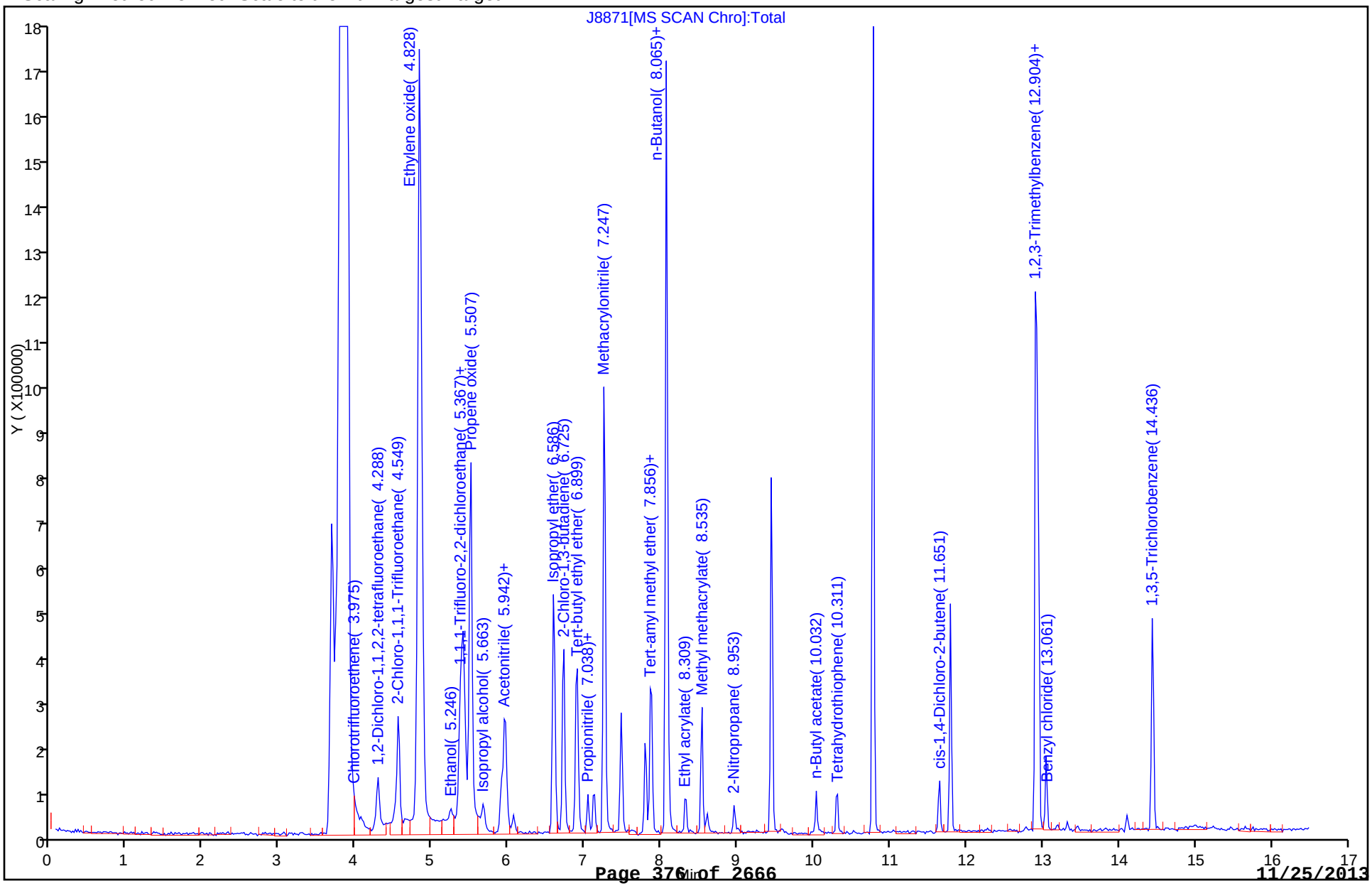
Report Date: 21-Oct-2013 23:37:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8871.D

Injection Date:	21-Oct-2013 15:45:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	6
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8872.D		
Lims ID:	ICIS	Client ID:	
Inject. Date:	21-Oct-2013 16:06:30	Dil. Factor:	1.0000
Sample Type:	ICIS	Calib Level:	6
Sample ID:	ICIS		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	15
Lims Batch ID:	196983	Lims Sample ID:	7
Sublist:	chrom-SO_VMSJ_8260*sub57		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:58:53	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: dukesa		Date:	21-Oct-2013 17:58:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	63	400957	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1424064	50.0	
* 2 Chlorobenzene-d5	119	10.780	10.780	0.0	87	306690	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.921	12.921	0.0	96	396387	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.473	7.473	0.0	62	461034	51.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	97	404800	52.1	
$ 7 Toluene-d8 (Surr)	98	9.440	9.440	0.0	86	1445343	51.9	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	87	408635	50.8	
24 Chlorotrifluoroethene	116	4.062	4.062	0.0	95	106861	50.8	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.288	4.288	0.0	98	453033	54.8	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.549	4.549	0.0	32	539604	52.6	
30 Ethylene oxide	43	4.828	4.828	0.0	99	3232976	11477	
35 Ethanol	45	5.245	5.245	0.0	99	166266	2387.1	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.367	5.367	0.0	93	527069	50.1	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.402	5.402	0.0	86	862425	52.7	
39 Propene oxide	58	5.506	5.506	0.0	97	2506069	2714.5	
44 Isopropyl alcohol	45	5.680	5.680	0.0	95	191596	532.9	
47 Acetonitrile	41	5.907	5.907	0.0	99	336724	532.7	
58 Isopropyl ether	87	6.586	6.586	0.0	98	294919	52.0	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	94	946371	56.3	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	98	1225638	55.5	
62 Ethyl acetate	43	7.038	7.038	0.0	99	323937	111.3	
66 Propionitrile	54	7.125	7.125	0.0	98	315442	526.0	
68 Methacrylonitrile	41	7.247	7.247	0.0	97	1822422	527.9	
78 Tert-amyl methyl ether	73	7.856	7.856	0.0	94	860078	55.8	
80 n-Butanol	56	8.100	8.100	0.0	95	175308	1282.4	
148 Ethyl acrylate	55	8.309	8.309	0.0	0	319573	51.9	
83 Methyl methacrylate	100	8.535	8.535	0.0	91	117318	104.9	
90 2-Nitropropane	41	8.953	8.953	0.0	97	124870	112.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.032	10.032	0.0	98	239593	50.9	
101 Tetrahydrothiophene	60	10.310	10.310	0.0	51	167891	51.2	
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	94	76227	52.7	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	89	1279016	55.6	
146 Benzyl chloride	126	13.043	13.043	0.0	99	80770	54.8	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	95	494419	52.1	

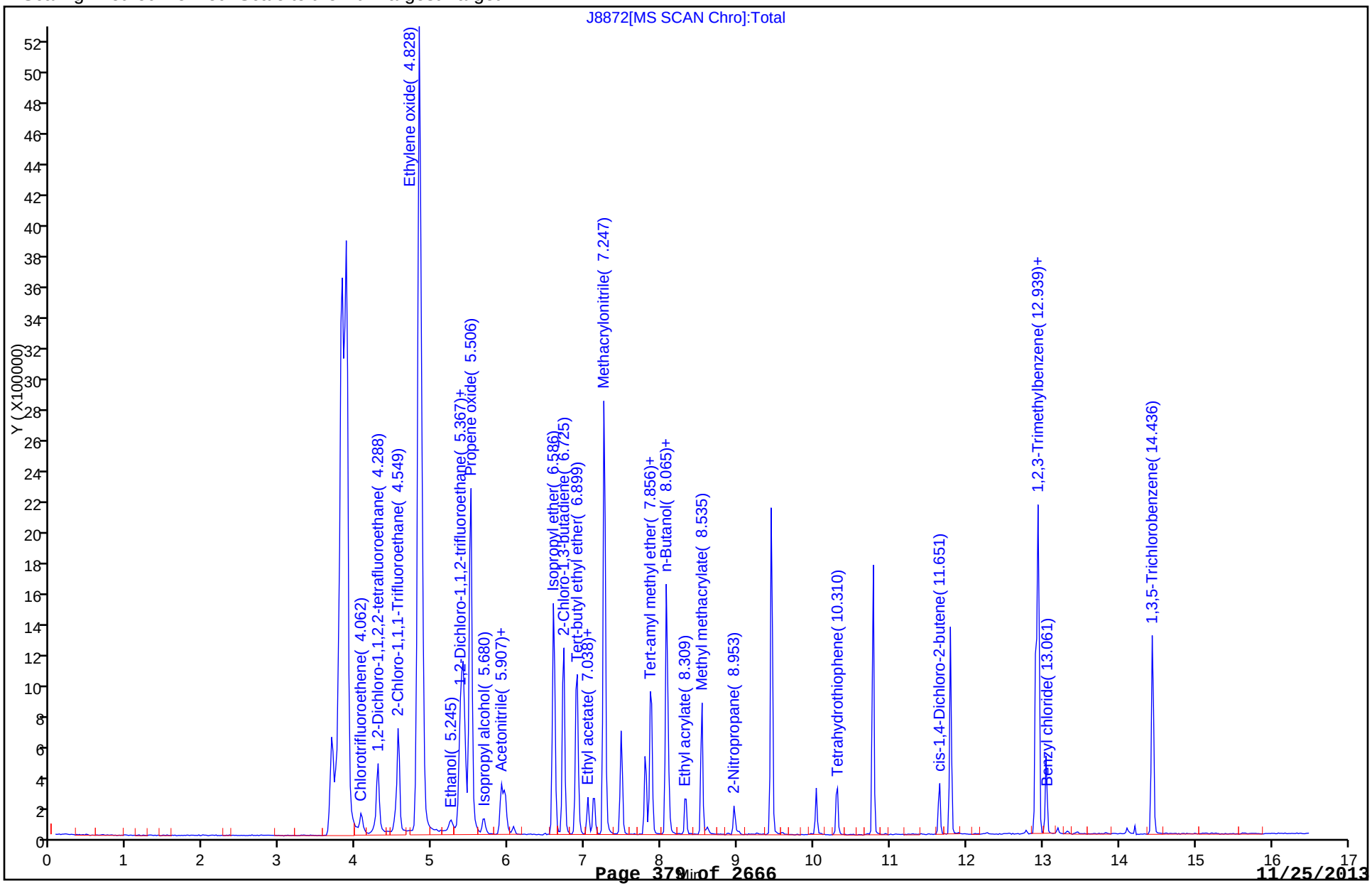
Report Date: 21-Oct-2013 23:58:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8872.D

Injection Date:	21-Oct-2013 16:06:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	7
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8873.D		
Lims ID:	STD100	Client ID:	
Inject. Date:	21-Oct-2013 16:28:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD100		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	16
Lims Batch ID:	196983	Lims Sample ID:	8
Sublist:	chrom-SO_VMSJ_8260*sub57		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:07	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.946	5.946	0.0	89	408828	1000.0	
* 1 Fluorobenzene	96	8.070	8.070	0.0	97	1515358	50.0	
* 2 Chlorobenzene-d5	119	10.785	10.785	0.0	86	317350	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.909	12.909	0.0	97	420422	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.478	7.478	0.0	63	957737	99.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.791	7.791	0.0	98	832435	100.8	
$ 7 Toluene-d8 (Surr)	98	9.445	9.445	0.0	85	2965925	102.9	
$ 8 4-Bromofluorobenzene (Surr)	95	11.795	11.795	0.0	92	842072	98.8	
24 Chlorotrifluoroethene	116	4.066	4.066	0.0	96	254740	102.2	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.275	4.275	0.0	97	903313	100.3	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.554	4.554	0.0	31	1073629	98.3	
30 Ethylene oxide	43	4.832	4.832	0.0	99	5520080	18416	
35 Ethanol	45	5.250	5.250	0.0	97	312990	4407.0	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.372	5.372	0.0	91	1054476	94.2	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.407	5.407	0.0	84	1717734	98.6	
39 Propene oxide	58	5.494	5.494	0.0	96	4525065	4606.2	
44 Isopropyl alcohol	45	5.668	5.668	0.0	97	364717	1004.6	
47 Acetonitrile	41	5.912	5.912	0.0	99	638202	1021.3	
58 Isopropyl ether	87	6.590	6.590	0.0	98	594543	98.5	
60 2-Chloro-1,3-butadiene	53	6.712	6.712	0.0	95	1861284	104.1	
61 Tert-butyl ethyl ether	59	6.886	6.886	0.0	97	2479457	105.6	
62 Ethyl acetate	43	7.043	7.043	0.0	99	626591	206.3	
66 Propionitrile	54	7.112	7.112	0.0	98	611605	958.4	
68 Methacrylonitrile	41	7.252	7.252	0.0	96	3509331	1028.7	
78 Tert-amyl methyl ether	73	7.861	7.861	0.0	95	1781408	108.6	
80 n-Butanol	56	8.105	8.105	0.0	94	347616	2537.8	
148 Ethyl acrylate	55	8.314	8.314	0.0	0	648393	107.6	
83 Methyl methacrylate	100	8.540	8.540	0.0	92	235408	209.5	
90 2-Nitropropane	41	8.958	8.958	0.0	98	249195	211.2	
144 n-Butyl acetate	43	10.037	10.037	0.0	98	513438	102.9	
101 Tetrahydrothiophene	60	10.298	10.298	0.0	51	350096	103.0	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.638	11.638	0.0	93	155753	102.5	
127 1,2,3-Trimethylbenzene	105	12.943	12.943	0.0	99	2415267	99.0	
146 Benzyl chloride	126	13.048	13.048	0.0	99	163959	107.6	
16 1,3,5-Trichlorobenzene	180	14.440	14.440	0.0	96	922741	91.8	

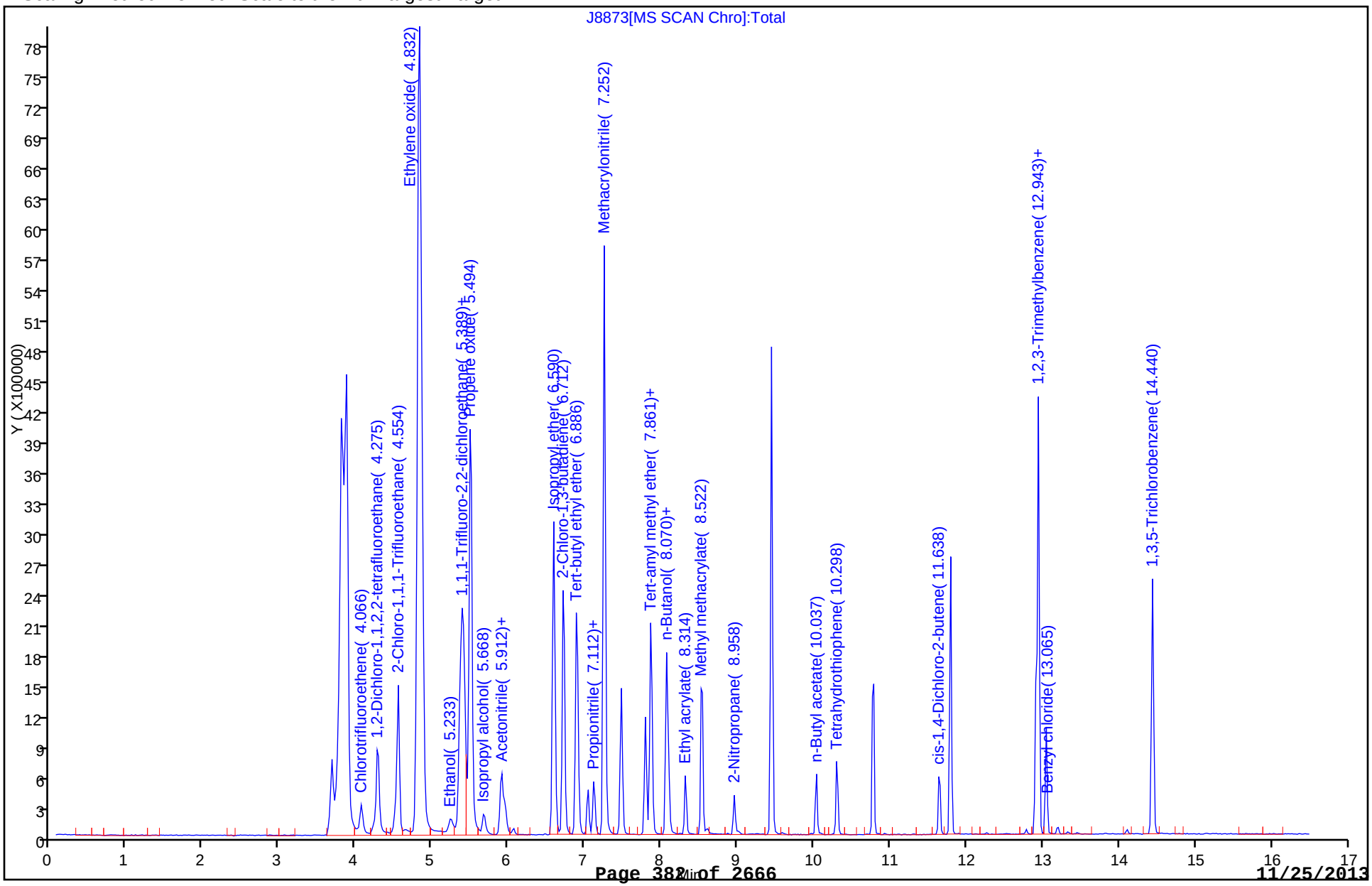
Report Date: 21-Oct-2013 23:37:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8873.D

Injection Date:	21-Oct-2013 16:28:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	8
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8874.D
Lims ID: STD200 Client ID:
Inject. Date: 21-Oct-2013 16:49:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 17
Lims Batch ID: 196983 Lims Sample ID: 9
Sublist: chrom-SO_VMSJ_8260*sub57
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:08 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	77	387609	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1519625	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	86	324395	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	89	428473	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	66	1962686	203.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	97	1600776	193.2	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	6210821	210.7	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.791	0.0	88	1767273	203.4	
24 Chlorotrifluoroethene	116	4.062	4.062	0.0	96	523469	199.7	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.289	4.289	0.0	98	1826090	199.6	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.550	4.550	0.0	31	2136806	195.1	
30 Ethylene oxide	43	4.828	4.828	0.0	100	8388373	27907	
35 Ethanol	45	5.246	5.246	0.0	100	546075	8109.9	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.368	5.368	0.0	92	2062781	183.8	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.403	5.403	0.0	85	3370394	192.9	
39 Propene oxide	58	5.490	5.490	0.0	94	7823013	7940.9	
44 Isopropyl alcohol	45	5.681	5.681	0.0	99	665052	1942.7	
47 Acetonitrile	41	5.907	5.907	0.0	99	1199654	1924.7	
58 Isopropyl ether	87	6.586	6.586	0.0	98	1217857	201.3	
60 2-Chloro-1,3-butadiene	53	6.726	6.726	0.0	94	3842361	214.2	
61 Tert-butyl ethyl ether	59	6.900	6.900	0.0	98	4985780	211.7	
62 Ethyl acetate	43	7.039	7.039	0.0	99	1180940	391.8	
66 Propionitrile	54	7.126	7.126	0.0	98	1162041	1815.8	
68 Methacrylonitrile	41	7.248	7.248	0.0	96	6542984	1912.5	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	96	3601680	218.9	
80 n-Butanol	56	8.101	8.101	0.0	94	643226	4997.4	
148 Ethyl acrylate	55	8.309	8.309	0.0	0	1274914	211.1	
83 Methyl methacrylate	100	8.536	8.536	0.0	91	474893	422.4	
90 2-Nitropropane	41	8.953	8.953	0.0	98	467622	396.2	
144 n-Butyl acetate	43	10.033	10.033	0.0	98	1015037	203.2	
101 Tetrahydrothiophene	60	10.294	10.294	0.0	51	706775	203.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	91	307531	199.5	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	98	5310269	213.6	
146 Benzyl chloride	126	13.044	13.044	0.0	100	341805	219.4	
16 1,3,5-Trichlorobenzene	180	14.436	14.436	0.0	96	2106023	205.5	

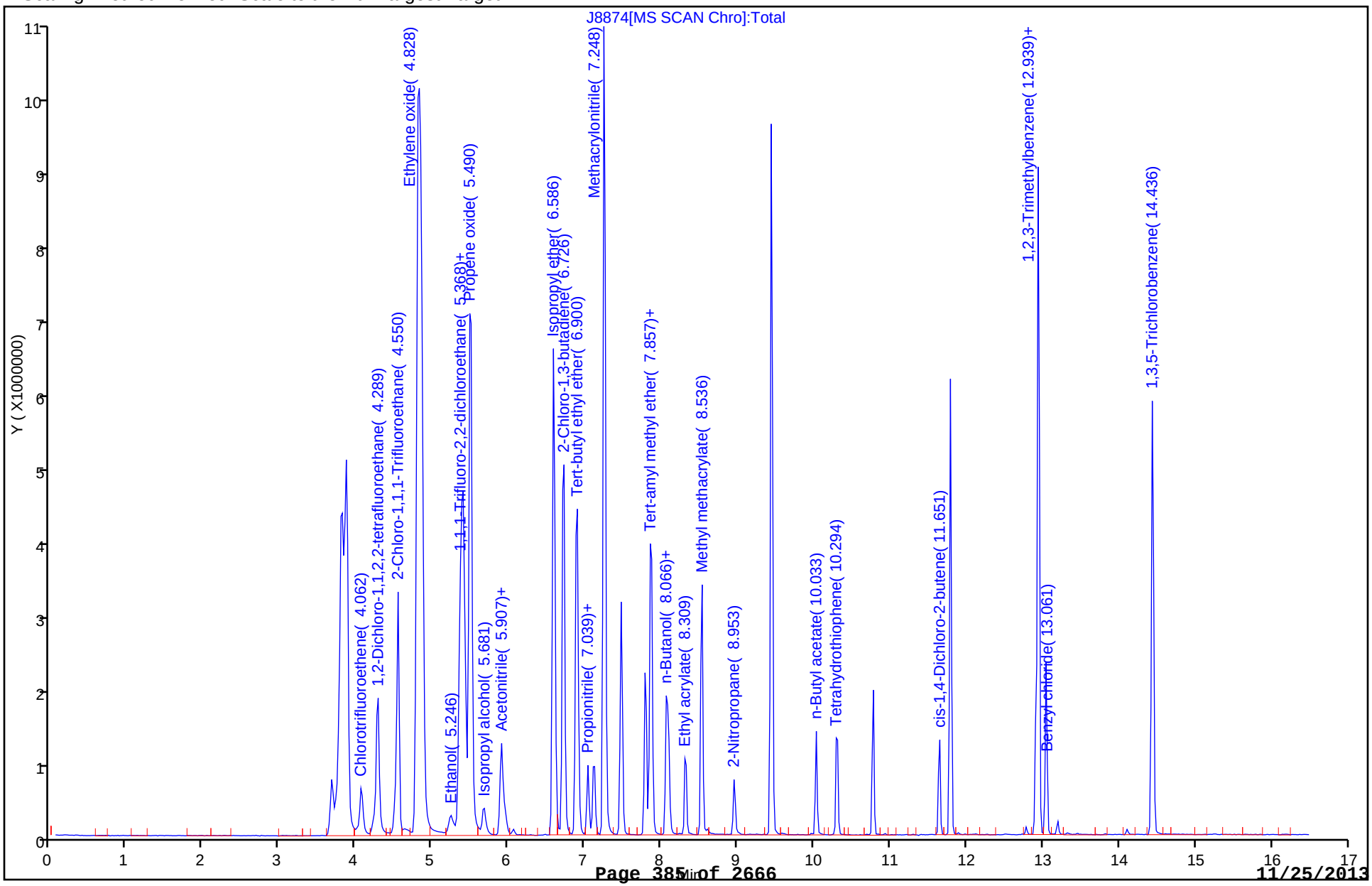
Report Date: 21-Oct-2013 23:37:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8874.D

Injection Date:	21-Oct-2013 16:49:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	9
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/11	J8876.D
Level 2	STD2 280-196983/12	J8877.D
Level 3	STD5 280-196983/13	J8878.D
Level 4	STD10 280-196983/14	J8879.D
Level 5	STD20 280-196983/15	J8880.D
Level 6	STD50 280-196983/16	J8881.D
Level 7	STD100 280-196983/17	J8882.D
Level 8	STD200 280-196983/18	J8883.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Dichlorodifluoromethane	+++++ 0.5112	+++++ 0.4749	0.3395 0.4655	0.3224	0.3158	Lin1	-1.150	0.4787							0.9930		0.9900
Chloromethane	+++++ 0.5558	+++++ 0.5300	0.4658 0.5137	0.4462	0.4329	Ave		0.4907			0.1000	10.0		15.0			
Vinyl chloride	+++++ 0.5267	+++++ 0.4949	0.4379 0.4610	0.4388	0.4226	Ave		0.4637				8.6		30.0			
Bromomethane	0.3511 0.3303	0.3296 0.3105	0.2883 0.2965	0.2949	0.2686	Ave		0.3087				8.7		15.0			
Chloroethane	0.2880 0.2833	0.2965 0.2653	0.2498 0.2527	0.2540	0.2422	Ave		0.2665				7.6		15.0			
Dichlorofluoromethane	0.8150 0.7829	0.7676 0.7347	0.7102 0.7043	0.7119	0.6944	Ave		0.7401				5.9		15.0			
Trichlorofluoromethane	+++++ 0.6041	+++++ 0.5658	0.5313 0.5386	0.5244	0.5112	Ave		0.5459				6.2		15.0			
Ethyl ether	+++++ 0.1779	+++++ 0.1735	0.1663 0.1605	0.1717	0.1652	Ave		0.1692				3.7		15.0			
Acetone	0.2949 0.0493	0.1683 0.0408	0.0881 0.0394	0.0644	0.0492	Lin2	1.0245	0.0390							0.9950		0.9900
1,1,2-Trichloro-1,2,2-trifluoroethane	+++++ 0.3188	+++++ 0.2950	0.2763 0.2847	0.2830	0.2672	Ave		0.2875				6.2		15.0			
1,1-Dichloroethene	+++++ 0.3242	+++++ 0.3070	0.2851 0.2944	0.2901	0.2726	Ave		0.2955				6.1		30.0			
Iodomethane	0.7088 0.6399	0.6248 0.6194	0.5517 0.6179	0.5911	0.5483	Ave		0.6127				8.4		15.0			
Methyl acetate	+++++ 0.1419	+++++ 0.1332	0.1353 0.1256	0.1164	0.1283	Ave		0.1301				6.8		15.0			
Allyl chloride	+++++ 0.7374	+++++ 0.7007	0.7013 0.6830	0.6737	0.6532	Ave		0.6916				4.2		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon disulfide	1.6323 1.4931	1.4898 1.4436	1.2882 1.4348	1.2765	1.2353	Ave		1.4117				9.6		15.0			
2-Methyl-2-propanol	+++++ 1.2760	+++++ 1.1768	1.1925 1.2175	1.0953	1.1550	Ave		1.1855				5.1		15.0			
Methylene Chloride	+++++ 0.3121	+++++ 0.2892	0.3875 0.2800	0.3263	0.2944	Ave		0.3149				12.0		15.0			
Acrylonitrile	0.0659 0.0582	0.0565 0.0551	0.0506 0.0524	0.0498	0.0504	Ave		0.0549				9.8		15.0			
Methyl tert-butyl ether	+++++ 0.5482	+++++ 0.5294	0.4522 0.5233	0.4654	0.4715	Ave		0.4983				8.0		15.0			
trans-1,2-Dichloroethene	0.3804 0.3457	0.3850 0.3395	0.3128 0.3356	0.3088	0.3098	Ave		0.3397				8.9		15.0			
Hexane	+++++ 2.8953	+++++ 2.7181	2.3680 2.7560	2.3763	2.4664	Ave		2.5967				8.6		15.0			
Vinyl acetate	+++++ 0.4190	+++++ 0.3852	0.3522 0.3232	0.3472	0.3470	Ave		0.3623				9.4		15.0			
1,1-Dichloroethane	0.7995 0.7040	0.7175 0.6730	0.6315 0.6648	0.6419	0.6243	Ave		0.6821			0.1000	8.5		15.0			
2-Butanone (MEK)	+++++ 0.1090	+++++ 0.0998	0.1003 0.0921	0.0977	0.0988	Ave		0.0996				5.5		15.0			
2-Butanol	+++++ 1.1090	+++++ 1.1045	0.8396 1.0835	0.8506	0.9633	Ave		0.9917				13.0		15.0			
cis-1,2-Dichloroethene	+++++ 0.3385	0.3370 0.3308	0.2862 0.3252	0.3038	0.3002	Ave		0.3174				6.5		15.0			
2,2-Dichloropropane	0.5549 0.5325	0.5367 0.5173	0.4560 0.5110	0.4712	0.4711	Ave		0.5063				7.1		15.0			
Chlorobromomethane	+++++ 0.1471	0.1474 0.1401	0.1340 0.1373	0.1307	0.1292	Ave		0.1380				5.3		15.0			
Chloroform	0.6670 0.5840	0.6125 0.5629	0.5207 0.5473	0.5452	0.5251	Ave		0.5706				8.6		30.0			
Tetrahydrofuran	+++++ 0.0476	0.0476 0.0456	0.0411 0.0430	0.0424	0.0413	Ave		0.0441				6.4		15.0			
1,1,1-Trichloroethane	+++++ 0.5374	+++++ 0.5129	0.4548 0.5032	0.4809	0.4770	Ave		0.4944				5.9		15.0			
Cyclohexane	0.7675 0.7330	0.6814 0.7057	0.6085 0.6882	0.6028	0.6099	Ave		0.6746				9.2		15.0			
Isobutyl alcohol	+++++ 1.4975	1.2472 1.3900	1.2684 1.3853	1.2739	1.3315	Ave		1.3420				6.6		15.0			
1,1-Dichloropropene	+++++ 0.5339	0.4987 0.5135	0.4565 0.5002	0.4633	0.4661	Ave		0.4903				5.9		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbon tetrachloride	0.5561 0.5240	0.5142 0.5110	0.4595 0.5013	0.4616	0.4613	Ave		0.4986				7.1		15.0			
1,2-Dichloroethane	0.3975 0.3544	0.3710 0.3320	0.3287 0.3099	0.3128	0.3189	Ave		0.3406				9.1		15.0			
Benzene	1.3546 1.2875	1.2527 1.2443	1.1272 1.2317	1.1082	1.1214	Ave		1.2160				7.3		15.0			
Trichloroethene	0.4255 0.3814	0.3967 0.3857	0.3371 0.3784	0.3458	0.3449	Ave		0.3744				8.1		15.0			
2-Pentanone	0.1948 0.1926	0.1906 0.1923	0.1621 0.1827	0.1709	0.1693	Ave		0.1819				7.0		15.0			
1,2-Dichloropropane	+++++ 0.3458	+++++ 0.3300	0.3234 0.3146	0.3149	0.3128	Ave		0.3236				3.9		30.0			
Methylcyclohexane	0.6496 0.6065	0.5726 0.5911	0.5105 0.5588	0.5193	0.5316	Ave		0.5675				8.4		15.0			
1,4-Dioxane	+++++ 0.0015	+++++ 0.0015	0.0019 0.0014	0.0018	0.0017	Ave		0.0016				11.0		15.0			
Dibromomethane	+++++ 0.1469	+++++ 0.1423	0.1247 0.1368	0.1408	0.1335	Ave		0.1375				5.7		15.0			
Dichlorobromomethane	0.4311 0.3891	0.4095 0.3738	0.3513 0.3632	0.3446	0.3424	Ave		0.3756				8.6		15.0			
2-Chloroethyl vinyl ether	+++++ 0.0738	0.0767 0.0760	0.0685 0.0768	0.0613	0.0605	Ave		0.0705				10.0		15.0			
cis-1,3-Dichloropropene	2.2097 1.9204	1.7614 1.8641	1.6728 1.8622	1.6180	1.7203	Ave		1.8286				10.0		15.0			
4-Methyl-2-pentanone (MIBK)	+++++ 0.1950	+++++ 0.1852	0.1508 0.1758	0.1607	0.1646	Qua	-1.586	0.2031	0						1.0000		0.9900
Toluene	1.2074 1.2104	1.1413 1.2345	1.0023 1.1927	1.0242	1.0698	Ave		1.1353				8.0		30.0			
Ethyl methacrylate	0.9002 0.9437	0.8190 0.9508	0.6766 0.9774	0.7180	0.7788	Ave		0.8456				13.0		15.0			
trans-1,3-Dichloropropene	0.4394 0.3495	0.2836 0.3520	0.2760 0.3345	0.2953	0.3069	Lin1	-0.038	0.3385							0.9980		0.9900
1,1,2-Trichloroethane	+++++ 0.1655	+++++ 0.1603	0.1637 0.1554	0.1529	0.1488	Ave		0.1578				4.1		15.0			
2-Hexanone	+++++ 0.5726	0.5689 0.5485	0.4519 0.5404	0.4526	0.4884	Ave		0.5176				10.0		15.0			
1,3-Dichloropropane	1.6587 1.5096	1.6991 1.4348	1.3564 1.4123	1.4108	1.3895	Ave		1.4839				8.7		15.0			
Tetrachloroethene	1.4753 1.3427	1.4306 1.3438	1.2267 1.2968	1.2145	1.2267	Ave		1.3196				7.4		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Chlorodibromomethane	1.1912 1.1201	1.0916 1.0911	0.9732 1.0849	0.9636	1.0092	Ave		1.0656				7.3		15.0			
Ethylene Dibromide	0.9315 0.7933	0.8786 0.7568	0.7566 0.7549	0.6714	0.7059	Ave		0.7811				11.0		15.0			
1-Chlorohexane	+++++ 2.0642	+++++ 2.1589	1.6231 1.9727	1.7724	1.8182	Ave		1.9016				10.0		15.0			
Chlorobenzene	3.7412 3.3364	3.7049 3.4388	3.1938 3.2482	3.1969	3.2809	Ave		3.3926			0.3000	6.5		15.0			
1,1,1,2-Tetrachloroethane	1.3450 1.2872	1.2986 1.2535	1.1494 1.2397	1.1192	1.1809	Ave		1.2342				6.3		15.0			
Ethylbenzene	1.6778 1.9018	1.8701 1.9665	1.6773 1.8451	1.7286	1.7450	Ave		1.8015				6.0		30.0			
m-Xylene & p-Xylene	4.5094 4.6405	4.1498 4.8532	3.9210 4.4669	4.1473	4.3742	Ave		4.3828				6.9		15.0			
o-Xylene	2.2318 2.0711	1.9341 2.2008	1.7541 1.9955	1.8006	1.9600	Ave		1.9935				8.6		15.0			
Styrene	2.4763 3.0546	2.3591 3.2968	2.3338 3.0259	2.3915	2.7280	Ave		2.7082				14.0		15.0			
Bromoform	0.5881 0.5826	0.5504 0.5919	0.4721 0.5808	0.4960	0.5145	Ave		0.5471			0.1000	8.6		15.0			
Isopropylbenzene	4.2090 4.1105	4.0052 4.3036	3.6519 3.9204	3.7468	3.8200	Ave		3.9709				5.8		15.0			
Cyclohexanone	+++++ 0.0481	+++++ 0.0473	0.0340 0.0478	0.0363	0.0399	Ave		0.0422				15.0		15.0			
1,1,2,2-Tetrachloroethane	+++++ 0.5981	0.6380 0.5677	0.6093 0.5362	0.5663	0.5338	Ave		0.5785			0.3000	6.7		15.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1733	+++++ 0.1633	0.1606 0.1550	0.1531	0.1492	Ave		0.1591				5.4		15.0			
1,2,3-Trichloropropane	+++++ 0.1552	+++++ 0.1449	0.1570 0.1427	0.1518	0.1438	Ave		0.1492				4.2		15.0			
Bromobenzene	1.0745 0.9407	0.9644 0.9599	0.9069 0.8859	0.9004	0.8853	Ave		0.9398				6.7		15.0			
N-Propylbenzene	1.1207 1.0939	1.0841 1.2032	0.9952 1.0125	1.0647	1.0894	Ave		1.0830				5.9		15.0			
1,3,5-Trimethylbenzene	3.0055 3.1261	2.7253 3.4072	2.7510 2.8531	2.8986	2.9806	Ave		2.9684				7.5		15.0			
2-Chlorotoluene	1.1276 0.9731	1.0484 1.0232	0.9245 0.8735	0.9570	0.9621	Ave		0.9862				8.0		15.0			
4-Chlorotoluene	1.1219 0.9267	0.9170 1.0094	0.9068 0.8360	0.9389	0.9234	Ave		0.9475				9.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
tert-Butylbenzene	3.4050 3.3395	3.0945 3.6351	2.8659 3.0695	3.0803	3.2412	Ave		3.2164				7.5		15.0			
1,2,4-Trimethylbenzene	3.1522 3.0346	2.8645 3.3606	2.7838 2.7351	2.8745	2.9832	Ave		2.9736				7.0		15.0			
sec-Butylbenzene	+++++ 0.8878	0.8379 1.0525	0.7556 0.8149	0.8006	0.8583	Ave		0.8583				11.0		15.0			
4-Isopropyltoluene	3.6192 3.6585	3.1526 4.1826	3.2189 3.2744	3.4865	3.6728	Ave		3.5332				9.4		15.0			
1,3-Dichlorobenzene	2.1559 1.7870	1.9188 1.9254	1.7194 1.5981	1.7446	1.7598	Ave		1.8261				9.3		15.0			
1,4-Dichlorobenzene	+++++ 1.7013	2.0320 1.8249	1.6544 +++++	1.7226	1.7304	Ave		1.7776				7.7		15.0			
n-Butylbenzene	+++++ 3.2911	3.1080 3.8017	2.8386 2.7283	3.1500	3.3555	Ave		3.1819				11.0		15.0			
1,2-Dichlorobenzene	1.8325 1.4743	1.5849 1.5664	1.4101 1.3404	1.4570	1.4492	Ave		1.5144				10.0		15.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.0982	+++++ 0.0959	0.0916 0.0942	0.0824	0.0844	Ave		0.0911				7.0		15.0			
1,2,4-Trichlorobenzene	+++++ 0.7955	0.8386 0.8859	0.7294 0.7132	0.7994	0.7922	Ave		0.7935				7.5		15.0			
Hexachlorobutadiene	+++++ 0.5425	+++++ 0.6437	0.5984 0.4374	0.5975	0.6114	Ave		0.5718				13.0		15.0			
Naphthalene	+++++ 1.3062	+++++ 1.3641	0.9557 1.2567	1.0431	1.0759	Lin	-0.624	1.2819							0.9970		0.9900
1,2,3-Trichlorobenzene	+++++ 0.6700	0.7281 0.7149	0.6055 0.5915	0.6225	0.6496	Ave		0.6546				8.1		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196983/11	J8876.D
Level 2	STD2 280-196983/12	J8877.D
Level 3	STD5 280-196983/13	J8878.D
Level 4	STD10 280-196983/14	J8879.D
Level 5	STD20 280-196983/15	J8880.D
Level 6	STD50 280-196983/16	J8881.D
Level 7	STD100 280-196983/17	J8882.D
Level 8	STD200 280-196983/18	J8883.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dichlorodifluoromethane	FB	Lin1	+++++ 748214	+++++ 1506600	49426 3129878	92209	182882	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Chloromethane	FB	Ave	+++++ 813419	+++++ 1681452	67825 3453775	127600	250742	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Vinyl chloride	FB	Ave	+++++ 770788	+++++ 1569942	63757 3099681	125501	244756	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Bromomethane	FB	Ave	9727 483409	18635 984968	41979 1993351	84330	155562	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chloroethane	FB	Ave	7979 414554	16761 841756	36367 1699191	72636	140267	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Dichlorofluoromethane	FB	Ave	22582 1145792	43398 2330867	103395 4735478	203601	402187	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichlorofluoromethane	FB	Ave	+++++ 884151	+++++ 1795058	77359 3621161	149971	296075	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Ethyl ether	FB	Ave	+++++ 260298	+++++ 550423	24208 1079160	49110	95680	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acetone	FB	Lin2	32685 288775	38069 518257	51327 1060578	73701	113902	4.00 200	8.00 400	20.0 800	40.0	80.0
1,1,2-Trichloro-1,2,2-trifluoroetha ne	FB	Ave	+++++ 466618	+++++ 935795	40232 1914363	80933	154728	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,1-Dichloroethene	FB	Ave	+++++ 474497	+++++ 973898	41505 1979004	82951	157858	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Iodomethane	FB	Ave	19640 936545	35322 1964882	80318 4154120	169038	317560	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Methyl acetate	FB	Ave	+++++ 1038522	+++++ 2112180	98460 4221895	166499	371600	+++++ 250	+++++ 500	25.0 1000	50.0	100
Allyl chloride	FB	Ave	+++++ 1079243	+++++ 2222920	102107 4592300	192668	378295	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Carbon disulfide	FB	Ave	45226 2185268	84228 4579727	187549 9646479	365066	715462	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2-Methyl-2-propanol	TBA	Ave	+++++ 249726	+++++ 489942	22726 1022231	42452	87761	+++++ 500	+++++ 1000	50.0 2000	100	200
Methylene Chloride	FB	Ave	+++++ 456775	+++++ 917450	56411 1882687	93330	170525	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Acrylonitrile	FB	Ave	18246 851101	31967 1747144	73674 3526013	142511	291977	10.0 500	20.0 1000	50.0 2000	100	200
Methyl tert-butyl ether	FB	Ave	+++++ 802340	+++++ 1679495	65836 3518301	133090	273050	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
trans-1,2-Dichloroethene	FB	Ave	10540 506002	21767 1076989	45544 2256297	88315	179416	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Hexane	CBZ	Ave	+++++ 930570	+++++ 1944915	72423 4049133	146420	304925	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Vinyl acetate	FB	Ave	+++++ 1226331	+++++ 2443976	102559 4345375	198566	401908	+++++ 100	+++++ 200	10.0 400	20.0	40.0
1,1-Dichloroethane	FB	Ave	22153 1030317	40567 2134861	91937 4469556	183567	361577	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Butanone (MEK)	FB	Ave	+++++ 638369	+++++ 1266300	58421 2477884	111776	228903	+++++ 200	+++++ 400	20.0 800	40.0	80.0
2-Butanol	TBA	Ave	+++++ 651109	+++++ 1379506	48001 2729039	98901	219576	+++++ 1500	+++++ 3000	150 6000	300	600
cis-1,2-Dichloroethene	FB	Ave	+++++ 495360	19051 1049431	41662 2186648	86894	173850	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
2,2-Dichloropropane	FB	Ave	15375 779315	30345 1640973	66397 3435357	134754	272857	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorobromomethane	FB	Ave	+++++ 215280	8336 444378	19514 922921	37373	74845	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Chloroform	FB	Ave	18481 854734	34626 1785844	75812 3679581	155922	304115	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrahydrofuran	FB	Ave	+++++ 139271	5379 289601	11964 577537	24231	47812	+++++ 100	4.00 200	10.0 400	20.0	40.0
1,1,1-Trichloroethane	FB	Ave	+++++ 786494	+++++ 1627254	66218 3383124	137519	276273	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Cyclohexane	FB	Ave	21264 1072716	38522 2238739	88592 4626909	172406	353213	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isobutyl alcohol	TBA	Ave	+++++ 732672	25164 1446762	60429 2907702	123438	252934	+++++ 1250	50.0 2500	125 5000	250	500
1,1-Dichloropropene	FB	Ave	+++++ 781373	28192 1629164	66458 3363238	132499	269964	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Carbon tetrachloride	FB	Ave	15409 766959	29072 1621146	66898 3370097	132018	267148	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichloroethane	FB	Ave	11014 518671	20973 1053131	47850 2083757	89456	184680	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzene	FB	Ave	37533 1884390	70824 3947363	164113 8281070	316929	649501	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Trichloroethene	FB	Ave	11788 558138	22430 1223497	49078 2544254	98896	199753	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Pentanone	FB	Ave	21594 1127458	43111 2439679	94384 4913303	195541	392292	4.00 200	8.00 400	20.0 800	40.0	80.0
1,2-Dichloropropane	FB	Ave	+++++ 506084	+++++ 1047004	47090 2115317	90047	181161	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Methylcyclohexane	FB	Ave	17998 887691	32374 1875089	74323 3757133	148526	307869	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dioxane	FB	Ave	+++++ 44246	+++++ 93864	5412 188801	10062	19386	+++++ 1000	+++++ 2000	100 4000	200	400
Dibromomethane	FB	Ave	+++++ 214973	+++++ 451404	18151 919471	40271	77315	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Dichlorobromomethane	FB	Ave	11945 569425	23152 1185910	51143 2441577	98564	198315	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 108037	4336 241117	9972 516213	17518	35030	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
cis-1,3-Dichloropropene	CBZ	Ave	13410 617226	21059 1333879	51162 2735989	99700	212684	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Methyl-2-pentanone (MIBK)	FB	Qua	+++++ 1141631	+++++ 2349653	87824 4728472	183856	381317	+++++ 200	+++++ 400	20.0 800	40.0	80.0
Toluene	FB	Ave	33454 1771462	64525 3916387	145928 8018649	292901	619602	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethyl methacrylate	CBZ	Ave	5463 303309	9792 680332	20693 1436056	44242	96285	1.00 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,3-Dichloropropene	FB	Lin1	12174 511520	16035 1116779	40179 2248892	84442	177732	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,2-Trichloroethane	FB	Ave	+++++ 242165	+++++ 508450	23838 1044553	43738	86158	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
2-Hexanone	CBZ	Ave	+++++ 736137	27206 1569988	55280 3176059	111565	241519	+++++ 200	8.00 400	20.0 800	40.0	80.0
1,3-Dichloropropane	CBZ	Ave	10066 485210	20314 1026639	41484 2075000	86930	171788	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Tetrachloroethene	CBZ	Ave	8953 431572	17104 961570	37517 1905204	74832	151654	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Chlorodibromomethane	CBZ	Ave	7229 360017	13051 780764	29764 1593892	59373	124767	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylene Dibromide	CBZ	Ave	5653 254978	10504 541559	23139 1109150	41368	87274	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1-Chlorohexane	CBZ	Ave	+++++ 663466	+++++ 1544774	49641 2898325	109212	224780	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Chlorobenzene	CBZ	Ave	22704 1072344	44295 2460648	97680 4772210	196984	405614	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,1,1,2-Tetrachloroethane	CBZ	Ave	8162 413711	15526 896920	35153 1821328	68962	145994	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Ethylbenzene	CBZ	Ave	10182 611262	22358 1407151	51299 2710885	106513	215739	1.00 50.0	2.00 100	5.00 200	10.0	20.0
m-Xylene & p-Xylene	CBZ	Ave	27366 1491513	49614 3472643	119920 6562758	255547	540785	1.00 50.0	2.00 100	5.00 200	10.0	20.0
o-Xylene	CBZ	Ave	13544 665670	23124 1574778	53648 2931756	110948	242315	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Styrene	CBZ	Ave	15028 981769	28204 2359004	71377 4445734	147360	337261	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Bromoform	CBZ	Ave	3569 187243	6580 423514	14440 853331	30565	63612	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Isopropylbenzene	DCB	Ave	32826 1927496	62009 4551408	149951 8481403	312598	675549	1.00 50.0	2.00 100	5.00 200	10.0	20.0
Cyclohexanone	CBZ	Ave	+++++ 617926	+++++ 1353333	41560 2809129	89409	197527	+++++ 2000	+++++ 4000	200 8000	400	800
1,1,2,2-Tetrachloroethane	DCB	Ave	+++++ 280438	9878 600427	25017 1160009	47250	94403	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
trans-1,4-Dichloro-2-butene	DCB	Ave	+++++ 81263	+++++ 172665	6595 335391	12769	26385	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,3-Trichloropropane	DCB	Ave	+++++ 72787	+++++ 153252	6445 308681	12668	25436	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Bromobenzene	DCB	Ave	8380 441097	14931 1015179	37239 1916547	75121	156567	1.00 50.0	2.00 100	5.00 200	10.0	20.0
N-Propylbenzene	DCB	Ave	8740 512927	16784 1272489	40863 2190504	88828	192662	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,3,5-Trimethylbenzene	DCB	Ave	23440 1465858	42194 3603379	112960 6172484	241829	527100	1.00 50.0	2.00 100	5.00 200	10.0	20.0
2-Chlorotoluene	DCB	Ave	8794 456285	16232 1082064	37961 1889738	79844	170142	1.00 50.0	2.00 100	5.00 200	10.0	20.0
4-Chlorotoluene	DCB	Ave	8750 434532	14197 1067549	37234 1808566	78329	163298	1.00 50.0	2.00 100	5.00 200	10.0	20.0
tert-Butylbenzene	DCB	Ave	26556 1565964	47910 3844428	117677 6640563	256994	573199	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2,4-Trimethylbenzene	DCB	Ave	24584 1422978	44349 3554128	114307 5917297	239820	527572	1.00 50.0	2.00 100	5.00 200	10.0	20.0
sec-Butylbenzene	DCB	Ave	+++++ 416323	12973 1113151	31028 1763012	66795	151784	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
4-Isopropyltoluene	DCB	Ave	28226 1715528	48809 4423405	132172 7083865	290880	649520	1.00 50.0	2.00 100	5.00 200	10.0	20.0

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196983

SDG No.:

Instrument ID: VMS_J GC Column: DB-624 (75.5 ID: 0.53(mm) Heated Purge: (Y/N) Y

Calibration Start Date: 10/21/2013 17:32 Calibration End Date: 10/21/2013 20:03 Calibration ID: 15999

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,3-Dichlorobenzene	DCB	Ave	16814 837974	29707 2036249	70603 3457282	145554	311213	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,4-Dichlorobenzene	DCB	Ave	+++++ 797751	31459 1929974	67930 +++++	143720	306020	+++++ 50.0	2.00 100	5.00 +++++	10.0	20.0
n-Butylbenzene	DCB	Ave	+++++ 1543265	48118 4020603	116555 5902570	262805	593411	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dichlorobenzene	DCB	Ave	14292 691331	24538 1656574	57902 2899808	121554	256281	1.00 50.0	2.00 100	5.00 200	10.0	20.0
1,2-Dibromo-3-Chloropropane	DCB	Ave	+++++ 46059	+++++ 101437	3763 203812	6872	14926	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,4-Trichlorobenzene	DCB	Ave	+++++ 373025	12984 936926	29950 1542927	66692	140091	+++++ 50.0	2.00 100	5.00 200	10.0	20.0
Hexachlorobutadiene	DCB	Ave	+++++ 254369	+++++ 680766	24573 946254	49853	108129	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
Naphthalene	DCB	Lin	+++++ 612493	+++++ 1442675	39244 2718733	87027	190276	+++++ 50.0	+++++ 100	5.00 200	10.0	20.0
1,2,3-Trichlorobenzene	DCB	Ave	+++++ 314156	11272 756107	24862 1279716	51934	114874	+++++ 50.0	2.00 100	5.00 200	10.0	20.0

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8876.D
Lims ID: STD1 Client ID:
Inject. Date: 21-Oct-2013 17:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 19
Lims Batch ID: 196983 Lims Sample ID: 11
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:09 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:11:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	82	397839	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1385352	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	87	303431	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.921	12.921	0.0	96	389952	50.0	
25 Dichlorodifluoromethane	85	4.132	4.132	0.0	90	18522	3.80	
27 Chloromethane	50	4.358	4.358	0.0	99	17617	1.30	
28 Vinyl chloride	62	4.514	4.514	0.0	97	19379	1.51	
147 Butadiene	54	4.532	4.532	0.0	93	9612	0.9732	
31 Bromomethane	94	4.897	4.897	0.0	85	9727	1.14	
32 Chloroethane	64	4.967	4.967	0.0	77	7979	1.08	
33 Dichlorofluoromethane	67	5.124	5.124	0.0	81	22582	1.10	
34 Trichlorofluoromethane	101	5.211	5.211	0.0	83	20147	1.33	
37 Ethyl ether	59	5.402	5.402	0.0	90	6835	1.46	A
40 Acrolein	56		5.547					
41 Acetone	43	5.663	5.663	0.0	89	32685	3.98	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.663	5.663	0.0	65	10138	1.27	A
45 1,1-Dichloroethene	96	5.698	5.698	0.0	93	10497	1.28	
46 Iodomethane	142	5.890	5.890	0.0	97	19640	1.16	
48 Methyl acetate	43	5.907	5.907	0.0	78	28711	7.96	
49 3-Chloro-1-propene	41	5.959	5.959	0.0	49	24489	1.28	
51 Carbon disulfide	76	5.994	5.994	0.0	98	45226	1.16	
50 2-Methyl-2-propanol	59	6.029	6.029	0.0	56	8629	18.3	
52 Methylene Chloride	84	6.064	6.064	0.0	97	29377	3.37	
53 Acrylonitrile	53	6.238	6.238	0.0	97	18246	12.0	
54 Methyl tert-butyl ether	73	6.255	6.255	0.0	89	16820	1.22	
55 trans-1,2-Dichloroethene	96	6.307	6.307	0.0	93	10540	1.12	
56 Hexane	57	6.481	6.481	0.0	87	20314	1.29	
57 Vinyl acetate	43	6.568	6.568	0.0	89	28449	2.83	
59 1,1-Dichloroethane	63	6.655	6.655	0.0	97	22153	1.17	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.056	7.056	0.0	88	26156	9.47	
64 sec-Butyl Alcohol	45	7.108	7.108	0.0	80	15148	38.4	
65 cis-1,2-Dichloroethene	96	7.108	7.108	0.0	84	11368	1.29	
67 2,2-Dichloropropane	77	7.143	7.143	0.0	82	15375	1.10	
70 Chloroform	83	7.334	7.334	0.0	89	18481	1.17	
69 Chlorobromomethane	128	7.334	7.334	0.0	87	5420	1.42	
71 Tetrahydrofuran	42	7.369	7.369	0.0	20	4728	3.87	
73 1,1,1-Trichloroethane	97	7.578	7.578	0.0	82	17262	1.26	
74 Cyclohexane	56	7.648	7.648	0.0	93	21264	1.14	
72 Isobutyl alcohol	41	7.648	7.648	0.0	30	19354	36.3	
75 1,1-Dichloropropene	75	7.682	7.682	0.0	85	18161	1.34	
76 Carbon tetrachloride	117	7.717	7.717	0.0	84	15409	1.12	
77 1,2-Dichloroethane	62	7.856	7.856	0.0	86	11014	1.17	
79 Benzene	78	7.874	7.874	0.0	97	37533	1.11	
14 n-Heptane	43	7.961	7.961	0.0	86	21411	1.06	
81 Trichloroethene	130	8.396	8.396	0.0	92	11788	1.14	
82 2-Pentanone	43	8.431	8.431	0.0	84	21594	4.28	
84 1,2-Dichloropropane	63	8.605	8.605	0.0	67	14012	1.56	
85 Methylcyclohexane	55	8.605	8.605	0.0	83	17998	1.14	
86 1,4-Dioxane	88	8.657	8.657	0.0	20	2463	55.1	
87 Dibromomethane	93	8.709	8.709	0.0	83	5033	1.32	
88 Dichlorobromomethane	83	8.796	8.796	0.0	86	11945	1.15	
89 2-Chloroethyl vinyl ether	63	8.936	8.936	0.0	14	5307	2.72	
91 cis-1,3-Dichloropropene	75	9.162	9.162	0.0	71	13410	1.21	
92 4-Methyl-2-pentanone (MIBK)	43	9.231	9.231	0.0	91	20592	11.5	
93 Toluene	91	9.510	9.510	0.0	88	33454	1.06	
94 Ethyl methacrylate	69	9.614	9.614	0.0	79	5463	1.06	
95 trans-1,3-Dichloropropene	75	9.632	9.632	0.0	94	12174	1.41	
96 1,1,2-Trichloroethane	97	9.841	9.841	0.0	85	6140	1.40	
97 2-Hexanone	43		9.981					2
98 1,3-Dichloropropane	76	10.015	10.015	0.0	88	10066	1.12	
99 Tetrachloroethene	164	10.050	10.050	0.0	92	8953	1.12	
100 Chlorodibromomethane	129	10.258	10.258	0.0	67	7229	1.12	
102 Ethylene Dibromide	107	10.415	10.415	0.0	80	5653	1.19	
103 1-Chlorohexane	91	10.676	10.676	0.0	88	12208	1.06	
104 Chlorobenzene	112	10.798	10.798	0.0	74	22704	1.10	
105 Ethylbenzene	106	10.850	10.850	0.0	91	10182	0.9313	
106 1,1,1,2-Tetrachloroethane	131	10.850	10.850	0.0	34	8162	1.09	
107 m-Xylene & p-Xylene	91	10.937	10.937	0.0	98	27366	1.03	
108 Styrene	104	11.303	11.303	0.0	76	15028	0.9144	
109 o-Xylene	106	11.303	11.303	0.0	88	13544	1.12	
110 Bromoform	173	11.546	11.546	0.0	63	3569	1.08	
111 Isopropylbenzene	105	11.616	11.616	0.0	97	32826	1.06	
113 Cyclohexanone	55	11.755	11.755	0.0	85	7544	29.4	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.860	0.0	49	8309	1.84	
115 trans-1,4-Dichloro-2-butene	53	11.895	11.895	0.0	25	4623	3.73	
116 1,2,3-Trichloropropane	110		11.930					149
118 Bromobenzene	156	11.982	11.982	0.0	61	8380	1.14	
117 N-Propylbenzene	120	11.982	11.982	0.0	92	8740	1.03	
119 1,3,5-Trimethylbenzene	105	12.121	12.121	0.0	86	23440	1.01	
120 2-Chlorotoluene	126	12.138	12.138	0.0	85	8794	1.14	
121 4-Chlorotoluene	126	12.225	12.225	0.0	94	8750	1.18	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.469	12.469	0.0	91	26556	1.06	
123 1,2,4-Trimethylbenzene	105	12.504	12.504	0.0	92	24584	1.06	
124 sec-Butylbenzene	134	12.782	12.782	0.0	33	7387	1.10	
125 4-Isopropyltoluene	119	12.782	12.782	0.0	90	28226	1.02	
126 1,3-Dichlorobenzene	146	12.852	12.852	0.0	63	16814	1.18	
128 1,4-Dichlorobenzene	146	12.939	12.939	0.0	76	17171	1.24	
129 n-Butylbenzene	91	13.200	13.200	0.0	93	30116	1.21	
130 1,2-Dichlorobenzene	146	13.357	13.357	0.0	86	14292	1.21	
131 1,2-Dibromo-3-Chloropropane	157		14.193					
132 1,2,4-Trichlorobenzene	180	15.254	15.254	0.0	81	7783	1.26	
133 Hexachlorobutadiene	225	15.428	15.428	0.0	79	6036	1.35	
134 Naphthalene	128	15.654	15.654	0.0	70	10586	1.55	
135 1,2,3-Trichlorobenzene	180	16.020	16.020	0.0	70	6322	1.24	
S 136 Trihalomethanes, Total	1				0		4.51	
S 137 Xylenes, Total (URS)	1				0		2.15	
S 138 Total BTEX	1				0		5.26	
S 139 1,3-Dichloropropene, Total	1				0		2.62	
S 140 1,2-Dichloroethene, Total	1				0		2.41	
S 141 Xylenes, Total	106				0		2.15	
S 142 1,2-Dichloroethene, Total (URS)	96				0		2.41	

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
4 - Failed Signal Ratio Test
9 - Failed A Reference Spectral Test

Review Flags
A - User Assigned ID

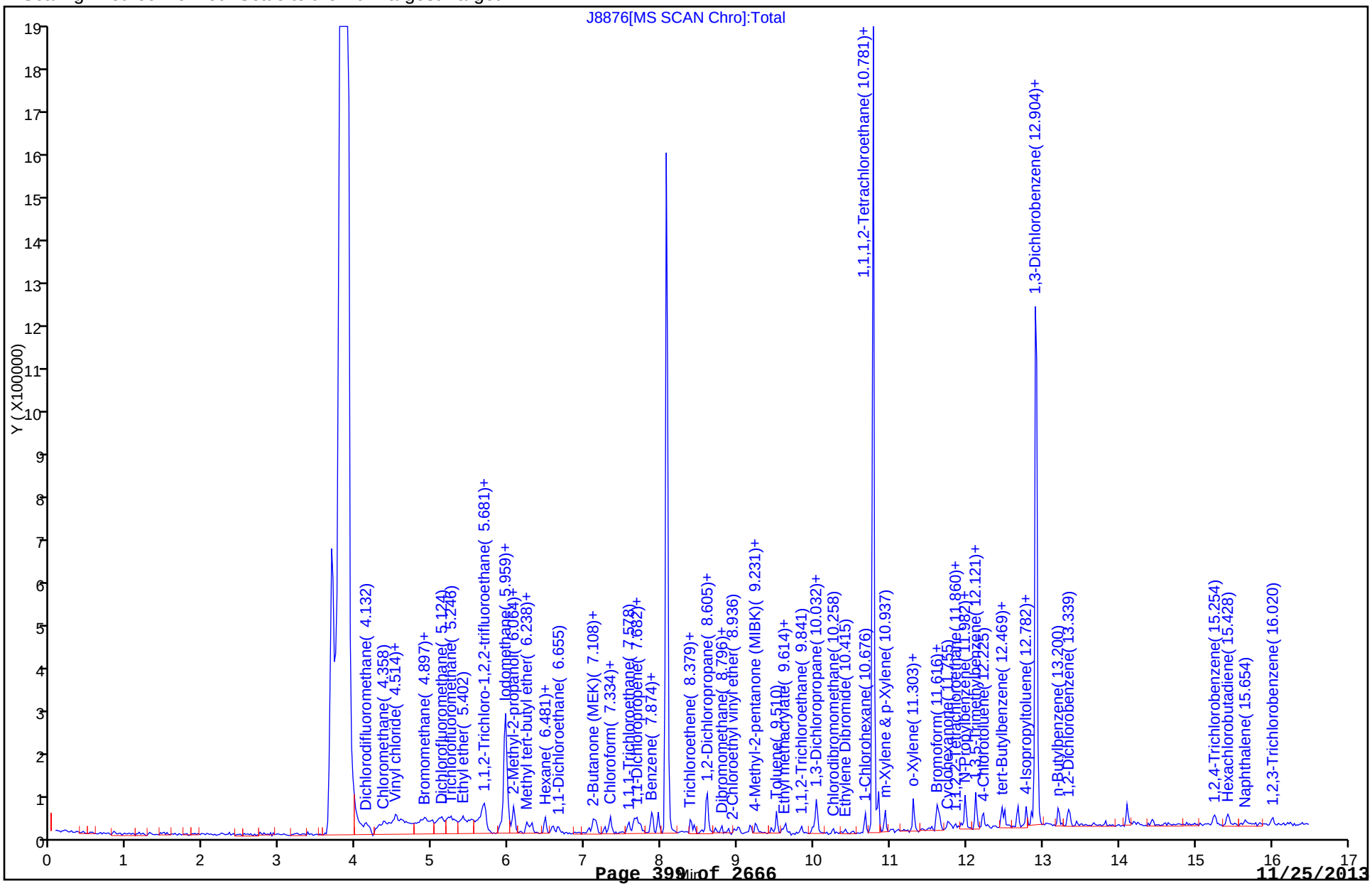
Report Date: 21-Oct-2013 23:37:09 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8876.D

Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



Manual Integration/User Assign Peak Report

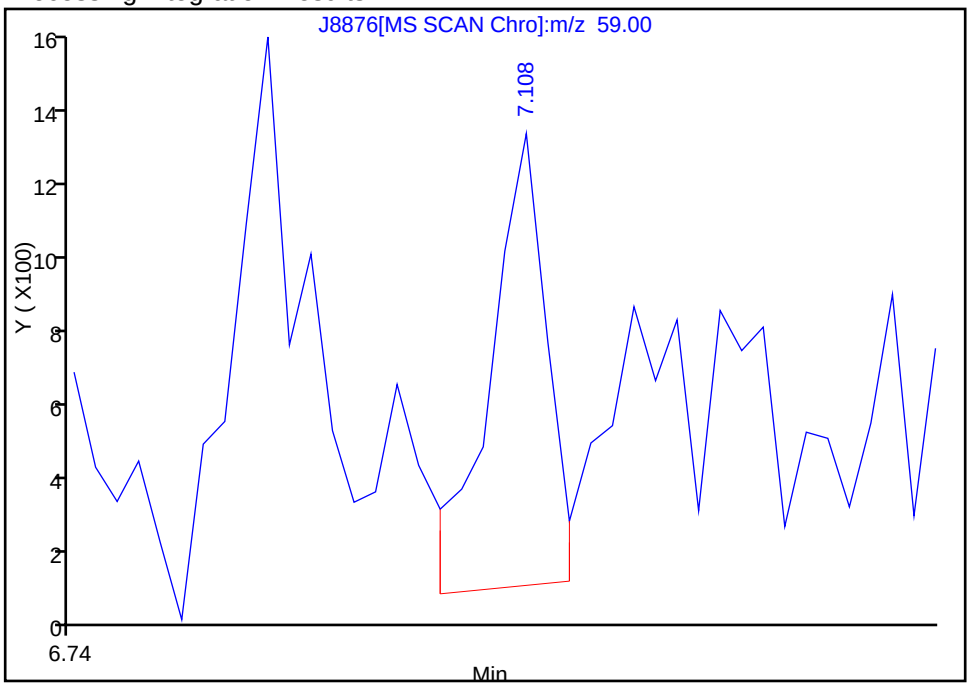
TestAmerica Denver

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Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

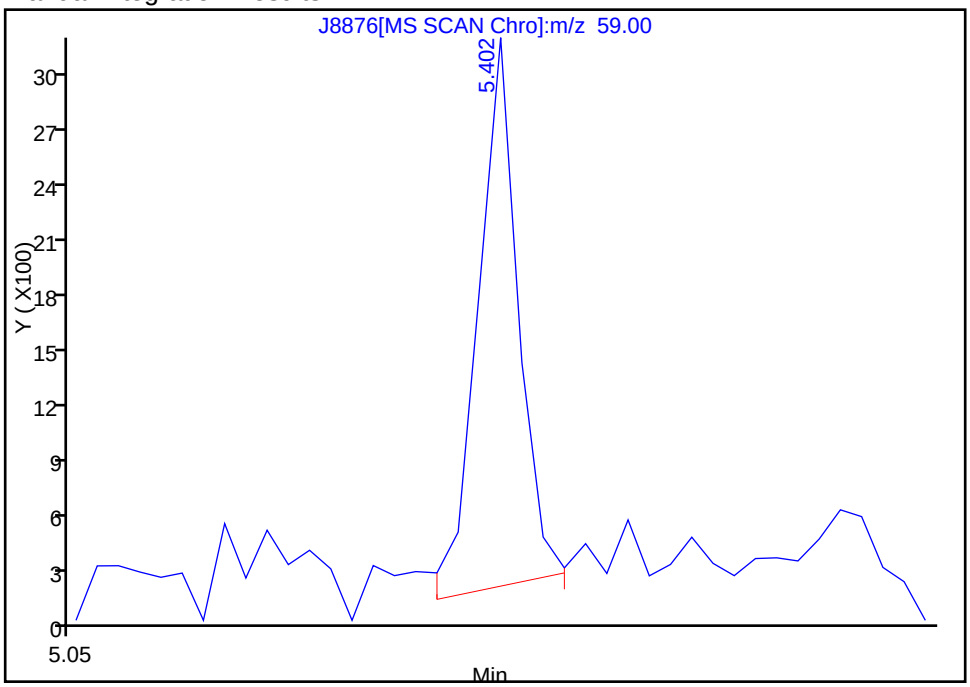
Processing Integration Results

RT: 7.11
Response: 3851
Amount: 0.823905



Manual Integration Results

RT: 5.40
Response: 6835
Amount: 1.458165



Reviewer: dukesa, 21-Oct-2013 19:52:11
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

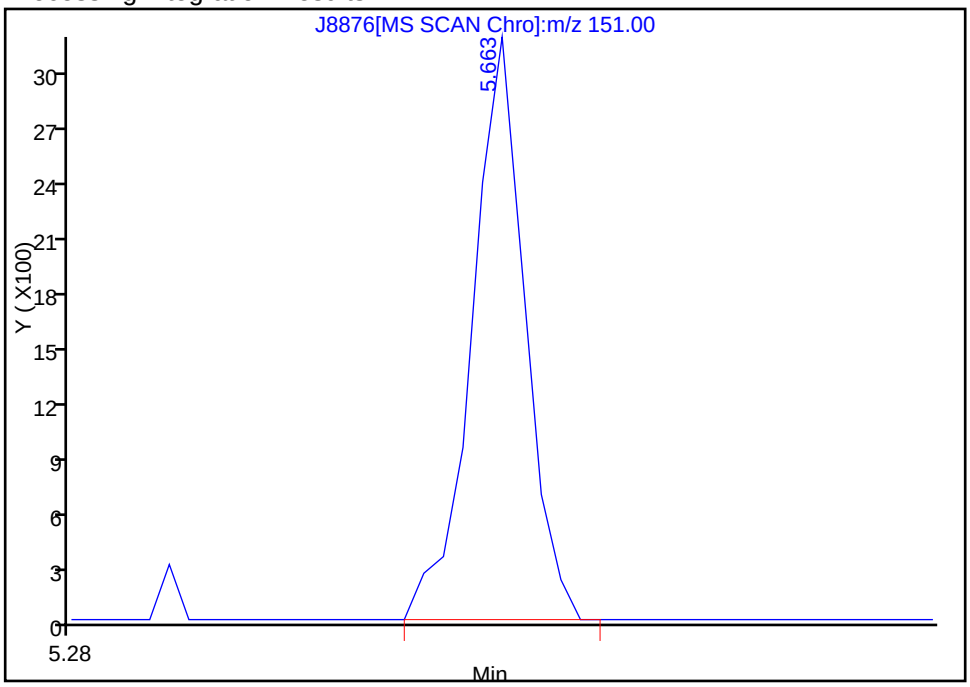
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8876.D		
Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

42 1,1,2-Trichloro-1,2,2-trifluoroethane, Signal: 1, m/z: 151.0 Type: quant, RT: 5.66

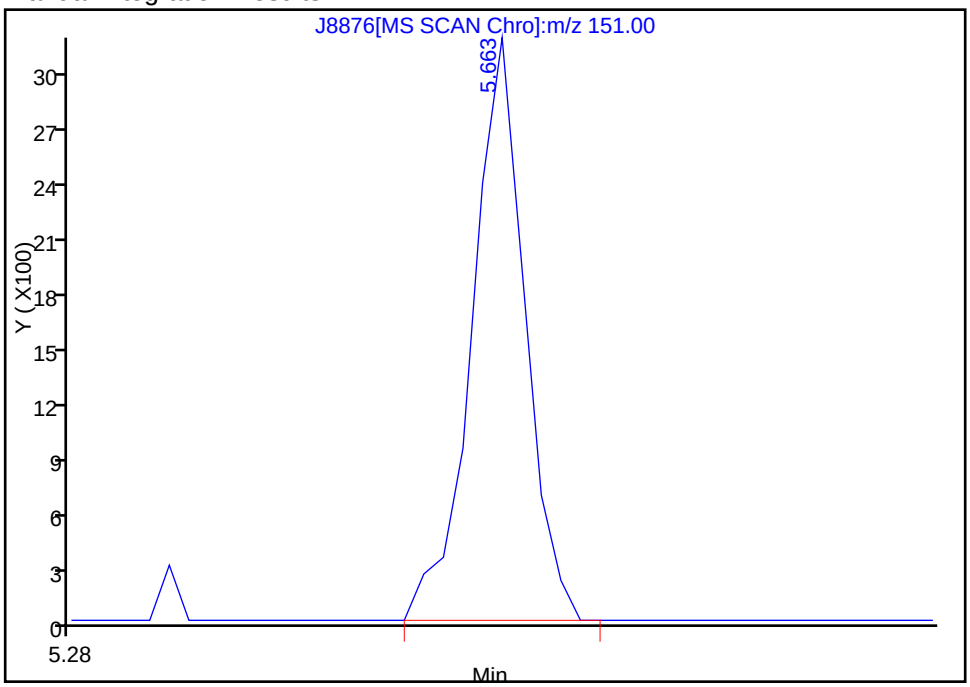
Processing Integration Results

RT: 5.66
Response: 10138
Amount: 1.196266



Manual Integration Results

RT: 5.66
Response: 10138
Amount: 1.272677



Reviewer: dukesa, 21-Oct-2013 19:48:25
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

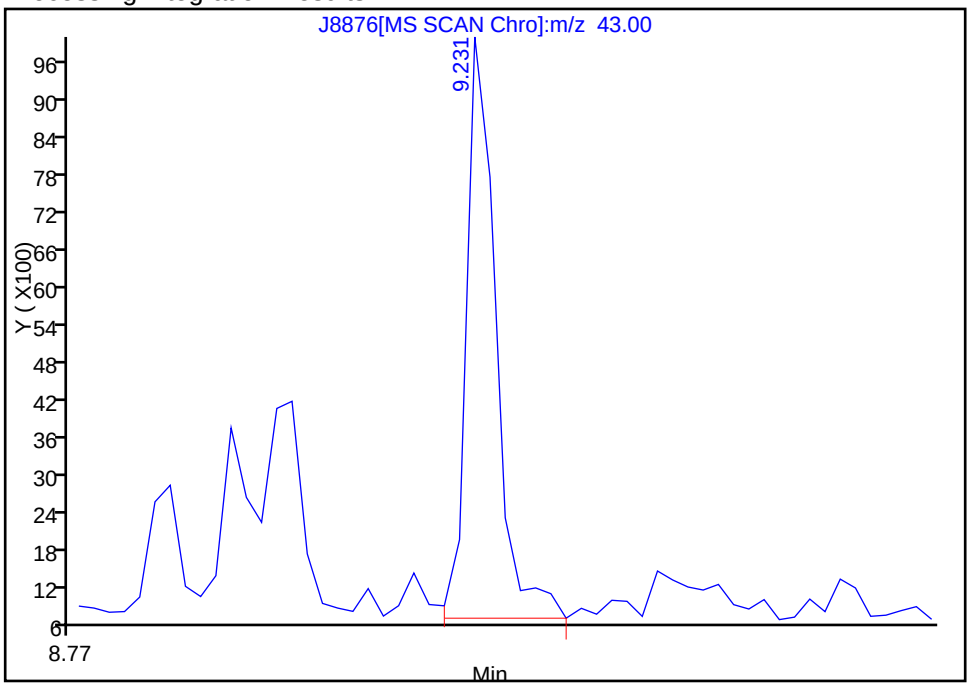
TestAmerica Denver

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Injection Date:	21-Oct-2013 17:32:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	11
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

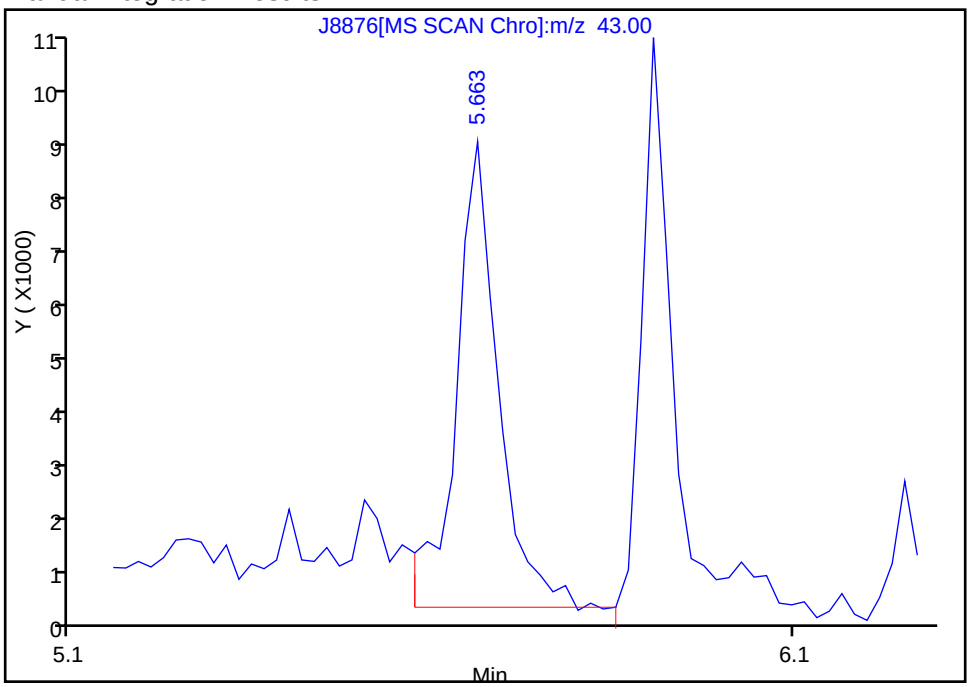
Processing Integration Results

RT: 9.23
Response: 21696
Amount: 0.936240



Manual Integration Results

RT: 5.66
Response: 32685
Amount: 3.981027



Reviewer: dukesa, 21-Oct-2013 19:48:25
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Lims ID:	STD2	Client ID:	
Inject. Date:	21-Oct-2013 17:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	20
Lims Batch ID:	196983	Lims Sample ID:	12
Sublist:	chrom-SO_VMSJ_8260*sub56		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:10	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: dukesa		Date:	21-Oct-2013 18:35:39

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.961	5.961	0.0	84	403523	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1413405	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	85	298891	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	97	387054	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	92	25193	4.26	
27 Chloromethane	50	4.359	4.359	0.0	100	31464	2.27	
28 Vinyl chloride	62	4.516	4.516	0.0	98	30259	2.31	
147 Butadiene	54	4.533	4.533	0.0	93	19771	1.96	
31 Bromomethane	94	4.899	4.899	0.0	88	18635	2.14	
32 Chloroethane	64	4.968	4.968	0.0	91	16761	2.23	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	88	43398	2.07	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	97	34985	2.27	
37 Ethyl ether	59	5.404	5.404	0.0	87	10863	2.27	A
40 Acrolein	56		5.547					39
41 Acetone	43	5.665	5.665	0.0	88	38069	8.27	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.665	5.665	0.0	76	18318	2.25	
45 1,1-Dichloroethene	96	5.699	5.699	0.0	98	19368	2.32	A
46 Iodomethane	142	5.891	5.891	0.0	94	35322	2.04	
48 Methyl acetate	43	5.908	5.908	0.0	88	48146	13.1	
49 3-Chloro-1-propene	41	5.961	5.961	0.0	51	47710	2.44	
51 Carbon disulfide	76	5.978	5.978	0.0	99	84228	2.11	
50 2-Methyl-2-propanol	59	6.013	6.013	0.0	67	12727	26.6	
52 Methylene Chloride	84	6.065	6.065	0.0	88	33822	3.80	
53 Acrylonitrile	53	6.222	6.222	0.0	96	31967	20.6	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	93	32334	2.30	
55 trans-1,2-Dichloroethene	96	6.309	6.309	0.0	95	21767	2.27	
56 Hexane	57	6.483	6.483	0.0	89	34085	2.20	
57 Vinyl acetate	43	6.570	6.570	0.0	97	44174	4.31	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	98	40567	2.10	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	97	33356	11.8	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	78	22576	56.4	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	87	19051	2.12	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	93	30345	2.12	
70 Chloroform	83	7.336	7.336	0.0	93	34626	2.15	
69 Chlorobromomethane	128	7.318	7.318	0.0	84	8336	2.14	
71 Tetrahydrofuran	42	7.353	7.353	0.0	72	5379	4.32	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	84	31447	2.25	
74 Cyclohexane	56	7.649	7.649	0.0	95	38522	2.02	
72 Isobutyl alcohol	41	7.649	7.649	0.0	35	25164	46.5	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	89	28192	2.03	
76 Carbon tetrachloride	117	7.719	7.719	0.0	85	29072	2.06	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	93	20973	2.18	
79 Benzene	78	7.875	7.875	0.0	98	70824	2.06	
14 n-Heptane	43	7.962	7.962	0.0	94	40232	1.95	
81 Trichloroethene	130	8.380	8.380	0.0	92	22430	2.12	
82 2-Pentanone	43	8.432	8.432	0.0	87	43111	8.38	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	70	23902	2.61	
85 Methylcyclohexane	55	8.589	8.589	0.0	86	32374	2.02	
86 1,4-Dioxane	88	8.658	8.658	0.0	49	4209	92.2	
87 Dibromomethane	93	8.711	8.711	0.0	83	9705	2.50	
88 Dichlorobromomethane	83	8.798	8.798	0.0	92	23152	2.18	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	72	4336	2.18	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	81	21059	1.93	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	94	38388	14.5	
93 Toluene	91	9.511	9.511	0.0	89	64525	2.01	
94 Ethyl methacrylate	69	9.616	9.616	0.0	77	9792	1.94	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	93	16035	1.79	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	88	12484	2.80	
97 2-Hexanone	43	9.981	9.981	0.0	95	27206	8.79	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	92	20314	2.29	
99 Tetrachloroethene	164	10.034	10.034	0.0	89	17104	2.17	
100 Chlorodibromomethane	129	10.260	10.260	0.0	78	13051	2.05	
102 Ethylene Dibromide	107	10.399	10.399	0.0	84	10504	2.25	
103 1-Chlorohexane	91	10.678	10.678	0.0	83	20162	1.77	
104 Chlorobenzene	112	10.799	10.799	0.0	87	44295	2.18	
105 Ethylbenzene	106	10.852	10.852	0.0	92	22358	2.08	
106 1,1,1,2-Tetrachloroethane	131	10.852	10.852	0.0	36	15526	2.10	
107 m-Xylene & p-Xylene	91	10.939	10.939	0.0	99	49614	1.89	
108 Styrene	104	11.304	11.304	0.0	77	28204	1.74	
109 o-Xylene	106	11.304	11.304	0.0	85	23124	1.94	
110 Bromoform	173	11.548	11.548	0.0	77	6580	2.01	
111 Isopropylbenzene	105	11.617	11.617	0.0	95	62009	2.02	
113 Cyclohexanone	55	11.757	11.757	0.0	88	16745	66.3	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	77	9878	2.21	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	29	2800	2.27	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	50	3482	3.01	
118 Bromobenzene	156	11.983	11.983	0.0	50	14931	2.05	
117 N-Propylbenzene	120	11.983	11.983	0.0	93	16784	2.00	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	86	42194	1.84	
120 2-Chlorotoluene	126	12.122	12.122	0.0	88	16232	2.13	
121 4-Chlorotoluene	126	12.227	12.227	0.0	95	14197	1.94	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	91	47910	1.92	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	97	44349	1.93	
124 sec-Butylbenzene	134	12.679	12.679	0.0	90	12973	1.95	
125 4-Isopropyltoluene	119	12.784	12.784	0.0	89	48809	1.78	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	86	29707	2.10	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	82	31459	2.29	
129 n-Butylbenzene	91	13.201	13.201	0.0	94	48118	1.95	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	97	24538	2.09	
131 1,2-Dibromo-3-Chloropropane	157	14.194	14.194	0.0	47	1803	2.56	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	81	12984	2.11	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	81	10436	2.36	
134 Naphthalene	128	15.656	15.656	0.0	86	17372	2.24	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	81	11272	2.22	
S 136 Trihalomethanes, Total	1				0		8.39	
S 137 Xylenes, Total (URS)	1				0		3.83	
S 138 Total BTEX	1				0		9.98	
S 139 1,3-Dichloropropene, Total	1				0		3.71	
S 140 1,2-Dichloroethene, Total	1				0		4.39	
S 141 Xylenes, Total	106				0		3.83	
S 142 1,2-Dichloroethene, Total (URS)	96				0		4.39	

QC Flag Legend

Processing Flags
3 - Failed RT Window Test
9 - Failed A Reference Spectral Test

Review Flags
A - User Assigned ID

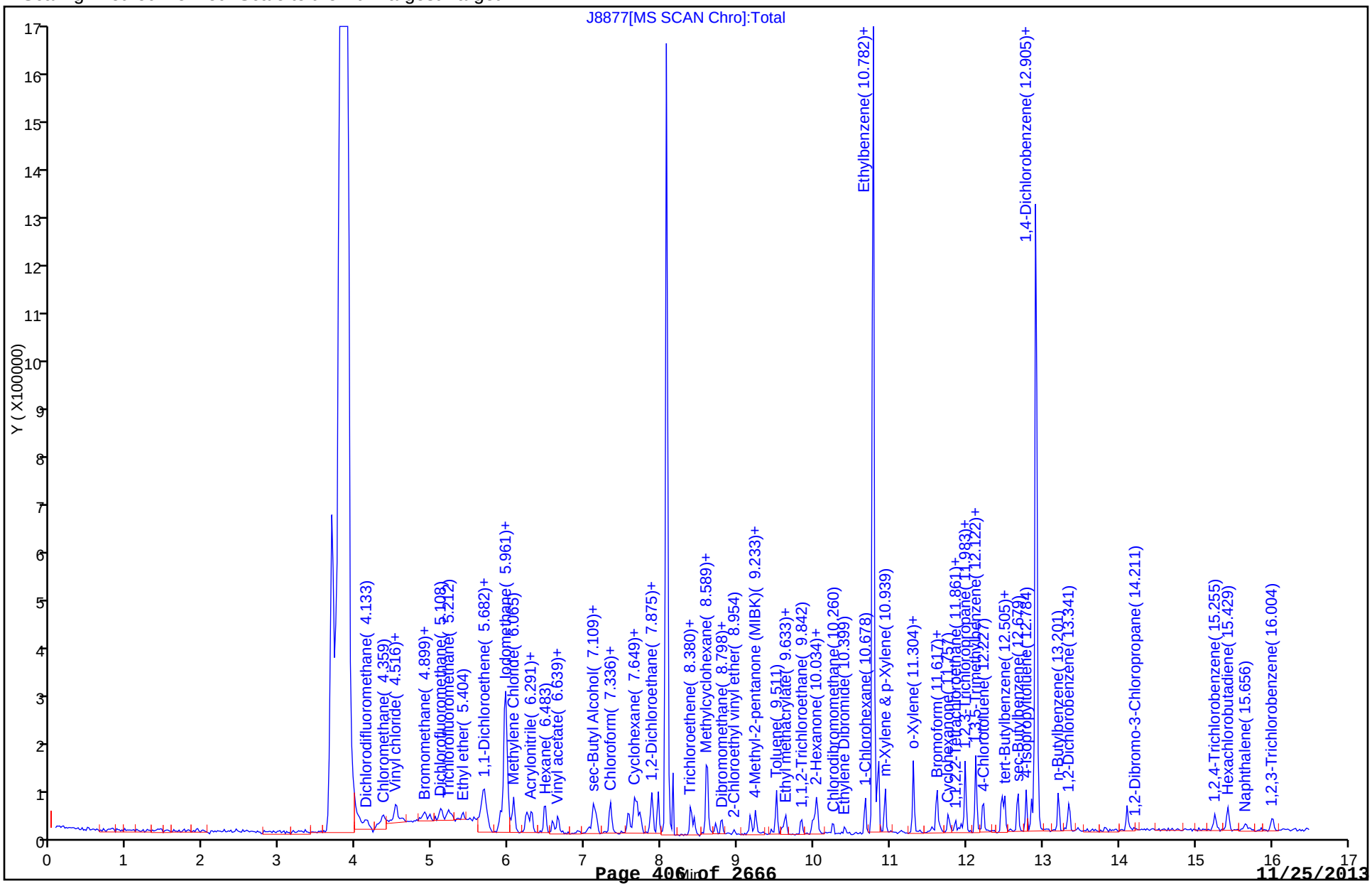
Report Date: 21-Oct-2013 23:37:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D

Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



Manual Integration/User Assign Peak Report

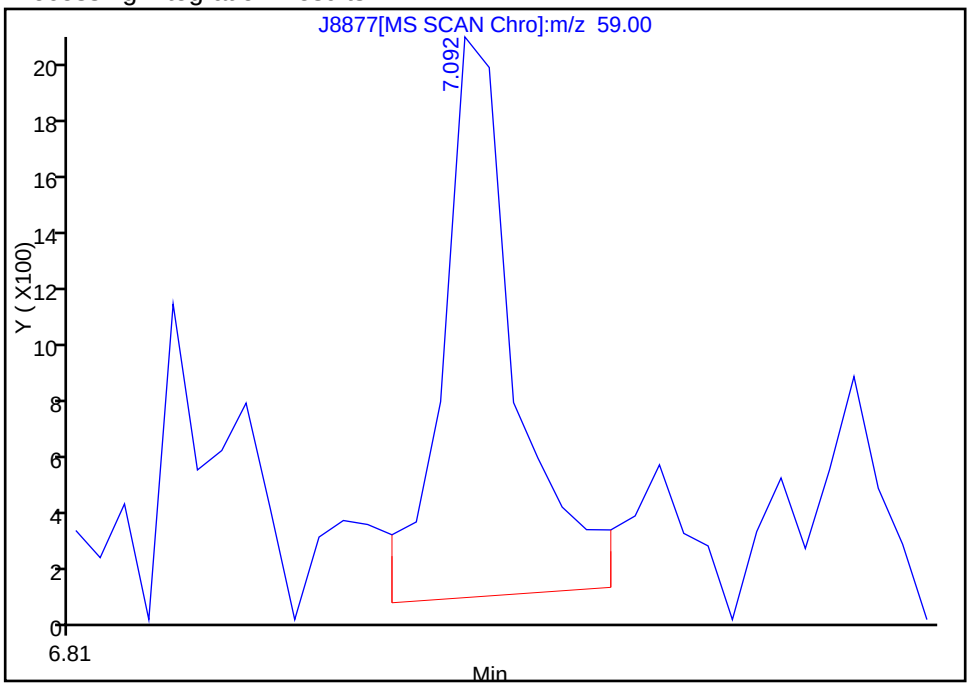
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

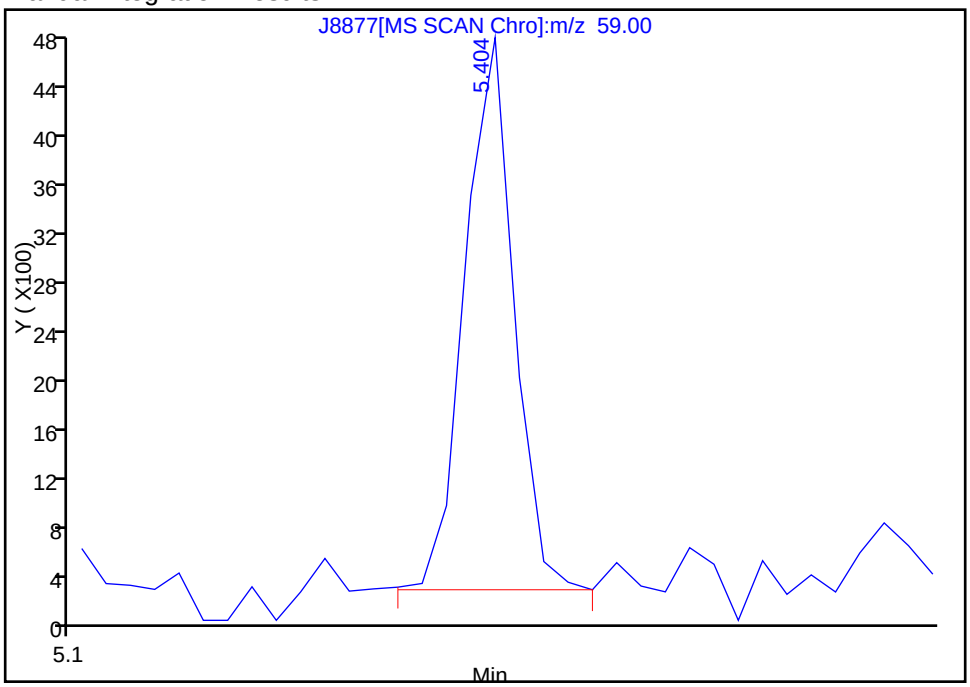
Processing Integration Results

RT: 7.09
Response: 7168
Amount: 1.606882



Manual Integration Results

RT: 5.40
Response: 10863
Amount: 2.271493



Reviewer: dukesa, 21-Oct-2013 19:51:52
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

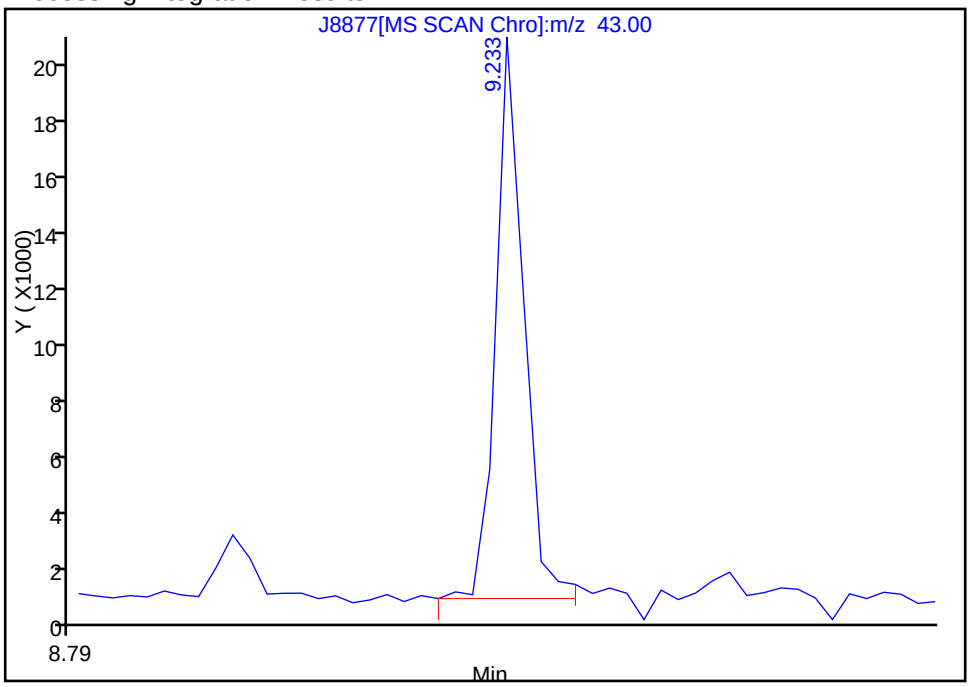
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

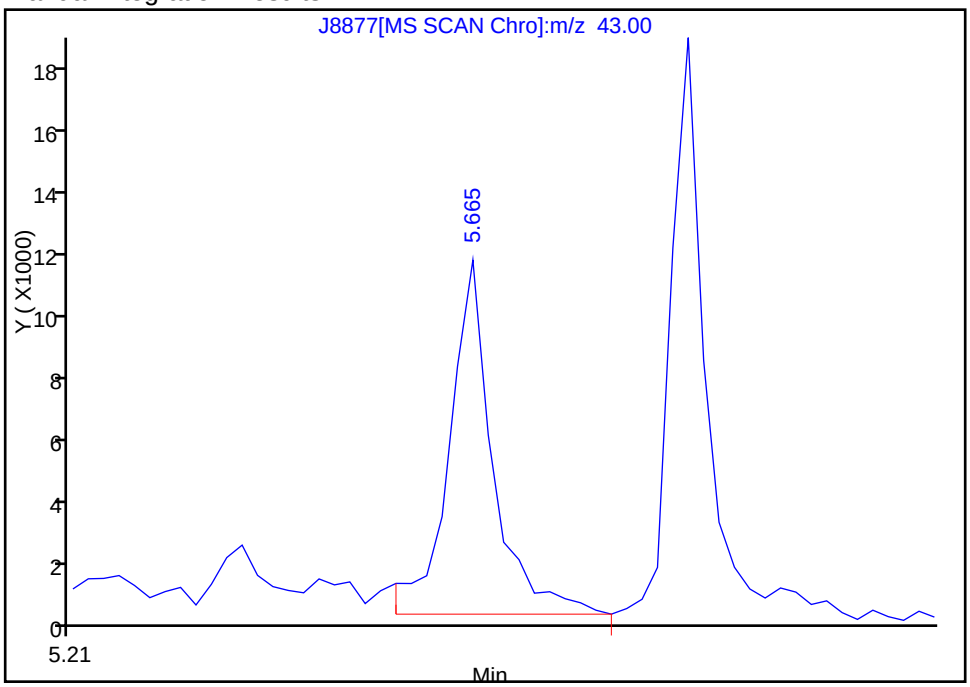
Processing Integration Results

RT: 9.23
Response: 38990
Amount: 14.020973



Manual Integration Results

RT: 5.66
Response: 38069
Amount: 8.267239



Reviewer: dukesa, 21-Oct-2013 19:47:49
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

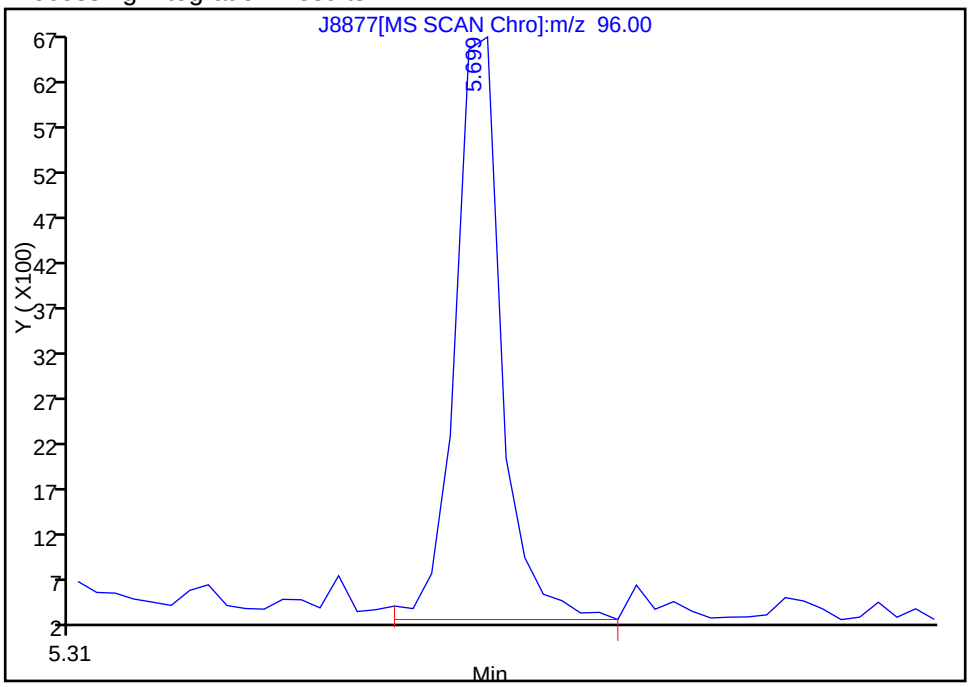
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8877.D		
Injection Date:	21-Oct-2013 17:54:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	12
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

45 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 5.70

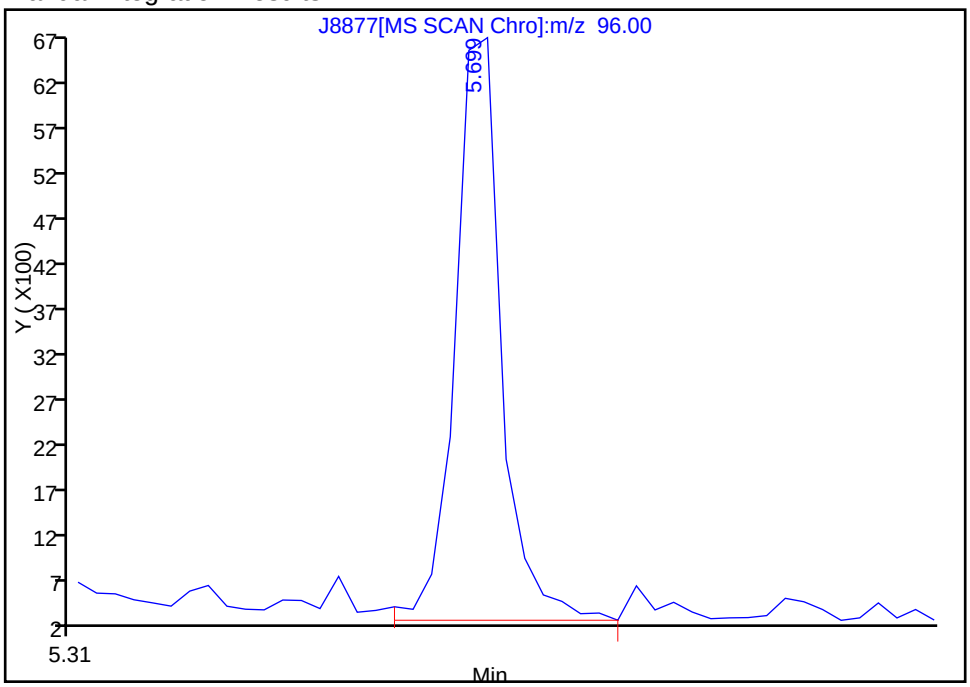
Processing Integration Results

RT: 5.70
Response: 19368
Amount: 2.171270



Manual Integration Results

RT: 5.70
Response: 19368
Amount: 2.318315



Reviewer: dukesa, 21-Oct-2013 19:47:49
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D
Lims ID: STD5 Client ID:
Inject. Date: 21-Oct-2013 18:15:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD5
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 21
Lims Batch ID: 196983 Lims Sample ID: 13
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:10 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:35:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.944	5.944	0.0	84	381135	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	97	1455946	50.0	
* 2 Chlorobenzene-d5	119	10.783	10.783	0.0	85	305843	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.906	12.906	0.0	96	410614	50.0	
25 Dichlorodifluoromethane	85	4.134	4.134	0.0	94	49426	5.95	
27 Chloromethane	50	4.360	4.360	0.0	98	67825	4.75	
28 Vinyl chloride	62	4.517	4.517	0.0	98	63757	4.72	
147 Butadiene	54	4.534	4.534	0.0	93	43136	4.16	
31 Bromomethane	94	4.899	4.899	0.0	93	41979	4.67	
32 Chloroethane	64	4.969	4.969	0.0	98	36367	4.69	
33 Dichlorofluoromethane	67	5.126	5.126	0.0	92	103395	4.80	
34 Trichlorofluoromethane	101	5.213	5.213	0.0	93	77359	4.87	
37 Ethyl ether	59	5.404	5.404	0.0	91	24208	4.91	A
40 Acrolein	56		5.547					
41 Acetone	43	5.665	5.665	0.0	89	51327	18.9	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.665	5.665	0.0	93	40232	4.81	
45 1,1-Dichloroethene	96	5.683	5.683	0.0	88	41505	4.82	A
46 Iodomethane	142	5.874	5.874	0.0	97	80318	4.50	
48 Methyl acetate	43	5.909	5.909	0.0	88	98460	26.0	
49 3-Chloro-1-propene	41	5.961	5.961	0.0	62	102107	5.07	
51 Carbon disulfide	76	5.979	5.979	0.0	99	187549	4.56	
50 2-Methyl-2-propanol	59	6.013	6.013	0.0	75	22726	50.3	
52 Methylene Chloride	84	6.066	6.066	0.0	90	56411	6.15	
53 Acrylonitrile	53	6.222	6.222	0.0	99	73674	46.1	
54 Methyl tert-butyl ether	73	6.257	6.257	0.0	98	65836	4.54	
55 trans-1,2-Dichloroethene	96	6.309	6.309	0.0	95	45544	4.60	
56 Hexane	57	6.483	6.483	0.0	92	72423	4.56	
57 Vinyl acetate	43	6.570	6.570	0.0	90	102559	9.72	
59 1,1-Dichloroethane	63	6.640	6.640	0.0	97	91937	4.63	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.058	7.058	0.0	98	58421	20.1	
65 cis-1,2-Dichloroethene	96	7.110	7.110	0.0	88	41662	4.51	
64 sec-Butyl Alcohol	45	7.093	7.093	0.0	97	48001	127.0	
67 2,2-Dichloropropane	77	7.145	7.145	0.0	93	66397	4.50	
70 Chloroform	83	7.336	7.336	0.0	96	75812	4.56	
69 Chlorobromomethane	128	7.336	7.336	0.0	85	19514	4.86	
71 Tetrahydrofuran	42	7.354	7.354	0.0	72	11964	9.32	
73 1,1,1-Trichloroethane	97	7.580	7.580	0.0	90	66218	4.60	
74 Cyclohexane	56	7.650	7.650	0.0	96	88592	4.51	
72 Isobutyl alcohol	41	7.650	7.650	0.0	43	60429	118.1	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	87	66458	4.65	
76 Carbon tetrachloride	117	7.719	7.719	0.0	86	66898	4.61	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	95	47850	4.82	
79 Benzene	78	7.876	7.876	0.0	98	164113	4.63	
14 n-Heptane	43	7.963	7.963	0.0	94	94388	4.45	
81 Trichloroethene	130	8.381	8.381	0.0	92	49078	4.50	
82 2-Pentanone	43	8.433	8.433	0.0	95	94384	17.8	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	72	47090	5.00	
85 Methylcyclohexane	55	8.589	8.589	0.0	86	74323	4.50	
86 1,4-Dioxane	88	8.659	8.659	0.0	75	5412	115.1	
87 Dibromomethane	93	8.711	8.711	0.0	84	18151	4.53	
88 Dichlorobromomethane	83	8.798	8.798	0.0	94	51143	4.68	
89 2-Chloroethyl vinyl ether	63	8.955	8.955	0.0	75	9972	4.86	
91 cis-1,3-Dichloropropene	75	9.164	9.164	0.0	79	51162	4.57	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	89	87824	22.7	
93 Toluene	91	9.512	9.512	0.0	91	145928	4.41	
94 Ethyl methacrylate	69	9.616	9.616	0.0	84	20693	4.00	
95 trans-1,3-Dichloropropene	75	9.634	9.634	0.0	97	40179	4.19	
96 1,1,2-Trichloroethane	97	9.843	9.843	0.0	93	23838	5.19	
97 2-Hexanone	43	9.982	9.982	0.0	95	55280	17.5	
98 1,3-Dichloropropane	76	10.017	10.017	0.0	96	41484	4.57	
99 Tetrachloroethene	164	10.034	10.034	0.0	89	37517	4.65	
100 Chlorodibromomethane	129	10.260	10.260	0.0	88	29764	4.57	
102 Ethylene Dibromide	107	10.400	10.400	0.0	90	23139	4.84	
103 1-Chlorohexane	91	10.678	10.678	0.0	89	49641	4.27	
104 Chlorobenzene	112	10.800	10.800	0.0	85	97680	4.71	
105 Ethylbenzene	106	10.852	10.852	0.0	94	51299	4.66	
106 1,1,1,2-Tetrachloroethane	131	10.852	10.852	0.0	32	35153	4.66	
107 m-Xylene & p-Xylene	91	10.939	10.939	0.0	99	119920	4.47	
108 Styrene	104	11.305	11.305	0.0	80	71377	4.31	
109 o-Xylene	106	11.305	11.305	0.0	87	53648	4.40	
110 Bromoform	173	11.548	11.548	0.0	91	14440	4.32	
111 Isopropylbenzene	105	11.618	11.618	0.0	96	149951	4.60	
113 Cyclohexanone	55	11.757	11.757	0.0	92	41560	160.9	
114 1,1,2,2-Tetrachloroethane	83	11.844	11.844	0.0	87	25017	5.27	
115 trans-1,4-Dichloro-2-butene	53	11.897	11.897	0.0	53	6595	5.05	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	67	6445	5.26	
118 Bromobenzene	156	11.984	11.984	0.0	59	37239	4.83	
117 N-Propylbenzene	120	11.984	11.984	0.0	94	40863	4.59	
119 1,3,5-Trimethylbenzene	105	12.123	12.123	0.0	85	112960	4.63	
120 2-Chlorotoluene	126	12.123	12.123	0.0	89	37961	4.69	
121 4-Chlorotoluene	126	12.227	12.227	0.0	96	37234	4.79	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.471	12.471	0.0	93	117677	4.46	
123 1,2,4-Trimethylbenzene	105	12.506	12.506	0.0	90	114307	4.68	
125 4-Isopropyltoluene	119	12.784	12.784	0.0	91	132172	4.56	
124 sec-Butylbenzene	134	12.680	12.680	0.0	91	31028	4.40	
126 1,3-Dichlorobenzene	146	12.854	12.854	0.0	91	70603	4.71	
128 1,4-Dichlorobenzene	146	12.941	12.941	0.0	85	67930	4.65	
129 n-Butylbenzene	91	13.202	13.202	0.0	95	116555	4.46	
130 1,2-Dichlorobenzene	146	13.359	13.359	0.0	97	57902	4.66	
131 1,2-Dibromo-3-Chloropropane	157	14.194	14.194	0.0	56	3763	5.03	
132 1,2,4-Trichlorobenzene	180	15.256	15.256	0.0	94	29950	4.60	
133 Hexachlorobutadiene	225	15.430	15.430	0.0	89	24573	5.23	
134 Naphthalene	128	15.656	15.656	0.0	95	39244	4.21	
135 1,2,3-Trichlorobenzene	180	16.022	16.022	0.0	89	24862	4.63	
S 136 Trihalomethanes, Total	1				0		18.1	
S 137 Xylenes, Total (URS)	1				0		8.87	
S 138 Total BTEX	1				0		22.6	
S 139 1,3-Dichloropropene, Total	1				0		8.76	
S 140 1,2-Dichloroethene, Total	1				0		9.11	
S 141 Xylenes, Total	106				0		8.87	
S 142 1,2-Dichloroethene, Total (URS)	96				0		9.11	

QC Flag Legend

Review Flags
A - User Assigned ID

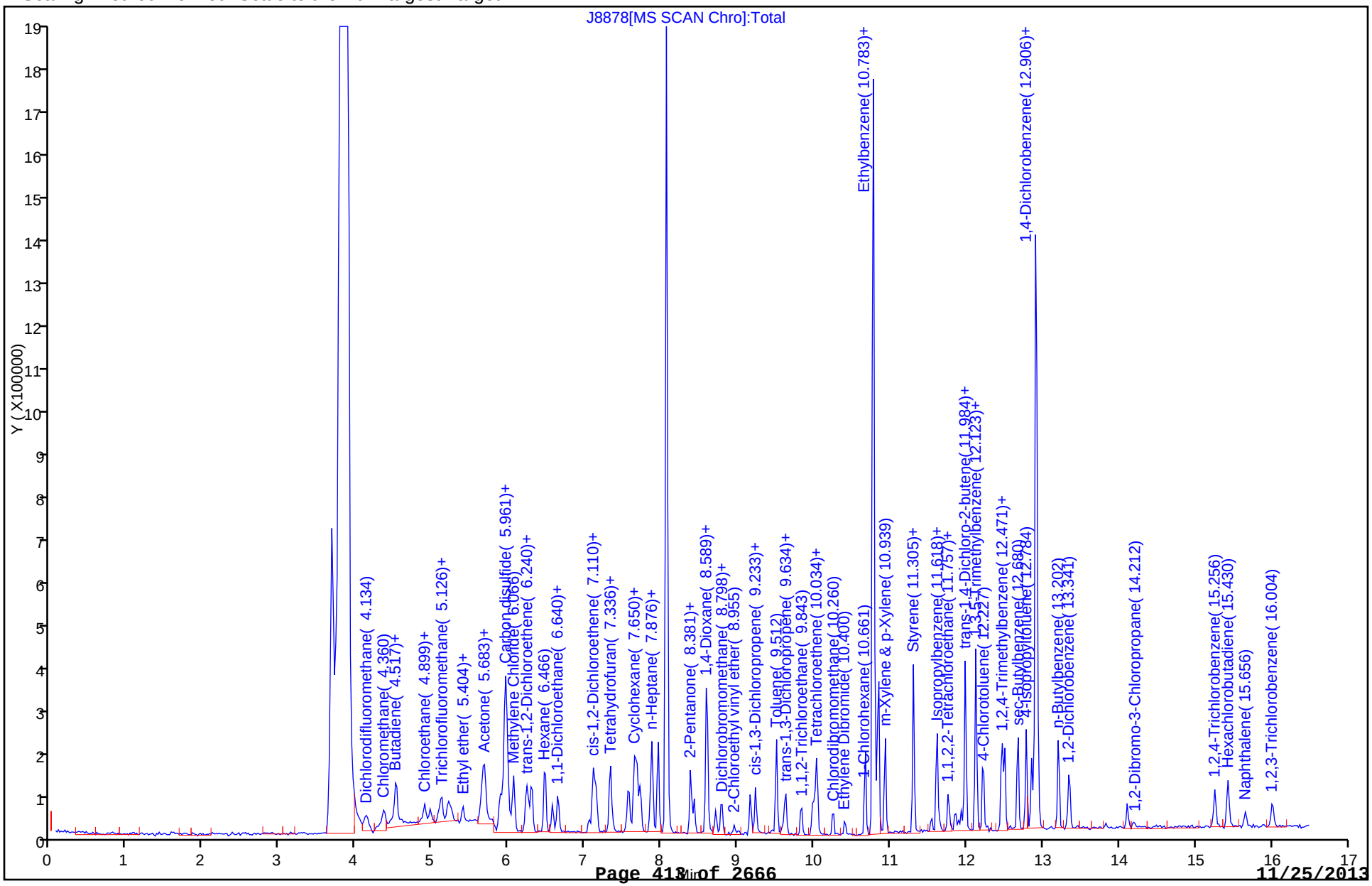
Report Date: 21-Oct-2013 23:37:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D

Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



Manual Integration/User Assign Peak Report

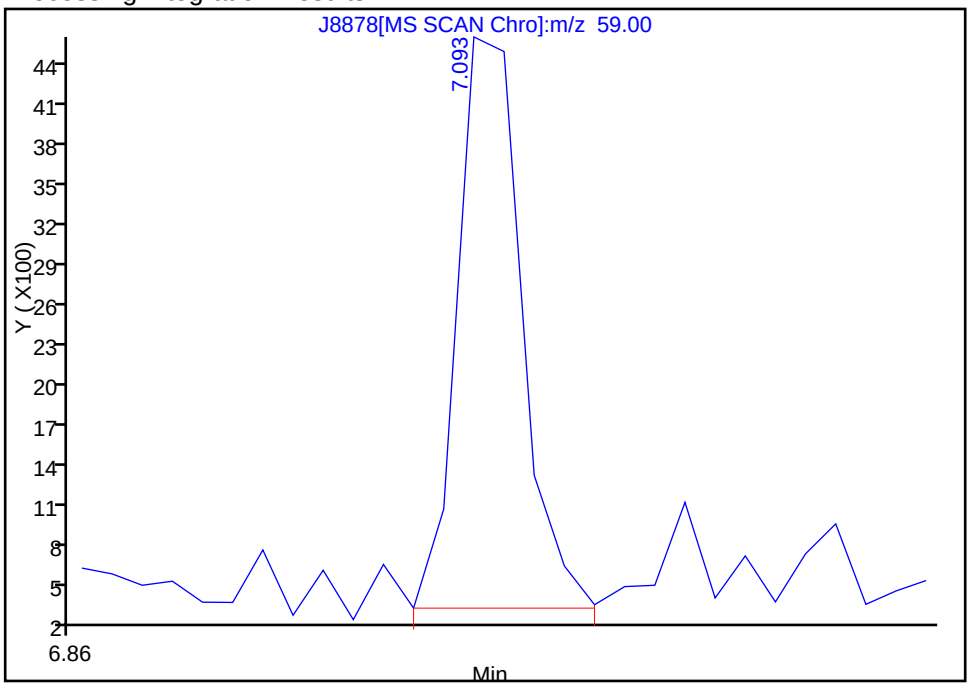
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D		
Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

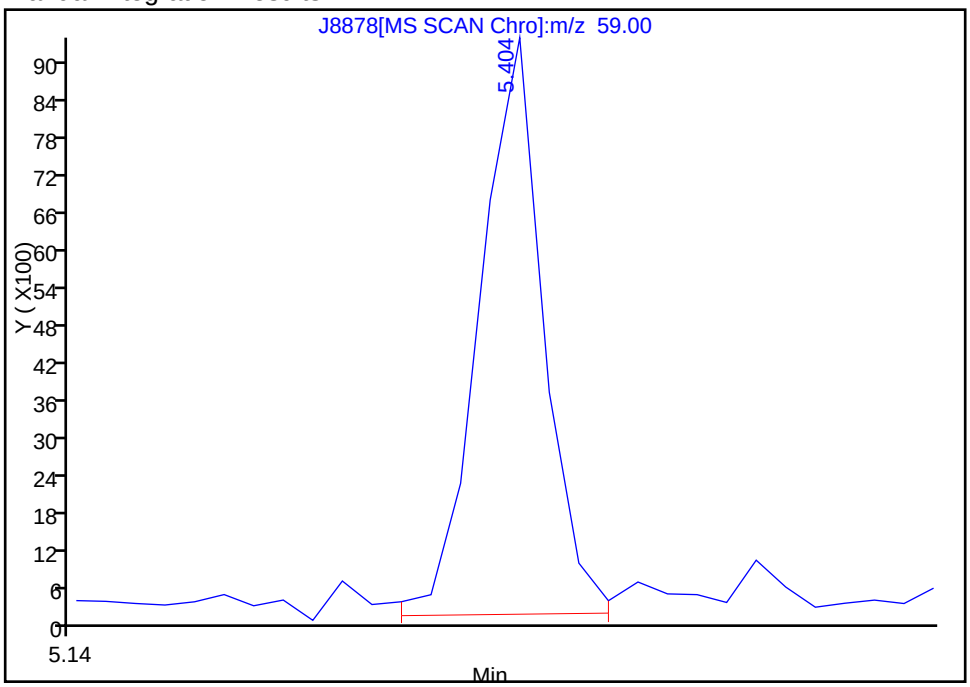
Processing Integration Results

RT: 7.09
Response: 10852
Amount: 3.219214



Manual Integration Results

RT: 5.40
Response: 24208
Amount: 4.914075



Reviewer: dukesa, 21-Oct-2013 19:51:36
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

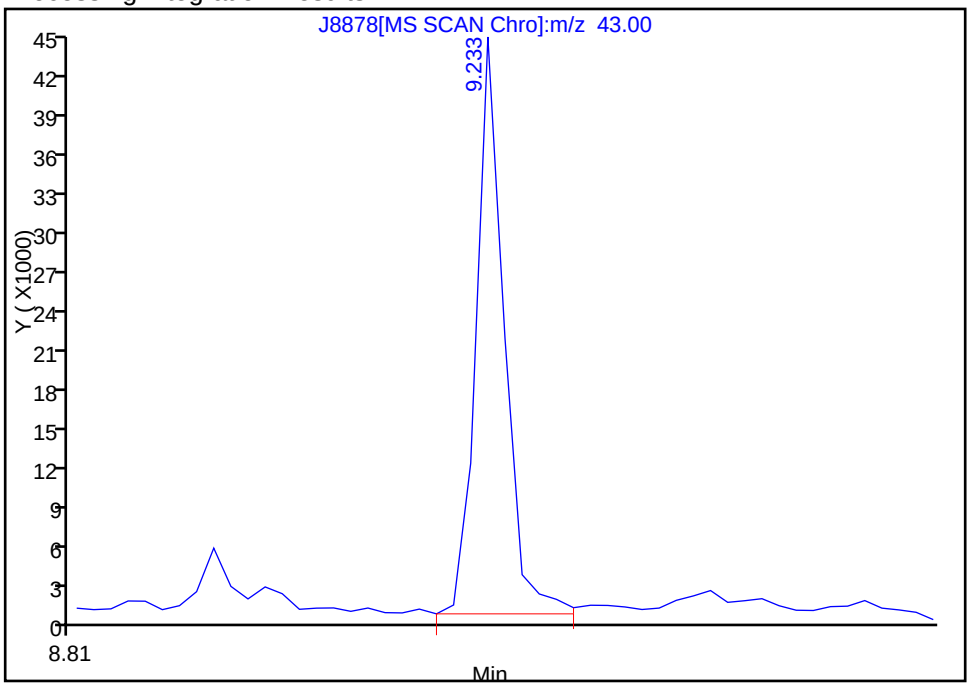
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D		
Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.67

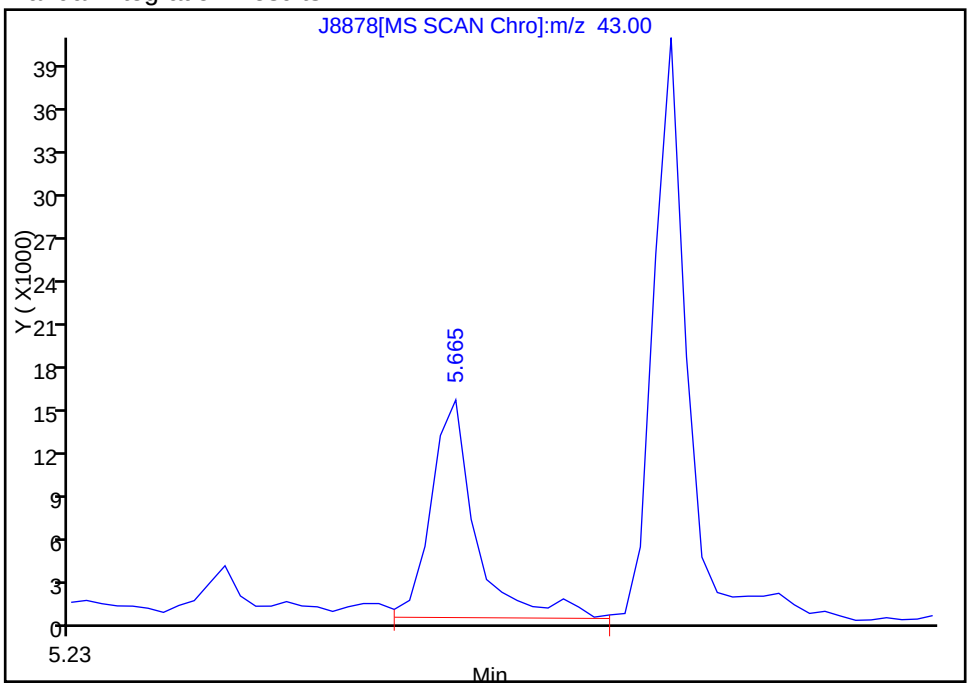
Processing Integration Results

RT: 9.23
Response: 87824
Amount: 26.538127



Manual Integration Results

RT: 5.67
Response: 51327
Amount: 18.940056



Reviewer: dukesa, 21-Oct-2013 19:47:16
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

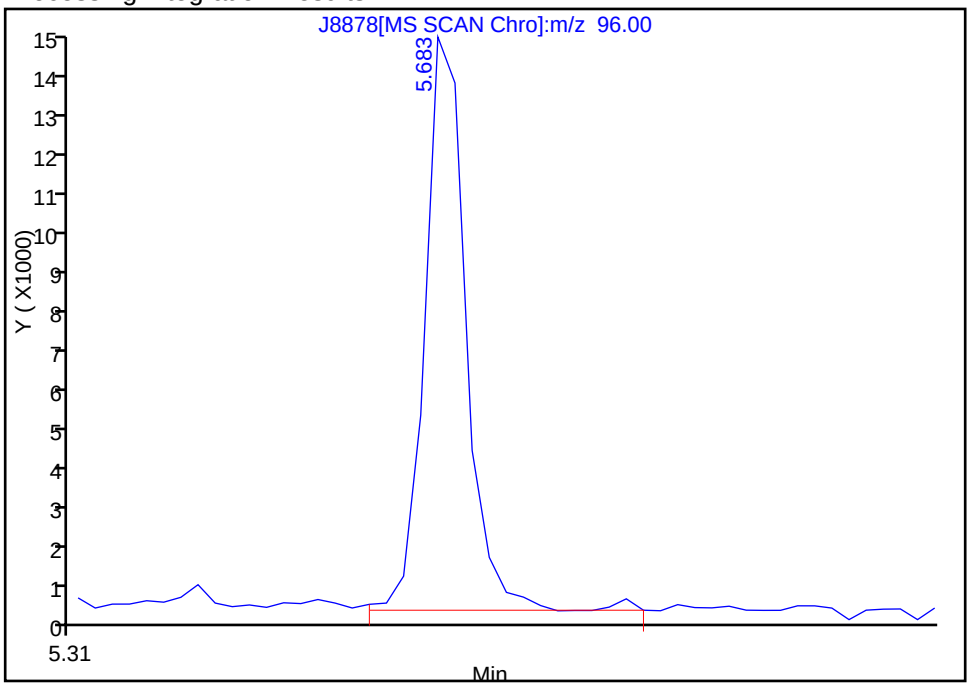
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8878.D		
Injection Date:	21-Oct-2013 18:15:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	13
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

45 1,1-Dichloroethene, Signal: 1, m/z: 96.0 Type: quant, RT: 5.68

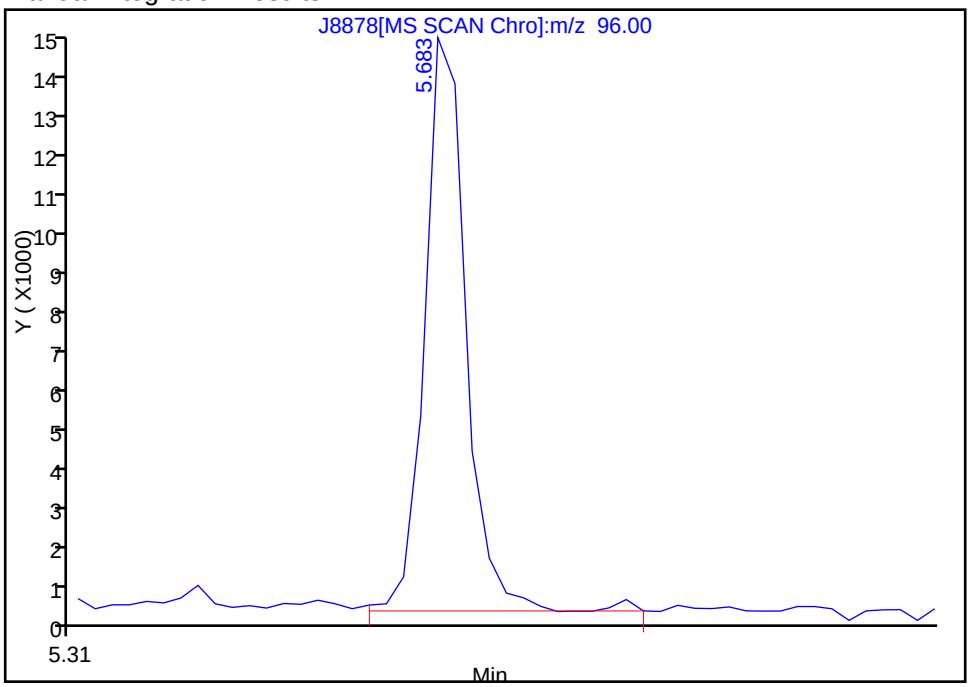
Processing Integration Results

RT: 5.68
Response: 41505
Amount: 4.517008



Manual Integration Results

RT: 5.68
Response: 41505
Amount: 4.822913



Reviewer: dukesa, 21-Oct-2013 19:47:16
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D
Lims ID: STD10 Client ID:
Inject. Date: 21-Oct-2013 18:37:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD10
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 22
Lims Batch ID: 196983 Lims Sample ID: 14
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:11 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:11:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.943	5.943	0.0	87	387583	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1429934	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	87	308089	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	96	417151	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	95	92209	9.14	
27 Chloromethane	50	4.359	4.359	0.0	100	127600	9.09	
28 Vinyl chloride	62	4.515	4.515	0.0	98	125501	9.46	
147 Butadiene	54	4.533	4.533	0.0	89	93241	9.15	
31 Bromomethane	94	4.898	4.898	0.0	93	84330	9.55	
32 Chloroethane	64	4.968	4.968	0.0	98	72636	9.53	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	93	203601	9.62	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	93	149971	9.61	
37 Ethyl ether	59	5.403	5.403	0.0	96	49110	10.2	A
40 Acrolein	56		5.547					
41 Acetone	43	5.664	5.664	0.0	77	73701	39.8	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.664	0.0	92	80933	9.84	
45 1,1-Dichloroethene	96	5.682	5.682	0.0	94	82951	9.81	
46 Iodomethane	142	5.873	5.873	0.0	98	169038	9.65	
48 Methyl acetate	43	5.908	5.908	0.0	91	166499	44.7	
49 3-Chloro-1-propene	41	5.960	5.960	0.0	79	192668	9.74	
51 Carbon disulfide	76	5.978	5.978	0.0	99	365066	9.04	
50 2-Methyl-2-propanol	59	6.012	6.012	0.0	53	42452	92.4	
52 Methylene Chloride	84	6.065	6.065	0.0	94	93330	10.4	
53 Acrylonitrile	53	6.221	6.221	0.0	96	142511	90.8	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	92	133090	9.34	
55 trans-1,2-Dichloroethene	96	6.308	6.308	0.0	96	88315	9.09	
56 Hexane	57	6.482	6.482	0.0	93	146420	9.15	
57 Vinyl acetate	43	6.569	6.569	0.0	95	198566	19.2	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	97	183567	9.41	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	98	111776	39.2	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	96	98901	257.3	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	87	86894	9.57	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	94	134754	9.31	
69 Chlorobromomethane	128	7.335	7.335	0.0	89	37373	9.47	
70 Chloroform	83	7.335	7.335	0.0	96	155922	9.56	
71 Tetrahydrofuran	42	7.353	7.353	0.0	87	24231	19.2	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	90	137519	9.73	
74 Cyclohexane	56	7.648	7.648	0.0	97	172406	8.94	
72 Isobutyl alcohol	41	7.648	7.648	0.0	37	123438	237.3	
75 1,1-Dichloropropene	75	7.683	7.683	0.0	92	132499	9.45	
76 Carbon tetrachloride	117	7.718	7.718	0.0	76	132018	9.26	
77 1,2-Dichloroethane	62	7.857	7.857	0.0	95	89456	9.18	
79 Benzene	78	7.875	7.875	0.0	98	316929	9.11	
14 n-Heptane	43	7.962	7.962	0.0	96	194886	9.35	
81 Trichloroethene	130	8.380	8.380	0.0	94	98896	9.24	
82 2-Pentanone	43	8.432	8.432	0.0	97	195541	37.6	
84 1,2-Dichloropropane	63	8.588	8.588	0.0	74	90047	9.73	
85 Methylcyclohexane	55	8.588	8.588	0.0	87	148526	9.15	
86 1,4-Dioxane	88	8.658	8.658	0.0	90	10062	217.9	
87 Dibromomethane	93	8.710	8.710	0.0	85	40271	10.2	
88 Dichlorobromomethane	83	8.797	8.797	0.0	96	98564	9.18	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	92	17518	8.69	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	83	99700	8.85	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.232	0.0	97	183856	39.7	
93 Toluene	91	9.511	9.511	0.0	92	292901	9.02	
94 Ethyl methacrylate	69	9.615	9.615	0.0	89	44242	8.49	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	99	84442	8.83	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	95	43738	9.69	
97 2-Hexanone	43	9.981	9.981	0.0	97	111565	35.0	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	97	86930	9.51	
99 Tetrachloroethene	164	10.033	10.033	0.0	89	74832	9.20	
100 Chlorodibromomethane	129	10.259	10.259	0.0	87	59373	9.04	
102 Ethylene Dibromide	107	10.399	10.399	0.0	98	41368	8.59	
103 1-Chlorohexane	91	10.677	10.677	0.0	93	109212	9.32	
104 Chlorobenzene	112	10.799	10.799	0.0	87	196984	9.42	
105 Ethylbenzene	106	10.851	10.851	0.0	98	106513	9.60	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.851	0.0	38	68962	9.07	
107 m-Xylene & p-Xylene	91	10.938	10.938	0.0	99	255547	9.46	
108 Styrene	104	11.304	11.304	0.0	79	147360	8.83	
109 o-Xylene	106	11.304	11.304	0.0	86	110948	9.03	
110 Bromoform	173	11.547	11.547	0.0	90	30565	9.07	
111 Isopropylbenzene	105	11.617	11.617	0.0	96	312598	9.44	
113 Cyclohexanone	55	11.756	11.756	0.0	95	89409	343.7	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	93	47250	9.79	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	77	12769	9.62	
116 1,2,3-Trichloropropane	110	11.930	11.930	0.0	83	12668	10.2	
118 Bromobenzene	156	11.983	11.983	0.0	57	75121	9.58	
117 N-Propylbenzene	120	11.983	11.983	0.0	94	88828	9.83	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	89	241829	9.76	
120 2-Chlorotoluene	126	12.122	12.122	0.0	86	79844	9.70	
121 4-Chlorotoluene	126	12.226	12.226	0.0	97	78329	9.91	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	91	256994	9.58	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	91	239820	9.67	
124 sec-Butylbenzene	134	12.679	12.679	0.0	95	66795	9.33	
125 4-Isopropyltoluene	119	12.783	12.783	0.0	91	290880	9.87	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	83	145554	9.55	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	92	143720	9.69	
129 n-Butylbenzene	91	13.201	13.201	0.0	96	262805	9.90	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	97	121554	9.62	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.193	0.0	58	6872	9.04	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	92	66692	10.1	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	90	49853	10.4	
134 Naphthalene	128	15.655	15.655	0.0	97	87027	8.62	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	94	51934	9.51	
S 136 Trihalomethanes, Total	1				0		36.8	
S 137 Xylenes, Total (URS)	1				0		18.5	
S 138 Total BTEX	1				0		46.2	
S 139 1,3-Dichloropropene, Total	1				0		17.7	
S 140 1,2-Dichloroethene, Total	1				0		18.7	
S 141 Xylenes, Total	106				0		18.5	
S 142 1,2-Dichloroethene, Total (URS)	96				0		18.7	

QC Flag Legend

Review Flags
A - User Assigned ID

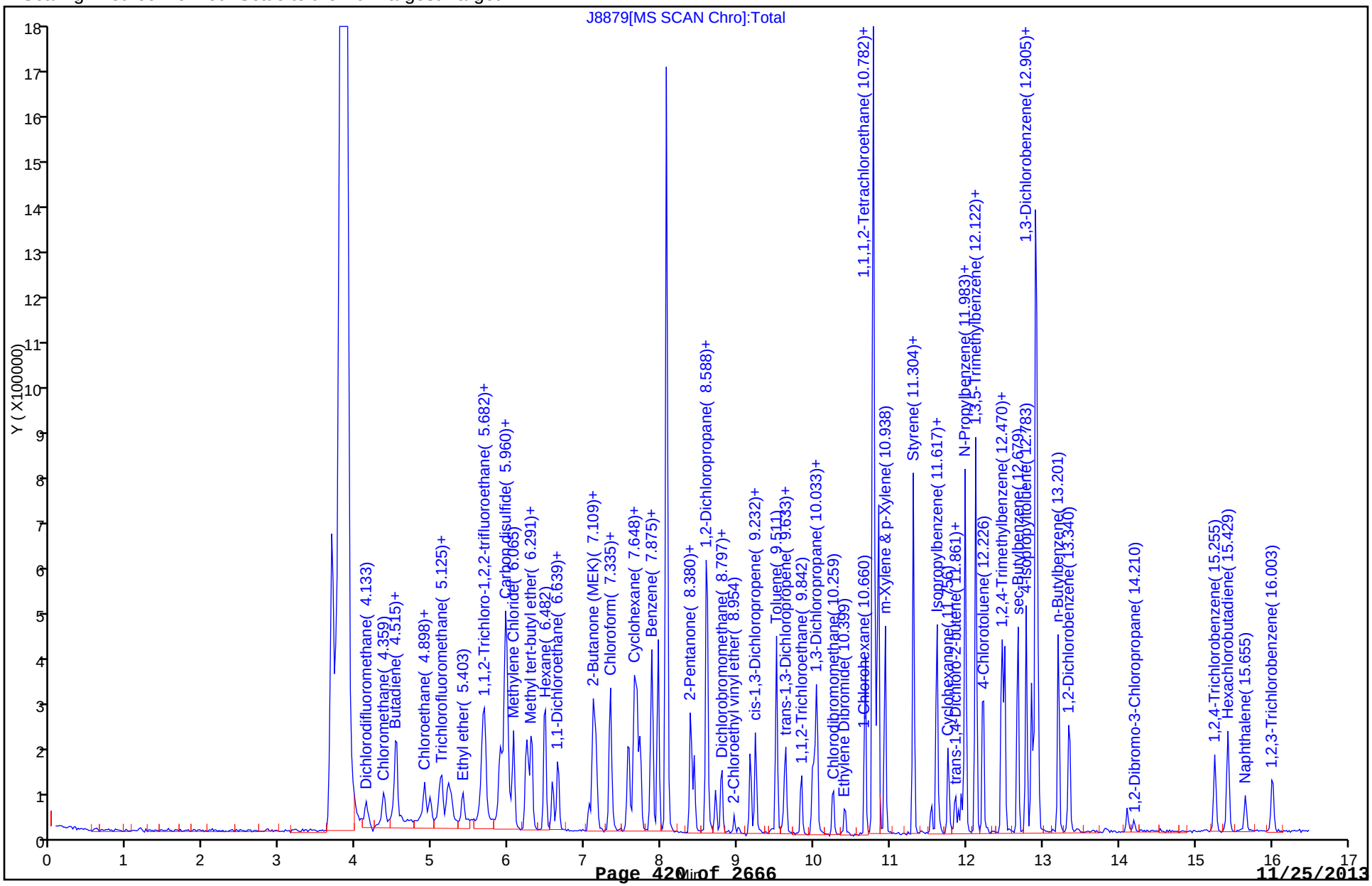
Report Date: 21-Oct-2013 23:37:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D

Injection Date:	21-Oct-2013 18:37:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	14
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



Manual Integration/User Assign Peak Report

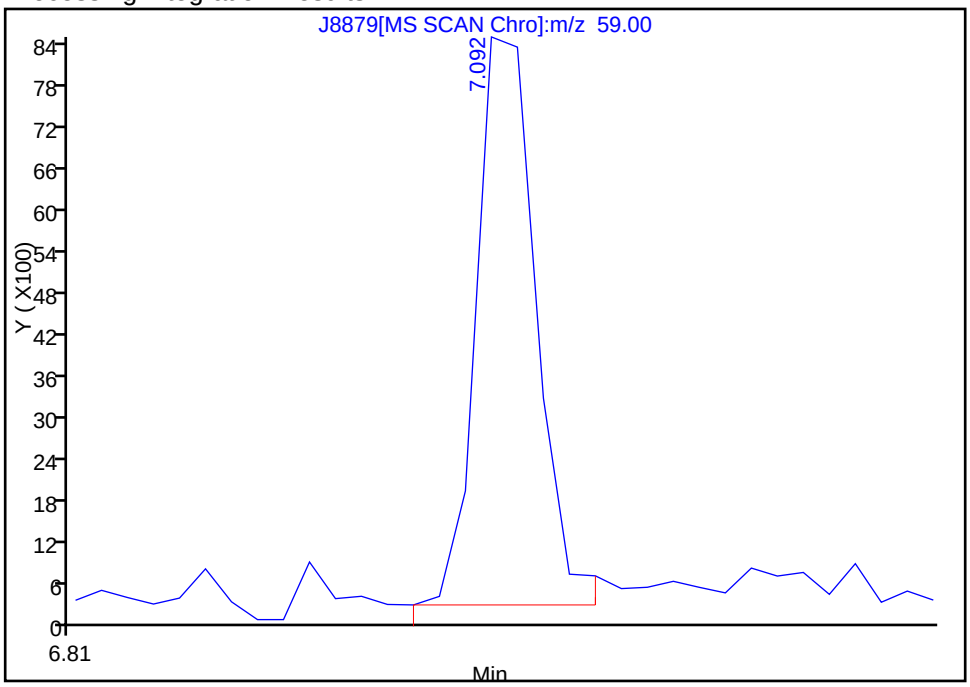
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D		
Injection Date:	21-Oct-2013 18:37:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	14
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

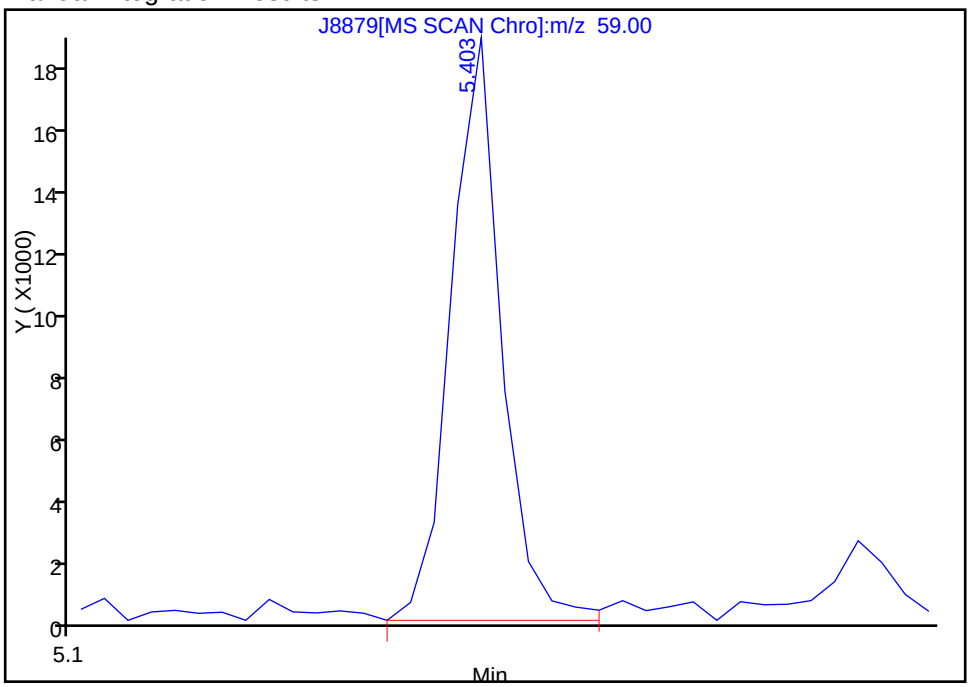
Processing Integration Results

RT: 7.09
Response: 22844
Amount: 6.765416



Manual Integration Results

RT: 5.40
Response: 49110
Amount: 10.150376



Reviewer: dukesa, 21-Oct-2013 19:51:17
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

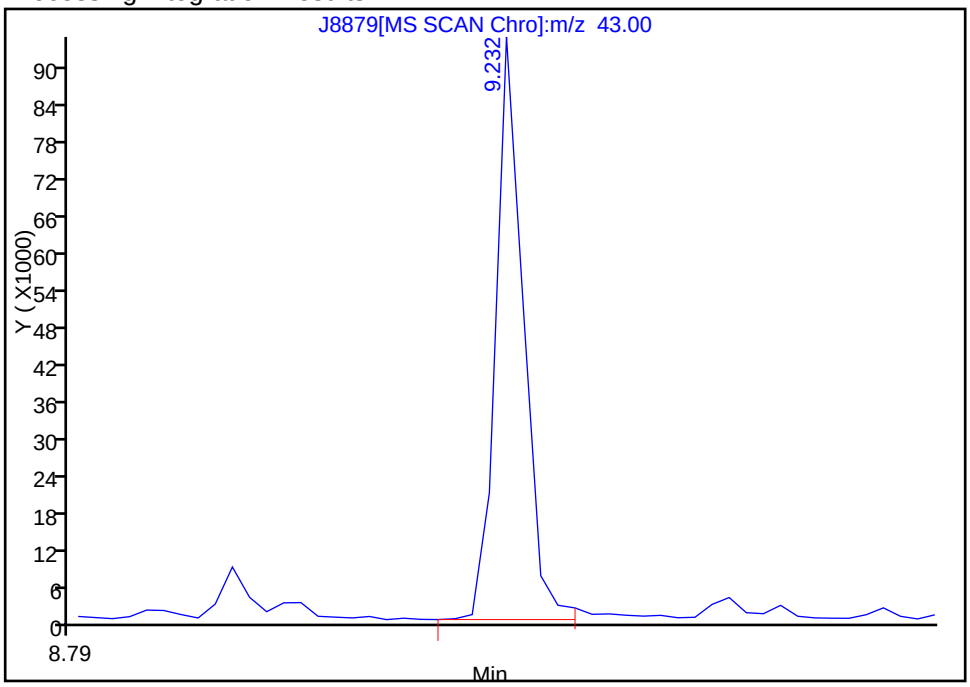
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8879.D		
Injection Date:	21-Oct-2013 18:37:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	14
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

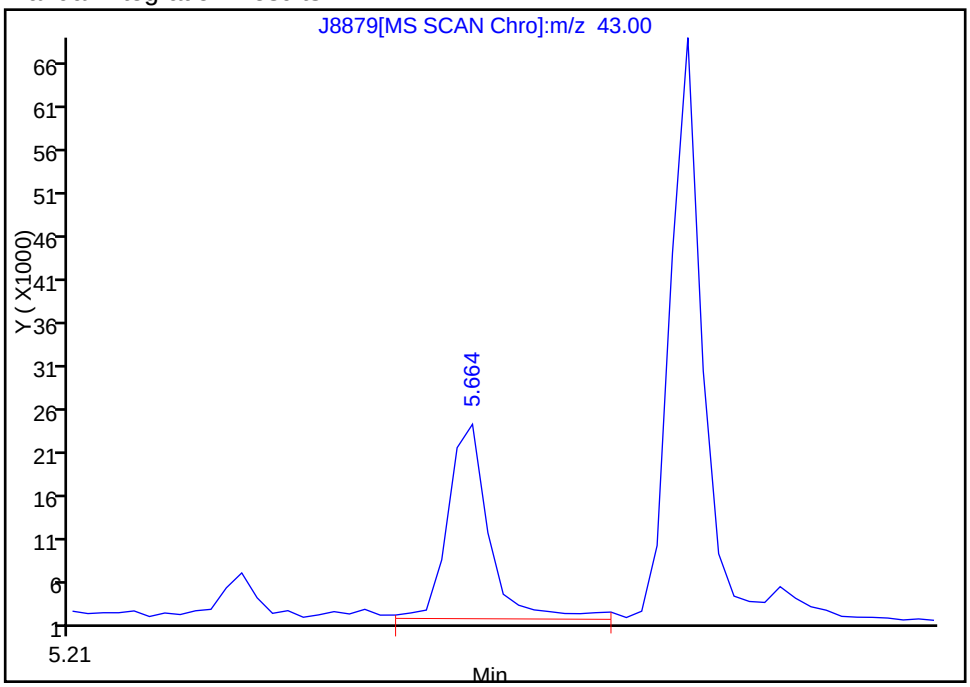
Processing Integration Results

RT: 9.23
Response: 183315
Amount: 44.000528



Manual Integration Results

RT: 5.66
Response: 73701
Amount: 39.836577



Reviewer: dukesa, 21-Oct-2013 19:39:01
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D
Lims ID: STD20 Client ID:
Inject. Date: 21-Oct-2013 18:59:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD20
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 23
Lims Batch ID: 196983 Lims Sample ID: 15
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:11 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:35:28

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.959	0.0	76	379913	1000.0	
* 1 Fluorobenzene	96	8.065	8.065	0.0	97	1447926	50.0	
* 2 Chlorobenzene-d5	119	10.780	10.780	0.0	83	309074	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.921	12.921	0.0	92	442113	50.0	
25 Dichlorodifluoromethane	85	4.131	4.131	0.0	98	182882	15.6	
27 Chloromethane	50	4.358	4.358	0.0	100	250742	17.6	
28 Vinyl chloride	62	4.514	4.514	0.0	98	244756	18.2	
147 Butadiene	54	4.532	4.532	0.0	89	186699	18.1	
31 Bromomethane	94	4.897	4.897	0.0	91	155562	17.4	
32 Chloroethane	64	4.967	4.967	0.0	98	140267	18.2	
33 Dichlorofluoromethane	67	5.124	5.124	0.0	98	402187	18.8	
34 Trichlorofluoromethane	101	5.211	5.211	0.0	96	296075	18.7	
37 Ethyl ether	59	5.402	5.402	0.0	96	95680	19.5	A
40 Acrolein	56		5.547					
41 Acetone	43	5.663	5.663	0.0	73	113902	74.6	A
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.663	5.663	0.0	95	154728	18.6	
45 1,1-Dichloroethene	96	5.698	5.698	0.0	98	157858	18.4	
46 Iodomethane	142	5.889	5.889	0.0	97	317560	17.9	
48 Methyl acetate	43	5.907	5.907	0.0	91	371600	98.6	
49 3-Chloro-1-propene	41	5.959	5.959	0.0	73	378295	18.9	
51 Carbon disulfide	76	5.976	5.976	0.0	99	715462	17.5	
50 2-Methyl-2-propanol	59	6.011	6.011	0.0	53	87761	194.9	
52 Methylene Chloride	84	6.063	6.063	0.0	93	170525	18.7	
53 Acrylonitrile	53	6.220	6.220	0.0	97	291977	183.8	
54 Methyl tert-butyl ether	73	6.255	6.255	0.0	92	273050	18.9	
55 trans-1,2-Dichloroethene	96	6.307	6.307	0.0	95	179416	18.2	
56 Hexane	57	6.481	6.481	0.0	95	304925	19.0	
57 Vinyl acetate	43	6.568	6.568	0.0	96	401908	38.3	
59 1,1-Dichloroethane	63	6.638	6.638	0.0	98	361577	18.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.056	7.056	0.0	97	228903	79.3	
64 sec-Butyl Alcohol	45	7.090	7.090	0.0	95	219576	582.8	
65 cis-1,2-Dichloroethene	96	7.108	7.108	0.0	88	173850	18.9	
67 2,2-Dichloropropane	77	7.143	7.143	0.0	93	272857	18.6	
70 Chloroform	83	7.334	7.334	0.0	96	304115	18.4	
69 Chlorobromomethane	128	7.334	7.334	0.0	88	74845	18.7	
71 Tetrahydrofuran	42	7.369	7.369	0.0	87	47812	37.5	
73 1,1,1-Trichloroethane	97	7.578	7.578	0.0	89	276273	19.3	
74 Cyclohexane	56	7.647	7.647	0.0	98	353213	18.1	
72 Isobutyl alcohol	41	7.647	7.647	0.0	38	252934	496.1	
75 1,1-Dichloropropene	75	7.682	7.682	0.0	91	269964	19.0	
76 Carbon tetrachloride	117	7.717	7.717	0.0	77	267148	18.5	
77 1,2-Dichloroethane	62	7.856	7.856	0.0	97	184680	18.7	
79 Benzene	78	7.874	7.874	0.0	98	649501	18.4	
14 n-Heptane	43	7.961	7.961	0.0	96	400123	19.0	
81 Trichloroethene	130	8.378	8.378	0.0	93	199753	18.4	
82 2-Pentanone	43	8.431	8.431	0.0	97	392292	74.5	
84 1,2-Dichloropropane	63	8.587	8.587	0.0	71	181161	19.3	
85 Methylcyclohexane	55	8.605	8.605	0.0	90	307869	18.7	
86 1,4-Dioxane	88	8.657	8.657	0.0	82	19386	414.7	
87 Dibromomethane	93	8.709	8.709	0.0	86	77315	19.4	
88 Dichlorobromomethane	83	8.796	8.796	0.0	94	198315	18.2	
89 2-Chloroethyl vinyl ether	63	8.953	8.953	0.0	91	35030	17.2	
91 cis-1,3-Dichloropropene	75	9.162	9.162	0.0	84	212684	18.8	
92 4-Methyl-2-pentanone (MIBK)	43	9.231	9.231	0.0	97	381317	73.5	
93 Toluene	91	9.510	9.510	0.0	91	619602	18.8	
94 Ethyl methacrylate	69	9.614	9.614	0.0	92	96285	18.4	
95 trans-1,3-Dichloropropene	75	9.632	9.632	0.0	99	177732	18.2	
96 1,1,2-Trichloroethane	97	9.841	9.841	0.0	96	86158	18.9	
97 2-Hexanone	43	9.980	9.980	0.0	97	241519	75.5	
98 1,3-Dichloropropane	76	10.015	10.015	0.0	97	171788	18.7	
99 Tetrachloroethene	164	10.049	10.049	0.0	97	151654	18.6	
100 Chlorodibromomethane	129	10.258	10.258	0.0	85	124767	18.9	
102 Ethylene Dibromide	107	10.398	10.398	0.0	98	87274	18.1	
103 1-Chlorohexane	91	10.676	10.676	0.0	90	224780	19.1	
104 Chlorobenzene	112	10.798	10.798	0.0	87	405614	19.3	
105 Ethylbenzene	106	10.850	10.850	0.0	99	215739	19.4	
106 1,1,1,2-Tetrachloroethane	131	10.850	10.850	0.0	38	145994	19.1	
107 m-Xylene & p-Xylene	91	10.937	10.937	0.0	99	540785	20.0	
108 Styrene	104	11.303	11.303	0.0	79	337261	20.1	
109 o-Xylene	106	11.303	11.303	0.0	87	242315	19.7	
110 Bromoform	173	11.546	11.546	0.0	92	63612	18.8	
111 Isopropylbenzene	105	11.616	11.616	0.0	96	675549	19.2	
113 Cyclohexanone	55	11.755	11.755	0.0	97	197527	756.8	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.860	0.0	87	94403	18.5	
115 trans-1,4-Dichloro-2-butene	53	11.894	11.894	0.0	74	26385	18.8	
116 1,2,3-Trichloropropane	110	11.929	11.929	0.0	43	25436	19.3	A
118 Bromobenzene	156	11.981	11.981	0.0	58	156567	18.8	
117 N-Propylbenzene	120	11.981	11.981	0.0	94	192662	20.1	
119 1,3,5-Trimethylbenzene	105	12.121	12.121	0.0	89	527100	20.1	
120 2-Chlorotoluene	126	12.138	12.138	0.0	97	170142	19.5	
121 4-Chlorotoluene	126	12.225	12.225	0.0	97	163298	19.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.469	12.469	0.0	92	573199	20.2	
123 1,2,4-Trimethylbenzene	105	12.504	12.504	0.0	92	527572	20.1	
124 sec-Butylbenzene	134	12.678	12.678	0.0	95	151784	20.0	
125 4-Isopropyltoluene	119	12.782	12.782	0.0	94	649520	20.8	
126 1,3-Dichlorobenzene	146	12.852	12.852	0.0	82	311213	19.3	
128 1,4-Dichlorobenzene	146	12.939	12.939	0.0	92	306020	19.5	
129 n-Butylbenzene	91	13.200	13.200	0.0	95	593411	21.1	
130 1,2-Dichlorobenzene	146	13.357	13.357	0.0	98	256281	19.1	
131 1,2-Dibromo-3-Chloropropane	157	14.192	14.192	0.0	62	14926	18.5	
132 1,2,4-Trichlorobenzene	180	15.254	15.254	0.0	93	140091	20.0	
133 Hexachlorobutadiene	225	15.428	15.428	0.0	92	108129	21.4	
134 Naphthalene	128	15.654	15.654	0.0	97	190276	17.3	
135 1,2,3-Trichlorobenzene	180	16.020	16.020	0.0	95	114874	19.8	
S 136 Trihalomethanes, Total	1				0		74.4	
S 137 Xylenes, Total (URS)	1				0		39.6	
S 138 Total BTEX	1				0		96.3	
S 139 1,3-Dichloropropene, Total	1				0		37.1	
S 140 1,2-Dichloroethene, Total	1				0		37.2	
S 141 Xylenes, Total	106				0		39.6	
S 142 1,2-Dichloroethene, Total (URS)	96				0		37.2	

QC Flag Legend

Review Flags
A - User Assigned ID

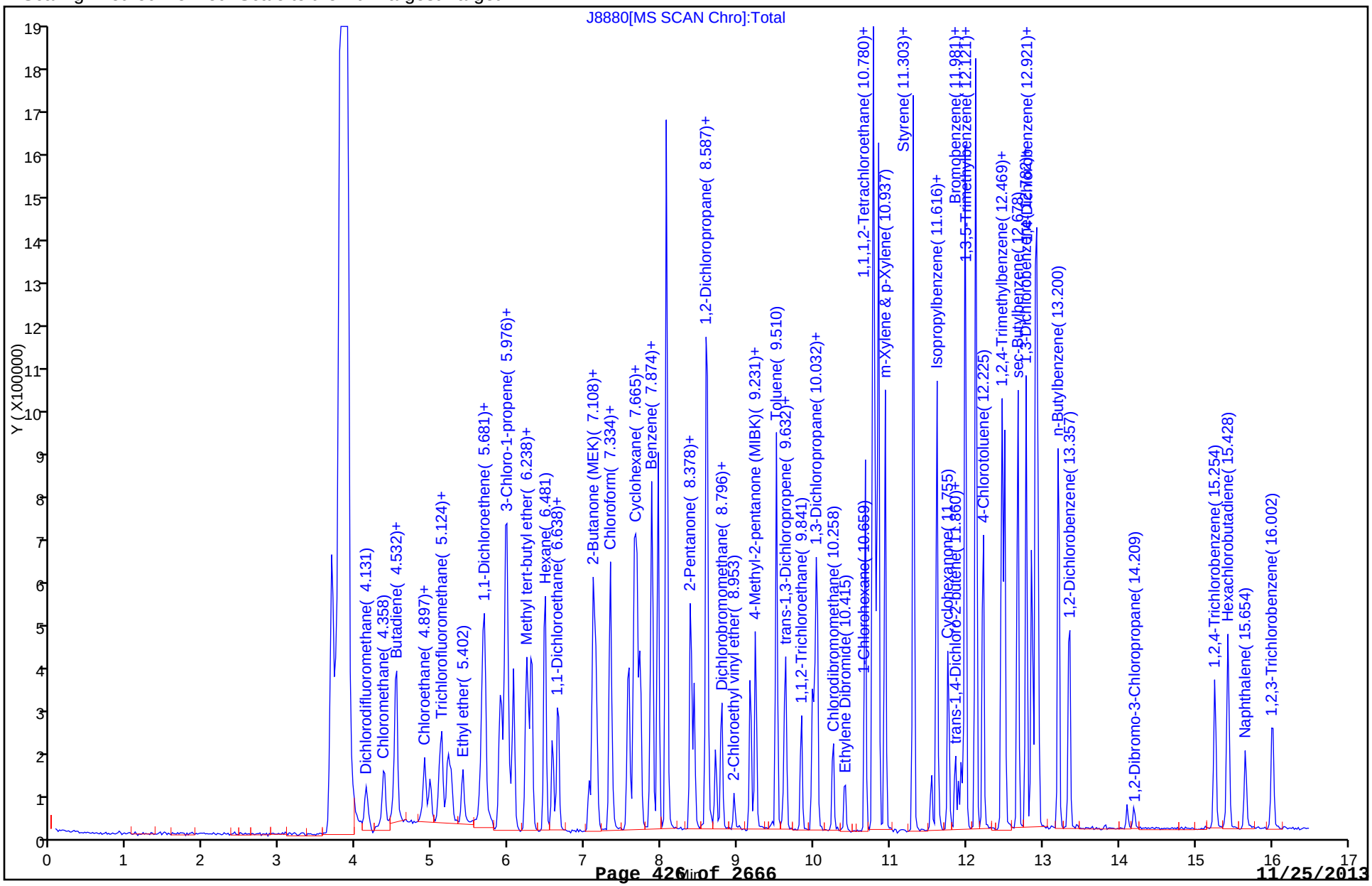
Report Date: 21-Oct-2013 23:37:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D

Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



Manual Integration/User Assign Peak Report

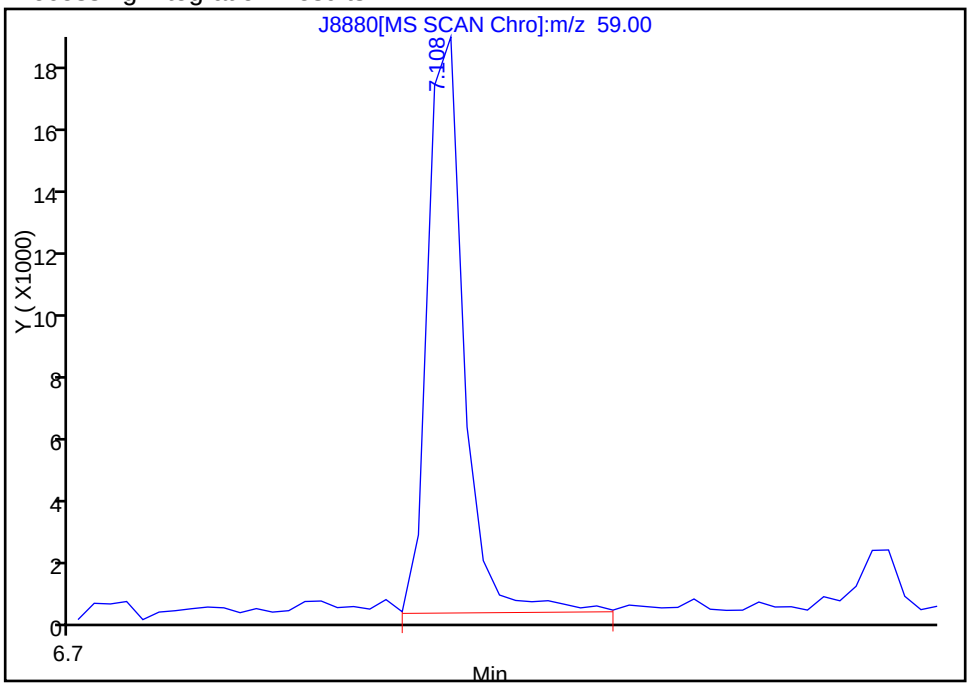
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D		
Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

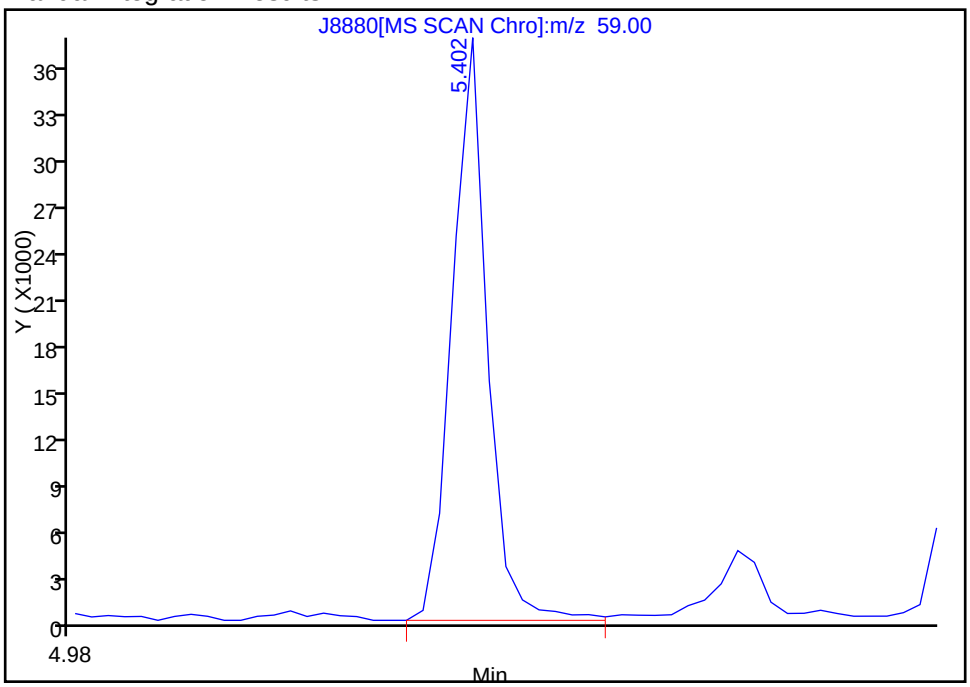
Processing Integration Results

RT: 7.11
Response: 50396
Amount: 19.483448



Manual Integration Results

RT: 5.40
Response: 95680
Amount: 19.530033



Reviewer: dukesa, 21-Oct-2013 19:51:05
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

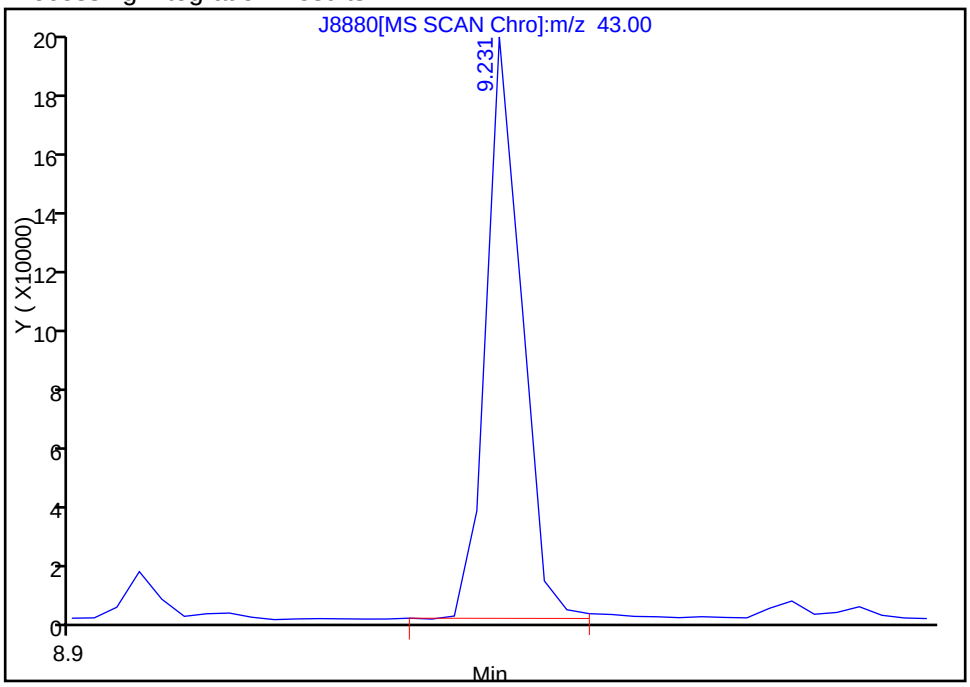
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D		
Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

41 Acetone, Signal: 1, m/z: 43.0 Type: quant, RT: 5.66

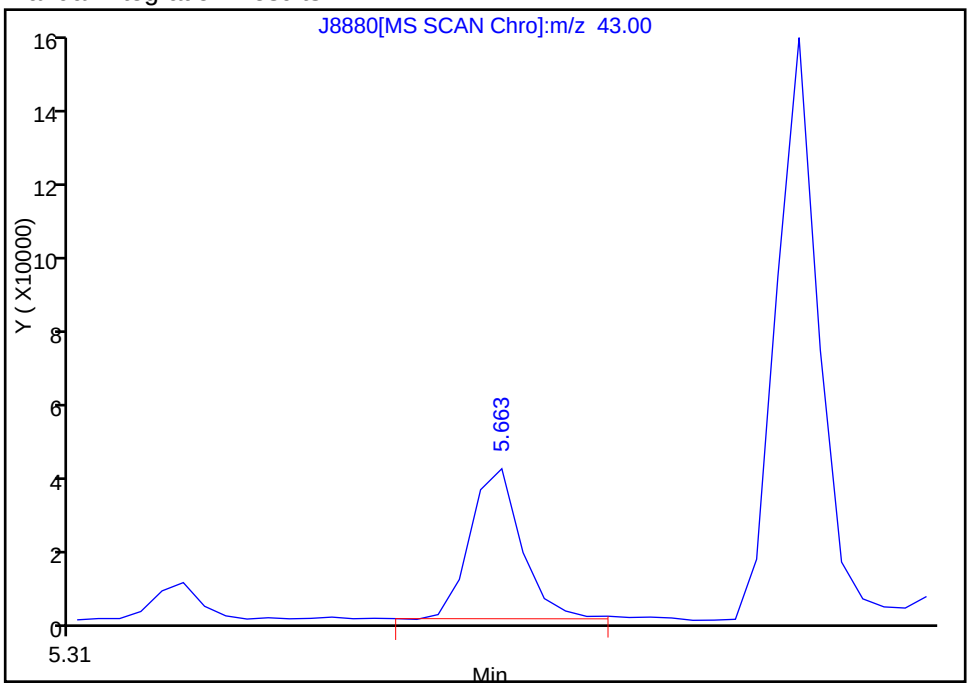
Processing Integration Results

RT: 9.23
Response: 377637
Amount: 77.417020



Manual Integration Results

RT: 5.66
Response: 113902
Amount: 74.634772



Reviewer: dukesa, 21-Oct-2013 19:38:31
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

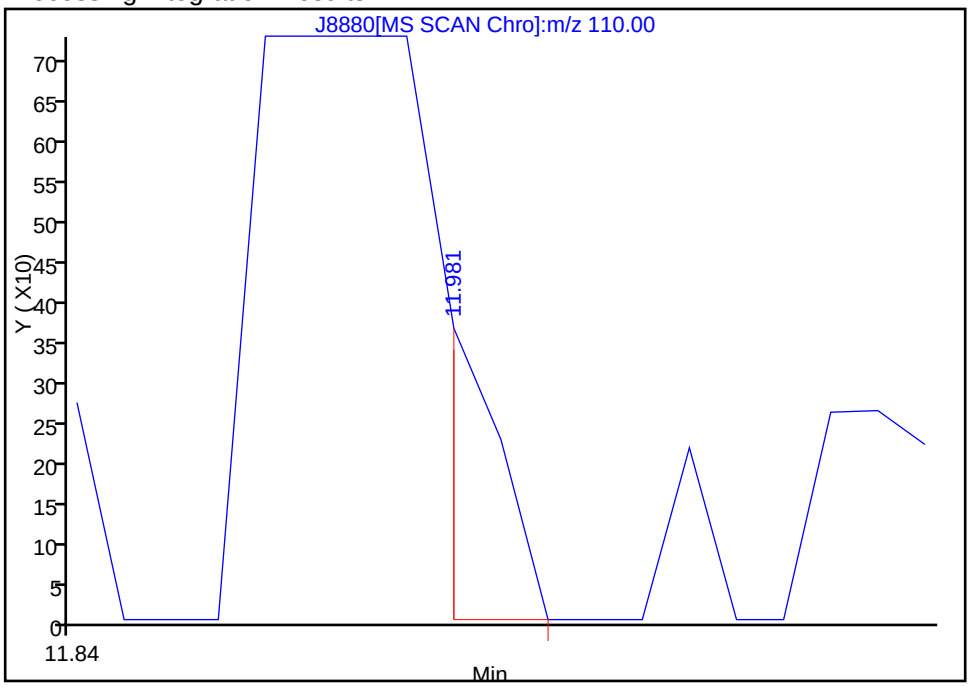
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8880.D		
Injection Date:	21-Oct-2013 18:59:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	15
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

116 1,2,3-Trichloropropane, Signal: 1, m/z: 110.0 Type: quant, RT: 11.93

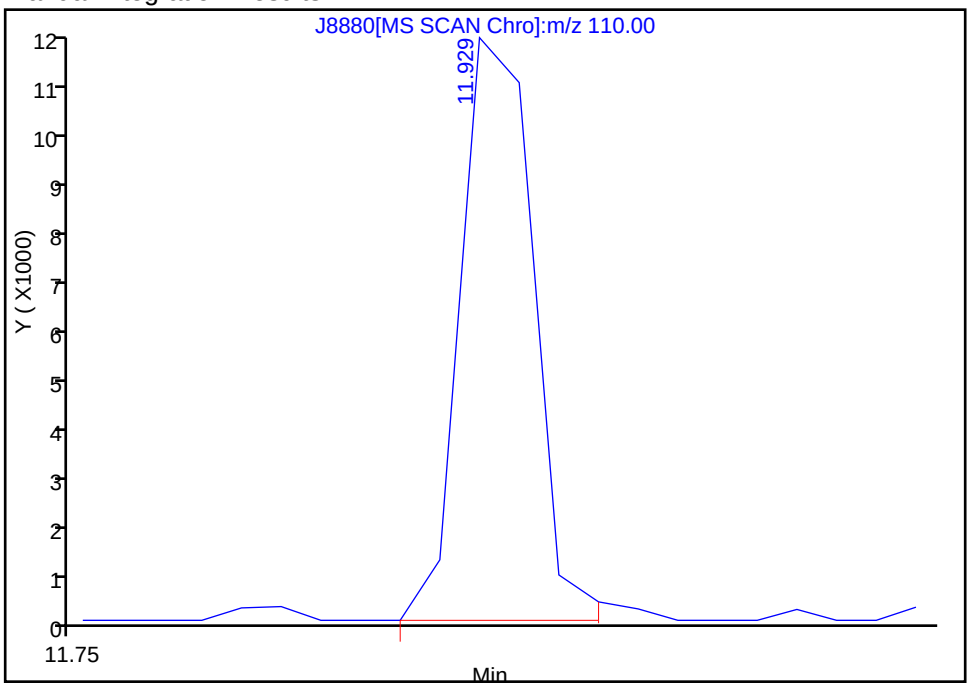
Processing Integration Results

RT: 11.98
Response: 610
Amount: 0.548195



Manual Integration Results

RT: 11.93
Response: 25436
Amount: 19.275145



Reviewer: dukesa, 21-Oct-2013 20:37:12
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8881.D
Lims ID: STD50 Client ID:
Inject. Date: 21-Oct-2013 19:20:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD50
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 24
Lims Batch ID: 196983 Lims Sample ID: 16
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:12 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 19:46:41

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.943	5.943	0.0	67	391420	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1463550	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	84	321411	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.923	12.923	0.0	94	468916	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	97	748214	55.8	
27 Chloromethane	50	4.376	4.376	0.0	100	813419	56.6	
28 Vinyl chloride	62	4.516	4.516	0.0	98	770788	56.8	
147 Butadiene	54	4.533	4.533	0.0	87	630627	60.4	
31 Bromomethane	94	4.899	4.899	0.0	91	483409	53.5	
32 Chloroethane	64	4.968	4.968	0.0	99	414554	53.2	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	94	1145792	52.9	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	97	884151	55.3	
37 Ethyl ether	59	5.403	5.403	0.0	96	260298	52.6	A
40 Acrolein	56		5.547					
41 Acetone	43	5.664	5.664	0.0	75	288775	226.8	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.664	0.0	93	466618	55.4	
45 1,1-Dichloroethene	96	5.682	5.682	0.0	97	474497	54.9	
46 Iodomethane	142	5.891	5.891	0.0	98	936545	52.2	
48 Methyl acetate	43	5.908	5.908	0.0	97	1038522	272.7	
49 3-Chloro-1-propene	41	5.960	5.960	0.0	77	1079243	53.3	
51 Carbon disulfide	76	5.978	5.978	0.0	99	2185268	52.9	
50 2-Methyl-2-propanol	59	6.030	6.030	0.0	54	249726	538.2	
52 Methylene Chloride	84	6.065	6.065	0.0	93	456775	49.6	
53 Acrylonitrile	53	6.221	6.221	0.0	97	851101	530.0	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	93	802340	55.0	
55 trans-1,2-Dichloroethene	96	6.308	6.308	0.0	95	506002	50.9	
56 Hexane	57	6.482	6.482	0.0	95	930570	55.7	
57 Vinyl acetate	43	6.569	6.569	0.0	96	1226331	115.6	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	97	1030317	51.6	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	97	638369	218.9	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	98	651109	1677.3	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	88	495360	53.3	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	95	779315	52.6	
70 Chloroform	83	7.335	7.335	0.0	97	854734	51.2	
69 Chlorobromomethane	128	7.335	7.335	0.0	89	215280	53.3	
71 Tetrahydrofuran	42	7.353	7.353	0.0	88	139271	108.0	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	90	786494	54.4	
74 Cyclohexane	56	7.649	7.649	0.0	96	1072716	54.3	
72 Isobutyl alcohol	41	7.649	7.649	0.0	39	732672	1394.8	
75 1,1-Dichloropropene	75	7.683	7.683	0.0	90	781373	54.4	
76 Carbon tetrachloride	117	7.718	7.718	0.0	77	766959	52.5	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	97	518671	52.0	
79 Benzene	78	7.875	7.875	0.0	98	1884390	52.9	
14 n-Heptane	43	7.962	7.962	0.0	96	1173661	55.0	
81 Trichloroethene	130	8.380	8.380	0.0	94	558138	50.9	
82 2-Pentanone	43	8.432	8.432	0.0	97	1127458	211.7	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	86	506084	53.4	
85 Methylcyclohexane	55	8.606	8.606	0.0	92	887691	53.4	
86 1,4-Dioxane	88	8.658	8.658	0.0	92	44246	936.3	
87 Dibromomethane	93	8.710	8.710	0.0	87	214973	53.4	
88 Dichlorobromomethane	83	8.797	8.797	0.0	94	569425	51.8	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	93	108037	52.4	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	85	617226	52.5	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	98	1141631	206.5	
93 Toluene	91	9.511	9.511	0.0	92	1771462	53.3	
94 Ethyl methacrylate	69	9.616	9.616	0.0	92	303309	55.8	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	100	511520	51.7	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	95	242165	52.4	
97 2-Hexanone	43	9.981	9.981	0.0	98	736137	221.2	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	96	485210	50.9	
99 Tetrachloroethene	164	10.051	10.051	0.0	96	431572	50.9	
100 Chlorodibromomethane	129	10.260	10.260	0.0	86	360017	52.6	
102 Ethylene Dibromide	107	10.399	10.399	0.0	98	254978	50.8	
103 1-Chlorohexane	91	10.677	10.677	0.0	96	663466	54.3	
104 Chlorobenzene	112	10.799	10.799	0.0	87	1072344	49.2	
105 Ethylbenzene	106	10.851	10.851	0.0	88	611262	52.8	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.851	0.0	41	413711	52.1	
107 m-Xylene & p-Xylene	91	10.938	10.938	0.0	99	1491513	52.9	
108 Styrene	104	11.304	11.304	0.0	82	981769	56.4	
109 o-Xylene	106	11.304	11.304	0.0	87	665670	51.9	
110 Bromoform	173	11.548	11.548	0.0	94	187243	53.2	
111 Isopropylbenzene	105	11.617	11.617	0.0	96	1927496	51.8	
113 Cyclohexanone	55	11.756	11.756	0.0	97	617926	2276.7	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	86	280438	51.7	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	79	81263	54.5	
116 1,2,3-Trichloropropane	110	11.930	11.930	0.0	90	72787	52.0	
118 Bromobenzene	156	11.983	11.983	0.0	57	441097	50.0	
117 N-Propylbenzene	120	11.983	11.983	0.0	94	512927	50.5	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	87	1465858	52.7	
120 2-Chlorotoluene	126	12.122	12.122	0.0	85	456285	49.3	
121 4-Chlorotoluene	126	12.226	12.226	0.0	98	434532	48.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	90	1565964	51.9	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	91	1422978	51.0	
124 sec-Butylbenzene	134	12.679	12.679	0.0	94	416323	51.7	
125 4-Isopropyltoluene	119	12.783	12.783	0.0	91	1715528	51.8	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	97	837974	48.9	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	94	797751	47.9	
129 n-Butylbenzene	91	13.201	13.201	0.0	96	1543265	51.7	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	691331	48.7	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.193	0.0	73	46059	53.9	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	94	373025	50.1	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	93	254369	47.4	
134 Naphthalene	128	15.655	15.655	0.0	97	612493	51.4	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	94	314156	51.2	
S 136 Trihalomethanes, Total	1				0		208.8	
S 137 Xylenes, Total (URS)	1				0		104.9	
S 138 Total BTEX	1				0		263.9	
S 139 1,3-Dichloropropene, Total	1				0		104.2	
S 140 1,2-Dichloroethene, Total	1				0		104.2	
S 141 Xylenes, Total	106				0		104.9	
S 142 1,2-Dichloroethene, Total (URS)	96				0		104.2	

QC Flag Legend

Review Flags
A - User Assigned ID

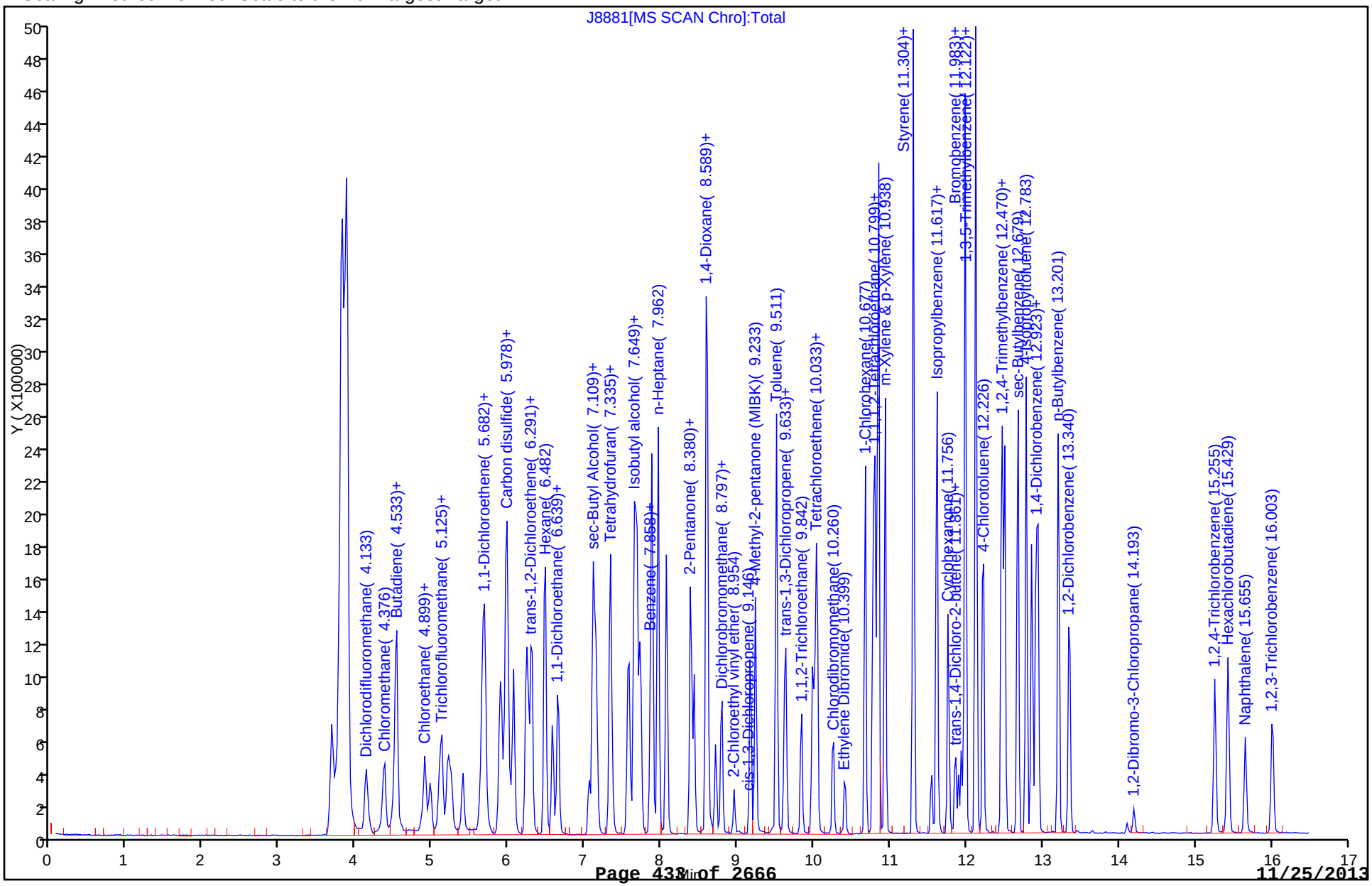
Report Date: 21-Oct-2013 23:37:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8881.D

Injection Date:	21-Oct-2013 19:20:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	16
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



Manual Integration/User Assign Peak Report

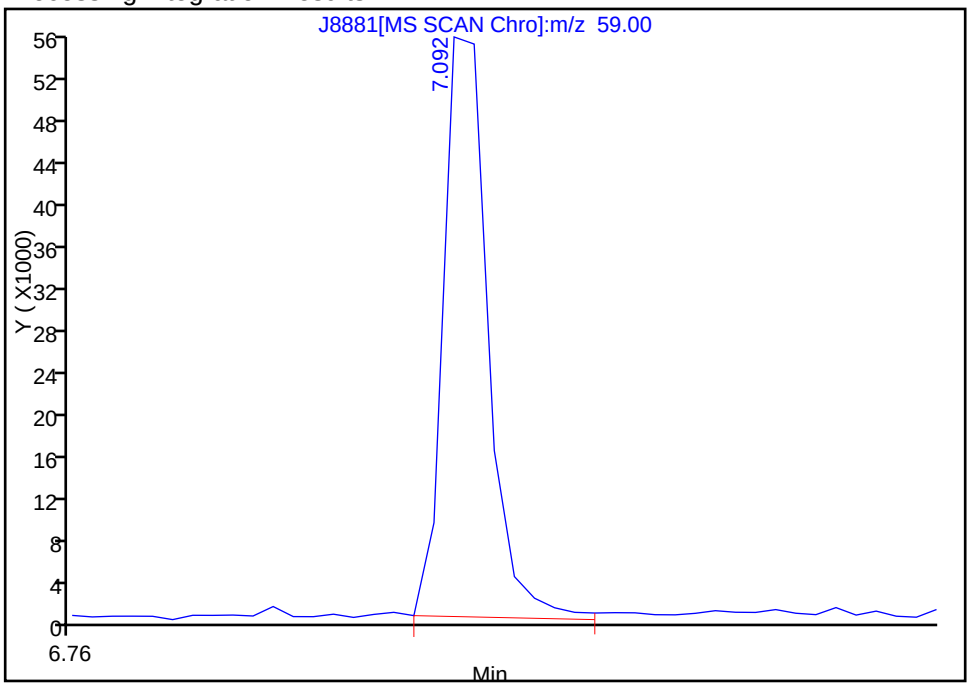
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8881.D		
Injection Date:	21-Oct-2013 19:20:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	16
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

37 Ethyl ether, Signal: 1, m/z: 59.0 Type: quant, RT: 5.40

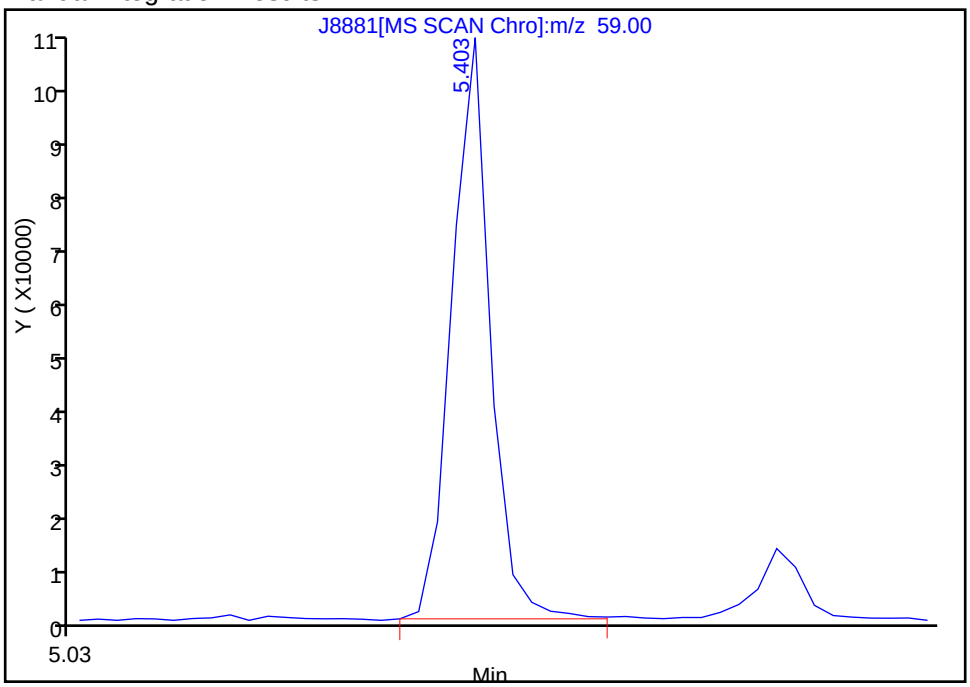
Processing Integration Results

RT: 7.09
Response: 147819
Amount: 50.963240



Manual Integration Results

RT: 5.40
Response: 260298
Amount: 52.564368



Reviewer: dukesa, 21-Oct-2013 19:46:41
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8882.D
Lims ID: STD100 Client ID:
Inject. Date: 21-Oct-2013 19:42:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD100
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 25
Lims Batch ID: 196983 Lims Sample ID: 17
Sublist: chrom-SO_VMSJ_8260*sub56
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 21-Oct-2013 23:37:12 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK011

First Level Reviewer: dukesa Date: 21-Oct-2013 20:16:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	41	416335	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1586180	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	79	357772	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.905	12.905	0.0	95	528789	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	99	1506600	101.6	
27 Chloromethane	50	4.376	4.376	0.0	100	1681452	108.0	
28 Vinyl chloride	62	4.516	4.516	0.0	98	1569942	106.7	
147 Butadiene	54	4.533	4.533	0.0	89	1285965	113.7	
31 Bromomethane	94	4.899	4.899	0.0	92	984968	100.6	
32 Chloroethane	64	4.968	4.968	0.0	99	841756	99.6	
33 Dichlorofluoromethane	67	5.125	5.125	0.0	97	2330867	99.3	
34 Trichlorofluoromethane	101	5.212	5.212	0.0	98	1795058	103.7	
37 Ethyl ether	59	5.403	5.403	0.0	96	550423	102.6	
40 Acrolein	56		5.547					
41 Acetone	43	5.664	5.664	0.0	61	518257	392.9	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.664	0.0	92	935795	102.6	
45 1,1-Dichloroethene	96	5.682	5.682	0.0	96	973898	103.9	
46 Iodomethane	142	5.891	5.891	0.0	98	1964882	101.1	
48 Methyl acetate	43	5.908	5.908	0.0	97	2112180	511.7	
49 3-Chloro-1-propene	41	5.960	5.960	0.0	77	2222920	101.3	
51 Carbon disulfide	76	5.978	5.978	0.0	99	4579727	102.3	
50 2-Methyl-2-propanol	59	6.030	6.030	0.0	73	489942	992.6	
52 Methylene Chloride	84	6.065	6.065	0.0	93	917450	91.8	
53 Acrylonitrile	53	6.221	6.221	0.0	98	1747144	1003.8	
54 Methyl tert-butyl ether	73	6.256	6.256	0.0	99	1679495	106.2	
55 trans-1,2-Dichloroethene	96	6.308	6.308	0.0	96	1076989	99.9	
56 Hexane	57	6.483	6.483	0.0	95	1944915	104.7	
57 Vinyl acetate	43	6.570	6.570	0.0	96	2443976	212.7	
59 1,1-Dichloroethane	63	6.639	6.639	0.0	97	2134861	98.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.057	7.057	0.0	97	1266300	400.6	
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	98	1379506	3341.1	
65 cis-1,2-Dichloroethene	96	7.109	7.109	0.0	87	1049431	104.2	
67 2,2-Dichloropropane	77	7.144	7.144	0.0	95	1640973	102.2	
70 Chloroform	83	7.335	7.335	0.0	96	1785844	98.7	
69 Chlorobromomethane	128	7.335	7.335	0.0	90	444378	101.5	
71 Tetrahydrofuran	42	7.353	7.353	0.0	89	289601	207.2	
73 1,1,1-Trichloroethane	97	7.579	7.579	0.0	90	1627254	103.8	
74 Cyclohexane	56	7.649	7.649	0.0	96	2238739	104.6	
72 Isobutyl alcohol	41	7.649	7.649	0.0	39	1446762	2589.5	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	90	1629164	104.7	
76 Carbon tetrachloride	117	7.718	7.718	0.0	77	1621146	102.5	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	97	1053131	97.5	
79 Benzene	78	7.875	7.875	0.0	98	3947363	102.3	
14 n-Heptane	43	7.962	7.962	0.0	96	2476438	107.1	
81 Trichloroethene	130	8.380	8.380	0.0	94	1223497	103.0	
82 2-Pentanone	43	8.432	8.432	0.0	97	2439679	422.7	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	81	1047004	102.0	
85 Methylcyclohexane	55	8.606	8.606	0.0	94	1875089	104.2	
86 1,4-Dioxane	88	8.658	8.658	0.0	93	93864	1832.8	
87 Dibromomethane	93	8.710	8.710	0.0	85	451404	103.5	
88 Dichlorobromomethane	83	8.797	8.797	0.0	94	1185910	99.5	
89 2-Chloroethyl vinyl ether	63	8.954	8.954	0.0	92	241117	107.8	
91 cis-1,3-Dichloropropene	75	9.163	9.163	0.0	85	1333879	101.9	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	97	2349653	397.1	
93 Toluene	91	9.511	9.511	0.0	92	3916387	108.7	
94 Ethyl methacrylate	69	9.616	9.616	0.0	91	680332	112.4	
95 trans-1,3-Dichloropropene	75	9.633	9.633	0.0	98	1116779	104.1	
96 1,1,2-Trichloroethane	97	9.842	9.842	0.0	95	508450	101.6	
97 2-Hexanone	43	9.981	9.981	0.0	98	1569988	423.9	
98 1,3-Dichloropropane	76	10.016	10.016	0.0	95	1026639	96.7	
99 Tetrachloroethene	164	10.051	10.051	0.0	95	961570	101.8	
100 Chlorodibromomethane	129	10.260	10.260	0.0	86	780764	102.4	
102 Ethylene Dibromide	107	10.399	10.399	0.0	99	541559	96.9	
103 1-Chlorohexane	91	10.677	10.677	0.0	97	1544774	113.5	
104 Chlorobenzene	112	10.799	10.799	0.0	89	2460648	101.4	
105 Ethylbenzene	106	10.851	10.851	0.0	93	1407151	109.2	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.851	0.0	42	896920	101.6	
107 m-Xylene & p-Xylene	91	10.938	10.938	0.0	100	3472643	110.7	
108 Styrene	104	11.304	11.304	0.0	84	2359004	121.7	
109 o-Xylene	106	11.304	11.304	0.0	87	1574778	110.4	
110 Bromoform	173	11.548	11.548	0.0	94	423514	108.2	
111 Isopropylbenzene	105	11.617	11.617	0.0	96	4551408	108.4	
113 Cyclohexanone	55	11.756	11.756	0.0	97	1353333	4479.4	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.861	0.0	86	600427	98.1	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	81	172665	102.6	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	90	153252	97.1	
118 Bromobenzene	156	11.983	11.983	0.0	54	1015179	102.1	
117 N-Propylbenzene	120	11.983	11.983	0.0	95	1272489	111.1	
119 1,3,5-Trimethylbenzene	105	12.122	12.122	0.0	87	3603379	114.8	
120 2-Chlorotoluene	126	12.122	12.122	0.0	84	1082064	103.8	
121 4-Chlorotoluene	126	12.226	12.226	0.0	97	1067549	106.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.470	12.470	0.0	91	3844428	113.0	
123 1,2,4-Trimethylbenzene	105	12.505	12.505	0.0	91	3554128	113.0	
124 sec-Butylbenzene	134	12.783	12.783	0.0	49	1113151	122.6	
125 4-Isopropyltoluene	119	12.783	12.783	0.0	91	4423405	118.4	
126 1,3-Dichlorobenzene	146	12.853	12.853	0.0	97	2036249	105.4	
128 1,4-Dichlorobenzene	146	12.940	12.940	0.0	95	1929974	102.7	
129 n-Butylbenzene	91	13.201	13.201	0.0	96	4020603	119.5	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	1656574	103.4	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.193	0.0	77	101437	105.3	
132 1,2,4-Trichlorobenzene	180	15.255	15.255	0.0	91	936926	111.7	
133 Hexachlorobutadiene	225	15.429	15.429	0.0	93	680766	112.6	
134 Naphthalene	128	15.655	15.655	0.0	97	1442675	106.9	
135 1,2,3-Trichlorobenzene	180	16.021	16.021	0.0	96	756107	109.2	
S 136 Trihalomethanes, Total	1				0		408.8	
S 137 Xylenes, Total (URS)	1				0		221.1	
S 138 Total BTEX	1				0		541.4	
S 139 1,3-Dichloropropene, Total	1				0		206.0	
S 140 1,2-Dichloroethene, Total	1				0		204.2	
S 141 Xylenes, Total	106				0		221.1	
S 142 1,2-Dichloroethene, Total (URS)	96				0		204.2	

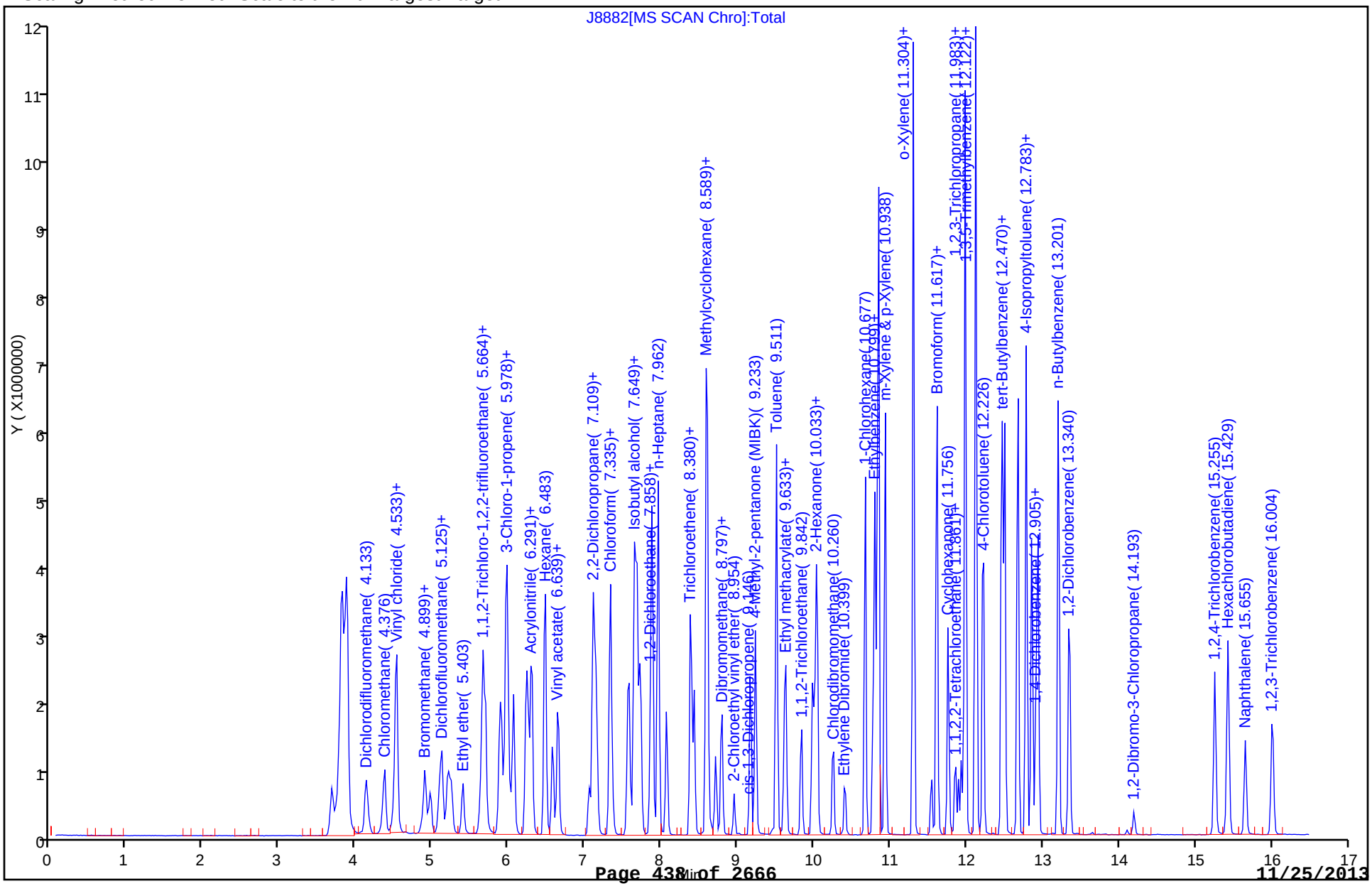
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8882.D

Injection Date:	21-Oct-2013 19:42:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	17
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Lims ID:	STD200	Client ID:	
Inject. Date:	21-Oct-2013 20:03:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD200		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	26
Lims Batch ID:	196983	Lims Sample ID:	18
Sublist:	chrom-SO_VMSJ_8260*sub56		
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:13	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: dukesa		Date:	21-Oct-2013 20:22:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.948	5.948	0.0	65	419792	1000.0	
* 1 Fluorobenzene	96	8.071	8.071	0.0	97	1680824	50.0	
* 2 Chlorobenzene-d5	119	10.786	10.786	0.0	77	367301	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.910	12.910	0.0	96	540857	50.0	
25 Dichlorodifluoromethane	85	4.120	4.120	0.0	99	3129878	196.9	
27 Chloromethane	50	4.364	4.364	0.0	100	3453775	209.4	
28 Vinyl chloride	62	4.520	4.520	0.0	98	3099681	198.9	
147 Butadiene	54	4.520	4.520	0.0	94	2515723	209.9	
31 Bromomethane	94	4.903	4.903	0.0	91	1993351	192.1	
32 Chloroethane	64	4.973	4.973	0.0	99	1699191	189.7	
33 Dichlorofluoromethane	67	5.112	5.112	0.0	94	4735478	190.3	
34 Trichlorofluoromethane	101	5.199	5.199	0.0	95	3621161	197.3	
37 Ethyl ether	59	5.391	5.391	0.0	97	1079160	189.8	
40 Acrolein	56		5.547					
41 Acetone	43	5.652	5.652	0.0	97	1060578	783.2	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.669	5.669	0.0	92	1914363	198.1	
45 1,1-Dichloroethene	96	5.686	5.686	0.0	96	1979004	199.2	
46 Iodomethane	142	5.878	5.878	0.0	98	4154120	201.7	
48 Methyl acetate	43	5.913	5.913	0.0	97	4221895	965.2	
49 3-Chloro-1-propene	41	5.965	5.965	0.0	68	4592300	197.5	
51 Carbon disulfide	76	5.982	5.982	0.0	99	9646479	203.3	
50 2-Methyl-2-propanol	59	6.017	6.017	0.0	78	1022231	2054.0	
52 Methylene Chloride	84	6.069	6.069	0.0	94	1882687	177.8	
53 Acrylonitrile	53	6.226	6.226	0.0	98	3526013	1911.8	
54 Methyl tert-butyl ether	73	6.261	6.261	0.0	92	3518301	210.0	
55 trans-1,2-Dichloroethene	96	6.296	6.296	0.0	93	2256297	197.6	
56 Hexane	57	6.470	6.470	0.0	95	4049133	212.3	
57 Vinyl acetate	43	6.574	6.574	0.0	96	4345375	356.8	
59 1,1-Dichloroethane	63	6.644	6.644	0.0	97	4469556	194.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
63 2-Butanone (MEK)	43	7.044	7.044	0.0	97	2477884	739.8	
64 sec-Butyl Alcohol	45	7.096	7.096	0.0	98	2729039	6555.1	
65 cis-1,2-Dichloroethene	96	7.114	7.114	0.0	86	2186648	205.0	
67 2,2-Dichloropropane	77	7.149	7.149	0.0	91	3435357	201.8	
70 Chloroform	83	7.340	7.340	0.0	96	3679581	191.8	
69 Chlorobromomethane	128	7.323	7.323	0.0	88	922921	199.0	
71 Tetrahydrofuran	42	7.357	7.357	0.0	90	577537	389.9	
73 1,1,1-Trichloroethane	97	7.566	7.566	0.0	94	3383124	203.6	
74 Cyclohexane	56	7.653	7.653	0.0	96	4626909	204.0	
72 Isobutyl alcohol	41	7.653	7.653	0.0	40	2907702	5161.4	
75 1,1-Dichloropropene	75	7.688	7.688	0.0	95	3363238	204.0	
76 Carbon tetrachloride	117	7.723	7.723	0.0	89	3370097	201.1	
77 1,2-Dichloroethane	62	7.862	7.862	0.0	97	2083757	182.0	
79 Benzene	78	7.880	7.880	0.0	97	8281070	202.6	
14 n-Heptane	43	7.967	7.967	0.0	95	4992440	203.8	
81 Trichloroethene	130	8.384	8.384	0.0	94	2544254	202.1	
82 2-Pentanone	43	8.437	8.437	0.0	98	4913303	803.4	
84 1,2-Dichloropropane	63	8.593	8.593	0.0	84	2115317	194.5	
85 Methylcyclohexane	55	8.593	8.593	0.0	95	3757133	196.9	
86 1,4-Dioxane	88	8.645	8.645	0.0	88	188801	3478.9	
87 Dibromomethane	93	8.715	8.715	0.0	86	919471	198.9	
88 Dichlorobromomethane	83	8.785	8.785	0.0	93	2441577	193.4	
89 2-Chloroethyl vinyl ether	63	8.959	8.959	0.0	93	516213	217.8	
91 cis-1,3-Dichloropropene	75	9.168	9.168	0.0	88	2735989	203.7	
92 4-Methyl-2-pentanone (MIBK)	43	9.237	9.237	0.0	97	4728472	800.4	
93 Toluene	91	9.516	9.516	0.0	92	8018649	210.1	
94 Ethyl methacrylate	69	9.620	9.620	0.0	91	1436056	231.2	
95 trans-1,3-Dichloropropene	75	9.638	9.638	0.0	96	2248892	197.7	
96 1,1,2-Trichloroethane	97	9.829	9.829	0.0	94	1044553	197.0	
97 2-Hexanone	43	9.986	9.986	0.0	98	3176059	835.3	
98 1,3-Dichloropropane	76	10.003	10.003	0.0	98	2075000	190.4	
99 Tetrachloroethene	164	10.038	10.038	0.0	95	1905204	196.5	
100 Chlorodibromomethane	129	10.247	10.247	0.0	86	1593892	203.6	
102 Ethylene Dibromide	107	10.403	10.403	0.0	98	1109150	193.3	
103 1-Chlorohexane	91	10.682	10.682	0.0	98	2898325	207.5	
104 Chlorobenzene	112	10.804	10.804	0.0	92	4772210	191.5	
105 Ethylbenzene	106	10.856	10.856	0.0	87	2710885	204.8	
106 1,1,1,2-Tetrachloroethane	131	10.839	10.839	0.0	42	1821328	200.9	
107 m-Xylene & p-Xylene	91	10.943	10.943	0.0	100	6562758	203.8	
108 Styrene	104	11.309	11.309	0.0	87	4445734	223.5	
109 o-Xylene	106	11.309	11.309	0.0	87	2931756	200.2	
110 Bromoform	173	11.535	11.535	0.0	92	853331	212.3	
111 Isopropylbenzene	105	11.604	11.604	0.0	97	8481403	197.5	
113 Cyclohexanone	55	11.761	11.761	0.0	96	2809129	9056.7	
114 1,1,2,2-Tetrachloroethane	83	11.848	11.848	0.0	94	1160009	185.4	
115 trans-1,4-Dichloro-2-butene	53	11.900	11.900	0.0	89	335391	194.9	
116 1,2,3-Trichloropropane	110	11.935	11.935	0.0	82	308681	191.2	
118 Bromobenzene	156	11.987	11.987	0.0	55	1916547	188.5	
117 N-Propylbenzene	120	11.987	11.987	0.0	95	2190504	187.0	
119 1,3,5-Trimethylbenzene	105	12.127	12.127	0.0	86	6172484	192.2	
120 2-Chlorotoluene	126	12.127	12.127	0.0	92	1889738	177.1	
121 4-Chlorotoluene	126	12.214	12.214	0.0	99	1808566	176.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
122 tert-Butylbenzene	119	12.475	12.475	0.0	89	6640563	190.9	
123 1,2,4-Trimethylbenzene	105	12.510	12.510	0.0	90	5917297	184.0	
124 sec-Butylbenzene	134	12.788	12.788	0.0	54	1763012	189.9	
125 4-Isopropyltoluene	119	12.788	12.788	0.0	95	7083865	185.3	
126 1,3-Dichlorobenzene	146	12.858	12.858	0.0	98	3457282	175.0	
128 1,4-Dichlorobenzene	146	12.945	12.945	0.0	97	3213565	167.1	
129 n-Butylbenzene	91	13.206	13.206	0.0	95	5902570	171.5	
130 1,2-Dichlorobenzene	146	13.345	13.345	0.0	97	2899808	177.0	
131 1,2-Dibromo-3-Chloropropane	157	14.198	14.198	0.0	81	203812	206.8	
132 1,2,4-Trichlorobenzene	180	15.260	15.260	0.0	94	1542927	179.8	
133 Hexachlorobutadiene	225	15.434	15.434	0.0	95	946254	153.0	
134 Naphthalene	128	15.660	15.660	0.0	97	2718733	196.6	
135 1,2,3-Trichlorobenzene	180	16.008	16.008	0.0	95	1279716	180.7	
S 136 Trihalomethanes, Total	1				0		801.1	
S 137 Xylenes, Total (URS)	1				0		404.0	
S 138 Total BTEX	1				0		1021.6	
S 139 1,3-Dichloropropene, Total	1				0		401.4	
S 140 1,2-Dichloroethene, Total	1				0		402.5	
S 141 Xylenes, Total	106				0		404.0	
S 142 1,2-Dichloroethene, Total (URS)	96				0		402.5	

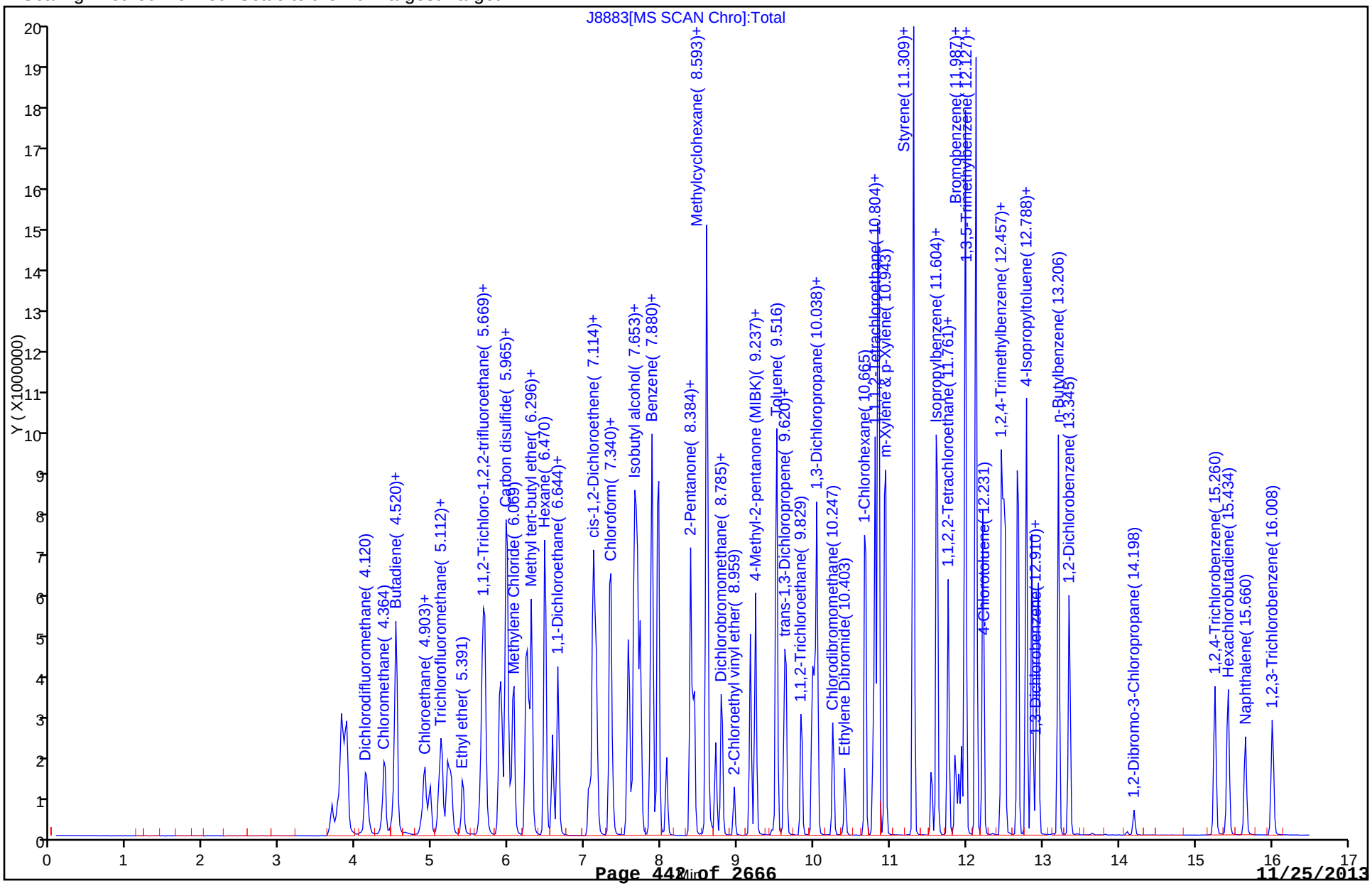
Report Date: 21-Oct-2013 23:37:13 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D

Injection Date:	21-Oct-2013 20:03:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	18
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/10 Calibration Date: 10/21/2013 17:11

Instrument ID: VMS_J Calib Start Date: 10/21/2013 14:09

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 16:49

Lab File ID: J8875.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.1737	0.1641		2360	2500	-5.5	50.0
2,2-Dichloro-1,1,1-trifluoro ethane	Ave	0.5748	0.4986		43.4	50.0	-13.3	50.0
Isopropyl alcohol	Lin2		0.8521		474	500	-5.2	50.0
Acetonitrile	Lin2		0.0343		788	500	57.6*	55.0
Isopropyl ether	Ave	0.1991	0.2137		53.7	50.0	7.3	35.0
2-Chloro-1,3-butadiene	Ave	0.5902	0.5502		46.6	50.0	-6.8	35.0
Tert-butyl ethyl ether	Ave	0.7750	0.9141		59.0	50.0	17.9	35.0
Propionitrile	Ave	0.0211	0.0318		755	500	51.1*	35.0
Methacrylonitrile	Ave	0.1126	0.1760		736	500	56.3*	50.0
Tert-amyl methyl ether	Ave	0.5413	0.7050		65.1	50.0	30.2	35.0
Methyl methacrylate	Lin2		0.0567		144	100	44.4*	35.0
cis-1,4-Dichloro-2-butene	Lin1		0.2600		71.6	50.0	43.2	55.0
Dibromofluoromethane (Surr)	Ave	0.3171	0.3272		51.6	50.0	3.2	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2726	0.3166		58.1	50.0	16.2	20.0
Toluene-d8 (Surr)	Ave	4.543	4.179		46.0	50.0	-8.0	20.0
4-Bromofluorobenzene (Surr)	Ave	1.014	0.9949		49.1	50.0	-1.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8875.D
Lims ID: ICV Client ID:
Inject. Date: 21-Oct-2013 17:11:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 18
Lims Batch ID: 196983 Lims Sample ID: 10
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 22-Oct-2013 16:11:17 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: seifertj Date: 22-Oct-2013 16:11:17

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.949	5.949	0.0	82	340158	1000.0	
* 1 Fluorobenzene	96	8.072	8.072	0.0	97	819414	50.0	
* 2 Chlorobenzene-d5	119	10.770	10.770	0.0	94	180436	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.911	12.911	0.0	97	245357	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.480	7.480	0.0	62	268126	51.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.794	7.794	0.0	98	259421	58.1	
$ 7 Toluene-d8 (Surr)	98	9.447	9.447	0.0	85	753970	46.0	
$ 8 4-Bromofluorobenzene (Surr)	95	11.797	11.797	0.0	95	244099	49.1	
24 Chlorotrifluoroethene	116	4.069	4.069	0.0	92	84146	66.1	
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85	4.278	4.278	0.0	98	264799	55.6	
29 2-Chloro-1,1,1-Trifluoroethane	118	4.556	4.556	0.0	32	302808	51.3	
30 Ethylene oxide	43	4.835	4.835	0.0	99	2599445	16038	
35 Ethanol	45	5.235	5.235	0.0	73	139544	2361.5	
36 1,2-Dichloro-1,1,2-trifluoroetha	117	5.374	5.374	0.0	87	260602	43.1	
38 1,1,1-Trifluoro-2,2-dichloroetha	83	5.409	5.409	0.0	86	408549	43.4	
39 Propene oxide	58	5.496	5.496	0.0	97	1908560	3592.8	
44 Isopropyl alcohol	45	5.670	5.670	0.0	95	144926	473.9	
47 Acetonitrile	41	5.896	5.896	0.0	100	280937	788.1	
58 Isopropyl ether	87	6.593	6.593	0.0	98	175115	53.7	
60 2-Chloro-1,3-butadiene	53	6.715	6.715	0.0	95	450868	46.6	
61 Tert-butyl ethyl ether	59	6.889	6.889	0.0	97	749027	59.0	
62 Ethyl acetate	43	7.045	7.045	0.0	99	451590	276.5	
66 Propionitrile	54	7.115	7.115	0.0	98	260714	755.5	
68 Methacrylonitrile	41	7.254	7.254	0.0	96	1441913	735.6	
78 Tert-amyl methyl ether	73	7.863	7.863	0.0	94	577720	65.1	
80 n-Butanol	56	8.090	8.090	0.0	95	152759	1318.4	
148 Ethyl acrylate	55	8.316	8.316	0.0	0	257279	72.7	
83 Methyl methacrylate	100	8.542	8.542	0.0	90	92896	144.4	
90 2-Nitropropane	41	8.960	8.960	0.0	97	97981	153.3	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
144 n-Butyl acetate	43	10.039	10.039	0.0	98	382026	141.7	
101 Tetrahydrothiophene	60	10.300	10.300	0.0	51	74686	38.8	
112 cis-1,4-Dichloro-2-butene	53	11.640	11.640	0.0	92	63800	71.6	
127 1,2,3-Trimethylbenzene	105	12.946	12.946	0.0	98	751522	52.8	
146 Benzyl chloride	126	13.050	13.050	0.0	99	57054	65.8	
16 1,3,5-Trichlorobenzene	180	14.443	14.443	0.0	97	298144	50.8	

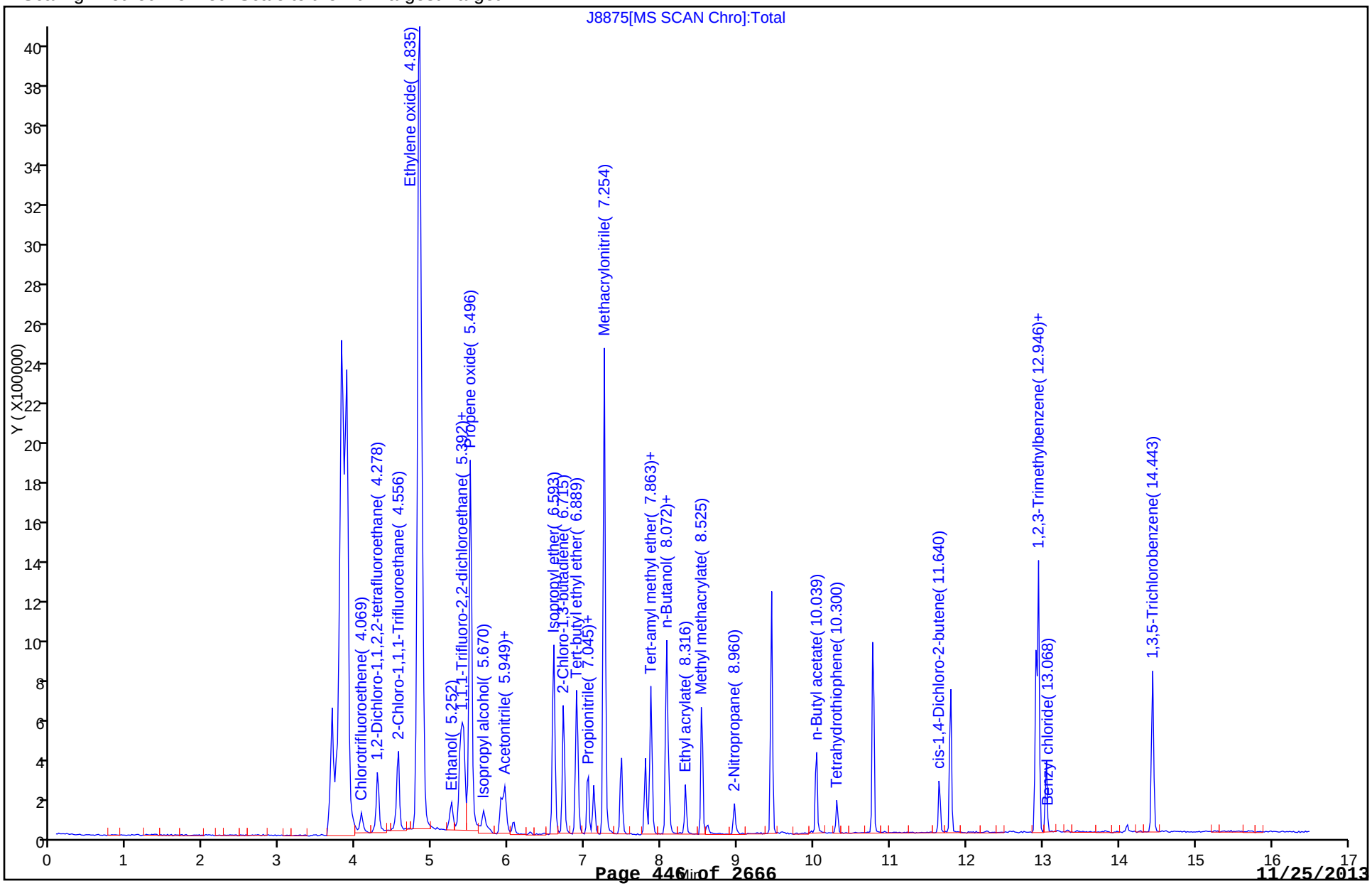
Report Date: 22-Oct-2013 16:11:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8875.D

Injection Date:	21-Oct-2013 17:11:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	10
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/19 Calibration Date: 10/21/2013 20:24

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8884.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.5020		54.8	50.0	9.7	20.0
Chloromethane	Ave	0.4907	0.5490		55.9	50.0	11.9	20.0
Vinyl chloride	Ave	0.4637	0.5210		56.2	50.0	12.4	20.0
Bromomethane	Ave	0.3087	0.3293		53.3	50.0	6.7	20.0
Chloroethane	Ave	0.2665	0.2769		52.0	50.0	3.9	20.0
Dichlorofluoromethane	Ave	0.7401	0.7769		52.5	50.0	5.0	50.0
Trichlorofluoromethane	Ave	0.5459	0.6047		55.4	50.0	10.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2875	0.2961		51.5	50.0	3.0	35.0
Acetone	Lin2		0.0507		234	200	17.0	20.0
1,1-Dichloroethene	Ave	0.2955	0.3154		53.4	50.0	6.7	20.0
Iodomethane	Ave	0.6127	0.6712		54.8	50.0	9.5	35.0
Methyl acetate	Ave	0.1301	0.1409		271	250	8.3	55.0
Allyl chloride	Ave	0.6916	0.6676		48.3	50.0	-3.5	35.0
Carbon disulfide	Ave	1.412	1.493		52.9	50.0	5.8	20.0
2-Methyl-2-propanol	Ave	1.186	1.318		556	500	11.1	50.0
Methylene Chloride	Ave	0.3149	0.3037		48.2	50.0	-3.6	20.0
Acrylonitrile	Ave	0.0549	0.0574		523	500	4.6	55.0
Methyl tert-butyl ether	Ave	0.4983	0.5481		55.0	50.0	10.0	20.0
trans-1,2-Dichloroethene	Ave	0.3397	0.3497		51.5	50.0	2.9	20.0
Hexane	Ave	2.597	2.954		56.9	50.0	13.8	35.0
Vinyl acetate	Ave	0.3623	0.3197		88.2	100	-11.8	55.0
1,1-Dichloroethane	Ave	0.6821	0.6867		50.3	50.0	0.7	20.0
2-Butanone (MEK)	Ave	0.0996	0.1135		228	200	13.9	20.0
2-Butanol	Ave	0.9917	1.164		1760	1500	17.3	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.3284		51.7	50.0	3.5	20.0
2,2-Dichloropropane	Ave	0.5063	0.5036		49.7	50.0	-0.5	20.0
Chlorobromomethane	Ave	0.1380	0.1389		50.3	50.0	0.7	20.0
Chloroform	Ave	0.5706	0.5532		48.5	50.0	-3.1	20.0
Tetrahydrofuran	Ave	0.0441	0.0470		107	100	6.6	55.0
1,1,1-Trichloroethane	Ave	0.4944	0.5144		52.0	50.0	4.1	20.0
Cyclohexane	Ave	0.6746	0.7061		52.3	50.0	4.7	35.0
Isobutyl alcohol	Ave	1.342	1.450		1350	1250	8.1	50.0
1,1-Dichloropropene	Ave	0.4903	0.5401		55.1	50.0	10.1	20.0
Carbon tetrachloride	Ave	0.4986	0.5135		51.5	50.0	3.0	20.0
1,2-Dichloroethane	Ave	0.3406	0.3247		47.7	50.0	-4.7	20.0
Benzene	Ave	1.216	1.217		50.0	50.0	0.0	20.0
Trichloroethene	Ave	0.3744	0.3874		51.7	50.0	3.5	20.0
2-Pentanone	Ave	0.1819	0.1575		173	200	-13.4	35.0
1,2-Dichloropropane	Ave	0.3236	0.3279		50.7	50.0	1.3	20.0
Methylcyclohexane	Ave	0.5675	0.5779		50.9	50.0	1.8	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/19 Calibration Date: 10/21/2013 20:24

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8884.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.0016	0.0018		1080	1000	8.4	55.0
Dibromomethane	Ave	0.1375	0.1366		49.7	50.0	-0.7	20.0
Dichlorobromomethane	Ave	0.3756	0.3522		46.9	50.0	-6.2	20.0
cis-1,3-Dichloropropene	Ave	1.829	1.881		51.4	50.0	2.9	20.0
4-Methyl-2-pentanone (MIBK)	Qua		0.2232		236	200	18.2	20.0
Toluene	Ave	1.135	1.175		51.8	50.0	3.5	20.0
Ethyl methacrylate	Ave	0.8456	1.039		61.4	50.0	22.9	35.0
trans-1,3-Dichloropropene	Lin1		0.3320		49.1	50.0	-1.7	20.0
1,1,2-Trichloroethane	Ave	0.1578	0.1568		49.7	50.0	-0.6	20.0
1,3-Dichloropropane	Ave	1.484	1.365		46.0	50.0	-8.0	20.0
Tetrachloroethene	Ave	1.320	1.297		49.2	50.0	-1.7	20.0
Chlorodibromomethane	Ave	1.066	1.074		50.4	50.0	0.8	20.0
Ethylene Dibromide	Ave	0.7811	0.7549		48.3	50.0	-3.4	20.0
1-Chlorohexane	Ave	1.902	2.101		55.2	50.0	10.5	35.0
Chlorobenzene	Ave	3.393	3.264		48.1	50.0	-3.8	20.0
1,1,1,2-Tetrachloroethane	Ave	1.234	1.229		49.8	50.0	-0.4	20.0
Ethylbenzene	Ave	1.802	1.843		51.2	50.0	2.3	20.0
m-Xylene & p-Xylene	Ave	4.383	4.521		51.6	50.0	3.1	20.0
o-Xylene	Ave	1.994	2.032		51.0	50.0	1.9	20.0
Styrene	Ave	2.708	2.983		55.1	50.0	10.2	20.0
Bromoform	Ave	0.5471	0.5469		50.0	50.0	-0.0	20.0
Isopropylbenzene	Ave	3.971	4.122		51.9	50.0	3.8	20.0
Cyclohexanone	Ave	0.0422	0.0605		2870	2000	43.4	55.0
1,1,2,2-Tetrachloroethane	Ave	0.5785	0.5475		47.3	50.0	-5.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1591	0.1773		55.7	50.0	11.4	55.0
1,2,3-Trichloropropane	Ave	0.1492	0.1552		52.0	50.0	4.0	20.0
Bromobenzene	Ave	0.9398	0.9301		49.5	50.0	-1.0	20.0
N-Propylbenzene	Ave	1.083	1.121		51.8	50.0	3.5	20.0
1,3,5-Trimethylbenzene	Ave	2.968	3.198		53.9	50.0	7.7	20.0
2-Chlorotoluene	Ave	0.9862	0.9724		49.3	50.0	-1.4	20.0
4-Chlorotoluene	Ave	0.9475	0.9492		50.1	50.0	0.2	20.0
tert-Butylbenzene	Ave	3.216	3.434		53.4	50.0	6.8	20.0
1,2,4-Trimethylbenzene	Ave	2.974	3.097		52.1	50.0	4.1	20.0
sec-Butylbenzene	Ave	0.8583	0.9039		52.7	50.0	5.3	20.0
4-Isopropyltoluene	Ave	3.533	3.800		53.8	50.0	7.6	20.0
1,3-Dichlorobenzene	Ave	1.826	1.770		48.5	50.0	-3.1	20.0
1,4-Dichlorobenzene	Ave	1.778	1.696		47.7	50.0	-4.6	20.0
n-Butylbenzene	Ave	3.182	3.435		54.0	50.0	8.0	20.0
1,2-Dichlorobenzene	Ave	1.514	1.478		48.8	50.0	-2.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0911	0.0983		53.9	50.0	7.8	20.0
1,2,4-Trichlorobenzene	Ave	0.7935	0.8356		52.7	50.0	5.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/19 Calibration Date: 10/21/2013 20:24

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8884.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorobutadiene	Ave	0.5718	0.5770		50.5	50.0	0.9	20.0
Naphthalene	Lin		1.455		57.2	50.0	14.5	20.0
1,2,3-Trichlorobenzene	Ave	0.6546	0.6968		53.2	50.0	6.4	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8884.D
Lims ID: ICV
Client ID:
Inject. Date: 21-Oct-2013 20:24:30
Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: SEIFERTJ
Instrument ID: VMS_J
Purge Vol: 5.000 mL
ALS Bottle#: 27
Lims Batch ID: 196983
Lims Sample ID: 19
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 22-Oct-2013 16:14:21
Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE
ID Type: Deconvolution ID
Column Type: DB-624
Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: dukesa
Date: 21-Oct-2013 23:51:51

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.949	0.011	41	418640	1000.0	
* 1 Fluorobenzene	96	8.066	8.072	-0.006	97	1584761	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.770	0.011	75	349091	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.911	0.011	89	494732	50.0	
25 Dichlorodifluoromethane	85	4.132	4.120	0.012	97	795614	54.8	
27 Chloromethane	50	4.376	4.364	0.012	100	869977	55.9	
147 Butadiene	54	4.532	4.520	0.012	88	661047	58.5	
28 Vinyl chloride	62	4.515	4.520	-0.005	98	825636	56.2	
31 Bromomethane	94	4.898	4.903	-0.005	92	521893	53.3	
32 Chloroethane	64	4.968	4.973	-0.005	99	438889	52.0	
33 Dichlorofluoromethane	67	5.124	5.112	0.012	91	1231125	52.5	
34 Trichlorofluoromethane	101	5.211	5.199	0.012	98	958300	55.4	
37 Ethyl ether	59	5.403	5.391	0.012	97	282531	52.7	
41 Acetone	43	5.664	5.652	0.012	95	321558	234.0	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.669	-0.005	93	469318	51.5	
45 1,1-Dichloroethene	96	5.699	5.686	0.013	98	499836	53.4	
46 Iodomethane	142	5.890	5.878	0.012	99	1063609	54.8	
48 Methyl acetate	43	5.907	5.913	-0.006	90	1116763	270.8	
49 3-Chloro-1-propene	41	5.960	5.965	-0.005	77	1058005	48.3	
51 Carbon disulfide	76	5.977	5.982	-0.005	99	2366137	52.9	
50 2-Methyl-2-propanol	59	6.029	6.017	0.012	54	275814	555.7	
52 Methylene Chloride	84	6.064	6.069	-0.005	94	481357	48.2	
53 Acrylonitrile	53	6.238	6.226	0.012	98	909255	522.9	
54 Methyl tert-butyl ether	73	6.256	6.261	-0.005	99	868573	55.0	
55 trans-1,2-Dichloroethene	96	6.308	6.296	0.012	95	554213	51.5	
56 Hexane	57	6.482	6.470	0.012	95	1031203	56.9	
57 Vinyl acetate	43	6.569	6.574	-0.005	90	1013240	88.2	
59 1,1-Dichloroethane	63	6.639	6.644	-0.006	97	1088300	50.3	
63 2-Butanone (MEK)	43	7.056	7.044	0.012	98	719508	227.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
64 sec-Butyl Alcohol	45	7.091	7.096	-0.005	98	730672	1759.9	
65 cis-1,2-Dichloroethene	96	7.108	7.114	-0.006	87	520431	51.7	
67 2,2-Dichloropropane	77	7.143	7.149	-0.006	93	798115	49.7	
69 Chlorobromomethane	128	7.335	7.323	0.012	90	220096	50.3	
70 Chloroform	83	7.335	7.340	-0.005	96	876622	48.5	
71 Tetrahydrofuran	42	7.370	7.357	0.013	88	148945	106.6	
73 1,1,1-Trichloroethane	97	7.578	7.566	0.012	91	815235	52.0	
74 Cyclohexane	56	7.648	7.653	-0.005	97	1118981	52.3	
72 Isobutyl alcohol	41	7.648	7.653	-0.005	38	758919	1350.9	
75 1,1-Dichloropropene	75	7.683	7.688	-0.005	93	855896	55.1	
76 Carbon tetrachloride	117	7.718	7.723	-0.005	76	813828	51.5	
77 1,2-Dichloroethane	62	7.857	7.862	-0.005	97	514537	47.7	
79 Benzene	78	7.874	7.880	-0.006	98	1928295	50.0	
14 n-Heptane	43	7.961	7.967	-0.006	96	1205431	52.2	
81 Trichloroethene	130	8.379	8.384	-0.005	94	613877	51.7	
82 2-Pentanone	43	8.431	8.437	-0.006	97	998216	173.1	
84 1,2-Dichloropropane	63	8.588	8.593	-0.005	77	519659	50.7	
85 Methylcyclohexane	55	8.605	8.593	0.012	92	915855	50.9	
86 1,4-Dioxane	88	8.658	8.645	0.013	93	55478	1084.2	
87 Dibromomethane	93	8.710	8.715	-0.005	84	216445	49.7	
88 Dichlorobromomethane	83	8.797	8.785	0.012	92	558181	46.9	
89 2-Chloroethyl vinyl ether	63	8.953	8.959	-0.006	93	120666	54.0	
91 cis-1,3-Dichloropropene	75	9.162	9.168	-0.006	85	656752	51.4	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.237	-0.005	97	1415055	236.4	
93 Toluene	91	9.510	9.516	-0.006	91	1862344	51.8	
94 Ethyl methacrylate	69	9.615	9.620	-0.005	92	362647	61.4	
95 trans-1,3-Dichloropropene	75	9.632	9.638	-0.006	99	526130	49.1	
96 1,1,2-Trichloroethane	97	9.841	9.829	0.012	95	248509	49.7	
97 2-Hexanone	43		9.986					
98 1,3-Dichloropropane	76	10.015	10.003	0.012	94	476533	46.0	
99 Tetrachloroethene	164	10.050	10.038	0.012	97	452911	49.2	
100 Chlorodibromomethane	129	10.259	10.247	0.012	86	374846	50.4	
102 Ethylene Dibromide	107	10.416	10.403	0.013	98	263510	48.3	
103 1-Chlorohexane	91	10.677	10.682	-0.005	96	733312	55.2	
104 Chlorobenzene	112	10.798	10.804	-0.006	88	1139414	48.1	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.839	0.012	42	428992	49.8	
105 Ethylbenzene	106	10.851	10.856	-0.005	89	643504	51.2	
107 m-Xylene & p-Xylene	91	10.938	10.943	-0.005	99	1578090	51.6	
108 Styrene	104	11.303	11.309	-0.006	82	1041454	55.1	
109 o-Xylene	106	11.303	11.309	-0.006	86	709450	51.0	
110 Bromoform	173	11.547	11.535	0.012	93	190909	50.0	
111 Isopropylbenzene	105	11.617	11.604	0.013	96	2039157	51.9	
113 Cyclohexanone	55	11.756	11.761	-0.005	97	845373	2867.7	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.848	0.012	81	270873	47.3	
115 trans-1,4-Dichloro-2-butene	53	11.895	11.900	-0.005	82	87693	55.7	
116 1,2,3-Trichloropropane	110	11.930	11.935	-0.005	53	76779	52.0	A
118 Bromobenzene	156	11.982	11.987	-0.005	57	460128	49.5	
117 N-Propylbenzene	120	11.982	11.987	-0.005	97	554677	51.8	
120 2-Chlorotoluene	126	12.121	12.127	-0.006	84	481079	49.3	
119 1,3,5-Trimethylbenzene	105	12.121	12.127	-0.006	87	1581982	53.9	
121 4-Chlorotoluene	126	12.226	12.214	0.012	97	469584	50.1	
122 tert-Butylbenzene	119	12.469	12.475	-0.006	91	1698948	53.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 1,2,4-Trimethylbenzene	105	12.504	12.510	-0.006	91	1532113	52.1	
125 4-Isopropyltoluene	119	12.783	12.788	-0.005	95	1880024	53.8	
124 sec-Butylbenzene	134	12.678	12.788	-0.110	94	447169	52.7	
126 1,3-Dichlorobenzene	146	12.852	12.858	-0.006	96	875728	48.5	
128 1,4-Dichlorobenzene	146	12.939	12.945	-0.006	93	839139	47.7	
129 n-Butylbenzene	91	13.201	13.206	-0.006	96	1699408	54.0	
130 1,2-Dichlorobenzene	146	13.357	13.345	0.012	98	730996	48.8	
131 1,2-Dibromo-3-Chloropropane	157	14.193	14.198	-0.005	74	48606	53.9	
132 1,2,4-Trichlorobenzene	180	15.254	15.260	-0.006	94	413417	52.7	
133 Hexachlorobutadiene	225	15.428	15.434	-0.006	92	285456	50.5	
134 Naphthalene	128	15.655	15.660	-0.005	97	719701	57.2	
135 1,2,3-Trichlorobenzene	180	16.020	16.008	0.012	95	344727	53.2	
S 136 Trihalomethanes, Total	1				0		195.7	
S 137 Xylenes, Total (URS)	1				0		102.5	
S 139 1,3-Dichloropropene, Total	1				0		100.6	
S 140 1,2-Dichloroethene, Total	1				0		103.2	
S 141 Xylenes, Total	106				0		102.5	
S 142 1,2-Dichloroethene, Total (URS)	96				0		103.2	

QC Flag Legend

Review Flags
A - User Assigned ID

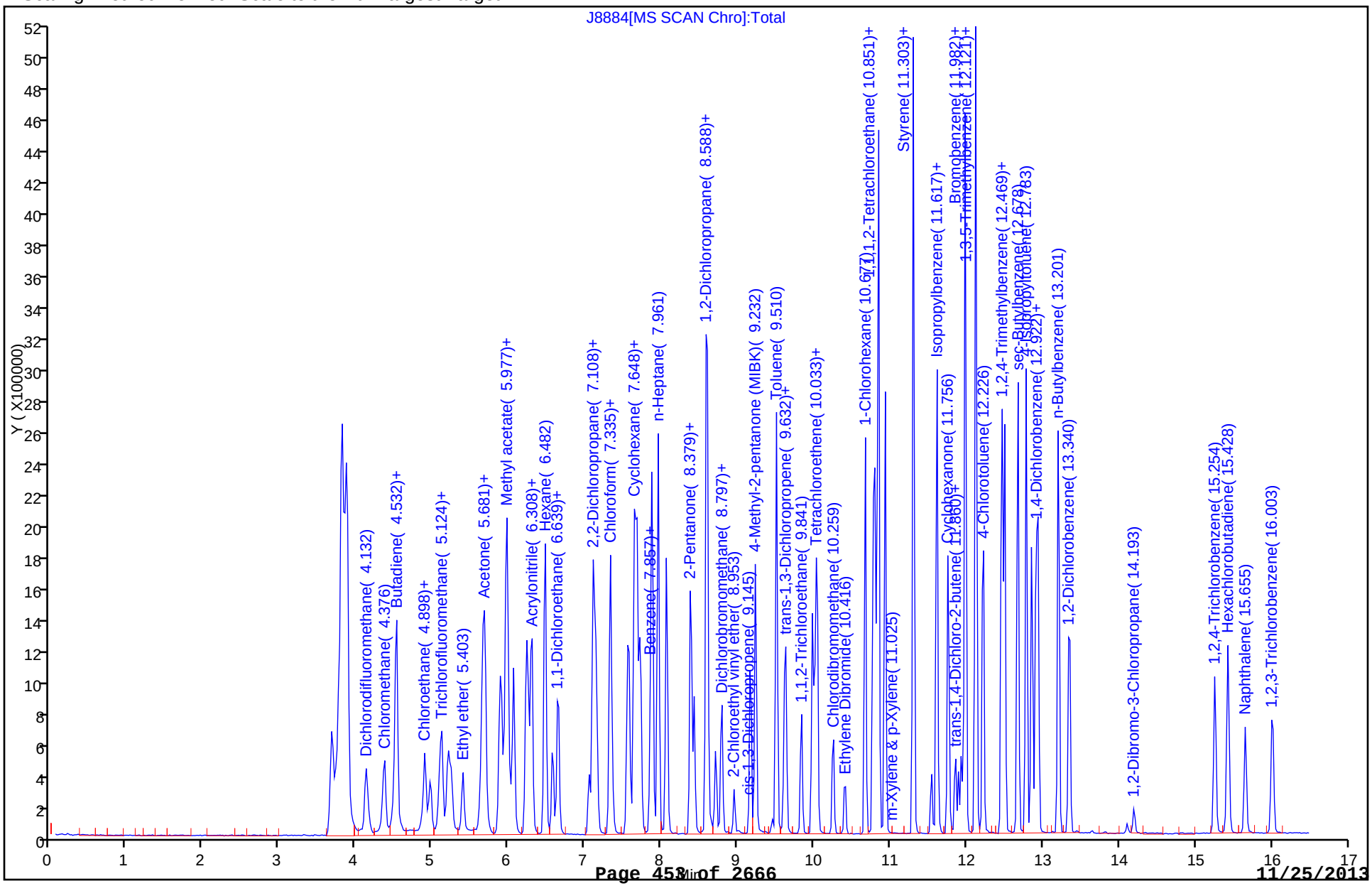
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TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8884.D

Injection Date:	21-Oct-2013 20:24:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	19
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



Manual Integration/User Assign Peak Report

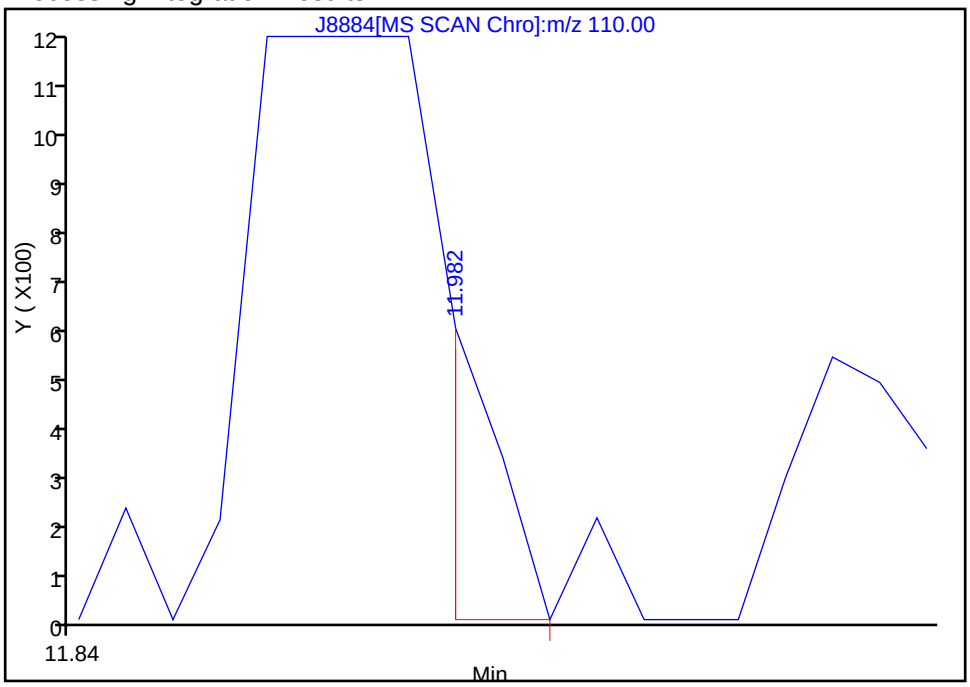
TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8884.D		
Injection Date:	21-Oct-2013 20:24:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	19
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

116 1,2,3-Trichloropropane, Signal: 1, m/z: 110.0 Type: quant, RT: 11.94

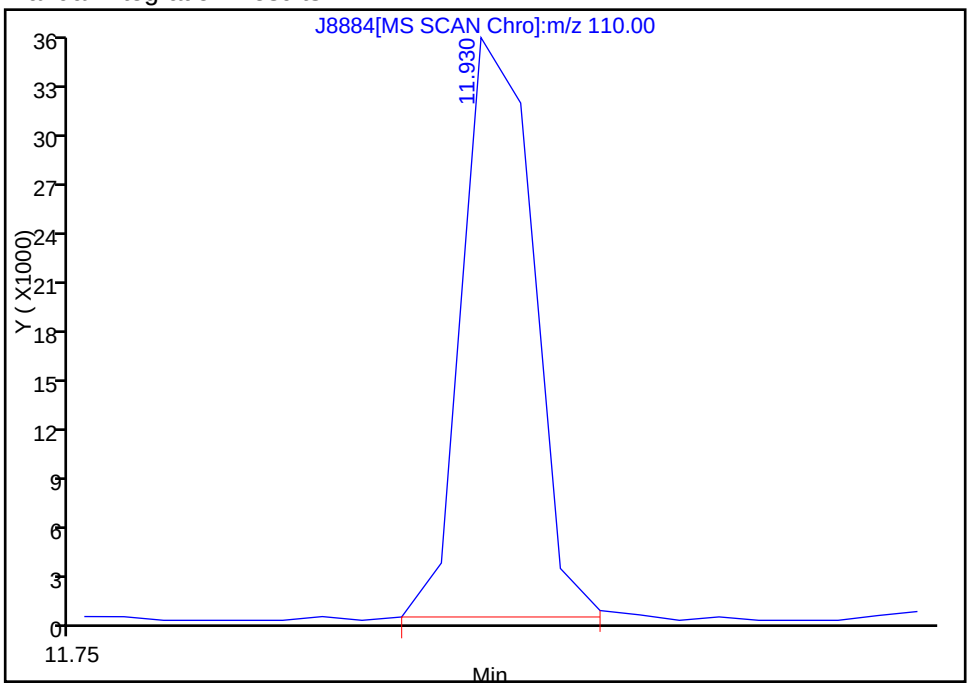
Processing Integration Results

RT: 11.98
Response: 972
Amount: 0.658231



Manual Integration Results

RT: 11.93
Response: 76779
Amount: 51.994162



Reviewer: dukesa, 21-Oct-2013 23:51:51
Audit Action: Assigned Compound ID
Audit Reason: Assign Peak

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196983/35 Calibration Date: 10/21/2013 23:57

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J8892.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	0.5176	0.4400		170	200	-15.0	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8892.D
Lims ID: ICV Client ID:
Inject. Date: 21-Oct-2013 23:57:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: SEIFERTJ Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 35
Lims Batch ID: 196983 Lims Sample ID: 35
Sublist:
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m
Last Update: 22-Oct-2013 16:13:56 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK023

First Level Reviewer: dukesa Date: 22-Oct-2013 00:18:21

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.948	5.949	-0.001	70	406976	1000.0	
* 1 Fluorobenzene	96	8.072	8.072	0.0	97	1413106	50.0	
* 2 Chlorobenzene-d5	119	10.787	10.770	0.017	89	302702	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.911	12.911	0.0	97	385108	50.0	
25 Dichlorodifluoromethane	85	4.138	4.120	0.018	98	454421	36.0	
27 Chloromethane	50	4.364	4.364	0.0	99	486344	35.1	
147 Butadiene	54	4.538	4.520	0.018	93	350348	34.8	
28 Vinyl chloride	62	4.521	4.520	0.001	99	478364	36.5	
31 Bromomethane	94	4.904	4.903	0.001	91	306741	35.2	
32 Chloroethane	64	4.974	4.973	0.001	99	274690	36.5	
33 Dichlorofluoromethane	67	5.113	5.112	0.001	94	875283	41.8	
34 Trichlorofluoromethane	101	5.200	5.199	0.001	94	609662	39.5	
41 Acetone	43	5.652	5.652	0.0	97	254006	204.3	
63 2-Butanone (MEK)	43	7.045	7.044	0.001	97	397903	141.3	
92 4-Methyl-2-pentanone (MIBK)	43	9.238	9.237	0.001	98	843480	158.7	
97 2-Hexanone	43	9.986	9.986	0.0	98	532751	170.0	
113 Cyclohexanone	55	11.762	11.761	0.001	96	179971	704.1	

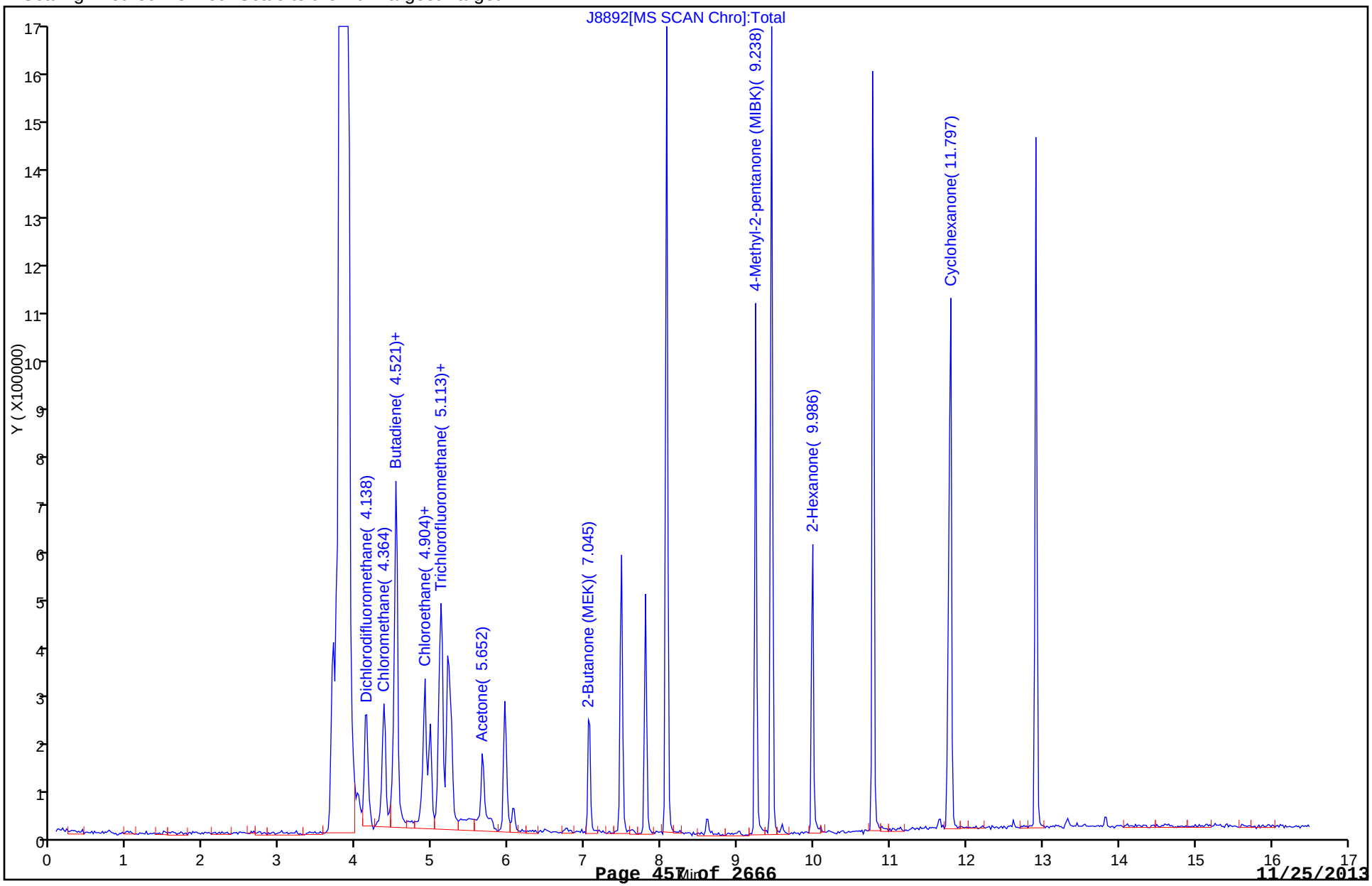
Report Date: 22-Oct-2013 16:13:57 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8892.D

Injection Date:	21-Oct-2013 23:57:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	35
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198398/2 Calibration Date: 10/29/2013 17:07

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J9000.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Lin1		0.4545		49.9	50.0	-0.3	20.0
Chloromethane	Ave	0.4907	0.4314		44.0	50.0	-12.1	20.0
Vinyl chloride	Ave	0.4637	0.3945		42.5	50.0	-14.9	20.0
Bromomethane	Ave	0.3087	0.2611		42.3	50.0	-15.4	20.0
Chloroethane	Ave	0.2665	0.2193		41.2	50.0	-17.7	20.0
Dichlorofluoromethane	Ave	0.7401	0.6351		42.9	50.0	-14.2	50.0
Trichlorofluoromethane	Ave	0.5459	0.5140		47.1	50.0	-5.8	20.0
1,1,2-Trichloro-1,2,2-triflu oroethane	Ave	0.2875	0.2656		46.2	50.0	-7.6	50.0
Acetone	Lin2		0.0462		211	200	5.4	20.0
1,1-Dichloroethene	Ave	0.2955	0.2866		48.5	50.0	-3.0	20.0
Iodomethane	Ave	0.6127	0.5772		47.1	50.0	-5.8	35.0
Methyl acetate	Ave	0.1301	0.1345		258	250	3.4	50.0
Allyl chloride	Ave	0.6916	0.6762		48.9	50.0	-2.2	35.0
Carbon disulfide	Ave	1.412	1.369		48.5	50.0	-3.0	20.0
2-Methyl-2-propanol	Ave	1.186	1.058		446	500	-10.8	50.0
Methylene Chloride	Ave	0.3149	0.3167		50.3	50.0	0.6	20.0
Acrylonitrile	Ave	0.0549	0.0552		503	500	0.6	50.0
Methyl tert-butyl ether	Ave	0.4983	0.5002		50.2	50.0	0.4	20.0
trans-1,2-Dichloroethene	Ave	0.3397	0.3357		49.4	50.0	-1.2	20.0
Hexane	Ave	2.597	2.276		43.8	50.0	-12.3	35.0
Vinyl acetate	Ave	0.3623	0.4014		111	100	10.8	50.0
1,1-Dichloroethane	Ave	0.6821	0.6558		48.1	50.0	-3.8	20.0
2-Butanone (MEK)	Ave	0.0996	0.1020		205	200	2.3	20.0
2-Butanol	Ave	0.9917	0.9077		1370	1500	-8.5	50.0
cis-1,2-Dichloroethene	Ave	0.3174	0.3235		51.0	50.0	1.9	20.0
2,2-Dichloropropane	Ave	0.5063	0.5170		51.1	50.0	2.1	20.0
Chlorobromomethane	Ave	0.1380	0.1435		52.0	50.0	4.0	20.0
Chloroform	Ave	0.5706	0.5636		49.4	50.0	-1.2	20.0
Tetrahydrofuran	Ave	0.0441	0.0435		98.6	100	-1.4	50.0
1,1,1-Trichloroethane	Ave	0.4944	0.5094		51.5	50.0	3.0	20.0
Cyclohexane	Ave	0.6746	0.6496		48.1	50.0	-3.7	35.0
Isobutyl alcohol	Ave	1.342	1.068		995	1250	-20.4	50.0
1,1-Dichloropropene	Ave	0.4903	0.5057		51.6	50.0	3.1	20.0
Carbon tetrachloride	Ave	0.4986	0.4987		50.0	50.0	0.0	20.0
1,2-Dichloroethane	Ave	0.3406	0.3236		47.5	50.0	-5.0	20.0
Benzene	Ave	1.216	1.222		50.3	50.0	0.5	20.0
Trichloroethene	Ave	0.3744	0.3745		50.0	50.0	0.0	20.0
2-Pentanone	Ave	0.1819	0.2047		225	200	12.5	35.0
1,2-Dichloropropane	Ave	0.3236	0.3359		51.9	50.0	3.8	20.0
Methylcyclohexane	Ave	0.5675	0.5510		48.5	50.0	-2.9	35.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198398/2 Calibration Date: 10/29/2013 17:07

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J9000.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.0016	0.0016		977	1000	-2.3	50.0
Dibromomethane	Ave	0.1375	0.1488		54.1	50.0	8.3	20.0
Dichlorobromomethane	Ave	0.3756	0.3851		51.3	50.0	2.5	20.0
cis-1,3-Dichloropropene	Ave	1.829	1.742		47.6	50.0	-4.8	20.0
4-Methyl-2-pentanone (MIBK)	Qua		0.1791		190	200	-5.1	20.0
Toluene	Ave	1.135	1.239		54.6	50.0	9.1	20.0
Ethyl methacrylate	Ave	0.8456	0.8286		49.0	50.0	-2.0	35.0
trans-1,3-Dichloropropene	Lin1		0.3590		53.1	50.0	6.3	20.0
1,1,2-Trichloroethane	Ave	0.1578	0.1753		55.6	50.0	11.1	20.0
2-Hexanone	Ave	0.5176	0.4757		184	200	-8.1	20.0
1,3-Dichloropropane	Ave	1.484	1.440		48.5	50.0	-2.9	20.0
Tetrachloroethene	Ave	1.320	1.318		49.9	50.0	-0.1	20.0
Chlorodibromomethane	Ave	1.066	1.069		50.2	50.0	0.3	20.0
Ethylene Dibromide	Ave	0.7811	0.7625		48.8	50.0	-2.4	20.0
1-Chlorohexane	Ave	1.902	2.045		53.8	50.0	7.5	35.0
Chlorobenzene	Ave	3.393	3.342		49.2	50.0	-1.5	20.0
1,1,1,2-Tetrachloroethane	Ave	1.234	1.227		49.7	50.0	-0.6	20.0
Ethylbenzene	Ave	1.802	1.880		52.2	50.0	4.3	20.0
m-Xylene & p-Xylene	Ave	4.383	4.630		52.8	50.0	5.6	20.0
o-Xylene	Ave	1.994	2.117		53.1	50.0	6.2	20.0
Styrene	Ave	2.708	2.994		55.3	50.0	10.5	20.0
Bromoform	Ave	0.5471	0.5781		52.8	50.0	5.7	20.0
Isopropylbenzene	Ave	3.971	4.076		51.3	50.0	2.7	20.0
Cyclohexanone	Ave	0.0422	0.0419		1980	2000	-0.8	50.0
1,1,2,2-Tetrachloroethane	Ave	0.5785	0.6038		52.2	50.0	4.4	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1591	0.1564		49.2	50.0	-1.7	50.0
1,2,3-Trichloropropane	Ave	0.1492	0.1502		50.3	50.0	0.7	20.0
Bromobenzene	Ave	0.9398	0.9595		51.1	50.0	2.1	20.0
N-Propylbenzene	Ave	1.083	1.150		53.1	50.0	6.2	20.0
1,3,5-Trimethylbenzene	Ave	2.968	3.169		53.4	50.0	6.8	20.0
2-Chlorotoluene	Ave	0.9862	0.996		50.5	50.0	1.0	20.0
4-Chlorotoluene	Ave	0.9475	0.9564		50.5	50.0	0.9	20.0
tert-Butylbenzene	Ave	3.216	3.370		52.4	50.0	4.8	20.0
1,2,4-Trimethylbenzene	Ave	2.974	3.129		52.6	50.0	5.2	20.0
sec-Butylbenzene	Ave	0.8583	0.9017		52.5	50.0	5.1	20.0
4-Isopropyltoluene	Ave	3.533	3.850		54.5	50.0	9.0	20.0
1,3-Dichlorobenzene	Ave	1.826	1.861		51.0	50.0	1.9	20.0
1,4-Dichlorobenzene	Ave	1.778	1.797		50.5	50.0	1.1	20.0
n-Butylbenzene	Ave	3.182	3.554		55.8	50.0	11.7	20.0
1,2-Dichlorobenzene	Ave	1.514	1.551		51.2	50.0	2.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.0911	0.0908		49.8	50.0	-0.3	20.0

FORM VII
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SDG No.:

Lab Sample ID: CCV 280-198398/2 Calibration Date: 10/29/2013 17:07

Instrument ID: VMS_J Calib Start Date: 10/21/2013 17:32

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 20:03

Lab File ID: J9000.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,2,4-Trichlorobenzene	Ave	0.7935	0.8549		53.9	50.0	7.7	20.0
Hexachlorobutadiene	Ave	0.5718	0.6521		57.0	50.0	14.0	20.0
Naphthalene	Lin		1.183		46.6	50.0	-6.8	20.0
1,2,3-Trichlorobenzene	Ave	0.6546	0.6928		52.9	50.0	5.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9000.D
Lims ID: CCV Client ID:
Inject. Date: 29-Oct-2013 17:07:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 10
Lims Batch ID: 198398 Lims Sample ID: 2
Sublist: chrom-SO_VMSJ_8260*sub74
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:35:06 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 29-Oct-2013 17:26:45

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.944	5.944	0.0	74	430648	1000.0	
* 1 Fluorobenzene	96	8.067	8.067	0.0	98	1341697	50.0	
* 2 Chlorobenzene-d5	119	10.782	10.782	0.0	84	320466	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.923	12.923	0.0	94	473614	50.0	
25 Dichlorodifluoromethane	85	4.133	4.133	0.0	99	609773	49.9	
27 Chloromethane	50	4.360	4.360	0.0	100	578788	44.0	
28 Vinyl chloride	62	4.516	4.516	0.0	98	529292	42.5	
147 Butadiene	54	4.534	4.534	0.0	88	426542	44.6	
31 Bromomethane	94	4.899	4.899	0.0	93	350251	42.3	
32 Chloroethane	64	4.969	4.969	0.0	99	294267	41.2	
33 Dichlorofluoromethane	67	5.108	5.108	0.0	94	852168	42.9	
34 Trichlorofluoromethane	101	5.213	5.213	0.0	98	689643	47.1	
37 Ethyl ether	59	5.404	5.404	0.0	96	186703	41.1	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.665	5.665	0.0	93	356379	46.2	
41 Acetone	43	5.665	5.665	0.0	95	247904	210.8	
45 1,1-Dichloroethene	96	5.683	5.683	0.0	95	384471	48.5	
46 Iodomethane	142	5.874	5.874	0.0	98	774364	47.1	
48 Methyl acetate	43	5.909	5.909	0.0	90	902154	258.4	
49 3-Chloro-1-propene	41	5.961	5.961	0.0	75	907240	48.9	
51 Carbon disulfide	76	5.978	5.978	0.0	99	1836479	48.5	
50 2-Methyl-2-propanol	59	6.013	6.013	0.0	53	227762	446.1	
52 Methylene Chloride	84	6.065	6.065	0.0	94	424883	50.3	
53 Acrylonitrile	53	6.222	6.222	0.0	99	740288	502.8	
54 Methyl tert-butyl ether	73	6.257	6.257	0.0	93	671127	50.2	
55 trans-1,2-Dichloroethene	96	6.292	6.292	0.0	93	450347	49.4	
56 Hexane	57	6.466	6.466	0.0	94	729402	43.8	
57 Vinyl acetate	43	6.570	6.570	0.0	97	1077188	110.8	
59 1,1-Dichloroethane	63	6.640	6.640	0.0	97	879887	48.1	
63 2-Butanone (MEK)	43	7.058	7.058	0.0	98	547182	204.7	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
64 sec-Butyl Alcohol	45	7.092	7.092	0.0	97	586376	1373.0	
65 cis-1,2-Dichloroethene	96	7.110	7.110	0.0	87	434088	51.0	
67 2,2-Dichloropropane	77	7.145	7.145	0.0	94	693627	51.1	
69 Chlorobromomethane	128	7.319	7.319	0.0	93	192520	52.0	
70 Chloroform	83	7.336	7.336	0.0	96	756181	49.4	
71 Tetrahydrofuran	42	7.353	7.353	0.0	87	116635	98.6	
73 1,1,1-Trichloroethane	97	7.562	7.562	0.0	90	683466	51.5	
74 Cyclohexane	56	7.649	7.649	0.0	96	871546	48.1	
72 Isobutyl alcohol	41	7.649	7.649	0.0	39	574767	994.5	
75 1,1-Dichloropropene	75	7.684	7.684	0.0	87	678533	51.6	
76 Carbon tetrachloride	117	7.719	7.719	0.0	78	669053	50.0	
77 1,2-Dichloroethane	62	7.858	7.858	0.0	91	434176	47.5	
79 Benzene	78	7.876	7.876	0.0	98	1639641	50.3	
14 n-Heptane	43	7.963	7.963	0.0	95	962676	49.2	
81 Trichloroethene	130	8.380	8.380	0.0	93	502516	50.0	
82 2-Pentanone	43	8.433	8.433	0.0	97	1098759	225.1	
84 1,2-Dichloropropane	63	8.589	8.589	0.0	73	450653	51.9	
85 Methylcyclohexane	55	8.589	8.589	0.0	87	739206	48.5	
86 1,4-Dioxane	88	8.642	8.642	0.0	94	42308	976.6	
87 Dibromomethane	93	8.711	8.711	0.0	84	199700	54.1	
88 Dichlorobromomethane	83	8.781	8.781	0.0	97	516662	51.3	
89 2-Chloroethyl vinyl ether	63	8.955	8.955	0.0	93	113217	59.8	
91 cis-1,3-Dichloropropene	75	9.164	9.164	0.0	86	558110	47.6	
92 4-Methyl-2-pentanone (MIBK)	43	9.233	9.233	0.0	97	961425	189.9	
93 Toluene	91	9.512	9.512	0.0	92	1662556	54.6	
94 Ethyl methacrylate	69	9.616	9.616	0.0	91	265541	49.0	
95 trans-1,3-Dichloropropene	75	9.634	9.634	0.0	97	481690	53.1	
96 1,1,2-Trichloroethane	97	9.843	9.843	0.0	94	235160	55.6	
97 2-Hexanone	43	9.982	9.982	0.0	98	609718	183.8	
98 1,3-Dichloropropane	76	10.017	10.017	0.0	99	461573	48.5	
99 Tetrachloroethene	164	10.034	10.034	0.0	92	422306	49.9	
100 Chlorodibromomethane	129	10.243	10.243	0.0	86	342644	50.2	
102 Ethylene Dibromide	107	10.399	10.399	0.0	97	244369	48.8	
103 1-Chlorohexane	91	10.678	10.678	0.0	98	655263	53.8	
104 Chlorobenzene	112	10.800	10.800	0.0	90	1070884	49.2	
106 1,1,1,2-Tetrachloroethane	131	10.852	10.852	0.0	43	393268	49.7	
105 Ethylbenzene	106	10.852	10.852	0.0	87	602420	52.2	
107 m-Xylene & p-Xylene	91	10.939	10.939	0.0	100	1483774	52.8	
109 o-Xylene	106	11.305	11.305	0.0	87	678491	53.1	
108 Styrene	104	11.305	11.305	0.0	83	959451	55.3	
110 Bromoform	173	11.548	11.548	0.0	94	185268	52.8	
111 Isopropylbenzene	105	11.618	11.618	0.0	96	1930557	51.3	
113 Cyclohexanone	55	11.757	11.757	0.0	97	536859	1983.8	
114 1,1,2,2-Tetrachloroethane	83	11.862	11.862	0.0	80	285954	52.2	
115 trans-1,4-Dichloro-2-butene	53	11.896	11.896	0.0	83	74091	49.2	
116 1,2,3-Trichloropropane	110	11.931	11.931	0.0	89	71148	50.3	
118 Bromobenzene	156	11.983	11.983	0.0	56	454451	51.1	
117 N-Propylbenzene	120	11.983	11.983	0.0	95	544788	53.1	
120 2-Chlorotoluene	126	12.123	12.123	0.0	86	471890	50.5	
119 1,3,5-Trimethylbenzene	105	12.123	12.123	0.0	87	1500954	53.4	
121 4-Chlorotoluene	126	12.227	12.227	0.0	97	452952	50.5	
122 tert-Butylbenzene	119	12.471	12.471	0.0	91	1596003	52.4	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
123 1,2,4-Trimethylbenzene	105	12.506	12.506	0.0	91	1481966	52.6	
124 sec-Butylbenzene	134	12.680	12.680	0.0	94	427039	52.5	
125 4-Isopropyltoluene	119	12.784	12.784	0.0	95	1823608	54.5	
126 1,3-Dichlorobenzene	146	12.854	12.854	0.0	96	881508	51.0	
128 1,4-Dichlorobenzene	146	12.941	12.941	0.0	95	851114	50.5	
129 n-Butylbenzene	91	13.202	13.202	0.0	96	1683181	55.8	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	734677	51.2	
131 1,2-Dibromo-3-Chloropropane	157	14.194	14.194	0.0	77	43009	49.8	
132 1,2,4-Trichlorobenzene	180	15.256	15.256	0.0	93	404913	53.9	
133 Hexachlorobutadiene	225	15.430	15.430	0.0	93	308844	57.0	
134 Naphthalene	128	15.656	15.656	0.0	97	560129	46.6	
135 1,2,3-Trichlorobenzene	180	16.022	16.022	0.0	94	328120	52.9	
S 136 Trihalomethanes, Total	1				0		203.7	
S 137 Xylenes, Total (URS)	1				0		105.9	
S 138 Total BTEX	1				0		262.9	
S 139 1,3-Dichloropropene, Total	1				0		100.8	
S 140 1,2-Dichloroethene, Total	1				0		100.4	
S 141 Xylenes, Total	106				0		105.9	
S 142 1,2-Dichloroethene, Total (URS)	96				0		100.4	

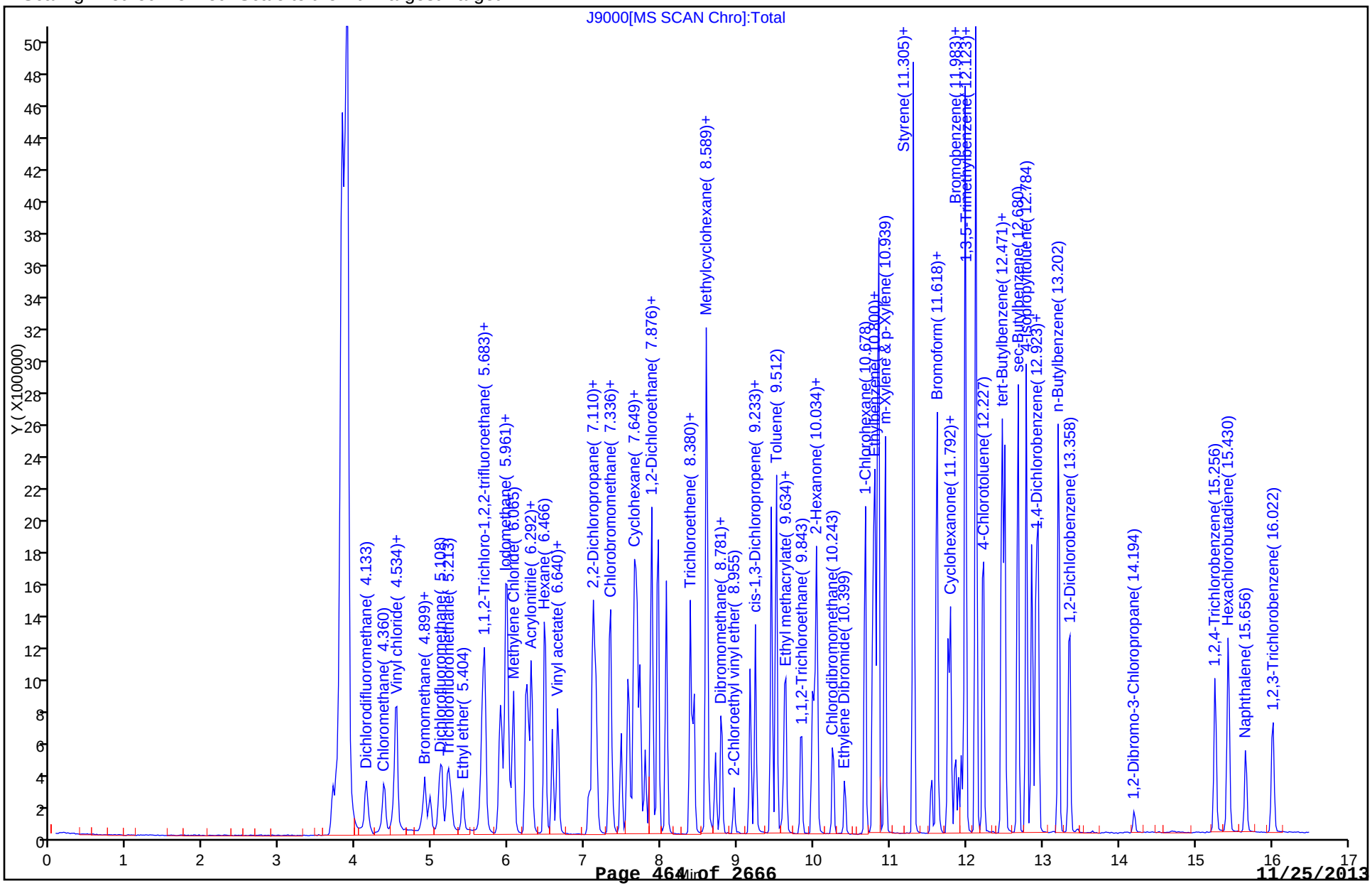
Report Date: 30-Oct-2013 16:35:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9000.D

Injection Date:	29-Oct-2013 17:07:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	2
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198398/3 Calibration Date: 10/29/2013 17:29

Instrument ID: VMS_J Calib Start Date: 10/21/2013 14:09

GC Column: DB-624 (75.53) ID: 0.53(mm) Calib End Date: 10/21/2013 16:49

Lab File ID: J9001.D Conc. Units: ug/L Heated Purge: (Y/N) Y

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethanol	Ave	0.1737	0.1291		1860	2500	-25.7	50.0
Isopropyl alcohol	Lin2		0.7425		411	500	-17.7	50.0
Acetonitrile	Lin2		0.0218		489	500	-2.3	50.0
Isopropyl ether	Ave	0.1991	0.1963		49.3	50.0	-1.4	35.0
2-Chloro-1,3-butadiene	Ave	0.5902	0.6149		52.1	50.0	4.2	35.0
Tert-butyl ethyl ether	Ave	0.7750	0.7752		50.0	50.0	0.0	35.0
Propionitrile	Ave	0.0211	0.0201		476	500	-4.7	50.0
Methacrylonitrile	Ave	0.1126	0.1109		456	500	-1.5	50.0
Tert-amyl methyl ether	Ave	0.5413	0.5423		50.1	50.0	0.2	35.0
Methyl methacrylate	Lin2		0.0373		95.1	100	-4.9	35.0
cis-1,4-Dichloro-2-butene	Lin1		0.1677		45.8	50.0	-8.4	50.0
Dibromofluoromethane (Surr)	Ave	0.3171	0.2990		47.1	50.0	-5.7	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2726	0.2540		46.6	50.0	-6.8	20.0
Toluene-d8 (Surr)	Ave	4.543	4.246		46.7	50.0	-6.6	20.0
4-Bromofluorobenzene (Surr)	Ave	1.014	0.9639		47.5	50.0	-5.0	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9001.D
Lims ID: CCV Client ID:
Inject. Date: 29-Oct-2013 17:29:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 11
Lims Batch ID: 198398 Lims Sample ID: 3
Sublist: chrom-SO_VMSJ_8260*sub58
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:35:05 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 29-Oct-2013 18:17:15

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	62	396181	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1372753	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	86	300127	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	94	392400	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	70	410410	47.1	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	98	348717	46.6	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	1274190	46.7	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	84	378227	47.5	
30 Ethylene oxide	43	4.828	4.828	0.0	99	2658907	9792.1	
35 Ethanol	45	5.246	5.246	0.0	99	127905	1858.5	
39 Propene oxide	58	5.507	5.507	0.0	95	1964928	2207.9	
44 Isopropyl alcohol	45	5.681	5.681	0.0	95	147073	411.4	
47 Acetonitrile	41	5.907	5.907	0.0	99	298762	488.5	
58 Isopropyl ether	87	6.586	6.586	0.0	97	269451	49.3	
60 2-Chloro-1,3-butadiene	53	6.725	6.725	0.0	93	844048	52.1	
61 Tert-butyl ethyl ether	59	6.899	6.899	0.0	98	1064114	50.0	
62 Ethyl acetate	43	7.039	7.039	0.0	99	279051	99.0	
66 Propionitrile	54	7.126	7.126	0.0	98	275432	476.4	
68 Methacrylonitrile	41	7.248	7.248	0.0	97	1522506	455.8	
78 Tert-amyl methyl ether	73	7.874	7.874	0.0	95	744463	50.1	
80 n-Butanol	56	8.100	8.100	0.0	92	138272	1014.3	
148 Ethyl acrylate	55	8.327	8.327	0.0	0	248897	42.0	
83 Methyl methacrylate	100	8.536	8.536	0.0	92	102467	95.1	
90 2-Nitropropane	41	8.953	8.953	0.0	95	104696	97.4	
144 n-Butyl acetate	43	10.033	10.033	0.0	90	194080	42.7	
101 Tetrahydrothiophene	60	10.311	10.311	0.0	58	114830	35.9	
112 cis-1,4-Dichloro-2-butene	53	11.651	11.651	0.0	97	65808	45.8	
127 1,2,3-Trimethylbenzene	105	12.939	12.939	0.0	89	1198847	52.7	
146 Benzyl chloride	126	13.044	13.044	0.0	100	77031	53.5	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
16 1,3,5-Trichlorobenzene	180	14.454	14.454	0.0	98	479925	51.1	

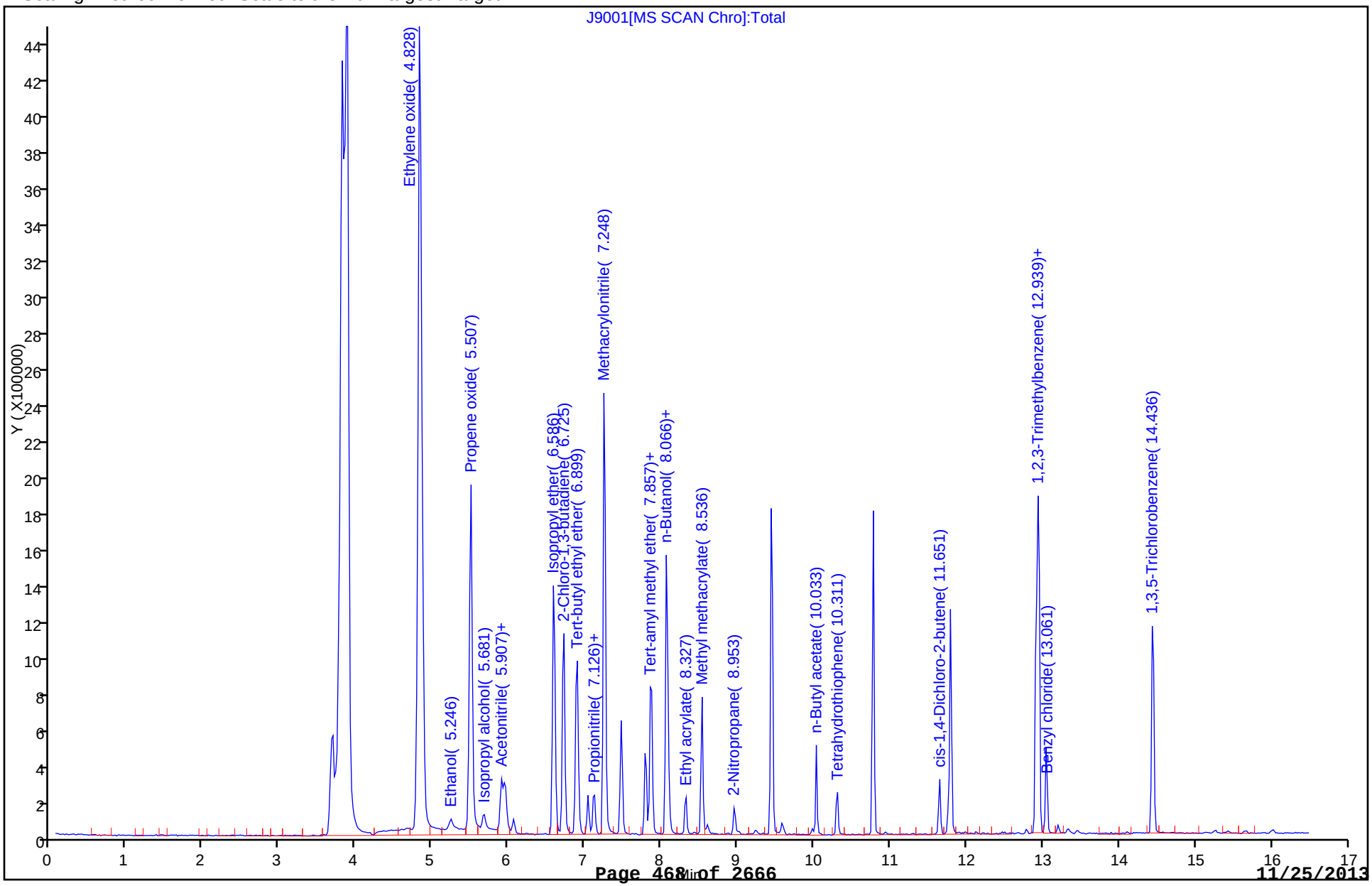
Report Date: 30-Oct-2013 16:35:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9001.D

Injection Date:	29-Oct-2013 17:29:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	3
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8866.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	21-Oct-2013 13:25:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:			
Operator:	SEIFERTJ	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	100
Lims Batch ID:	196983	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\SO_VMSJ_8260.m		
Last Update:	21-Oct-2013 23:37:01	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK011		
First Level Reviewer: seifertj		Date:	21-Oct-2013 13:41:51

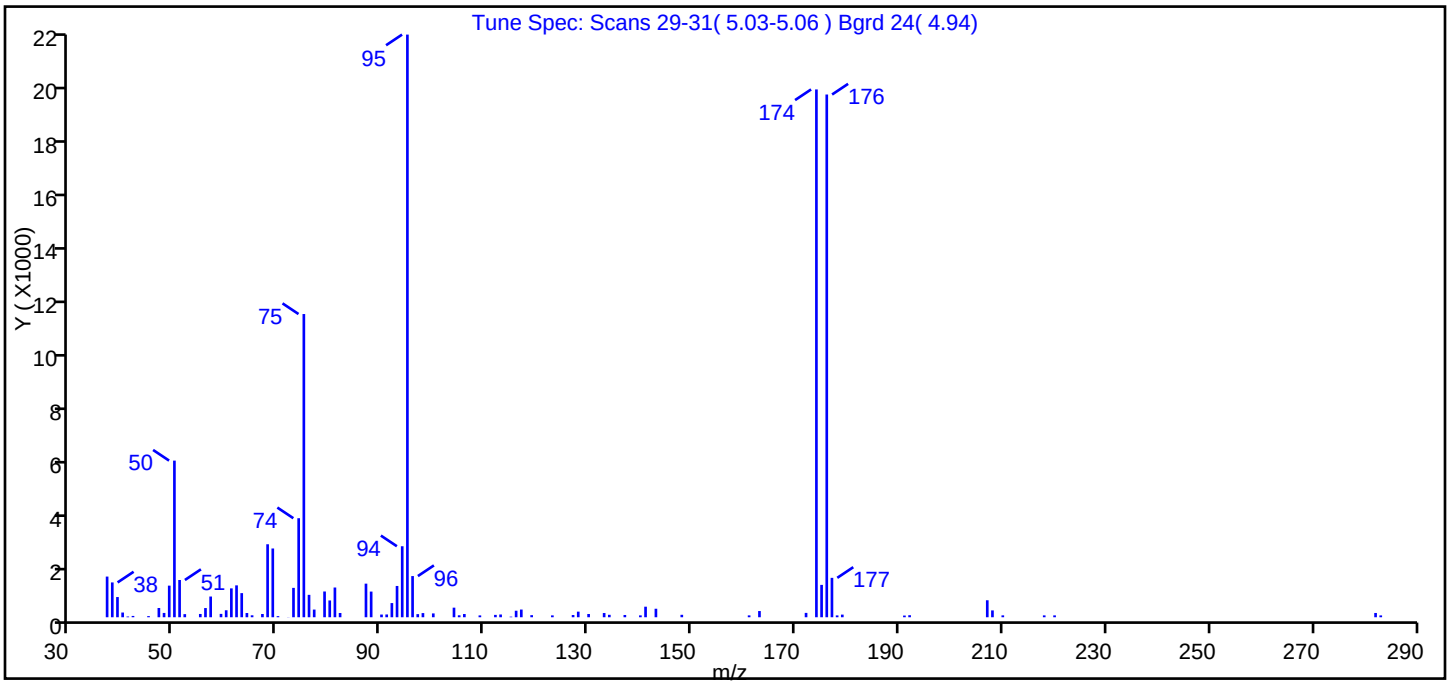
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.047	5.047	0.0	0	79487	0	

MS Tune Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8866.D		
Injection Date:	21-Oct-2013 13:25:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	196983	Lims Sample ID:	1
Operator ID:	SEIFERTJ	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.88
75	30.00 - 60.00% of mass 95	52.04
96	5.00 - 9.00% of mass 95	7.07
173	Less than 2.00% of mass 174	0.00 (0.00)
174	Greater than 50.00% of mass 95	90.59
175	5.00 - 9.00% of mass 174	5.56 (6.13)
176	95.00 - 101.00% of mass 174	89.72 (99.04)
177	5.00 - 9.00% of mass 176	6.76 (7.54)

Data File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8866.D\SO_VMSJ_8260.rslt\spectra.d
Injection Date: 21-Oct-2013 13:25:30
Spectrum: Tune Spec: Scans 29-31(5.03-5.06) Bgrd 24(4.94)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 88

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	1472	65.00	71	95.00	21080	140.00	68
38.00	1260	67.00	118	96.00	1490	141.00	382
39.00	731	68.00	2641	97.00	113	143.00	308
40.00	171	69.00	2488	98.00	151	148.00	89
41.00	27	70.00	40	100.00	139	161.00	68
42.00	48	72.00	5	104.00	347	163.00	225
45.00	41	73.00	1063	105.00	71	172.00	158
47.00	335	74.00	3583	106.00	117	174.00	19096
48.00	156	75.00	10970	109.00	67	175.00	1171
49.00	1144	76.00	811	112.00	86	176.00	18912
50.00	5667	77.00	278	113.00	100	177.00	1426
51.00	1348	79.00	932	115.00	22	178.00	67
52.00	113	80.00	608	116.00	236	179.00	96
55.00	119	81.00	1076	117.00	279	191.00	62
56.00	333	82.00	154	119.00	76	192.00	74
57.00	750	87.00	1216	123.00	68	207.00	615
59.00	122	88.00	929	127.00	81	208.00	248
60.00	253	90.00	98	128.00	203	210.00	69
61.00	1045	91.00	101	130.00	118	218.00	68
62.00	1154	92.00	513	133.00	153	220.00	68
63.00	873	93.00	1132	134.00	89	282.00	155
64.00	153	94.00	2569	137.00	82	283.00	67

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\J8999.D		
Lims ID:	BFB	Client ID:	
Inject. Date:	29-Oct-2013 16:44:30	Dil. Factor:	1.0000
Sample Type:	BFB		
Sample ID:	BFB		
Misc. Info.:			
Operator:	DUKESA	Instrument ID:	VMS_J
Purge Vol:	5.000 mL	ALS Bottle#:	100
Lims Batch ID:	198398	Lims Sample ID:	1
Detector:	MS SCAN		
Method:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m		
Last Update:	30-Oct-2013 16:35:07	Calib Date:	21-Oct-2013 20:03:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D		
Limit Group:	MSV - 8260B Water and Solid		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	DB-624	Column Dia:	0.25 mm
Process Host:	XAWRK032		
First Level Reviewer: dukesa		Date:	29-Oct-2013 16:53:23

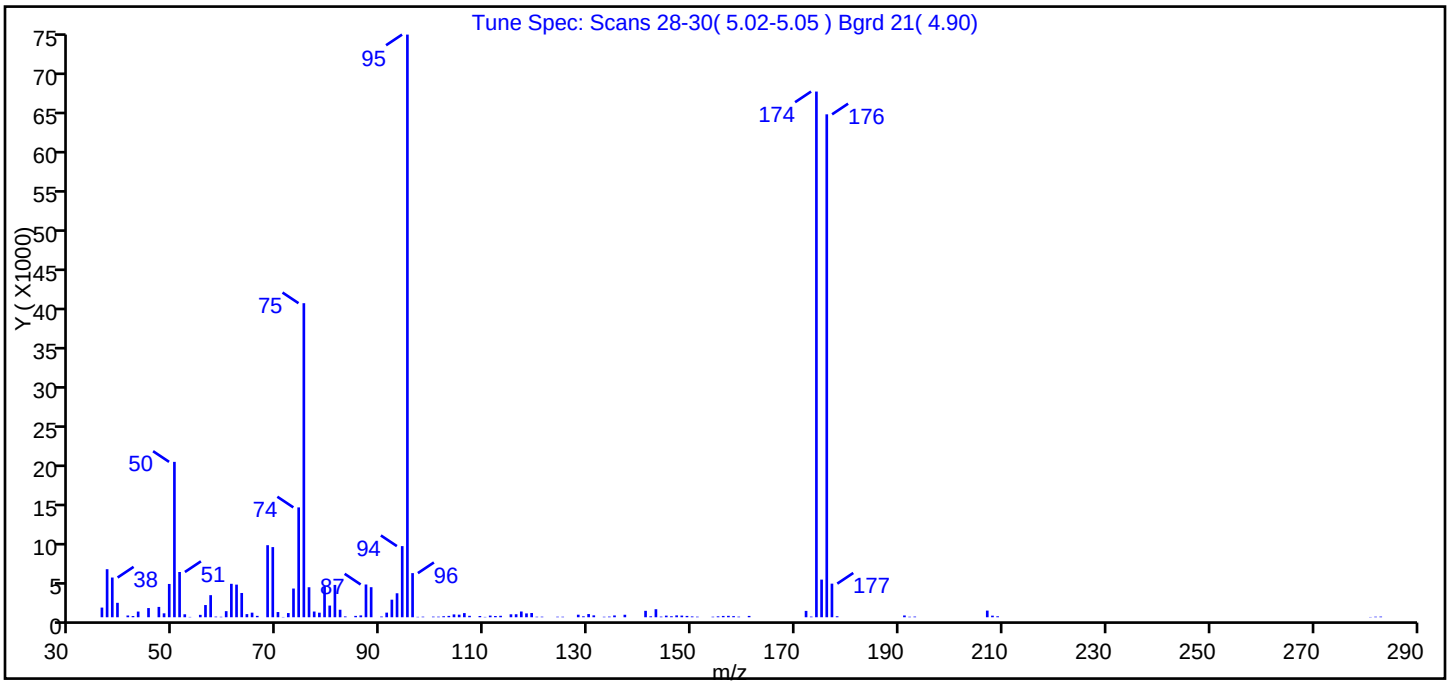
Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
$ 4 BFB	95	5.036	5.036	0.0	90	234862	0	

MS Tune Report

TestAmerica Denver

Data File:	\\Denchrom\ChromData\VMS_J\20131029-16858.b\J8999.D		
Injection Date:	29-Oct-2013 16:44:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	1
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm
Tune Method:	BFB Method 8260		

$ 4 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	26.67
75	30.00 - 60.00% of mass 95	53.90
96	5.00 - 9.00% of mass 95	7.57
173	Less than 2.00% of mass 174	0.12 (0.13)
174	Greater than 50.00% of mass 95	90.22
175	5.00 - 9.00% of mass 174	6.46 (7.16)
176	95.00 - 101.00% of mass 174	86.31 (95.67)
177	5.00 - 9.00% of mass 176	5.77 (6.68)

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J8999.D\SO_VMSJ_8260.rslt\spectra.d
Injection Date: 29-Oct-2013 16:44:30
Spectrum: Tune Spec: Scans 28-30(5.02-5.05) Bgrd 21(4.90)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 120

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	1230	71.00	36	104.00	363	145.00	207
37.00	6108	72.00	533	105.00	330	146.00	128
38.00	5050	73.00	3650	106.00	528	147.00	236
39.00	1835	74.00	13965	107.00	183	148.00	211
41.00	223	75.00	39920	109.00	161	149.00	171
42.00	154	76.00	3815	110.00	44	150.00	104
43.00	725	77.00	729	111.00	211	151.00	74
45.00	1169	78.00	580	112.00	160	154.00	70
47.00	1315	79.00	3877	113.00	187	155.00	118
48.00	500	80.00	1485	115.00	374	156.00	168
49.00	4233	81.00	4112	116.00	383	157.00	181
50.00	19752	82.00	955	117.00	732	158.00	144
51.00	5753	83.00	108	118.00	489	159.00	79
52.00	378	85.00	174	119.00	540	161.00	170
53.00	43	86.00	235	120.00	69	172.00	810
55.00	305	87.00	4165	121.00	74	173.00	86
56.00	1552	88.00	3821	124.00	70	174.00	66824
57.00	2809	90.00	95	125.00	67	175.00	4787
58.00	84	91.00	587	128.00	325	176.00	63928
59.00	62	92.00	2234	129.00	120	177.00	4273
60.00	776	93.00	3049	130.00	407	178.00	125
61.00	4252	94.00	9043	131.00	242	191.00	227
62.00	4147	95.00	74064	133.00	64	192.00	67
63.00	3086	96.00	5610	134.00	84	193.00	86
64.00	399	97.00	52	135.00	230	207.00	846
65.00	583	98.00	75	137.00	318	208.00	202
66.00	178	100.00	80	141.00	818	209.00	124
68.00	9160	101.00	76	142.00	123	281.00	36
69.00	8918	102.00	131	143.00	1021	282.00	72
70.00	662	103.00	173	144.00	84	283.00	85

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198393/1-A

Matrix: Solid | Lab File ID: J9003.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 18:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	1.0	U	5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	1.0	U	5.0	1.0	0.52
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	5.0	1.0	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	20	U	20	20	0.45
79-00-5	1,1,2-Trichloroethane	1.0	U	5.0	1.0	0.88
75-34-3	1,1-Dichloroethane	0.80	U	5.0	0.80	0.21
75-35-4	1,1-Dichloroethene	1.0	U	5.0	1.0	0.59
563-58-6	1,1-Dichloropropene	1.0	U	5.0	1.0	0.54
87-61-6	1,2,3-Trichlorobenzene	1.28	J	5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	1.0	U	5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	1.0	U	5.0	1.0	0.73
95-63-6	1,2,4-Trimethylbenzene	1.0	U	5.0	1.0	0.58
96-12-8	1,2-Dibromo-3-Chloropropane	1.0	U	10	1.0	0.60
95-50-1	1,2-Dichlorobenzene	1.0	U	5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	1.0	U	5.0	1.0	0.70
78-87-5	1,2-Dichloropropane	1.0	U	5.0	1.0	0.55
108-67-8	1,3,5-Trimethylbenzene	1.0	U	5.0	1.0	0.57
541-73-1	1,3-Dichlorobenzene	1.0	U	5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	1.0	U	5.0	1.0	0.51
106-46-7	1,4-Dichlorobenzene	1.0	U	5.0	1.0	0.78
123-91-1	1,4-Dioxane	80	U	500	80	56
544-10-5	1-Chlorohexane	0.80	U	5.0	0.80	0.63
594-20-7	2,2-Dichloropropane	1.0	U	5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	6.4	U	20	6.4	1.8
95-49-8	2-Chlorotoluene	1.0	U	5.0	1.0	0.51
591-78-6	2-Hexanone	10	U	20	10	4.9
106-43-4	4-Chlorotoluene	1.0	U	5.0	1.0	0.78
99-87-6	4-Isopropyltoluene	1.0	U	5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	10	U	20	10	4.4
67-64-1	Acetone	10	U	20	10	5.4
71-43-2	Benzene	1.0	U	5.0	1.0	0.47
108-86-1	Bromobenzene	1.0	U	5.0	1.0	0.49
75-25-2	Bromoform	0.80	U	5.0	0.80	0.23
74-83-9	Bromomethane	1.0	U	10	1.0	0.50
75-15-0	Carbon disulfide	1.0	U	5.0	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198393/1-A

Matrix: Solid | Lab File ID: J9003.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 18:12

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	1.0	U	5.0	1.0	0.63
108-90-7	Chlorobenzene	1.0	U	5.0	1.0	0.54
74-97-5	Chlorobromomethane	1.0	U	5.0	1.0	0.30
124-48-1	Chlorodibromomethane	1.0	U	5.0	1.0	0.57
75-00-3	Chloroethane	1.0	U	10	1.0	0.89
67-66-3	Chloroform	1.0	U	10	1.0	0.29
74-87-3	Chloromethane	1.0	U	10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	1.0	U	5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	2.0	U	5.0	2.0	1.3
110-82-7	Cyclohexane	1.6	U	5.0	1.6	0.40
74-95-3	Dibromomethane	1.0	U	5.0	1.0	0.84
75-27-4	Dichlorobromomethane	0.80	U	5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	1.0	U	10	1.0	0.52
100-41-4	Ethylbenzene	1.0	U	5.0	1.0	0.67
106-93-4	Ethylene Dibromide	1.0	U	5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	1.0	U	5.0	1.0	0.55
98-82-8	Isopropylbenzene	1.0	U	5.0	1.0	0.59
79-20-9	Methyl acetate	4.0	U	8.5	4.0	2.8
1634-04-4	Methyl tert-butyl ether	1.0	U	20	1.0	0.34
108-87-2	Methylcyclohexane	0.80	U	5.0	0.80	0.42
75-09-2	Methylene Chloride	3.92	J	5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	2.0	U	3.2	2.0	1.0
91-20-3	Naphthalene	1.0	U	5.0	1.0	0.63
104-51-8	n-Butylbenzene	1.0	U	5.0	1.0	0.56
103-65-1	N-Propylbenzene	1.0	U	5.0	1.0	0.58
95-47-6	o-Xylene	1.0	U	5.0	1.0	0.61
135-98-8	sec-Butylbenzene	1.0	U	5.0	1.0	0.77
100-42-5	Styrene	1.0	U	5.0	1.0	0.63
98-06-6	tert-Butylbenzene	1.0	U	5.0	1.0	0.50
127-18-4	Tetrachloroethene	1.0	U	5.0	1.0	0.59
108-88-3	Toluene	1.0	U	5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	1.0	U	5.0	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	1.0	U	5.0	1.0	0.67
79-01-6	Trichloroethene	0.80	U	5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	2.0	U	10	2.0	1.0
75-01-4	Vinyl chloride	2.0	U	5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 280-198393/1-A

Matrix: Solid Lab File ID: J9003.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 10/29/2013 18:12

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 198398 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	87		61-129
460-00-4	4-Bromofluorobenzene (Surr)	93		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	93		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9003.D
Lims ID: MB Client ID:
Inject. Date: 29-Oct-2013 18:12:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 13
Lims Batch ID: 198398 Lims Sample ID: 7
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 01-Nov-2013 16:30:43 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK007

First Level Reviewer: dukesa Date: 29-Oct-2013 18:58:34

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	1.051	1.051	0.0	0	601	0	
* 150 TBA-d9 (IS)	65	5.959	5.944	0.015	70	383050	1000.0	
* 1 Fluorobenzene	96	8.065	8.067	-0.002	97	1571773	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.782	-0.001	87	342689	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.923	-0.001	97	415112	50.0	
$ 151 a,a,a-Trifluorotoluene	1		0.000					
$ 4 BFB	95		5.036					3
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	77	454725	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	98	373661	43.6	
$ 7 Toluene-d8 (Surr)	98	9.440	9.441	-0.001	86	1443852	46.4	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	83	393149	46.7	
15 Dimethyl disulfide	1		0.000					
11 2,3-Dimethylpentane	1		0.000					
21 2-Butoxyethanol TIC	1		0.000					
9 2,4-Dimethylpentane	1		0.000					
18 3,3-Dimethylpentane	1		0.000					
143 Pentachloroethane	167		0.000					
19 3-Methylhexane	1		0.000					
17 3-Ethylpentane	1		0.000					
20 2-Methylhexane	1		0.000					
10 n-Nonyl Aldehyde	1		0.000					
12 2,2,3-Trimethylbutane	1		0.000					
13 2,2-Dimethylpentane	1		0.000					
22 2,3-dichloro-1-propene TIC	75		1.000					
23 Dichloroacetonitrile TIC	74		1.000					
24 Chlorotrifluoroethene	116		4.080					
25 Dichlorodifluoromethane	85		4.133					
26 1,2-Dichloro-1,1,2,2-tetrafluoro	85		4.289					
27 Chloromethane	50		4.360					
28 Vinyl chloride	62		4.516					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
147 Butadiene	54		4.534					
29 2-Chloro-1,1,1-Trifluoroethane	118		4.567					
30 Ethylene oxide	43		4.828					
31 Bromomethane	94		4.899					29
32 Chloroethane	64		4.969					
33 Dichlorofluoromethane	67		5.108					
34 Trichlorofluoromethane	101		5.213					
35 Ethanol	45		5.246					
36 1,2-Dichloro-1,1,2-trifluoroetha	117		5.368					
145 2-Methylnaphthalene	142		5.393					
38 1,1,1-Trifluoro-2,2-dichloroetha	83		5.403					
37 Ethyl ether	59		5.404					
39 Propene oxide	58		5.507					
43 Propene oxide TIC	58		5.526					
40 Acrolein	56		5.542					
42 1,1,2-Trichloro-1,2,2-trifluoroe	151		5.665					
41 Acetone	43		5.665					
44 Isopropyl alcohol	45		5.681					
45 1,1-Dichloroethene	96		5.683					
46 Iodomethane	142		5.874					
47 Acetonitrile	41		5.907					19
48 Methyl acetate	43		5.909					
49 3-Chloro-1-propene	41		5.961					
51 Carbon disulfide	76		5.978					
50 2-Methyl-2-propanol	59		6.013					
52 Methylene Chloride	84	6.064	6.065	-0.001	97	38797	3.92	
53 Acrylonitrile	53		6.222					
54 Methyl tert-butyl ether	73		6.257					
55 trans-1,2-Dichloroethene	96		6.292					2
56 Hexane	57		6.466					
57 Vinyl acetate	43		6.570					
58 Isopropyl ether	87		6.586					
59 1,1-Dichloroethane	63		6.640					39
60 2-Chloro-1,3-butadiene	53		6.725					
61 Tert-butyl ethyl ether	59		6.899					
62 Ethyl acetate	43		7.039					
63 2-Butanone (MEK)	43		7.058					
64 sec-Butyl Alcohol	45		7.092					
65 cis-1,2-Dichloroethene	96		7.110					19
66 Propionitrile	54		7.126					
67 2,2-Dichloropropane	77		7.145					19
68 Methacrylonitrile	41		7.248					19
69 Chlorobromomethane	128		7.319					
70 Chloroform	83		7.336					19
71 Tetrahydrofuran	42		7.353					
73 1,1,1-Trichloroethane	97		7.562					
74 Cyclohexane	56		7.649					12
72 Isobutyl alcohol	41		7.649					
75 1,1-Dichloropropene	75		7.684					
76 Carbon tetrachloride	117		7.719					
77 1,2-Dichloroethane	62		7.858					
78 Tert-amyl methyl ether	73		7.874					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
79 Benzene	78		7.876					
14 n-Heptane	43		7.963					
80 n-Butanol	56		8.100					19
148 Ethyl acrylate	55		8.327					
81 Trichloroethene	130		8.380					
82 2-Pentanone	43		8.433					
83 Methyl methacrylate	100		8.536					
84 1,2-Dichloropropane	63		8.589					
85 Methylcyclohexane	55		8.589					
86 1,4-Dioxane	88		8.642					
87 Dibromomethane	93		8.711					
88 Dichlorobromomethane	83		8.781					19
90 2-Nitropropane	41		8.953					
89 2-Chloroethyl vinyl ether	63		8.955					
91 cis-1,3-Dichloropropene	75		9.164					
92 4-Methyl-2-pentanone (MIBK)	43		9.233					
93 Toluene	91		9.512					
94 Ethyl methacrylate	69		9.616					
95 trans-1,3-Dichloropropene	75		9.634					
96 1,1,2-Trichloroethane	97		9.843					
97 2-Hexanone	43		9.982					
98 1,3-Dichloropropane	76		10.017					
144 n-Butyl acetate	43		10.033					
99 Tetrachloroethene	164		10.034					
100 Chlorodibromomethane	129		10.243					
101 Tetrahydrothiophene	60		10.311					
102 Ethylene Dibromide	107		10.399					
103 1-Chlorohexane	91		10.678					
104 Chlorobenzene	112		10.800					
106 1,1,1,2-Tetrachloroethane	131		10.852					
105 Ethylbenzene	106		10.852					
107 m-Xylene & p-Xylene	91		10.939					
109 o-Xylene	106		11.305					
108 Styrene	104		11.305					
110 Bromoform	173		11.548					
111 Isopropylbenzene	105		11.618					
112 cis-1,4-Dichloro-2-butene	53		11.651					
113 Cyclohexanone	55		11.757					
114 1,1,2,2-Tetrachloroethane	83		11.862					29
115 trans-1,4-Dichloro-2-butene	53		11.896					
116 1,2,3-Trichloropropane	110		11.931					
118 Bromobenzene	156		11.983					
117 N-Propylbenzene	120		11.983					
120 2-Chlorotoluene	126		12.123					
119 1,3,5-Trimethylbenzene	105		12.123					
121 4-Chlorotoluene	126		12.227					
122 tert-Butylbenzene	119		12.471					
123 1,2,4-Trimethylbenzene	105		12.506					
124 sec-Butylbenzene	134		12.680					
125 4-Isopropyltoluene	119		12.784					
126 1,3-Dichlorobenzene	146		12.854					
127 1,2,3-Trimethylbenzene	105		12.939					

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
128 1,4-Dichlorobenzene	146		12.941					
146 Benzyl chloride	126		13.044					
129 n-Butylbenzene	91		13.202					
130 1,2-Dichlorobenzene	146		13.358					
131 1,2-Dibromo-3-Chloropropane	157		14.194					
16 1,3,5-Trichlorobenzene	180		14.454					
132 1,2,4-Trichlorobenzene	180		15.256					
133 Hexachlorobutadiene	225		15.430					
134 Naphthalene	128		15.656					
135 1,2,3-Trichlorobenzene	180	16.020	16.022	-0.002	73	6934	1.28	
S 136 Trihalomethanes, Total	1				0		0	7
S 137 Xylenes, Total (URS)	1				0		0	7
S 138 Total BTEX	1		0.000					7
S 139 1,3-Dichloropropene, Total	1				0		0	7
S 140 1,2-Dichloroethene, Total	1				0		0	7
S 141 Xylenes, Total	106				0		0	7
S 142 1,2-Dichloroethene, Total (URS)	96				0		0	7

QC Flag Legend

Processing Flags
1 - Missing Peaks
2 - Failed Coelution Test
3 - Failed RT Window Test
7 - Failed Limit of Detection
9 - Failed A Reference Spectral Test

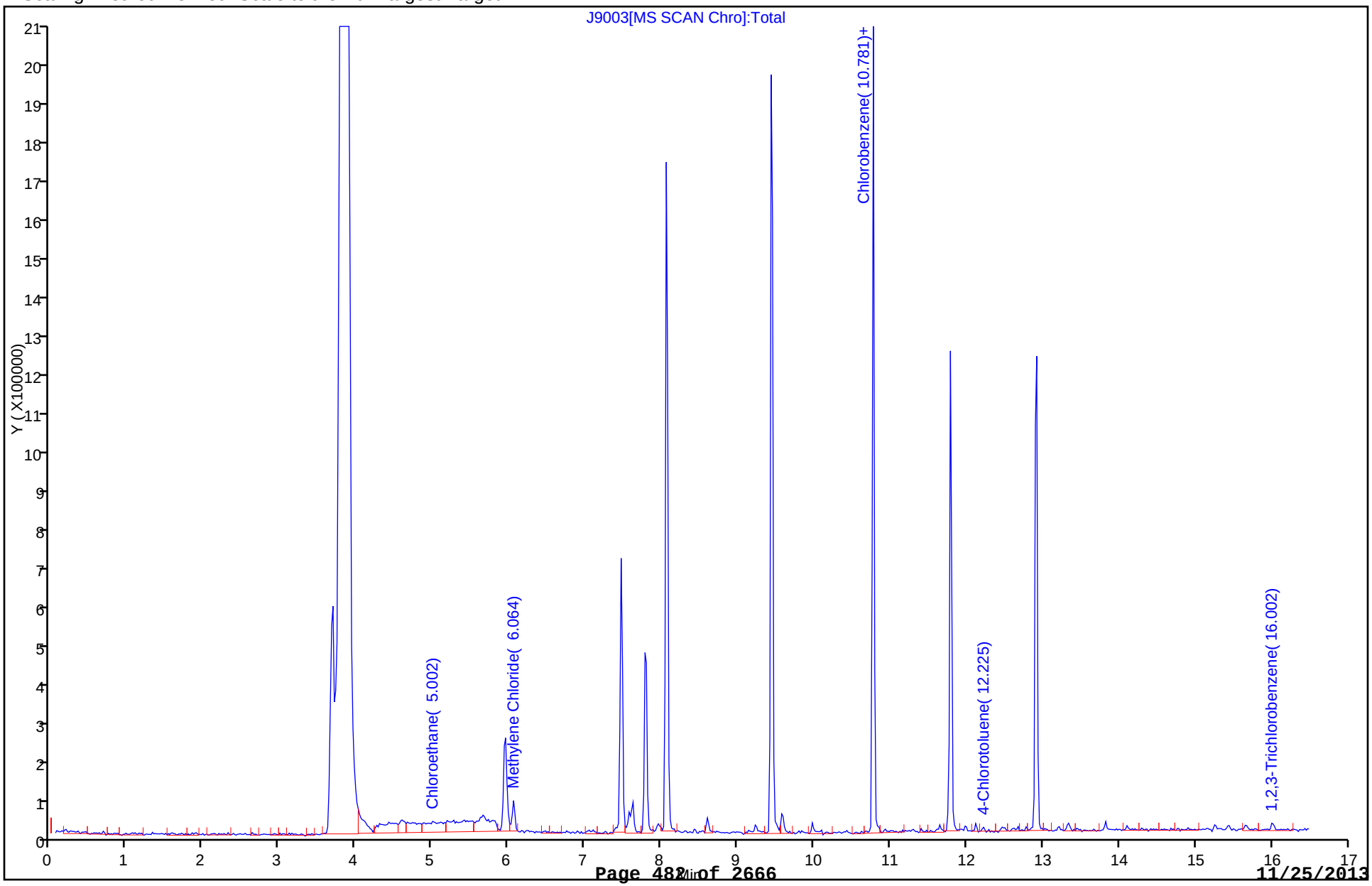
Report Date: 01-Nov-2013 16:50:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9003.D

Injection Date:	29-Oct-2013 18:12:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	7
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



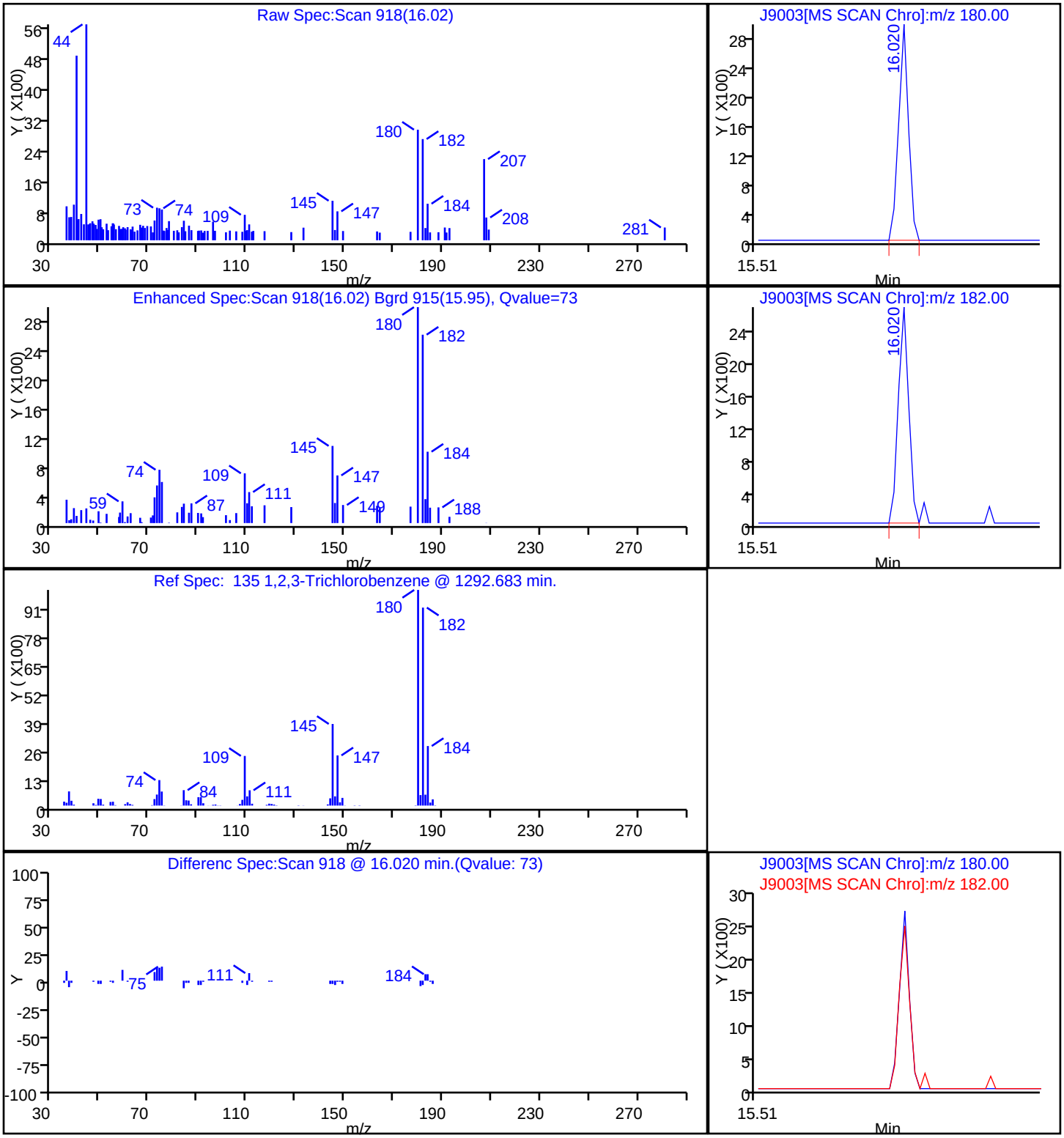
Report Date: 01-Nov-2013 16:50:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9003.D

Injection Date:	29-Oct-2013 18:12:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	7
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

135 1,2,3-Trichlorobenzene



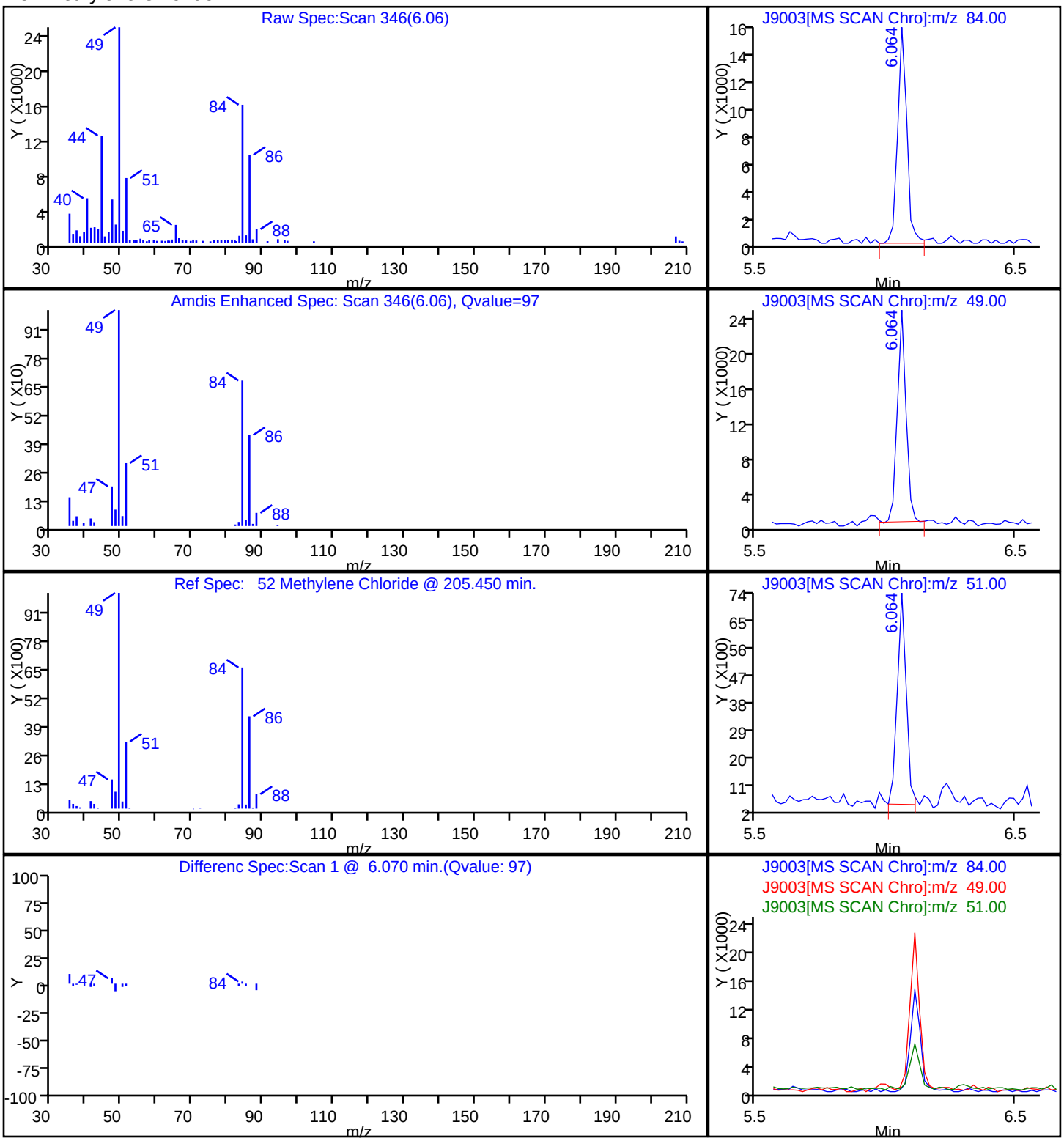
Report Date: 01-Nov-2013 16:50:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9003.D

Injection Date:	29-Oct-2013 18:12:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	7
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

52 Methylene Chloride



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198393/2-A

Matrix: Solid | Lab File ID: J9002.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 17:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	47.1		5.0	1.0	0.56
71-55-6	1,1,1-Trichloroethane	47.5		5.0	1.0	0.52
79-34-5	1,1,2,2-Tetrachloroethane	45.9		5.0	1.0	0.61
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	43.8		20	20	0.45
79-00-5	1,1,2-Trichloroethane	46.7		5.0	1.0	0.88
75-34-3	1,1-Dichloroethane	46.5		5.0	0.80	0.21
75-35-4	1,1-Dichloroethene	43.2		5.0	1.0	0.59
563-58-6	1,1-Dichloropropene	51.0		5.0	1.0	0.54
87-61-6	1,2,3-Trichlorobenzene	49.8		5.0	1.0	0.75
96-18-4	1,2,3-Trichloropropane	45.6		5.0	1.0	0.81
120-82-1	1,2,4-Trichlorobenzene	51.6		5.0	1.0	0.73
95-63-6	1,2,4-Trimethylbenzene	50.5		5.0	1.0	0.58
96-12-8	1,2-Dibromo-3-Chloropropane	43.8		10	1.0	0.60
95-50-1	1,2-Dichlorobenzene	47.7		5.0	1.0	0.45
107-06-2	1,2-Dichloroethane	43.6		5.0	1.0	0.70
78-87-5	1,2-Dichloropropane	47.2		5.0	1.0	0.55
108-67-8	1,3,5-Trimethylbenzene	51.7		5.0	1.0	0.57
541-73-1	1,3-Dichlorobenzene	48.1		5.0	1.0	0.48
142-28-9	1,3-Dichloropropane	42.2		5.0	1.0	0.51
106-46-7	1,4-Dichlorobenzene	48.7		5.0	1.0	0.78
123-91-1	1,4-Dioxane	760		500	80	56
544-10-5	1-Chlorohexane	50.1		5.0	0.80	0.63
594-20-7	2,2-Dichloropropane	47.5		5.0	1.0	0.44
78-93-3	2-Butanone (MEK)	156		20	6.4	1.8
95-49-8	2-Chlorotoluene	47.8		5.0	1.0	0.51
591-78-6	2-Hexanone	147		20	10	4.9
106-43-4	4-Chlorotoluene	48.7		5.0	1.0	0.78
99-87-6	4-Isopropyltoluene	51.5		5.0	1.0	0.49
108-10-1	4-Methyl-2-pentanone (MIBK)	145		20	10	4.4
67-64-1	Acetone	149		20	10	5.4
71-43-2	Benzene	47.9		5.0	1.0	0.47
108-86-1	Bromobenzene	48.2		5.0	1.0	0.49
75-25-2	Bromoform	45.5		5.0	0.80	0.23
74-83-9	Bromomethane	33.5		10	1.0	0.50
75-15-0	Carbon disulfide	48.9		5.0	1.0	0.42

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198393/2-A

Matrix: Solid | Lab File ID: J9002.D

Analysis Method: 8260B/DoD | Date Collected:

Sample wt/vol: 5(g) | Date Analyzed: 10/29/2013 17:51

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	47.0		5.0	1.0	0.63
108-90-7	Chlorobenzene	46.3		5.0	1.0	0.54
74-97-5	Chlorobromomethane	47.1		5.0	1.0	0.30
124-48-1	Chlorodibromomethane	46.7		5.0	1.0	0.57
75-00-3	Chloroethane	33.7		10	1.0	0.89
67-66-3	Chloroform	45.6		10	1.0	0.29
74-87-3	Chloromethane	34.7		10	1.0	0.77
156-59-2	cis-1,2-Dichloroethene	48.2		5.0	1.0	0.56
10061-01-5	cis-1,3-Dichloropropene	45.8		5.0	2.0	1.3
110-82-7	Cyclohexane	50.7		5.0	1.6	0.40
74-95-3	Dibromomethane	46.3		5.0	1.0	0.84
75-27-4	Dichlorobromomethane	45.6		5.0	0.80	0.22
75-71-8	Dichlorodifluoromethane	36.6		10	1.0	0.52
100-41-4	Ethylbenzene	48.0		5.0	1.0	0.67
106-93-4	Ethylene Dibromide	41.8		5.0	1.0	0.52
87-68-3	Hexachlorobutadiene	53.7		5.0	1.0	0.55
98-82-8	Isopropylbenzene	49.1		5.0	1.0	0.59
79-20-9	Methyl acetate	208		8.5	4.0	2.8
1634-04-4	Methyl tert-butyl ether	46.1		20	1.0	0.34
108-87-2	Methylcyclohexane	45.7		5.0	0.80	0.42
75-09-2	Methylene Chloride	47.2		5.0	3.2	1.6
179601-23-1	m-Xylene & p-Xylene	49.4		3.2	2.0	1.0
91-20-3	Naphthalene	43.0		5.0	1.0	0.63
104-51-8	n-Butylbenzene	52.4		5.0	1.0	0.56
103-65-1	N-Propylbenzene	49.6		5.0	1.0	0.58
95-47-6	o-Xylene	49.4		5.0	1.0	0.61
135-98-8	sec-Butylbenzene	50.8		5.0	1.0	0.77
100-42-5	Styrene	53.6		5.0	1.0	0.63
98-06-6	tert-Butylbenzene	49.9		5.0	1.0	0.50
127-18-4	Tetrachloroethene	46.7		5.0	1.0	0.59
108-88-3	Toluene	51.0		5.0	1.0	0.69
156-60-5	trans-1,2-Dichloroethene	48.5		5.0	1.0	0.39
10061-02-6	trans-1,3-Dichloropropene	47.4		5.0	1.0	0.67
79-01-6	Trichloroethene	46.9		5.0	0.80	0.23
75-69-4	Trichlorofluoromethane	38.2		10	2.0	1.0
75-01-4	Vinyl chloride	34.2		5.0	2.0	1.3

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198393/2-A

Matrix: Solid Lab File ID: J9002.D

Analysis Method: 8260B/DoD Date Collected:

Sample wt/vol: 5(g) Date Analyzed: 10/29/2013 17:51

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 198398 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	86		61-129
460-00-4	4-Bromofluorobenzene (Surr)	89		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	90		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9002.D
Lims ID: LCS Client ID:
Inject. Date: 29-Oct-2013 17:51:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 12
Lims Batch ID: 198398 Lims Sample ID: 6
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 29-Oct-2013 18:34:53

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 150 TBA-d9 (IS)	65	5.959	5.960	-0.001	46	402358	1000.0	
* 1 Fluorobenzene	96	8.065	8.066	-0.001	97	1691441	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	82	386909	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	96	554788	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	77	487501	45.5	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	91	396483	43.0	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	-0.001	86	1576882	44.9	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	85	500506	44.5	
25 Dichlorodifluoromethane	85	4.132	4.133	-0.001	97	554138	36.6	
27 Chloromethane	50	4.358	4.360	-0.002	100	575466	34.7	
28 Vinyl chloride	62	4.515	4.516	-0.001	98	536021	34.2	
147 Butadiene	54	4.532	4.534	-0.002	88	401843	33.3	
31 Bromomethane	94	4.898	4.899	-0.001	92	350085	33.5	
32 Chloroethane	64	4.967	4.969	-0.002	99	303374	33.7	
33 Dichlorofluoromethane	67	5.106	5.108	-0.002	98	953705	38.1	
34 Trichlorofluoromethane	101	5.211	5.213	-0.002	95	705995	38.2	
37 Ethyl ether	59	5.402	5.404	-0.002	95	235498	41.1	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.663	5.665	-0.002	95	425657	43.8	
41 Acetone	43	5.663	5.665	-0.002	71	231720	149.5	
45 1,1-Dichloroethene	96	5.698	5.683	0.015	98	431929	43.2	
46 Iodomethane	142	5.890	5.874	0.016	99	1003343	48.4	
48 Methyl acetate	43	5.907	5.909	-0.002	90	915859	208.1	
49 3-Chloro-1-propene	41	5.959	5.961	-0.002	80	1028758	44.0	
51 Carbon disulfide	76	5.977	5.978	-0.001	99	2335419	48.9	
50 2-Methyl-2-propanol	59	6.012	6.013	-0.001	54	221704	464.8	
52 Methylene Chloride	84	6.064	6.065	-0.001	94	503233	47.2	
53 Acrylonitrile	53	6.220	6.222	-0.002	98	781623	421.1	
54 Methyl tert-butyl ether	73	6.255	6.257	-0.002	93	776413	46.1	
55 trans-1,2-Dichloroethene	96	6.307	6.292	0.015	96	556883	48.5	
56 Hexane	57	6.482	6.466	0.016	95	921301	45.9	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
57 Vinyl acetate	43	6.569	6.570	-0.001	97	1219458	99.5	
59 1,1-Dichloroethane	63	6.638	6.640	-0.002	97	1073725	46.5	
63 2-Butanone (MEK)	43	7.056	7.058	-0.002	98	525470	155.9	
64 sec-Butyl Alcohol	45	7.091	7.092	-0.001	97	566155	1418.8	
65 cis-1,2-Dichloroethene	96	7.108	7.110	-0.002	87	517629	48.2	
67 2,2-Dichloropropane	77	7.143	7.145	-0.002	94	813518	47.5	
69 Chlorobromomethane	128	7.334	7.319	0.015	90	219866	47.1	
70 Chloroform	83	7.334	7.336	-0.002	96	879674	45.6	
71 Tetrahydrofuran	42	7.369	7.353	0.016	88	120605	80.9	
73 1,1,1-Trichloroethane	97	7.578	7.562	0.016	90	793885	47.5	
74 Cyclohexane	56	7.648	7.649	-0.001	97	1157426	50.7	
72 Isobutyl alcohol	41	7.648	7.649	-0.001	40	775208	1435.7	
75 1,1-Dichloropropene	75	7.683	7.684	-0.001	93	846554	51.0	
76 Carbon tetrachloride	117	7.717	7.719	-0.002	76	793379	47.0	
77 1,2-Dichloroethane	62	7.857	7.858	-0.001	92	502764	43.6	
79 Benzene	78	7.874	7.876	-0.002	98	1971161	47.9	
14 n-Heptane	43	7.961	7.963	-0.002	96	1108486	45.0	
81 Trichloroethene	130	8.379	8.380	-0.001	95	594170	46.9	
82 2-Pentanone	43	8.431	8.433	-0.002	97	698409	113.5	
84 1,2-Dichloropropane	63	8.588	8.589	-0.001	79	516400	47.2	
85 Methylcyclohexane	55	8.605	8.589	0.016	92	877773	45.7	
86 1,4-Dioxane	88	8.657	8.642	0.015	87	41529	760.4	
87 Dibromomethane	93	8.709	8.711	-0.002	87	215202	46.3	
88 Dichlorobromomethane	83	8.796	8.781	0.015	89	578924	45.6	
89 2-Chloroethyl vinyl ether	63	8.953	8.955	-0.002	91	106278	44.6	
91 cis-1,3-Dichloropropene	75	9.162	9.164	-0.002	86	647454	45.8	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.233	-0.001	97	922860	145.4	
93 Toluene	91	9.510	9.512	-0.002	91	1959634	51.0	
94 Ethyl methacrylate	69	9.615	9.616	-0.001	91	299574	45.8	
95 trans-1,3-Dichloropropene	75	9.632	9.634	-0.002	98	541198	47.4	
96 1,1,2-Trichloroethane	97	9.841	9.843	-0.002	95	249197	46.7	
97 2-Hexanone	43	9.980	9.982	-0.002	98	590480	147.4	
98 1,3-Dichloropropane	76	10.015	10.017	-0.002	94	484731	42.2	
99 Tetrachloroethene	164	10.050	10.034	0.016	97	477107	46.7	
100 Chlorodibromomethane	129	10.259	10.243	0.016	86	385482	46.7	
102 Ethylene Dibromide	107	10.415	10.399	0.016	99	252907	41.8	
103 1-Chlorohexane	91	10.676	10.678	-0.002	96	736974	50.1	
104 Chlorobenzene	112	10.798	10.800	-0.002	90	1216060	46.3	
106 1,1,1,2-Tetrachloroethane	131	10.850	10.852	-0.002	40	449548	47.1	
105 Ethylbenzene	106	10.850	10.852	-0.002	99	668505	48.0	
107 m-Xylene & p-Xylene	91	10.937	10.939	-0.002	99	1674944	49.4	
109 o-Xylene	106	11.303	11.305	-0.002	87	761910	49.4	
108 Styrene	104	11.303	11.305	-0.002	81	1123209	53.6	
110 Bromoform	173	11.547	11.548	-0.001	94	192453	45.5	
111 Isopropylbenzene	105	11.616	11.618	-0.002	96	2162942	49.1	
113 Cyclohexanone	55	11.755	11.757	-0.002	96	250946	768.1	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.862	-0.002	71	294831	45.9	
115 trans-1,4-Dichloro-2-butene	53	11.895	11.896	-0.001	81	84855	48.1	
116 1,2,3-Trichloropropane	110	11.947	11.931	0.016	84	75458	45.6	
118 Bromobenzene	156	11.982	11.983	-0.001	58	502787	48.2	
117 N-Propylbenzene	120	11.982	11.983	-0.001	96	596557	49.6	
120 2-Chlorotoluene	126	12.138	12.123	0.015	98	523452	47.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
119 1,3,5-Trimethylbenzene	105	12.121	12.123	-0.002	88	1702137	51.7	
121 4-Chlorotoluene	126	12.225	12.227	-0.002	97	512361	48.7	
122 tert-Butylbenzene	119	12.469	12.471	-0.002	91	1779483	49.9	
123 1,2,4-Trimethylbenzene	105	12.504	12.506	-0.002	91	1665217	50.5	
124 sec-Butylbenzene	134	12.678	12.680	-0.002	94	483962	50.8	
125 4-Isopropyltoluene	119	12.782	12.784	-0.002	95	2017175	51.5	
126 1,3-Dichlorobenzene	146	12.869	12.854	0.015	98	975302	48.1	
128 1,4-Dichlorobenzene	146	12.939	12.941	-0.002	94	959781	48.7	
129 n-Butylbenzene	91	13.218	13.202	0.016	95	1849028	52.4	
130 1,2-Dichlorobenzene	146	13.357	13.358	-0.001	98	801776	47.7	
131 1,2-Dibromo-3-Chloropropane	157	14.210	14.194	0.016	86	44290	43.8	
132 1,2,4-Trichlorobenzene	180	15.271	15.256	0.015	94	454659	51.6	
133 Hexachlorobutadiene	225	15.428	15.430	-0.002	92	340849	53.7	
134 Naphthalene	128	15.654	15.656	-0.002	98	604209	43.0	
135 1,2,3-Trichlorobenzene	180	16.020	16.022	-0.002	94	361447	49.8	
S 136 Trihalomethanes, Total	1				0		183.3	
S 137 Xylenes, Total (URS)	1				0		98.8	
S 139 1,3-Dichloropropene, Total	1				0		93.1	
S 140 1,2-Dichloroethene, Total	1				0		96.7	
S 141 Xylenes, Total	106				0		98.8	
S 142 1,2-Dichloroethene, Total (URS)	96				0		96.7	

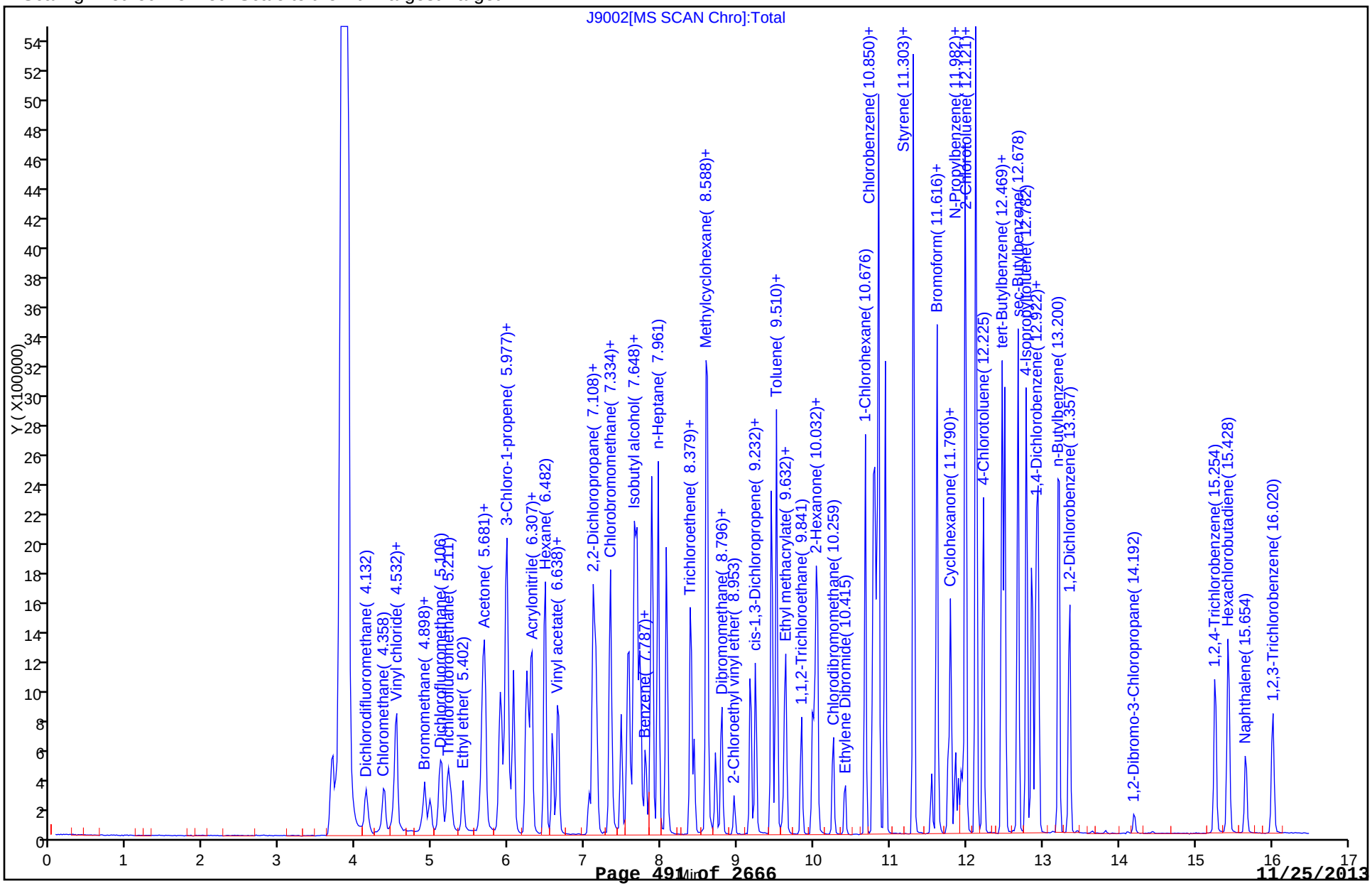
Report Date: 30-Oct-2013 16:35:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9002.D

Injection Date:	29-Oct-2013 17:51:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	6
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: J9018.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.591(g) | Date Analyzed: 10/29/2013 23:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	57.3		6.1	1.2	0.68
71-55-6	1,1,1-Trichloroethane	57.9		6.1	1.2	0.63
79-34-5	1,1,2,2-Tetrachloroethane	51.9		6.1	1.2	0.74
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	55.5		24	24	0.55
79-00-5	1,1,2-Trichloroethane	53.9		6.1	1.2	1.1
75-34-3	1,1-Dichloroethane	57.5		6.1	0.97	0.25
75-35-4	1,1-Dichloroethene	54.4		6.1	1.2	0.72
563-58-6	1,1-Dichloropropene	60.8		6.1	1.2	0.65
87-61-6	1,2,3-Trichlorobenzene	35.9	J	6.1	1.2	0.91
96-18-4	1,2,3-Trichloropropane	52.9		6.1	1.2	0.98
120-82-1	1,2,4-Trichlorobenzene	37.1	J	6.1	1.2	0.88
95-63-6	1,2,4-Trimethylbenzene	55.9		6.1	1.2	0.70
96-12-8	1,2-Dibromo-3-Chloropropane	46.2		12	1.2	0.73
95-50-1	1,2-Dichlorobenzene	47.8		6.1	1.2	0.55
107-06-2	1,2-Dichloroethane	52.0		6.1	1.2	0.85
78-87-5	1,2-Dichloropropane	56.8		6.1	1.2	0.67
108-67-8	1,3,5-Trimethylbenzene	57.4		6.1	1.2	0.69
541-73-1	1,3-Dichlorobenzene	50.1		6.1	1.2	0.58
142-28-9	1,3-Dichloropropane	50.3		6.1	1.2	0.62
106-46-7	1,4-Dichlorobenzene	49.2		6.1	1.2	0.95
123-91-1	1,4-Dioxane	852		610	97	68
544-10-5	1-Chlorohexane	55.9		6.1	0.97	0.76
594-20-7	2,2-Dichloropropane	56.9		6.1	1.2	0.53
78-93-3	2-Butanone (MEK)	368		24	7.8	2.2
95-49-8	2-Chlorotoluene	54.5		6.1	1.2	0.62
591-78-6	2-Hexanone	161		24	12	5.9
106-43-4	4-Chlorotoluene	52.7		6.1	1.2	0.95
99-87-6	4-Isopropyltoluene	52.8		6.1	1.2	0.59
108-10-1	4-Methyl-2-pentanone (MIBK)	154		24	12	5.3
67-64-1	Acetone	160		24	12	6.5
71-43-2	Benzene	57.2		6.1	1.2	0.57
108-86-1	Bromobenzene	52.9		6.1	1.2	0.59
75-25-2	Bromoform	52.1		6.1	0.97	0.28
74-83-9	Bromomethane	37.9		12	1.2	0.61
75-15-0	Carbon disulfide	57.8		6.1	1.2	0.51

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: J9018.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.591(g) | Date Analyzed: 10/29/2013 23:39

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	58.1		6.1	1.2	0.76
108-90-7	Chlorobenzene	53.7		6.1	1.2	0.65
74-97-5	Chlorobromomethane	54.1		6.1	1.2	0.36
124-48-1	Chlorodibromomethane	55.1		6.1	1.2	0.69
75-00-3	Chloroethane	38.5		12	1.2	1.1
67-66-3	Chloroform	55.0		12	1.2	0.35
74-87-3	Chloromethane	39.9		12	1.2	0.93
156-59-2	cis-1,2-Dichloroethene	57.7		6.1	1.2	0.68
10061-01-5	cis-1,3-Dichloropropene	53.7		6.1	2.4	1.6
110-82-7	Cyclohexane	55.4		6.1	1.9	0.48
74-95-3	Dibromomethane	52.4		6.1	1.2	1.0
75-27-4	Dichlorobromomethane	52.9		6.1	0.97	0.27
75-71-8	Dichlorodifluoromethane	43.1		12	1.2	0.63
100-41-4	Ethylbenzene	57.7		6.1	1.2	0.81
106-93-4	Ethylene Dibromide	48.9		6.1	1.2	0.63
87-68-3	Hexachlorobutadiene	35.6		6.1	1.2	0.67
98-82-8	Isopropylbenzene	56.3		6.1	1.2	0.72
79-20-9	Methyl acetate	273		10	4.8	3.3
1634-04-4	Methyl tert-butyl ether	52.4		24	1.2	0.41
108-87-2	Methylcyclohexane	51.8		6.1	0.97	0.51
75-09-2	Methylene Chloride	56.5		6.1	3.9	1.9
179601-23-1	m-Xylene & p-Xylene	58.4		3.9	2.4	1.3
91-20-3	Naphthalene	33.7		6.1	1.2	0.76
104-51-8	n-Butylbenzene	49.7		6.1	1.2	0.68
103-65-1	N-Propylbenzene	55.4		6.1	1.2	0.70
95-47-6	o-Xylene	57.5		6.1	1.2	0.74
135-98-8	sec-Butylbenzene	53.0		6.1	1.2	0.93
100-42-5	Styrene	60.5		6.1	1.2	0.76
98-06-6	tert-Butylbenzene	55.3		6.1	1.2	0.61
127-18-4	Tetrachloroethene	56.2		6.1	1.2	0.72
108-88-3	Toluene	59.2		6.1	1.2	0.84
156-60-5	trans-1,2-Dichloroethene	57.6		6.1	1.2	0.47
10061-02-6	trans-1,3-Dichloropropene	51.4		6.1	1.2	0.81
79-01-6	Trichloroethene	55.1		6.1	0.97	0.28
75-69-4	Trichlorofluoromethane	45.5		12	2.4	1.3
75-01-4	Vinyl chloride	39.2		6.1	2.4	1.6

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS Lab Sample ID: 280-48486-1 MS

Matrix: Solid Lab File ID: J9018.D

Analysis Method: 8260B/DoD Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.591(g) Date Analyzed: 10/29/2013 23:39

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 Level: (low/med) Low

Analysis Batch No.: 198398 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		61-129
460-00-4	4-Bromofluorobenzene (Surr)	90		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	94		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9018.D
Lims ID: 280-48486-A-1-C MS Client ID:
Inject. Date: 29-Oct-2013 23:39:30 Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 280-48486-a-1-c ms
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 28
Lims Batch ID: 198398 Lims Sample ID: 24
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 30-Oct-2013 16:30:35

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	1.173	1.051	0.122	0	449	0	
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	46	349196	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1522103	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	79	328125	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	94	470033	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	53	440265	45.6	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.788	7.787	0.001	97	354706	42.7	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	1405910	47.2	
$ 8 4-Bromofluorobenzene (Surr)	95	11.791	11.790	0.001	84	428547	45.0	
25 Dichlorodifluoromethane	85	4.132	4.133	-0.001	98	483314	35.6	
27 Chloromethane	50	4.359	4.360	-0.001	100	491860	32.9	
28 Vinyl chloride	62	4.515	4.516	-0.001	98	456543	32.3	
31 Bromomethane	94	4.898	4.899	-0.001	92	293574	31.2	
32 Chloroethane	64	4.968	4.969	-0.001	98	257583	31.8	
34 Trichlorofluoromethane	101	5.212	5.213	-0.001	97	624143	37.6	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.665	-0.001	95	400747	45.8	
41 Acetone	43	5.664	5.665	-0.001	85	187522	131.8	
45 1,1-Dichloroethene	96	5.699	5.683	0.016	99	403825	44.9	
48 Methyl acetate	43	5.908	5.909	-0.001	90	893290	225.5	
51 Carbon disulfide	76	5.977	5.978	-0.001	99	2050844	47.7	
52 Methylene Chloride	84	6.064	6.065	-0.001	94	446829	46.6	
54 Methyl tert-butyl ether	73	6.256	6.257	-0.001	97	656526	43.3	
55 trans-1,2-Dichloroethene	96	6.308	6.292	0.016	95	491317	47.5	
59 1,1-Dichloroethane	63	6.639	6.640	-0.001	97	985808	47.5	
63 2-Butanone (MEK)	43	7.057	7.058	-0.001	98	921553	303.8	
65 cis-1,2-Dichloroethene	96	7.109	7.110	-0.001	87	459863	47.6	
67 2,2-Dichloropropane	77	7.144	7.145	-0.001	94	723241	46.9	
69 Chlorobromomethane	128	7.335	7.319	0.016	90	187591	44.7	
70 Chloroform	83	7.335	7.336	-0.001	96	787633	45.3	
73 1,1,1-Trichloroethane	97	7.579	7.562	0.017	92	718661	47.8	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 Cyclohexane	56	7.648	7.649	-0.001	97	939279	45.7	
75 1,1-Dichloropropene	75	7.683	7.684	-0.001	92	748540	50.1	
76 Carbon tetrachloride	117	7.718	7.719	-0.001	75	727698	47.9	
77 1,2-Dichloroethane	62	7.857	7.858	-0.001	92	445074	42.9	
79 Benzene	78	7.875	7.876	-0.001	98	1745696	47.2	
81 Trichloroethene	130	8.379	8.380	-0.001	93	518059	45.5	
84 1,2-Dichloropropane	63	8.588	8.589	-0.001	80	461797	46.9	
85 Methylcyclohexane	55	8.606	8.589	0.017	93	738271	42.7	
86 1,4-Dioxane	88	8.658	8.642	0.016	86	34531	702.6	
87 Dibromomethane	93	8.710	8.711	-0.001	85	180818	43.2	
88 Dichlorobromomethane	83	8.797	8.781	0.016	94	498728	43.6	
91 cis-1,3-Dichloropropene	75	9.163	9.164	-0.001	86	531523	44.3	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.233	-0.001	98	723738	127.4	
93 Toluene	91	9.511	9.512	-0.001	92	1689447	48.9	
95 trans-1,3-Dichloropropene	75	9.633	9.634	-0.001	99	436042	42.4	
96 1,1,2-Trichloroethane	97	9.842	9.843	-0.001	95	213448	44.4	
97 2-Hexanone	43	9.981	9.982	-0.001	97	450132	132.5	
98 1,3-Dichloropropane	76	10.016	10.017	-0.001	94	404063	41.5	
99 Tetrachloroethene	164	10.050	10.034	0.016	97	401556	46.4	
100 Chlorodibromomethane	129	10.259	10.243	0.016	87	318046	45.5	
102 Ethylene Dibromide	107	10.416	10.399	0.017	99	206795	40.3	
103 1-Chlorohexane	91	10.677	10.678	-0.001	92	575432	46.1	
104 Chlorobenzene	112	10.799	10.800	-0.001	88	987191	44.3	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.852	-0.001	41	382684	47.2	
105 Ethylbenzene	106	10.851	10.852	-0.001	89	563055	47.6	
107 m-Xylene & p-Xylene	91	10.938	10.939	-0.001	99	1384955	48.2	
109 o-Xylene	106	11.304	11.305	-0.001	86	620578	47.4	
108 Styrene	104	11.304	11.305	-0.001	80	887956	50.0	
110 Bromoform	173	11.547	11.548	-0.001	94	154427	43.0	
111 Isopropylbenzene	105	11.617	11.618	-0.001	96	1733796	46.4	
114 1,1,2,2-Tetrachloroethane	83	11.861	11.862	-0.001	68	233051	42.9	
116 1,2,3-Trichloropropane	110	11.948	11.931	0.017	84	61191	43.6	
118 Bromobenzene	156	11.982	11.983	-0.001	58	385425	43.6	
117 N-Propylbenzene	120	11.982	11.983	-0.001	94	465282	45.7	
120 2-Chlorotoluene	126	12.139	12.123	0.016	97	417196	45.0	
119 1,3,5-Trimethylbenzene	105	12.122	12.123	-0.001	89	1320994	47.3	
121 4-Chlorotoluene	126	12.226	12.227	-0.001	97	387643	43.5	
122 tert-Butylbenzene	119	12.470	12.471	-0.001	92	1378746	45.6	
123 1,2,4-Trimethylbenzene	105	12.505	12.506	-0.001	92	1290073	46.2	
124 sec-Butylbenzene	134	12.679	12.680	-0.001	95	353139	43.8	
125 4-Isopropyltoluene	119	12.783	12.784	-0.001	95	1446452	43.5	
126 1,3-Dichlorobenzene	146	12.870	12.854	0.016	98	709396	41.3	
128 1,4-Dichlorobenzene	146	12.940	12.941	-0.001	93	678295	40.6	
129 n-Butylbenzene	91	13.201	13.202	-0.001	96	1227730	41.0	
130 1,2-Dichlorobenzene	146	13.358	13.358	0.0	98	561143	39.4	
131 1,2-Dibromo-3-Chloropropane	157	14.210	14.194	0.016	83	32646	38.1	
132 1,2,4-Trichlorobenzene	180	15.272	15.256	0.016	94	228184	30.6	
133 Hexachlorobutadiene	225	15.429	15.430	-0.001	91	158113	29.4	
134 Naphthalene	128	15.672	15.656	0.016	97	328861	27.8	
135 1,2,3-Trichlorobenzene	180	16.021	16.022	-0.001	96	182181	29.6	

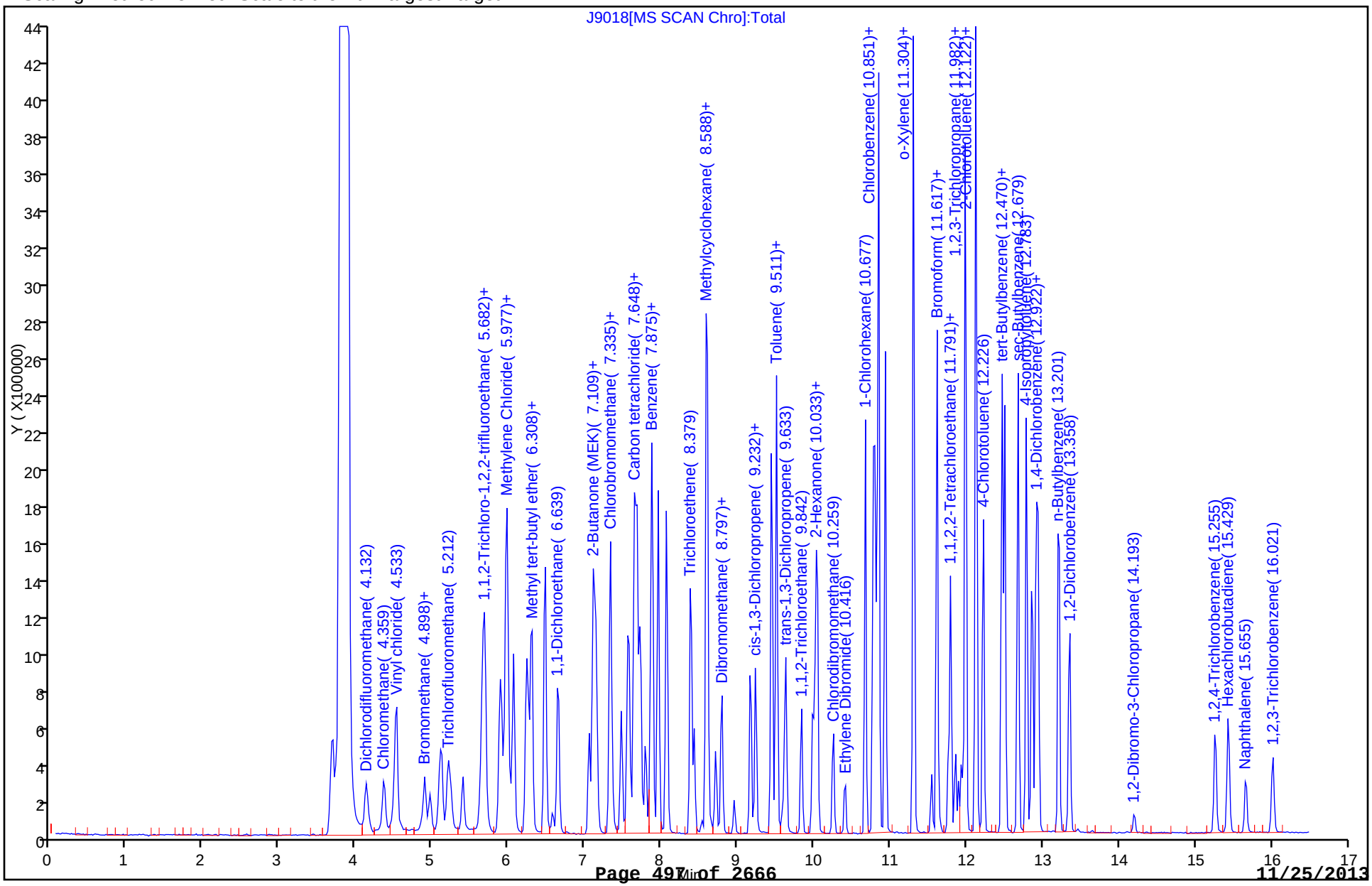
Report Date: 30-Oct-2013 16:34:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9018.D

Injection Date:	29-Oct-2013 23:39:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	24
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: J9019.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.357(g) | Date Analyzed: 10/30/2013 00:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
630-20-6	1,1,1,2-Tetrachloroethane	63.1		6.4	1.3	0.72
71-55-6	1,1,1-Trichloroethane	66.5		6.4	1.3	0.66
79-34-5	1,1,2,2-Tetrachloroethane	65.1		6.4	1.3	0.78
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane	62.5		26	26	0.57
79-00-5	1,1,2-Trichloroethane	60.9		6.4	1.3	1.1
75-34-3	1,1-Dichloroethane	64.8		6.4	1.0	0.27
75-35-4	1,1-Dichloroethene	62.6		6.4	1.3	0.75
563-58-6	1,1-Dichloropropene	69.2		6.4	1.3	0.69
87-61-6	1,2,3-Trichlorobenzene	38.6		6.4	1.3	0.96
96-18-4	1,2,3-Trichloropropane	66.4		6.4	1.3	1.0
120-82-1	1,2,4-Trichlorobenzene	41.3		6.4	1.3	0.93
95-63-6	1,2,4-Trimethylbenzene	70.6		6.4	1.3	0.74
96-12-8	1,2-Dibromo-3-Chloropropane	57.5		13	1.3	0.77
95-50-1	1,2-Dichlorobenzene	58.5		6.4	1.3	0.57
107-06-2	1,2-Dichloroethane	58.6		6.4	1.3	0.89
78-87-5	1,2-Dichloropropane	64.0		6.4	1.3	0.70
108-67-8	1,3,5-Trimethylbenzene	71.4		6.4	1.3	0.73
541-73-1	1,3-Dichlorobenzene	60.7		6.4	1.3	0.61
142-28-9	1,3-Dichloropropane	57.6		6.4	1.3	0.65
106-46-7	1,4-Dichlorobenzene	60.3		6.4	1.3	1.0
123-91-1	1,4-Dioxane	925		640	100	72
544-10-5	1-Chlorohexane	63.2		6.4	1.0	0.80
594-20-7	2,2-Dichloropropane	63.8		6.4	1.3	0.56
78-93-3	2-Butanone (MEK)	623	J	26	8.2	2.3
95-49-8	2-Chlorotoluene	68.8		6.4	1.3	0.65
591-78-6	2-Hexanone	223	J	26	13	6.2
106-43-4	4-Chlorotoluene	66.5		6.4	1.3	1.0
99-87-6	4-Isopropyltoluene	67.4		6.4	1.3	0.63
108-10-1	4-Methyl-2-pentanone (MIBK)	212	J	26	13	5.6
67-64-1	Acetone	231	J	26	13	6.9
71-43-2	Benzene	64.8		6.4	1.3	0.60
108-86-1	Bromobenzene	67.2		6.4	1.3	0.63
75-25-2	Bromoform	58.1		6.4	1.0	0.29
74-83-9	Bromomethane	51.5	J	13	1.3	0.64
75-15-0	Carbon disulfide	65.3		6.4	1.3	0.54

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: J9019.D

Analysis Method: 8260B/DoD | Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.357(g) | Date Analyzed: 10/30/2013 00:00

Soil Aliquot Vol: | Dilution Factor: 1

Soil Extract Vol.: | GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 | Level: (low/med) Low

Analysis Batch No.: 198398 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
56-23-5	Carbon tetrachloride	65.1		6.4	1.3	0.80
108-90-7	Chlorobenzene	61.0		6.4	1.3	0.69
74-97-5	Chlorobromomethane	62.1		6.4	1.3	0.38
124-48-1	Chlorodibromomethane	62.1		6.4	1.3	0.73
75-00-3	Chloroethane	53.3	J	13	1.3	1.1
67-66-3	Chloroform	62.6		13	1.3	0.37
74-87-3	Chloromethane	53.7		13	1.3	0.98
156-59-2	cis-1,2-Dichloroethene	65.5		6.4	1.3	0.72
10061-01-5	cis-1,3-Dichloropropene	60.8		6.4	2.6	1.6
110-82-7	Cyclohexane	65.1		6.4	2.0	0.51
74-95-3	Dibromomethane	60.6		6.4	1.3	1.1
75-27-4	Dichlorobromomethane	59.9		6.4	1.0	0.28
75-71-8	Dichlorodifluoromethane	56.9		13	1.3	0.66
100-41-4	Ethylbenzene	65.4		6.4	1.3	0.86
106-93-4	Ethylene Dibromide	56.4		6.4	1.3	0.66
87-68-3	Hexachlorobutadiene	43.0		6.4	1.3	0.70
98-82-8	Isopropylbenzene	71.2		6.4	1.3	0.75
79-20-9	Methyl acetate	308		11	5.1	3.5
1634-04-4	Methyl tert-butyl ether	62.2		26	1.3	0.43
108-87-2	Methylcyclohexane	59.3		6.4	1.0	0.54
75-09-2	Methylene Chloride	65.2		6.4	4.1	2.0
179601-23-1	m-Xylene & p-Xylene	65.4		4.1	2.6	1.3
91-20-3	Naphthalene	39.4		6.4	1.3	0.80
104-51-8	n-Butylbenzene	60.7		6.4	1.3	0.72
103-65-1	N-Propylbenzene	70.2		6.4	1.3	0.74
95-47-6	o-Xylene	66.0		6.4	1.3	0.78
135-98-8	sec-Butylbenzene	67.7		6.4	1.3	0.98
100-42-5	Styrene	68.0		6.4	1.3	0.80
98-06-6	tert-Butylbenzene	69.9		6.4	1.3	0.64
127-18-4	Tetrachloroethene	62.5		6.4	1.3	0.75
108-88-3	Toluene	67.0		6.4	1.3	0.88
156-60-5	trans-1,2-Dichloroethene	66.1		6.4	1.3	0.50
10061-02-6	trans-1,3-Dichloropropene	57.4		6.4	1.3	0.86
79-01-6	Trichloroethene	62.2		6.4	1.0	0.29
75-69-4	Trichlorofluoromethane	60.4		13	2.6	1.3
75-01-4	Vinyl chloride	54.6	J	6.4	2.6	1.7

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD Lab Sample ID: 280-48486-1 MSD

Matrix: Solid Lab File ID: J9019.D

Analysis Method: 8260B/DoD Date Collected: 10/25/2013 11:00

Sample wt/vol: 4.357(g) Date Analyzed: 10/30/2013 00:00

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: DB-624 (75.53) ID: 0.53(mm)

% Moisture: 10.1 Level: (low/med) Low

Analysis Batch No.: 198398 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		61-129
460-00-4	4-Bromofluorobenzene (Surr)	96		85-120
1868-53-7	Dibromofluoromethane (Surr)	91		71-126
2037-26-5	Toluene-d8 (Surr)	92		85-115

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9019.D
Lims ID: 280-48486-A-1-D MSD Client ID:
Inject. Date: 30-Oct-2013 00:00:30 Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 280-48486-a-1-d msd
Misc. Info.:
Operator: DUKESA Instrument ID: VMS_J
Purge Vol: 5.000 mL ALS Bottle#: 29
Lims Batch ID: 198398 Lims Sample ID: 25
Detector: MS SCAN

Method: \\Denchrom\ChromData\VMS_J\20131029-16858.b\SO_VMSJ_8260.m
Last Update: 30-Oct-2013 16:34:40 Calib Date: 21-Oct-2013 20:03:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\VMS_J\20131021-16552.b\J8883.D
Limit Group: MSV - 8260B Water and Solid
Integrator: RTE ID Type: Deconvolution ID
Column Type: DB-624 Column Dia: 0.25 mm
Process Host: XAWRK032

First Level Reviewer: dukesa Date: 30-Oct-2013 16:30:54

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
* 149 1,4-Dioxane-d8	96	0.999	1.051	-0.052	0	429	0	
* 150 TBA-d9 (IS)	65	5.960	5.960	0.0	38	347791	1000.0	
* 1 Fluorobenzene	96	8.066	8.066	0.0	97	1469602	50.0	
* 2 Chlorobenzene-d5	119	10.781	10.781	0.0	81	316984	50.0	
* 3 1,4-Dichlorobenzene-d4	152	12.922	12.922	0.0	94	400898	50.0	
$ 5 Dibromofluoromethane (Surr)	111	7.474	7.474	0.0	54	425984	45.7	
$ 6 1,2-Dichloroethane-d4 (Surr)	65	7.787	7.787	0.0	93	350752	43.8	
$ 7 Toluene-d8 (Surr)	98	9.441	9.441	0.0	86	1327102	46.1	
$ 8 4-Bromofluorobenzene (Surr)	95	11.790	11.790	0.0	85	390683	48.0	
25 Dichlorodifluoromethane	85	4.132	4.133	-0.001	99	593128	44.6	
27 Chloromethane	50	4.358	4.360	-0.002	99	606180	42.0	
28 Vinyl chloride	62	4.515	4.516	-0.001	98	582783	42.8	
31 Bromomethane	94	4.898	4.899	-0.001	92	366257	40.4	
32 Chloroethane	64	4.967	4.969	-0.002	98	326599	41.7	
34 Trichlorofluoromethane	101	5.211	5.213	-0.002	98	759392	47.3	
42 1,1,2-Trichloro-1,2,2-trifluoroe	151	5.664	5.665	-0.001	93	413397	48.9	
41 Acetone	43	5.664	5.665	-0.001	73	237692	181.2	
45 1,1-Dichloroethene	96	5.698	5.683	0.015	98	425931	49.0	
48 Methyl acetate	43	5.907	5.909	-0.002	90	922572	241.2	
51 Carbon disulfide	76	5.977	5.978	-0.001	99	2122490	51.2	
52 Methylene Chloride	84	6.064	6.065	-0.001	93	472792	51.1	
54 Methyl tert-butyl ether	73	6.255	6.257	-0.002	93	712928	48.7	
55 trans-1,2-Dichloroethene	96	6.308	6.292	0.016	96	516984	51.8	
59 1,1-Dichloroethane	63	6.638	6.640	-0.002	97	1017755	50.8	
63 2-Butanone (MEK)	43	7.056	7.058	-0.002	98	1428601	487.8	
65 cis-1,2-Dichloroethene	96	7.108	7.110	-0.002	88	478749	51.3	
67 2,2-Dichloropropane	77	7.143	7.145	-0.002	92	744041	50.0	
69 Chlorobromomethane	128	7.335	7.319	0.016	90	197326	48.7	
70 Chloroform	83	7.335	7.336	-0.001	96	821553	49.0	
73 1,1,1-Trichloroethane	97	7.578	7.562	0.016	92	756395	52.1	

Compound	Sig	RT	EXP RT	DLT RT	Q	Response	On-Col Amt ug/l	Flags
74 Cyclohexane	56	7.648	7.649	-0.001	97	1010592	51.0	
75 1,1-Dichloropropene	75	7.683	7.684	-0.001	92	780416	54.2	
76 Carbon tetrachloride	117	7.717	7.719	-0.002	76	747578	51.0	
77 1,2-Dichloroethane	62	7.857	7.858	-0.001	92	459152	45.9	
79 Benzene	78	7.874	7.876	-0.002	97	1813739	50.7	
81 Trichloroethene	130	8.396	8.380	0.016	93	536159	48.7	
84 1,2-Dichloropropane	63	8.588	8.589	-0.001	80	476401	50.1	
85 Methylcyclohexane	55	8.605	8.589	0.016	92	774396	46.4	
86 1,4-Dioxane	88	8.657	8.642	0.015	84	34358	724.1	
87 Dibromomethane	93	8.710	8.711	-0.001	84	191620	47.4	
88 Dichlorobromomethane	83	8.797	8.781	0.016	94	517860	46.9	
91 cis-1,3-Dichloropropene	75	9.162	9.164	-0.002	86	551575	47.6	
92 4-Methyl-2-pentanone (MIBK)	43	9.232	9.233	-0.001	97	917063	165.7	
93 Toluene	91	9.510	9.512	-0.002	92	1749937	52.4	
95 trans-1,3-Dichloropropene	75	9.632	9.634	-0.002	98	445793	44.9	
96 1,1,2-Trichloroethane	97	9.841	9.843	-0.002	94	221192	47.7	
97 2-Hexanone	43	9.980	9.982	-0.002	97	573743	174.8	
98 1,3-Dichloropropane	76	10.015	10.017	-0.002	94	424106	45.1	
99 Tetrachloroethene	164	10.050	10.034	0.016	97	409594	49.0	
100 Chlorodibromomethane	129	10.259	10.243	0.016	86	328333	48.6	
102 Ethylene Dibromide	107	10.415	10.399	0.016	98	218904	44.2	
103 1-Chlorohexane	91	10.676	10.678	-0.002	93	596548	49.5	
104 Chlorobenzene	112	10.798	10.800	-0.002	90	1026849	47.7	
106 1,1,1,2-Tetrachloroethane	131	10.851	10.852	-0.001	43	386893	49.4	
105 Ethylbenzene	106	10.851	10.852	-0.001	99	584505	51.2	
107 m-Xylene & p-Xylene	91	10.938	10.939	-0.001	99	1422967	51.2	
109 o-Xylene	106	11.303	11.305	-0.002	87	653426	51.7	
108 Styrene	104	11.303	11.305	-0.002	81	914115	53.2	
110 Bromoform	173	11.547	11.548	-0.001	94	157757	45.5	
111 Isopropylbenzene	105	11.616	11.618	-0.002	96	1775560	55.8	
114 1,1,2,2-Tetrachloroethane	83	11.860	11.862	-0.002	93	236615	51.0	
116 1,2,3-Trichloropropane	110	11.947	11.931	0.016	82	62254	52.0	
118 Bromobenzene	156	11.982	11.983	-0.001	58	396260	52.6	
117 N-Propylbenzene	120	11.999	11.983	0.016	95	477298	55.0	
120 2-Chlorotoluene	126	12.139	12.123	0.016	98	425742	53.8	
119 1,3,5-Trimethylbenzene	105	12.121	12.123	-0.002	87	1331164	55.9	
121 4-Chlorotoluene	126	12.226	12.227	-0.001	97	395488	52.1	
122 tert-Butylbenzene	119	12.469	12.471	-0.002	91	1411428	54.7	
123 1,2,4-Trimethylbenzene	105	12.504	12.506	-0.002	91	1318354	55.3	
124 sec-Butylbenzene	134	12.678	12.680	-0.002	95	364562	53.0	
125 4-Isopropyltoluene	119	12.783	12.784	-0.001	95	1494838	52.8	
126 1,3-Dichlorobenzene	146	12.870	12.854	0.016	98	696056	47.5	
128 1,4-Dichlorobenzene	146	12.939	12.941	-0.002	93	672749	47.2	
129 n-Butylbenzene	91	13.200	13.202	-0.002	96	1211761	47.5	
130 1,2-Dichlorobenzene	146	13.357	13.358	-0.001	98	556077	45.8	
131 1,2-Dibromo-3-Chloropropane	157	14.210	14.194	0.016	81	32885	45.0	
132 1,2,4-Trichlorobenzene	180	15.272	15.256	0.016	94	205883	32.4	
133 Hexachlorobutadiene	225	15.428	15.430	-0.002	93	154237	33.6	
134 Naphthalene	128	15.655	15.656	-0.001	97	311956	30.8	
135 1,2,3-Trichlorobenzene	180	16.020	16.022	-0.002	96	158497	30.2	

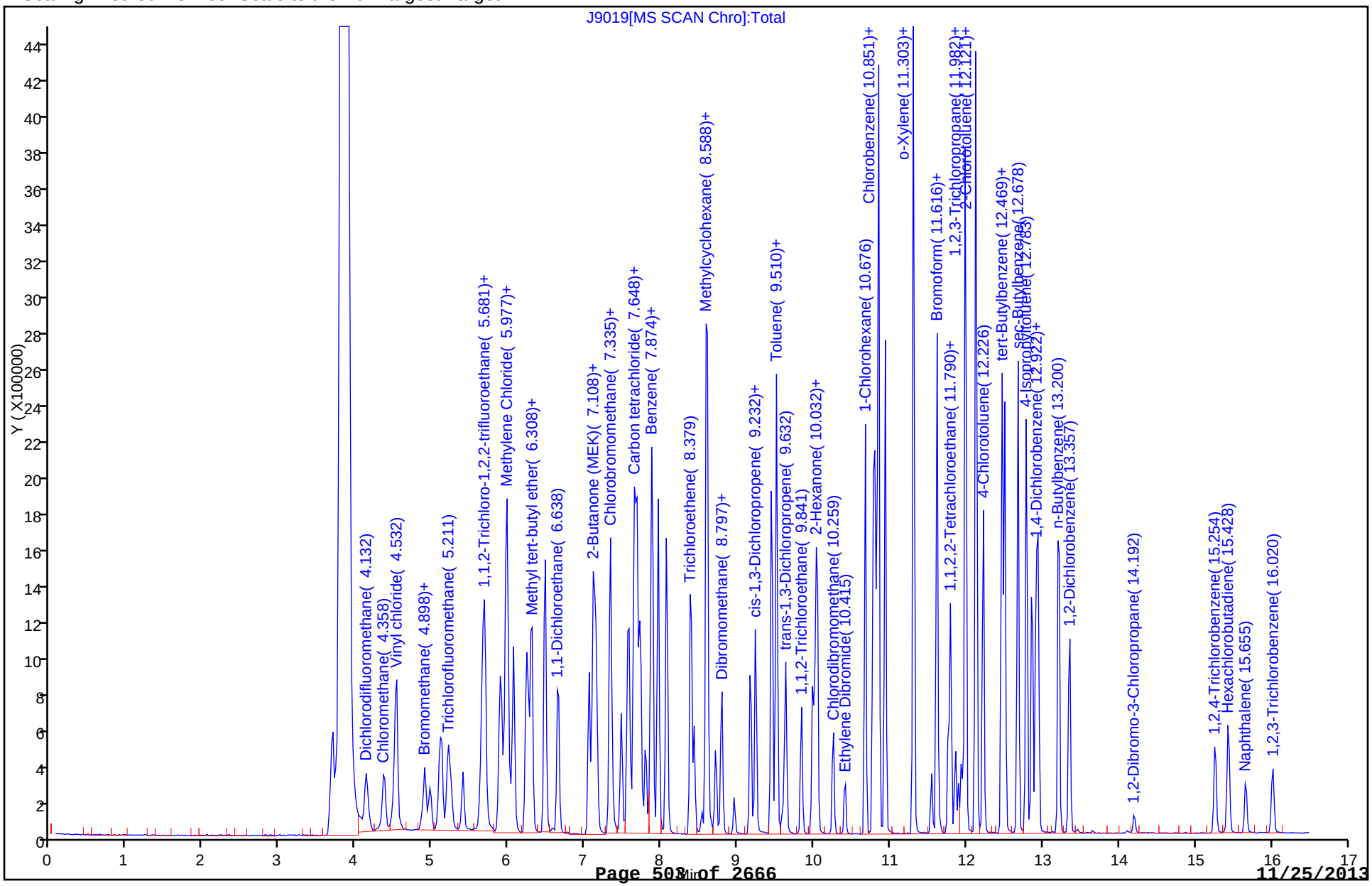
Report Date: 30-Oct-2013 16:34:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\VMS_J\20131029-16858.b\J9019.D

Injection Date:	30-Oct-2013 00:00:30	Limit Group:	MSV - 8260B Water and Solid
Client ID:		Instrument ID:	VMS_J
Lims Batch ID:	198398	Lims Sample ID:	25
Operator ID:	DUKESA	Purge Vol:	5.000 mL
Column Type:	DB-624	Column Dia:	0.25 mm

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



GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Start Date: 10/21/2013 13:25

Analysis Batch Number: 196983 End Date: 10/22/2013 00:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-196983/1		10/21/2013 13:25	1	J8866.D	DB-624 (75.53) 0.53(mm)
STD1 280-196983/2 IC		10/21/2013 14:09	1	J8867.D	DB-624 (75.53) 0.53(mm)
STD2 280-196983/3 IC		10/21/2013 14:30	1	J8868.D	DB-624 (75.53) 0.53(mm)
STD5 280-196983/4 IC		10/21/2013 14:52	1	J8869.D	DB-624 (75.53) 0.53(mm)
STD10 280-196983/5 IC		10/21/2013 15:24	1	J8870.D	DB-624 (75.53) 0.53(mm)
STD20 280-196983/6 IC		10/21/2013 15:45	1	J8871.D	DB-624 (75.53) 0.53(mm)
ICIS 280-196983/7		10/21/2013 16:06	1	J8872.D	DB-624 (75.53) 0.53(mm)
STD100 280-196983/8 IC		10/21/2013 16:28	1	J8873.D	DB-624 (75.53) 0.53(mm)
STD200 280-196983/9 IC		10/21/2013 16:49	1	J8874.D	DB-624 (75.53) 0.53(mm)
ICV 280-196983/10		10/21/2013 17:11	1	J8875.D	DB-624 (75.53) 0.53(mm)
STD1 280-196983/11 IC		10/21/2013 17:32	1	J8876.D	DB-624 (75.53) 0.53(mm)
STD2 280-196983/12 IC		10/21/2013 17:54	1	J8877.D	DB-624 (75.53) 0.53(mm)
STD5 280-196983/13 IC		10/21/2013 18:15	1	J8878.D	DB-624 (75.53) 0.53(mm)
STD10 280-196983/14 IC		10/21/2013 18:37	1	J8879.D	DB-624 (75.53) 0.53(mm)
STD20 280-196983/15 IC		10/21/2013 18:59	1	J8880.D	DB-624 (75.53) 0.53(mm)
STD50 280-196983/16 IC		10/21/2013 19:20	1	J8881.D	DB-624 (75.53) 0.53(mm)
STD100 280-196983/17 IC		10/21/2013 19:42	1	J8882.D	DB-624 (75.53) 0.53(mm)
STD200 280-196983/18 IC		10/21/2013 20:03	1	J8883.D	DB-624 (75.53) 0.53(mm)
ICV 280-196983/19		10/21/2013 20:24	1	J8884.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 21:25	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 21:47	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 22:08	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 22:30	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 22:52	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 23:13	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/21/2013 23:35	1		DB-624 (75.53) 0.53(mm)
ICV 280-196983/35		10/21/2013 23:57	1	J8892.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		10/22/2013 00:18	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/22/2013 00:40	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: VMS_J Start Date: 10/29/2013 16:44

Analysis Batch Number: 198398 End Date: 10/30/2013 03:15

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 280-198398/1		10/29/2013 16:44	1	J8999.D	DB-624 (75.53) 0.53(mm)
CCV 280-198398/2		10/29/2013 17:07	1	J9000.D	DB-624 (75.53) 0.53(mm)
CCV 280-198398/3		10/29/2013 17:29	1	J9001.D	DB-624 (75.53) 0.53(mm)
LCS 280-198393/2-A		10/29/2013 17:51	1	J9002.D	DB-624 (75.53) 0.53(mm)
MB 280-198393/1-A		10/29/2013 18:12	1	J9003.D	DB-624 (75.53) 0.53(mm)
280-48486-1	AOI474BF	10/29/2013 23:17	1	J9017.D	DB-624 (75.53) 0.53(mm)
280-48486-1 MS	AOI474BF MS	10/29/2013 23:39	1	J9018.D	DB-624 (75.53) 0.53(mm)
280-48486-1 MSD	AOI474BF MSD	10/30/2013 00:00	1	J9019.D	DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 00:22	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 00:43	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 01:05	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 02:31	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 02:53	1		DB-624 (75.53) 0.53(mm)
ZZZZZ		10/30/2013 03:15	1		DB-624 (75.53) 0.53(mm)

GC/MS VOA Continuing Calibration Review Checklist *TestAmerica Denver*

Instrument ID and Date: J 10/29/13 Work List 16858

Check Method Used: Analysis ☐ 624 ☐ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☐ 20mL ☐ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Continuing Calibration					
1. BFB meets criteria?					
2. ICAL date and instrument ID verified?					
3. Do SPCC RRFs and CCC %Ds meet method criteria?					
4. Does %D meet criteria for non-CCC compounds?					
5. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane					
6. Label number of standard used recorded?					
7. Manual integrations documented and checked?				N/A	
8. Do the Internal Standards meet criteria for %D against ICAL?					
9. Does this CCV pass Q4 criteria?					

1st Level Reviewer: AMD Date: 10/29/13

2nd Level Reviewer: [signature] Date: 10/29/13

Revision 2
4/2/2013
G:\QA\Edit\FORMS\Data Review\MS VOA\GCMS VOA CCV Rev2.doc

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1644 - 0105

Lims Batch : 198350
198398

Sequence Name: C:\HPCHEM\1\SEQUENCE\102913.S
Comment:
Operator: DUKESA
Data Path: C:\HPCHEM\1\data\102913.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

16858

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	1	J8997	8260S	PRIMER
2	Sample	2	J8998	8260S	PRIMER
3	Sample	100	J8999	BFBS	BFB 1644
4	Sample	10	J9000	8260S	CCV
5	Sample	11	J9001	8260S	CCV
6	Sample	12	J9002	8260S	LCS
7	Sample	13	J9003	8260S	MB
8	Sample	14	J9004	8260S	280-48454-a-3-a
9	Sample	15	J9005	8260S	280-48515-f-1-a
10	Sample	16	J9006	8260S	280-48515-f-2-a
11	Sample	17	J9007	8260S	280-48515-f-4-a
12	Sample	18	J9008	8260S	280-48515-f-5-a
13	Sample	19	J9009	8260S	280-48512-f-1-a
14	Sample	20	J9010	8260S	280-48512-f-2-a
15	Sample	21	J9011	8260S	280-48512-f-3-a
16	Sample	22	J9012	8260S	280-48512-f-4-a
17	Sample	23	J9013	8260S	280-48517-c-1-a SST, RRO 38
18	Sample	24	J9014	8260S	280-48517-c-3-a
19	Sample	25	J9015	8260S	280-48517-c-5-a
20	Sample	26	J9016	8260S	280-48517-c-6-a
21	Sample	27	J9017	8260S	280-48486-a-1-b
22	Sample	28	J9018	8260S	280-48486-a-1-c ms
23	Sample	29	J9019	8260S	280-48486-a-1-d msd
24	Sample	30	J9020	8260S	280-48274-a-2-k
25	Sample	31	J9021	8260S	280-48365-a-1-b ISTD, CONFIRM Report
26	Sample	32	J9022	8260S	280-48365-a-3-b ISTD ↓
27	Sample	33	J9023	8260S	280-48517-e-1-a Report
28	Sample	34	J9024	8260S	BLK 0105
29	Sample	35	J9025	8260S	BLK
30	Sample	36	J9026	8260S	280-48336-b-14 FRZE BLKS
31	Sample	37	J9027	8260S	280-48336-b-15
32	Sample	38	J9028	8260S	280-48336-b-16
33	Sample	39	J9029	8260S	PRIMER
34	Sample	40	J9030	8260S	PRIMER 0315

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 102913 Worklist Number: 16858
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20131029-16858.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-ARCH SS A_00010 Amount Added: 1.000000, Units: uL
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016858-001	# 1 BFB	MV-BFB_00010	BFB		voaSoilLL	1.000000	uL	1.000000
280-0016858-002	# 2 CCV	MV-567649-D_00001 MV-2 Cleve_00016 MV-Gas/Ket A_00013 MV-Main A_00007	CCV		voaSoilLL	5.000000	g	1.000000
280-0016858-003	# 3 CCV	MV-Supp A_00004	CCV		voaSoilLL	5.000000	g	1.000000
280-0016858-006	# 6 LCS	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009	LCS		voaSoilLL	5.000000	g	1.000000
280-0016858-007	# 7 MB		MB		voaSoilLL	5.000000	g	1.000000
280-0016858-008	# 8 280-32357-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-009	# 9 280-32357-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-010	#10 280-48454-A-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-011	#11 280-48515-F-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-012	#12 280-48515-F-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-013	#13 280-48515-F-4-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-014	#14 280-48515-F-5-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016858-015	#15 280-48512-F-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-016	#16 280-48512-F-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-017	#17 280-48512-F-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-018	#18 280-48512-F-4-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-019	#19 280-48517-C-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-020	#20 280-48517-C-3-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-021	#21 280-48517-C-5-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-022	#22 280-48517-C-6-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-023	#23 280-48486-A-1-B		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-024	#24 280-48486-A-1-C MS	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009	MS		voaSoilLL	5.000000	g	1.000000
280-0016858-025	#25 280-48486-A-1-D MSD	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009	MSD		voaSoilLL	5.000000	g	1.000000
280-0016858-026	#26 280-48274-A-2-K		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-027	#27 280-48365-A-1-B		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-028	#28 280-48365-A-3-B		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-029	#29 280-48336-B-14		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-030	#30 280-48336-B-15		Client		voaSoilLL	5.000000	g	1.000000
280-0016858-031	#31 280-48336-B-16		Client		voaSoilLL	5.000000	g	1.000000

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica

Instrument ID and Date: J 10/21/13 MAIN ICAL Batch/ICV lines 196983/19
Calibration Event 15999 Work List 16552 2nd Day Batch/ICV lines ~~NA~~ 196983/35
Link for Q4 2-Hexanone

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☐ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☐ 5030 Low ☐ 5030 High

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	/			/	
2. ICAL date and instrument ID verified?	/			/	
3. Does the Form VI match the data in the Chrom source method?	/			/	
4. Sufficient number of calibration points used?	/			/	
5. Reasons for removal of points documented?	/			/	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	/			/	
7. Response factors meet criteria?	/			/	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	/			/	
9. Data checked for detector saturation?	/			/	
10. Label number of standards used recorded?	/			/	
11. Manual integrations documented and checked?	/			/	Ethyl Ether: All lvls, Ace lvl 2-200 1,2,3TCP lvl 20 ICV
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	/			/	

1st Level Reviewer: AOD Date: 10/21/13

2nd Level Reviewer: [signature] Date: 10/22/13

Q4: Report 2-Hexanone from ICV 35

* Not Calibrated for Acroleen

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g)

Tune Time: 1325 -0123 (Circle)

Lims Batch : 196552
197071

A00 10/22/13

Sequence Name: C:\HPCHEM\1\SEQUENCE\102113I.S
Comment:
Operator: SEIFERTJ
Data Path: C:\HPCHEM\1\data\102113I.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name	
1	Sample	100	J8866	BFBS	BFB	1325
2	Sample	10	J8867	8260S	STD1	
3	Sample	11	J8868	8260S	STD2	
4	Sample	12	J8869	8260S	STD5	
5	Sample	13	J8870	8260S	STD10	
6	Sample	14	J8871	8260S	STD20	
7	Sample	15	J8872	8260S	ICIS	
8	Sample	16	J8873	8260S	STD100	
9	Sample	17	J8874	8260S	STD200	
10	Sample	18	J8875	8260S	ICV	
11	Sample	19	J8876	8260S	STD1	
12	Sample	20	J8877	8260S	STD2	
13	Sample	21	J8878	8260S	STD5	
14	Sample	22	J8879	8260S	STD10	
15	Sample	23	J8880	8260S	STD20	
16	Sample	24	J8881	8260S	STD50	
17	Sample	25	J8882	8260S	STD100	
18	Sample	26	J8883	8260S	STD200	
19	Sample	27	J8884	8260S	ICV	
20	Sample	28	J8885	8260S	LCS	
21	Sample	29	J8886	8260S	MB	
22	Sample	30	J8887	8260S	280-48142-c-3-a	
23	Sample	31	J8888	8260S	280-48074-f-7-a	
24	Sample	32	J8889	8260S	280-48074-f-8-a	
25	Sample	33	J8890	8260S	280-48074-g-9-a	
26	Sample	34	J8891	8260S	280-48074-f-10-a	
27	Sample	35	J8892	8260S	ICV	
28	Sample	36	J8893	8260S	280-48074-f-11-a	
29	Sample	37	J8894	8260S	280-48074-f-12-a	CRACKED VIAL, RR
30	Sample	38	J8895	8260S	280-48017-a-1-a	
31	Sample	39	J8896	8260S	280-48017-a-2-a	0123
32	Sample	40	J8897	8260S	280-48017-a-6-a	12hr, RR

QE 15998

QE 15999

196552
196552
197071

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 102113I Worklist Number: 16552
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20131021-16552.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-ARCH SS A_00010 Amount Added: 1.000000, Units: uL
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-001	# 1 BFB	MV-BFB_00010	BFB		voaSoilLL	1.000000	uL	1.000000
280-0016552-002	# 2 STD1	MV-Supp A_00004 Freon_A_00001 MV-567649-D_00001 MV-ARCH SS A_00010	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-003	# 3 STD2	MV-Supp A_00004 Freon_A_00001 MV-ARCH SS A_00010 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-004	# 4 STD5	MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-005	# 5 STD10	MV-567649-D_00001 MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-006	# 6 STD20	Freon_A_00001 MV-Supp A_00004 MV-ARCH SS A_00010 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-007	# 7 ICIS	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	ICIS	6	voaSoilLL	5.000000	g	1.000000
280-0016552-008	# 8 STD100	MV-ARCH SS A_00010 MV-567649-D_00001 Freon_A_00001 MV-Supp A_00004	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-009	# 9 STD200	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-010	#10 ICV	Freon_B_00001 MV-Supp B_00001 MV-ARCH SS A_00010 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-011	#11 STD1	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-012	#12 STD2	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-013	#13 STD5	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-014	#14 STD10	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-015	#15 STD20	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-016	#16 STD50	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	6	voaSoilLL	5.000000	g	1.000000
280-0016552-017	#17 STD100	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-018	#18 STD200	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-019	#19 ICV	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000
280-0016552-020	#20 LCS	Freon_B_00001 MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 Acrolein B_00009	LCS		voaSoilLL	5.000000	g	1.000000
280-0016552-021	#21 MB		MB		voaSoilLL	5.000000	g	1.000000
280-0016552-022	#22 280-32357-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-023	#23 280-32357-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-024	#24 280-48142-C-3-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-025	#25 280-48074-F-7-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-026	#26 280-48074-F-8-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-027	#27 280-48074-G-9-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-028	#28 280-48074-F-10-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-029	#29 280-48074-F-11-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-030	#30 280-48074-F-12-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-031	#31 280-48017-A-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-032	#32 280-48017-A-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-033	#33 280-48017-A-6-A		Client		voaSoilLL	5.000000	g	1.000000

TestAmerica Denver
GC/MS Initial Calibration Review Checklist

TestAmerica

Instrument ID and Date: J 10/21/13 SUPP/FREON ICAL Batch/ICV lines 196983/10 10157
Calibration Event 15998 Work List 16552 2nd Day Batch/ICV lines NA

Check Method Used: Analysis ☐ 624 ☑ 8260B ☐ Other VOA _____

VOA Preparation ☑ 5mL ☐ 20mL ☑ 5035 Low ☐ 5035 High ☑ 5030 Low ☐ 5030 High

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. BFB meets criteria?	✓			✓	
2. ICAL date and instrument ID verified?	✓			✓	
3. Does the Form VI match the data in the Chrom source method?	✓			✓	
4. Sufficient number of calibration points used?	✓			✓	
5. Reasons for removal of points documented?	✓			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	✓			✓	
7. Response factors meet criteria?	✓			✓	
8. Isomeric pairs checked for correct peak assignment? Vinyl acetate/Isopropyl ether 1,3- /1,4- /1,2-Dichlorobenzene Ethylbenzene/Xylenes 1,3,5- /1,2,4-Trimethylbenzene / isopropylbenzene 2-Nitropropane between Bromodichloromethane &MIBK 2- /4-Chlorotoluene / n-propylbenzene MIBK/2-Hexanone Methyl/Ethyl Methacrylate 1,1-Dichloroethene /cis-1,2 & trans-1,2-Dichloroethene 1,1-Dichloropropene / cis / tran -1,3-Dichloropropene /1,2,3-Trichloropropane	✓			✓	
9. Data checked for detector saturation?	✓			✓	
10. Label number of standards used recorded?	✓			✓	
11. Manual integrations documented and checked?			✓	✓	
12. 2nd source ICV recovery 80-120% (±20%drift) for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	✓			✓	

1st Level Reviewer: Aoo Date: 10/21/13

2nd Level Reviewer: SA Date: 10/22/13

Ethylene Oxide +60.38 %D
Acetonitrile +57.63 %D
Ethyl Acetate +176.49 %D
n-Butyl Acetate +183.38 %D

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Denver

Instrument: J

DV-MS-0010 (8260B/624) (Circle)

Purge Volume: (20mL/5mL/5g) (Circle)

Tune Time: 1325 -0123

Lims Batch : 196552
197071

A100 10/22/13

Sequence Name: C:\HPCHEM\1\SEQUENCE\102113I.S
Comment:
Operator: SEIFERTJ
Data Path: C:\HPCHEM\1\data\102113I.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

Line	Type	Vial	DataFile	Method	Sample Name
1	Sample	100	J8866	BFBS	BFB 1325
2	Sample	10	J8867	8260S	STD1
3	Sample	11	J8868	8260S	STD2
4	Sample	12	J8869	8260S	STD5
5	Sample	13	J8870	8260S	STD10
6	Sample	14	J8871	8260S	STD20
7	Sample	15	J8872	8260S	ICIS
8	Sample	16	J8873	8260S	STD100
9	Sample	17	J8874	8260S	STD200
10	Sample	18	J8875	8260S	ICV
11	Sample	19	J8876	8260S	STD1
12	Sample	20	J8877	8260S	STD2
13	Sample	21	J8878	8260S	STD5
14	Sample	22	J8879	8260S	STD10
15	Sample	23	J8880	8260S	STD20
16	Sample	24	J8881	8260S	STD50
17	Sample	25	J8882	8260S	STD100
18	Sample	26	J8883	8260S	STD200
19	Sample	27	J8884	8260S	ICV
20	Sample	28	J8885	8260S	LCS
21	Sample	29	J8886	8260S	MB
22	Sample	30	J8887	8260S	280-48142-c-3-a
23	Sample	31	J8888	8260S	280-48074-f-7-a
24	Sample	32	J8889	8260S	280-48074-f-8-a
25	Sample	33	J8890	8260S	280-48074-g-9-a
26	Sample	34	J8891	8260S	280-48074-f-10-a
27	Sample	35	J8892	8260S	ICV
28	Sample	36	J8893	8260S	280-48074-f-11-a
29	Sample	37	J8894	8260S	280-48074-f-12-a CRACKED VIAL, RA
30	Sample	38	J8895	8260S	280-48017-a-1-a
31	Sample	39	J8896	8260S	280-48017-a-2-a 0123
32	Sample	40	J8897	8260S	280-48017-a-6-a 12hr, RA

QE 15998

QE 15999

196552
196552
197071

*Run rejected because of poor purge or QC issue. Do not report.
- Unless noted, volume of water used is 20 mL

TestAmerica Laboratories
Worklist Report

Worklist Name: 102113I Worklist Number: 16552
Instrument Name: VMS_J Chrom Method: SO_VMSJ_8260
Purge Volume: 5.000000 Units: mL
Analysis Type: VOA
Batch Directory: \\Denchrom\ChromData\VMS_J\20131021-16552.b
Upload Directory: \\Corptalsapp06\280-DN-RawData\Organics\MS\VMS_J
Run Reagent: MV-ARCH SS A_00010 Amount Added: 1.000000, Units: uL
Run Reagent: MV-567649-D_00001 Amount Added: 1.000000, Units: uL

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-001	# 1 BFB	MV-BFB_00010	BFB		voaSoilLL	1.000000	uL	1.000000
280-0016552-002	# 2 STD1	MV-Supp A_00004 Freon_A_00001 MV-567649-D_00001 MV-ARCH SS A_00010	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-003	# 3 STD2	MV-Supp A_00004 Freon_A_00001 MV-ARCH SS A_00010 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-004	# 4 STD5	MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-005	# 5 STD10	MV-567649-D_00001 MV-ARCH SS A_00010 Freon_A_00001 MV-Supp A_00004	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-006	# 6 STD20	Freon_A_00001 MV-Supp A_00004 MV-ARCH SS A_00010 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-007	# 7 ICIS	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	ICIS	6	voaSoilLL	5.000000	g	1.000000
280-0016552-008	# 8 STD100	MV-ARCH SS A_00010 MV-567649-D_00001 Freon_A_00001 MV-Supp A_00004	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-009	# 9 STD200	Freon_A_00001 MV-Supp A_00004 MV-567649-D_00001 MV-ARCH SS A_00010	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-010	#10 ICV	Freon_B_00001 MV-Supp B_00001 MV-ARCH SS A_00010 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-011	#11 STD1	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	1	voaSoilLL	5.000000	g	1.000000
280-0016552-012	#12 STD2	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	2	voaSoilLL	5.000000	g	1.000000
280-0016552-013	#13 STD5	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	3	voaSoilLL	5.000000	g	1.000000
280-0016552-014	#14 STD10	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	4	voaSoilLL	5.000000	g	1.000000
280-0016552-015	#15 STD20	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	5	voaSoilLL	5.000000	g	1.000000
280-0016552-016	#16 STD50	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	6	voaSoilLL	5.000000	g	1.000000
280-0016552-017	#17 STD100	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	7	voaSoilLL	5.000000	g	1.000000
280-0016552-018	#18 STD200	MV-Gas/Ket A_00013 MV-Main A_00007 MV-2 Cleve_00016 MV-567649-D_00001	IC	8	voaSoilLL	5.000000	g	1.000000
280-0016552-019	#19 ICV	MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 MV-567649-D_00001	ICV		voaSoilLL	5.000000	g	1.000000
280-0016552-020	#20 LCS	Freon_B_00001 MV-Gas/Ket B_00007 MV-Main B_00002 MV-SS 2-Cleve_00009 Acrolein B_00009	LCS		voaSoilLL	5.000000	g	1.000000
280-0016552-021	#21 MB		MB		voaSoilLL	5.000000	g	1.000000
280-0016552-022	#22 280-32357-A-4		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-023	#23 280-32357-A-5		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-024	#24 280-48142-C-3-A		Client		voaSoilLL	5.000000	g	1.000000

Worklist ID	Lims ID	Sample Reagents	Sample Type	Cal Lvl	Fraction	Initial Vol/Wt	Vol/Wt Units	Dilution Factor
280-0016552-025	#25 280-48074-F-7-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-026	#26 280-48074-F-8-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-027	#27 280-48074-G-9-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-028	#28 280-48074-F-10-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-029	#29 280-48074-F-11-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-030	#30 280-48074-F-12-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-031	#31 280-48017-A-1-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-032	#32 280-48017-A-2-A		Client		voaSoilLL	5.000000	g	1.000000
280-0016552-033	#33 280-48017-A-6-A		Client		voaSoilLL	5.000000	g	1.000000

GC/MS VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198393 Batch Start Date: 10/29/13 15:00 Batch Analyst: Dukes, Aaron D

Batch Method: 5030B Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount				
MB 280-198393/1		5030B, 8260B/DoD		5 g	5 mL				
LCS 280-198393/2		5030B, 8260B/DoD		5 g	5 mL				
280-48486-A-1	AOI474BF	5030B, 8260B/DoD	T	5.033 g	5 mL				
280-48486-A-1 MS	AOI474BF	5030B, 8260B/DoD	T	4.591 g	5 mL				
280-48486-A-1 MSD	AOI474BF	5030B, 8260B/DoD	T	4.357 g	5 mL				

Batch Notes	
Balance ID	24850252
Blank Soil Lot Number	2BI0314

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8270C DOD

Semivolatile Compounds (GC/MS) by Method 8270/DOD

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

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

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPH #
AOI474BF	280-48486-1	69	71	66	63	68	74
	MB 280-198371/1-A	72	72	69	70	64	80
	LCS 280-198371/2-A	76	75	71	73	85	82
AOI474BF MS	280-48486-1 MS	72	73	68	65	75	76
AOI474BF MSD	280-48486-1 MSD	72	73	69	67	78	78

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	35-105
PHL = Phenol-d5 (Surr)	40-100
NBZ = Nitrobenzene-d5 (Surr)	35-100
FBP = 2-Fluorobiphenyl	45-105
TBP = 2,4,6-Tribromophenol (Surr)	35-125
TPH = Terphenyl-d14 (Surr)	30-125

Column to be used to flag recovery values

FORM II 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2870.D

Lab ID: LCS 280-198371/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2500	1730	69	45-110	
1,2-Dichlorobenzene	2500	1720	69	45-95	
1,2-Diphenylhydrazine	2530	1940	77	54-120	
1,3-Dichlorobenzene	2500	1660	67	40-100	
1,4-Dichlorobenzene	2500	1670	67	35-105	
2,2'-oxybis[1-chloropropane]	2500	1660	66	20-115	
2,4,5-Trichlorophenol	2500	1980	79	50-110	
2,4,6-Trichlorophenol	2500	1920	77	45-110	
2,4-Dichlorophenol	2500	1870	75	45-110	
2,4-Dimethylphenol	2500	1730	69	30-105	
2,4-Dinitrophenol	5000	3400	68	15-130	
2,4-Dinitrotoluene	2500	2090	83	50-115	
2,6-Dinitrotoluene	2500	1980	79	50-110	
2-Chloronaphthalene	2500	1780	71	45-105	
2-Chlorophenol	2500	1820	73	45-105	
2-Methylnaphthalene	2500	1820	73	45-105	
2-Methylphenol	2500	1870	75	40-105	
2-Nitroaniline	2500	1870	75	45-120	
2-Nitrophenol	2500	1820	73	40-110	
3 & 4 Methylphenol	2500	1880	75	40-105	
3,3'-Dichlorobenzidine	2500	1240 J	50	10-130	
3-Nitroaniline	2500	1630	65	25-110	
4,6-Dinitro-2-methylphenol	5000	3700	74	30-135	
4-Bromophenyl phenyl ether	2500	1890	75	45-115	
4-Chloro-3-methylphenol	2500	1980	79	45-115	
4-Chloroaniline	2500	1130	45	10-95	
4-Chlorophenyl phenyl ether	2500	1920	77	45-110	
4-Nitroaniline	2500	1920	77	35-115	
4-Nitrophenol	5000	4320	86	15-140	
Acenaphthene	2500	1840	73	45-110	
Acenaphthylene	2500	1780	71	45-105	
Anthracene	2500	1880	75	55-105	
Benzo[a]anthracene	2500	1920	77	50-110	
Benzo[a]pyrene	2500	1940	77	50-110	
Benzo[b]fluoranthene	2500	1980	79	45-115	
Benzo[g,h,i]perylene	2500	1970	79	40-125	
Benzo[k]fluoranthene	2500	2140	86	45-125	
Benzoic acid	2500	1960	78	10-110	
Benzyl alcohol	2500	1820	73	20-125	
Bis(2-chloroethoxy)methane	2500	1730	69	45-110	
Bis(2-chloroethyl)ether	2500	1750	70	40-105	
Bis(2-ethylhexyl) phthalate	2500	1880	75	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2870.D

Lab ID: LCS 280-198371/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	2500	1910	76	50-125	
Carbazole	2500	1950	78	45-115	
Chrysene	2500	1930	77	55-110	
Dibenz(a,h)anthracene	2500	1960	78	40-125	
Dibenzofuran	2500	1880	75	50-105	
Diethyl phthalate	2500	2010	81	50-115	
Dimethyl phthalate	2500	1990	80	50-110	
Di-n-butyl phthalate	2500	1970	79	55-110	
Di-n-octyl phthalate	2500	1660	66	40-130	
Fluoranthene	2500	1960	78	55-115	
Fluorene	2500	1910	76	50-110	
Hexachlorobenzene	2500	1920	77	45-120	
Hexachlorobutadiene	2500	1740	69	40-115	
Hexachlorocyclopentadiene	2500	1530 J	61	35-123	
Hexachloroethane	2500	1660	67	35-110	
Indeno[1,2,3-cd]pyrene	2500	1740	70	40-120	M
Isophorone	2500	1650	66	45-110	
Naphthalene	2500	1790	72	40-105	
Nitrobenzene	2500	1760	70	40-115	
N-Nitrosodimethylamine	2500	1560	63	20-115	
N-Nitrosodi-n-propylamine	2500	1790	71	40-115	
N-Nitrosodiphenylamine	2500	1960	79	50-115	
Pentachlorophenol	5000	3530	71	25-120	
Phenanthrene	2500	1950	78	50-110	
Phenol	2500	1940	77	40-100	
Pyrene	2500	1980	79	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2880.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2870	36 U	1810	63	45-110	
1,2-Dichlorobenzene	2870	36 U	1860	65	45-95	
1,2-Diphenylhydrazine	2900	36 U	2130	73	54-120	
1,3-Dichlorobenzene	2870	36 U	1810	63	40-100	
1,4-Dichlorobenzene	2870	36 U	1790	62	35-105	
2,2'-oxybis[1-chloropropane]	2870	36 U	2050	71	20-115	
2,4,5-Trichlorophenol	2870	140 U	2090	73	50-110	
2,4,6-Trichlorophenol	2870	71 U	2080	72	45-110	
2,4-Dichlorophenol	2870	71 U	1980	69	45-110	
2,4-Dimethylphenol	2870	140 U	1930	67	30-105	
2,4-Dinitrophenol	5740	720 U	2790	49	15-130	
2,4-Dinitrotoluene	2870	140 U	2130	74	50-115	
2,6-Dinitrotoluene	2870	71 U	2050	71	50-110	
2-Chloronaphthalene	2870	36 U	1860	65	45-105	
2-Chlorophenol	2870	36 U	1940	68	45-105	
2-Methylnaphthalene	2870	36 U	1950	68	45-105	
2-Methylphenol	2870	36 U	2010	70	40-105	
2-Nitroaniline	2870	71 U	2120	74	45-120	
2-Nitrophenol	2870	71 U	1910	66	40-110	
3 & 4 Methylphenol	2870	71 U	2080	73	40-105	
3,3'-Dichlorobenzidine	2870	360 U	1680 J	58	10-130	
3-Nitroaniline	2870	140 U	1870	65	25-110	
4,6-Dinitro-2-methylphenol	5740	710 U	3380	59	30-135	
4-Bromophenyl phenyl ether	2870	36 U	2060	72	45-115	
4-Chloro-3-methylphenol	2870	140 U	2160	75	45-115	
4-Chloroaniline	2870	140 U	1520	53	10-95	
4-Chlorophenyl phenyl ether	2870	71 U	1990	69	45-110	
4-Nitroaniline	2870	140 U	2000	70	35-115	
4-Nitrophenol	5740	360 U	4420	77	15-140	
Acenaphthene	2870	18 U	1920	67	45-110	
Acenaphthylene	2870	36 U	1880	66	45-105	
Anthracene	2870	36 U	2040	71	55-105	
Benzo[a]anthracene	2870	23 J	2080	72	50-110	
Benzo[a]pyrene	2870	22 J	2070	72	50-110	
Benzo[b]fluoranthene	2870	28 J	2140	74	45-115	
Benzo[g,h,i]perylene	2870	36 U	2010	70	40-125	
Benzo[k]fluoranthene	2870	71 U	2120	74	45-125	
Benzoic acid	2870	710 U	1990	69	10-110	
Benzyl alcohol	2870	36 U	2030	71	20-125	
Bis(2-chloroethoxy)methane	2870	71 U	1890	66	45-110	
Bis(2-chloroethyl)ether	2870	36 U	1990	69	40-105	
Bis(2-ethylhexyl) phthalate	2870	71 U	2250	78	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2880.D

Lab ID: 280-48486-1 MS Client ID: AOI474BF MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Butyl benzyl phthalate	2870	71 U	2220	77	50-125	
Carbazole	2870	72 U	2100	73	45-115	
Chrysene	2870	36 U	2080	73	55-110	
Dibenz(a,h)anthracene	2870	36 U	2060	72	40-125	
Dibenzofuran	2870	36 U	1950	68	50-105	
Diethyl phthalate	2870	36 U	2080	72	50-115	
Dimethyl phthalate	2870	100 J	2330	78	50-110	
Di-n-butyl phthalate	2870	36 U	2160	75	55-110	
Di-n-octyl phthalate	2870	71 U	2210	77	40-130	
Fluoranthene	2870	40 J	2150	73	55-115	
Fluorene	2870	36 U	1990	69	50-110	
Hexachlorobenzene	2870	71 U	1980	69	45-120	
Hexachlorobutadiene	2870	71 U	1820	63	40-115	
Hexachlorocyclopentadiene	2870	71 U	1300 J	45	35-123	
Hexachloroethane	2870	36 U	1830	64	35-110	
Indeno[1,2,3-cd]pyrene	2870	36 U	2000	69	40-120	M
Isophorone	2870	36 U	1810	63	45-110	
Naphthalene	2870	71 U	1890	66	40-105	
Nitrobenzene	2870	36 U	1920	67	40-115	
N-Nitrosodimethylamine	2870	71 U	1820	63	20-115	
N-Nitrosodi-n-propylamine	2870	71 U	2020	70	40-115	
N-Nitrosodiphenylamine	2870	36 U	2090	73	50-115	
Pentachlorophenol	5740	720 U	3880	68	25-120	
Phenanthrene	2870	20 J	2100	72	50-110	
Phenol	2870	36 U	2090	73	40-100	
Pyrene	2870	37 J	2160	74	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2881.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2940	1880	64	4	30	45-110	
1,2-Dichlorobenzene	2940	1880	64	1	30	45-95	
1,2-Diphenylhydrazine	2970	2210	74	4	30	54-120	
1,3-Dichlorobenzene	2940	1840	63	2	30	40-100	
1,4-Dichlorobenzene	2940	1830	62	2	30	35-105	
2,2'-oxybis[1-chloropropane]	2940	2080	71	2	30	20-115	
2,4,5-Trichlorophenol	2940	2160	74	4	30	50-110	
2,4,6-Trichlorophenol	2940	2140	73	3	30	45-110	
2,4-Dichlorophenol	2940	2060	70	4	30	45-110	
2,4-Dimethylphenol	2940	1980	68	3	30	30-105	
2,4-Dinitrophenol	5880	3230	55	15	30	15-130	
2,4-Dinitrotoluene	2940	2230	76	5	30	50-115	
2,6-Dinitrotoluene	2940	2120	72	4	30	50-110	
2-Chloronaphthalene	2940	1940	66	4	30	45-105	
2-Chlorophenol	2940	2030	69	4	30	45-105	
2-Methylnaphthalene	2940	1980	67	2	30	45-105	
2-Methylphenol	2940	2080	71	3	30	40-105	
2-Nitroaniline	2940	2260	77	6	30	45-120	
2-Nitrophenol	2940	2030	69	6	30	40-110	
3 & 4 Methylphenol	2940	2080	71	0	30	40-105	
3,3'-Dichlorobenzidine	2940	1810	62	8	30	10-130	
3-Nitroaniline	2940	1970	67	5	30	25-110	
4,6-Dinitro-2-methylphenol	5880	3780	64	11	30	30-135	
4-Bromophenyl phenyl ether	2940	2110	72	3	30	45-115	
4-Chloro-3-methylphenol	2940	2210	75	2	30	45-115	
4-Chloroaniline	2940	1510	51	1	30	10-95	
4-Chlorophenyl phenyl ether	2940	2090	71	5	30	45-110	
4-Nitroaniline	2940	2130	72	6	30	35-115	
4-Nitrophenol	5880	4700	80	6	30	15-140	
Acenaphthene	2940	2000	68	4	30	45-110	
Acenaphthylene	2940	1970	67	4	30	45-105	
Anthracene	2940	2120	72	4	30	55-105	
Benzo[a]anthracene	2940	2200	74	6	30	50-110	
Benzo[a]pyrene	2940	2160	74	4	30	50-110	
Benzo[b]fluoranthene	2940	2190	75	2	30	45-115	
Benzo[g,h,i]perylene	2940	2130	72	6	30	40-125	
Benzo[k]fluoranthene	2940	2250	77	6	30	45-125	
Benzoic acid	2940	2040	69	2	30	10-110	
Benzyl alcohol	2940	2040	70	1	30	20-125	
Bis(2-chloroethoxy)methane	2940	1940	66	3	30	45-110	
Bis(2-chloroethyl)ether	2940	2060	70	4	30	40-105	
Bis(2-ethylhexyl) phthalate	2940	2340	80	4	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: B2-2881.D

Lab ID: 280-48486-1 MSD Client ID: AOI474BF MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Butyl benzyl phthalate	2940	2310	79	4	30	50-125	
Carbazole	2940	2200	75	4	30	45-115	
Chrysene	2940	2200	75	5	30	55-110	
Dibenz(a,h)anthracene	2940	2170	74	5	30	40-125	
Dibenzofuran	2940	2040	69	4	30	50-105	
Diethyl phthalate	2940	2150	73	3	30	50-115	
Dimethyl phthalate	2940	2380	78	2	30	50-110	
Di-n-butyl phthalate	2940	2240	76	4	30	55-110	
Di-n-octyl phthalate	2940	2320	79	5	30	40-130	
Fluoranthene	2940	2280	76	6	30	55-115	
Fluorene	2940	2060	70	4	30	50-110	
Hexachlorobenzene	2940	2080	71	5	30	45-120	
Hexachlorobutadiene	2940	1870	64	3	30	40-115	
Hexachlorocyclopentadiene	2940	1270 J	43	2	30	35-123	
Hexachloroethane	2940	1840	63	1	30	35-110	
Indeno[1,2,3-cd]pyrene	2940	2120	72	6	30	40-120	M
Isophorone	2940	1860	63	2	30	45-110	
Naphthalene	2940	1920	66	2	30	40-105	
Nitrobenzene	2940	1980	67	3	30	40-115	
N-Nitrosodimethylamine	2940	1870	64	3	30	20-115	
N-Nitrosodi-n-propylamine	2940	2060	70	2	30	40-115	
N-Nitrosodiphenylamine	2940	2190	74	5	30	50-115	
Pentachlorophenol	5880	3980	68	3	30	25-120	
Phenanthrene	2940	2190	74	4	30	50-110	
Phenol	2940	2160	74	4	30	40-100	
Pyrene	2940	2290	77	6	30	45-125	

Column to be used to flag recovery and RPD values

FORM III 8270D/DoD

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2868.D Lab Sample ID: MB 280-198371/1-A

Matrix: Solid Date Extracted: 10/29/2013 21:40

Instrument ID: SMS_B2 Date Analyzed: 10/31/2013 13:15

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 280-198371/2-A	B2-2870.D	10/31/2013 14:10
AOI474BF	280-48486-1	B2-2879.D	10/31/2013 18:36
AOI474BF MS	280-48486-1 MS	B2-2880.D	10/31/2013 19:06
AOI474BF MSD	280-48486-1 MSD	B2-2881.D	10/31/2013 19:35

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2654.D DFTPP Injection Date: 10/22/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 07:38

Analysis Batch No.: 197081

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	55.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	45.7	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	54.1	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.9	
275	10.0 - 30.0 % of mass 198	26.6	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	14.9	(84.4)3
442	Greater than 40.0 % of mass 198	92.8	
443	17.0 - 23.0 % of mass 442	17.7	(19.1)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 280-197081/25	B2-2655.D	10/22/2013	07:51
	STD004 280-197081/26	B2-2656.D	10/22/2013	08:21
	STD010 280-197081/27	B2-2657.D	10/22/2013	08:51
	STD020 280-197081/28	B2-2658.D	10/22/2013	09:22
	STD050 280-197081/29	B2-2659.D	10/22/2013	09:52
	STD120 280-197081/30	B2-2660.D	10/22/2013	10:22
	STD160 280-197081/31	B2-2661.D	10/22/2013	10:53
	STD200 280-197081/32	B2-2662.D	10/22/2013	11:23
	ICV 280-197081/33	B2-2663.D	10/22/2013	11:54
	ICV 280-197081/34	B2-2664.D	10/22/2013	12:24
	ICV 280-197081/35	B2-2665.D	10/22/2013	12:55

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2666.D DFTPP Injection Date: 10/22/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 13:21

Analysis Batch No.: 197087

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	51.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.9	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	52.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	15.5	(87.6)3
442	Greater than 40.0 % of mass 198	93.6	
443	17.0 - 23.0 % of mass 442	17.6	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD080 280-197087/15	B2-2667.D	10/22/2013	13:34
	STD010 280-197087/16	B2-2668.D	10/22/2013	14:03
	STD020 280-197087/17	B2-2669.D	10/22/2013	14:32
	STD050 280-197087/18	B2-2670.D	10/22/2013	15:01
	STD120 280-197087/19	B2-2671.D	10/22/2013	15:30
	STD160 280-197087/20	B2-2672.D	10/22/2013	15:58
	STD200 280-197087/21	B2-2673.D	10/22/2013	16:27
	ICV 280-197087/22	B2-2674.D	10/22/2013	16:55
	ICV 280-197087/23	B2-2675.D	10/22/2013	17:24
	ICV 280-197087/24	B2-2676.D	10/22/2013	17:52

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2666.D DFTPP Injection Date: 10/22/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 13:21

Analysis Batch No.: 197309

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	51.1	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.9	
70	Less than 2.0 % of mass 69	0.1	(0.3)1
127	40.0 - 60.0 % of mass 198	52.9	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	6.6	
275	10.0 - 30.0 % of mass 198	26.8	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	15.5	(87.6)3
442	Greater than 40.0 % of mass 198	93.6	
443	17.0 - 23.0 % of mass 442	17.6	(18.9)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD080 280-197309/25	B2-2677.D	10/22/2013	18:21
	STD010 280-197309/26	B2-2678.D	10/22/2013	18:47
	STD020 280-197309/27	B2-2679.D	10/22/2013	19:13
	STD050 280-197309/28	B2-2680.D	10/22/2013	19:39
	STD120 280-197309/29	B2-2681.D	10/22/2013	20:05
	STD160 280-197309/30	B2-2682.D	10/22/2013	20:31
	STD200 280-197309/31	B2-2683.D	10/22/2013	20:57
	ICV 280-197309/32	B2-2684.D	10/22/2013	21:23

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab File ID: B2-2863.D DFTPP Injection Date: 10/31/2013

Instrument ID: SMS_B2 DFTPP Injection Time: 11:13

Analysis Batch No.: 198682

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30.0 - 60.0 % of mass 198	55.4	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	46.9	
70	Less than 2.0 % of mass 69	0.3	(0.6)1
127	40.0 - 60.0 % of mass 198	55.5	
197	Less than 1.0 % of mass 198	0.0	
198	Base Peak, 100 % relative abundance	100.0	
199	5.0- 9.0 % of mass 198	7.0	
275	10.0 - 30.0 % of mass 198	26.6	
365	Greater than 1.0 % of mass 198	3.4	
441	Present but less than mass 443	12.5	(81.2)3
442	Greater than 40.0 % of mass 198	84.0	
443	17.0 - 23.0 % of mass 442	15.4	(18.4)2

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

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

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCV 280-198682/3	B2-2864.D	10/31/2013	11:26
	CCV 280-198682/28	B2-2865.D	10/31/2013	11:56
	CCV 280-198682/29	B2-2866.D	10/31/2013	12:24
	MB 280-198371/1-A	B2-2868.D	10/31/2013	13:15
	LCS 280-198371/2-A	B2-2870.D	10/31/2013	14:10
AOI474BF	280-48486-1	B2-2879.D	10/31/2013	18:36
AOI474BF MS	280-48486-1 MS	B2-2880.D	10/31/2013	19:06
AOI474BF MSD	280-48486-1 MSD	B2-2881.D	10/31/2013	19:35

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-197081/25 Date Analyzed: 10/22/2013 07:51

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

Lab File ID (Standard): B2-2655.D Heated Purge: (Y/N) N

Calibration ID: 16008

		DCB		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		222957	4.63	889624	5.88	518932	7.65
UPPER LIMIT		445914	5.13	1779248	6.38	1037864	8.15
LOWER LIMIT		111479	4.13	444812	5.38	259466	7.15
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-197081/33		242730	4.63	992784	5.88	584910	7.65
ICV 280-197081/34		301070	4.63	1220361	5.88	744363	7.64
ICV 280-197081/35		191070	4.63	759134	5.88	444603	7.64
CCV 280-198682/3		205853	4.61	847486	5.86	504539	7.63
CCV 280-198682/28		231446	4.61	928969	5.86	540652	7.62
CCV 280-198682/29		183786	4.61	742108	5.86	434888	7.62
MB 280-198371/1-A		195942	4.61	780979	5.86	468547	7.62
LCS 280-198371/2-A		191952	4.61	794252	5.86	488518	7.63
280-48486-1	AOI474BF	208130	4.61	841349	5.86	508491	7.62
280-48486-1 MS	AOI474BF MS	216577	4.61	904033	5.86	556966	7.62
280-48486-1 MSD	AOI474BF MSD	214318	4.61	886367	5.86	540217	7.62

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

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

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: ICIS 280-197081/25 Date Analyzed: 10/22/2013 07:51

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

Lab File ID (Standard): B2-2655.D Heated Purge: (Y/N) N

Calibration ID: 16008

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		889421	9.16	1004977	13.43	951072	17.55
UPPER LIMIT		1778842	9.66	2009954	13.93	1902144	18.05
LOWER LIMIT		444711	8.66	502489	12.93	475536	17.05
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 280-197081/33		992994	9.15	1089569	13.43	1042327	17.54
ICV 280-197081/34		1280564	9.15	1425687	13.43	1345258	17.54
ICV 280-197081/35		764450	9.15	845139	13.42	818645	17.54
CCV 280-198682/3		850717	9.13	956985	13.40	867542	17.50
CCV 280-198682/28		951690	9.13	1032231	13.39	926419	17.50
CCV 280-198682/29		774417	9.13	820758	13.39	765077	17.49
MB 280-198371/1-A		833715	9.13	896454	13.39	876243	17.50
LCS 280-198371/2-A		861027	9.13	946486	13.39	837139	17.49
280-48486-1	AOI474BF	878365	9.13	971222	13.39	940348	17.49
280-48486-1 MS	AOI474BF MS	952428	9.13	1040403	13.39	977350	17.49
280-48486-1 MSD	AOI474BF MSD	928781	9.13	1018961	13.39	964482	17.49

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

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

Column used to flag values outside QC limits

FORM VIII 8270D/DOD

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: B2-2879.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 18:36

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	180	U	360	180	54
95-94-3	1,2,4,5-Tetrachlorobenzene	72	U	360	72	53
120-82-1	1,2,4-Trichlorobenzene	36	U	360	36	30
95-50-1	1,2-Dichlorobenzene	36	U	360	36	24
122-66-7	1,2-Diphenylhydrazine	36	U	360	36	24
541-73-1	1,3-Dichlorobenzene	36	U	360	36	13
106-46-7	1,4-Dichlorobenzene	36	U	360	36	15
108-60-1	2,2'-oxybis[1-chloropropane]	36	U	360	36	25
58-90-2	2,3,4,6-Tetrachlorophenol	180	U	1700	180	150
95-95-4	2,4,5-Trichlorophenol	140	U	360	140	11
88-06-2	2,4,6-Trichlorophenol	71	U	360	71	11
120-83-2	2,4-Dichlorophenol	71	U	360	71	11
105-67-9	2,4-Dimethylphenol	140	U	360	140	71
51-28-5	2,4-Dinitrophenol	720	U	1700	720	360
121-14-2	2,4-Dinitrotoluene	140	U	360	140	71
87-65-0	2,6-Dichlorophenol	140	U	360	140	74
606-20-2	2,6-Dinitrotoluene	71	U	360	71	30
91-58-7	2-Chloronaphthalene	36	U	360	36	11
95-57-8	2-Chlorophenol	36	U	360	36	23
91-57-6	2-Methylnaphthalene	36	U	360	36	20
95-48-7	2-Methylphenol	36	U	360	36	14
88-74-4	2-Nitroaniline	71	U	1700	71	54
88-75-5	2-Nitrophenol	71	U	360	71	11
15831-10-4	3 & 4 Methylphenol	71	U	360	71	36
91-94-1	3,3'-Dichlorobenzidine	360	U	1700	360	97
99-09-2	3-Nitroaniline	140	U	1700	140	79
534-52-1	4,6-Dinitro-2-methylphenol	710	U	1700	710	360
101-55-3	4-Bromophenyl phenyl ether	36	U	360	36	20
59-50-7	4-Chloro-3-methylphenol	140	U	360	140	71
106-47-8	4-Chloroaniline	140	U	360	140	88
7005-72-3	4-Chlorophenyl phenyl ether	71	U	360	71	23
100-01-6	4-Nitroaniline	140	U	1700	140	78
100-02-7	4-Nitrophenol	360	U	1700	360	100
83-32-9	Acenaphthene	18	U	360	18	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: B2-2879.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 18:36

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	36	U	360	36	18
98-86-2	Acetophenone	36	U	360	36	22
120-12-7	Anthracene	36	U	360	36	18
1912-24-9	Atrazine	140	U	360	140	40
100-52-7	Benzaldehyde	72	U	360	72	42
92-87-5	Benzidine	4300	U	4300	4300	1100
56-55-3	Benzo[a]anthracene	23	J	360	36	22
50-32-8	Benzo[a]pyrene	22	J	360	36	22
205-99-2	Benzo[b]fluoranthene	28	J K	360	36	28
191-24-2	Benzo[g,h,i]perylene	36	U	360	36	17
207-08-9	Benzo[k]fluoranthene	71	U K	360	71	43
65-85-0	Benzoic acid	710	U	1700	710	360
100-51-6	Benzyl alcohol	36	U	360	36	11
111-91-1	Bis(2-chloroethoxy)methane	71	U	360	71	25
111-44-4	Bis(2-chloroethyl)ether	36	U	360	36	18
117-81-7	Bis(2-ethylhexyl) phthalate	71	U	360	71	50
85-68-7	Butyl benzyl phthalate	71	U	360	71	46
105-60-2	Caprolactam	360	U	1700	360	110
86-74-8	Carbazole	72	U	360	72	39
218-01-9	Chrysene	36	U	360	36	29
53-70-3	Dibenz(a,h)anthracene	36	U	360	36	20
132-64-9	Dibenzofuran	36	U	360	36	22
84-66-2	Diethyl phthalate	36	U	710	36	28
131-11-3	Dimethyl phthalate	100	J	360	36	25
84-74-2	Di-n-butyl phthalate	36	U	360	36	31
117-84-0	Di-n-octyl phthalate	71	U	360	71	16
206-44-0	Fluoranthene	40	J	360	71	39
86-73-7	Fluorene	36	U	360	36	19
118-74-1	Hexachlorobenzene	71	U	360	71	31
87-68-3	Hexachlorobutadiene	71	U	360	71	11
77-47-4	Hexachlorocyclopentadiene	71	U	1800	71	54
67-72-1	Hexachloroethane	36	U	360	36	23
193-39-5	Indeno[1,2,3-cd]pyrene	36	U	360	36	24
78-59-1	Isophorone	36	U	360	36	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: B2-2879.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 18:36

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	71	U	360	71	33
98-95-3	Nitrobenzene	36	U	360	36	24
62-75-9	N-Nitrosodimethylamine	71	U	560	71	40
621-64-7	N-Nitrosodi-n-propylamine	71	U	360	71	33
86-30-6	N-Nitrosodiphenylamine	36	U	360	36	23
930-55-2	N-Nitrosopyrrolidine	140	U	360	140	69
87-86-5	Pentachlorophenol	720	U	1700	720	360
85-01-8	Phenanthrene	20	J	360	36	18
108-95-2	Phenol	36	U	360	36	19
129-00-0	Pyrene	37	J	430	36	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		35-125
321-60-8	2-Fluorobiphenyl	63		45-105
367-12-4	2-Fluorophenol (Surr)	69		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	66		35-100
4165-62-2	Phenol-d5 (Surr)	71		40-100
1718-51-0	Terphenyl-d14 (Surr)	74		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D
Lims ID: 280-48486-B-1-A
Client ID: AOI474BF
Inject. Date: 31-Oct-2013 18:36:30
Dil. Factor: 1.0000
Sample Type: Client
Sample ID: 280-48486-B-1-A
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 16
Lims Batch ID: 198682
Lims Sample ID: 41
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07
Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld
Date: 01-Nov-2013 09:44:49

	Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
*	1 1,4-Dichlorobenzene-d4	152	4.607	4.609	-0.002	91	208130	40.0	
*	2 Naphthalene-d8	136	5.859	5.860	-0.001	99	841349	40.0	
*	3 Acenaphthene-d10	164	7.621	7.623	-0.002	99	508491	40.0	
*	4 Phenanthrene-d10	188	9.131	9.133	-0.002	99	878365	40.0	
*	5 Chrysene-d12	240	13.385	13.387	-0.002	77	971222	40.0	
*	6 Perylene-d12	264	17.486	17.506	-0.020	95	940348	40.0	
$	7 2-Fluorophenol	112	3.403	3.404	-0.001	96	504993	69.1	
$	8 Phenol-d5	99	4.266	4.261	0.005	99	671954	71.0	
$	9 Nitrobenzene-d5	82	5.148	5.149	-0.001	95	540572	66.0	
$	10 2,4,6-Trichlorophenol-d2	198		6.858					
$	11 2-Fluorobiphenyl	172	6.922	6.923	-0.001	82	1052305	62.8	
$	12 2,4,6-Tribromophenol	330	8.426	8.433	-0.007	94	161682	67.6	
$	13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1428149	74.0	
	14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
	15 2-Butoxyethanol	1		0.000					
	16 2-Phenoxyethanol	1		0.000					
	17 Triethyl amine	86		1.693					
	18 2-Ethoxyethanol	59		1.899					
	19 1,4-Dioxane	88		1.899					
	20 N-Nitrosodimethylamine	74		2.176					
	21 Pyridine	79		2.217					
	22 Dimethylformamide	73		2.533					
	23 2-Picoline	93		2.862					
	24 N-Nitrosomethylethylamine	88		2.962					
	25 Acrylamide	71		3.214					
	26 Methyl methanesulfonate	80		3.238					
	27 N-Nitrosodiethylamine	102		3.596					
	28 Pentachlorophenol_T	266		3.757					
	29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94		4.279					
33 Phenylmercaptan	110		4.261					
34 Aniline	93		4.302					
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93		4.338					
37 Pentachloroethane	117		4.348					
38 n-Decane	43		4.396					
39 2-Chlorophenol	128		4.420					
40 1,3-Dichlorobenzene	146		4.555					
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146		4.626					
43 Benzyl alcohol	108		4.737					9
44 1,2-Dichlorobenzene	146		4.778					
45 2-Methylphenol	108		4.843					9
46 2,2'-oxybis[1-chloropropane]	45		4.843					9
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108		4.990					
50 3-Methylphenol	108		4.990					
51 4-Methylphenol	108		4.990					
52 N-Nitrosodi-n-propylamine	70		4.972					
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105		4.990					
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117		5.102					
59 Nitrobenzene	77		5.172					9
60 Triethyl phosphate	99		5.254					
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82		5.384					9
64 2-Nitrophenol	139		5.478					
65 2,4-Dimethylphenol	107		5.507					
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105		5.619					
69 Bis(2-chloroethoxy)methane	93		5.583					
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					
74 2,4-Dichlorophenol	162		5.724					
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180		5.795					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					
79 Naphthalene	128		5.883					
80 4-Chloroaniline	127		5.936					
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225		5.977					
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					
86 Caprolactam	55		6.277					9
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107		6.418					
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142		6.565					
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142		6.670					
97 Hexachlorocyclopentadiene	237		6.711					
98 1,2,4,5-Tetrachlorobenzene	216		6.735					
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196		6.852					
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196		6.911					
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154		7.029					
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					
106 2-Chloronaphthalene	162		7.064					
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65		7.176					9
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	99	45649	2.83	
112 1,3-Dinitrobenzene	168		7.381					
113 2,6-Dinitrotoluene	165		7.405					
114 Acenaphthylene	152		7.487					
115 3-Nitroaniline	138		7.593					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					
117 Acenaphthene	153		7.657					9
118 2,4-Dinitrophenol	184		7.693					
119 4-Nitrophenol	109		7.787					9
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165		7.810					
123 Dibenzofuran	168		7.834					9
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232		7.957					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57		7.986					
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149		8.022					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204		8.157					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.180					9
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138		8.216					
139 4,6-Dinitro-2-methylphenol	198		8.227					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169		8.280					
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77		8.321					9
144 Azobenzene	77		8.321					
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330		8.433					
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248		8.656					
157 Hexachlorobenzene	284		8.733					
158 Dimethoate	87		8.755					
159 Atrazine	200		8.797					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					
161 n-Octadecane	85		8.909					
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266		8.944					
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					
167 Dinoseb	211		9.090					
168 Phenanthrene	178	9.155	9.161	-0.006	93	13776	0.5526	
169 Anthracene	178		9.208					
170 Carbazole	167		9.379					
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149		9.673					9
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202	10.571	10.577	-0.006	97	29960	1.11	
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		10.777					
182 Pyrene	202	10.929	10.936	-0.007	96	28992	1.04	
183 Aramite Peak 1	185		11.052					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.052					
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149		13.380					
196 4,4'-Methylene bis(2-chloroanili	231		13.344					
197 3,3'-Dichlorobenzidine	252		13.345					
198 Benzo[a]anthracene	228	13.362	13.368	-0.006	74	16847	0.6384	
199 Chrysene	228	13.450	13.462	-0.012	87	13953	0.5561	
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149		15.243					9
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252	16.340	16.353	-0.013	87	20222	0.7772	
204 Benzo[k]fluoranthene	252		16.429					
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					
207 Benzo[a]pyrene	252	17.304	17.328	-0.024	89	15755	0.6054	
208 Perylene	252		17.610					
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278		20.771					
214 Indeno[1,2,3-cd]pyrene	276		20.689					9
215 Benzo[g,h,i]perylene	276		21.459					
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108		15.496					7
S 218 Methyl Phenols,Total	108		15.496					7
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

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

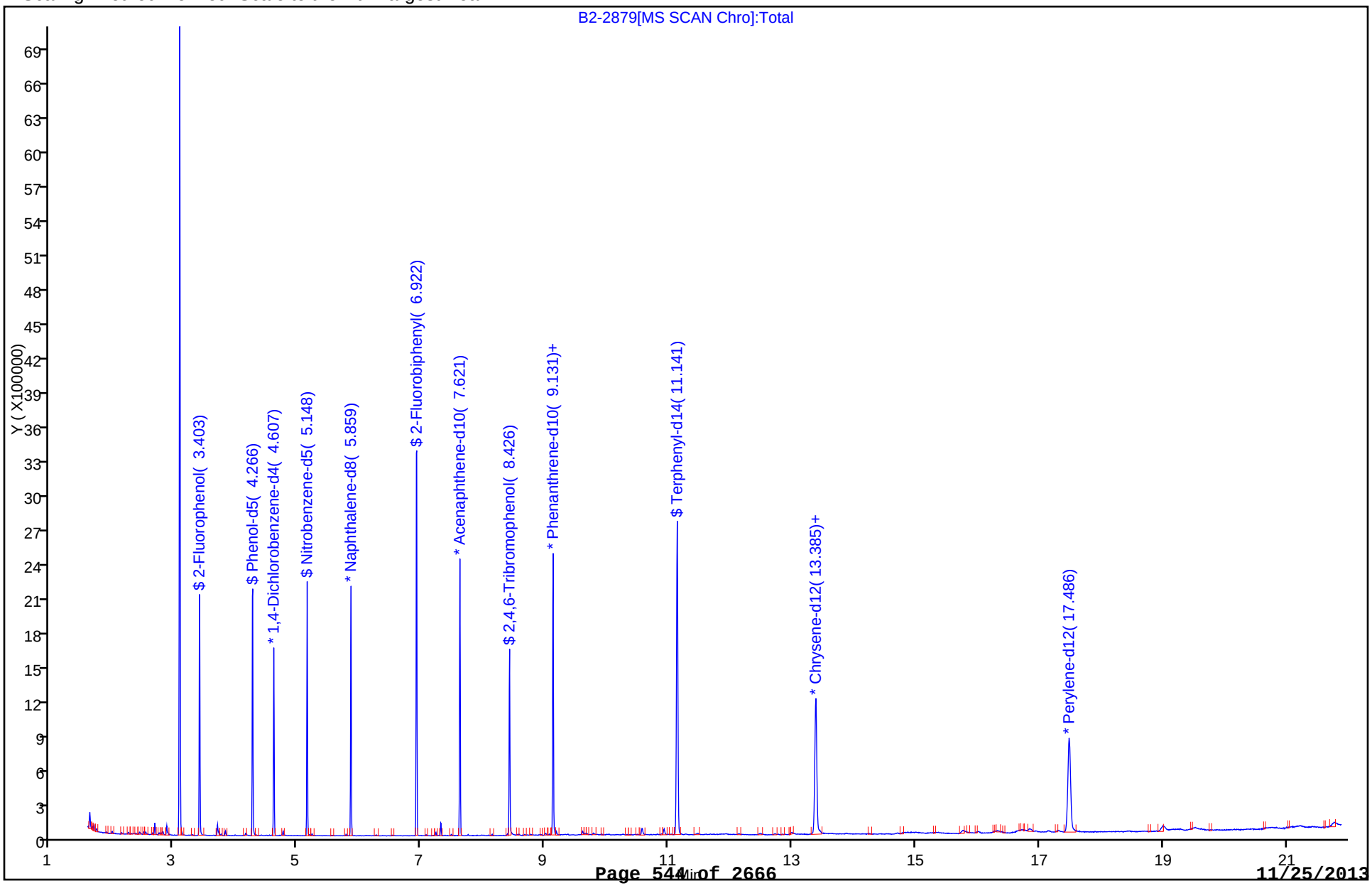
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TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



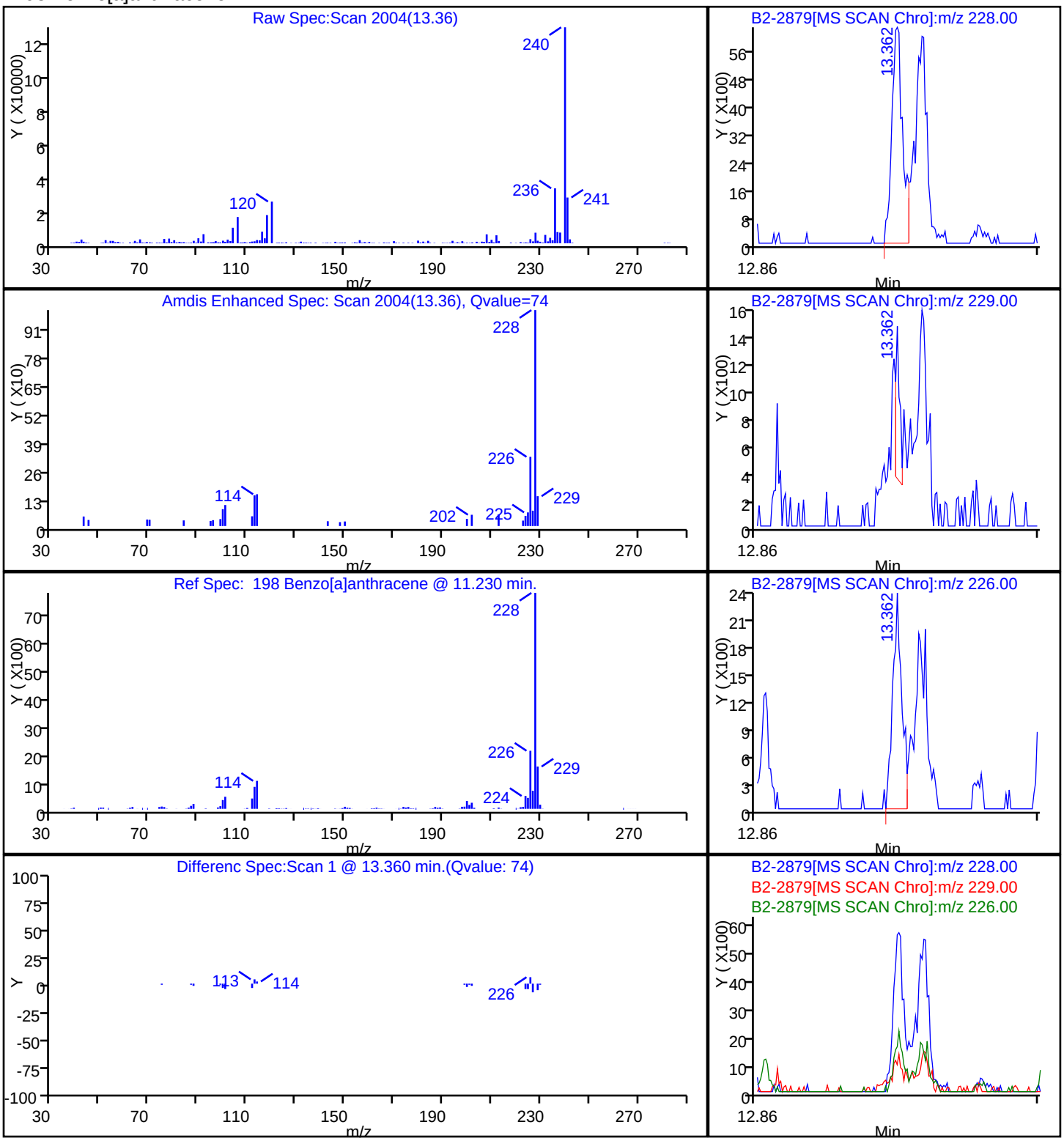
Report Date: 01-Nov-2013 09:55:16 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

198 Benzo[a]anthracene



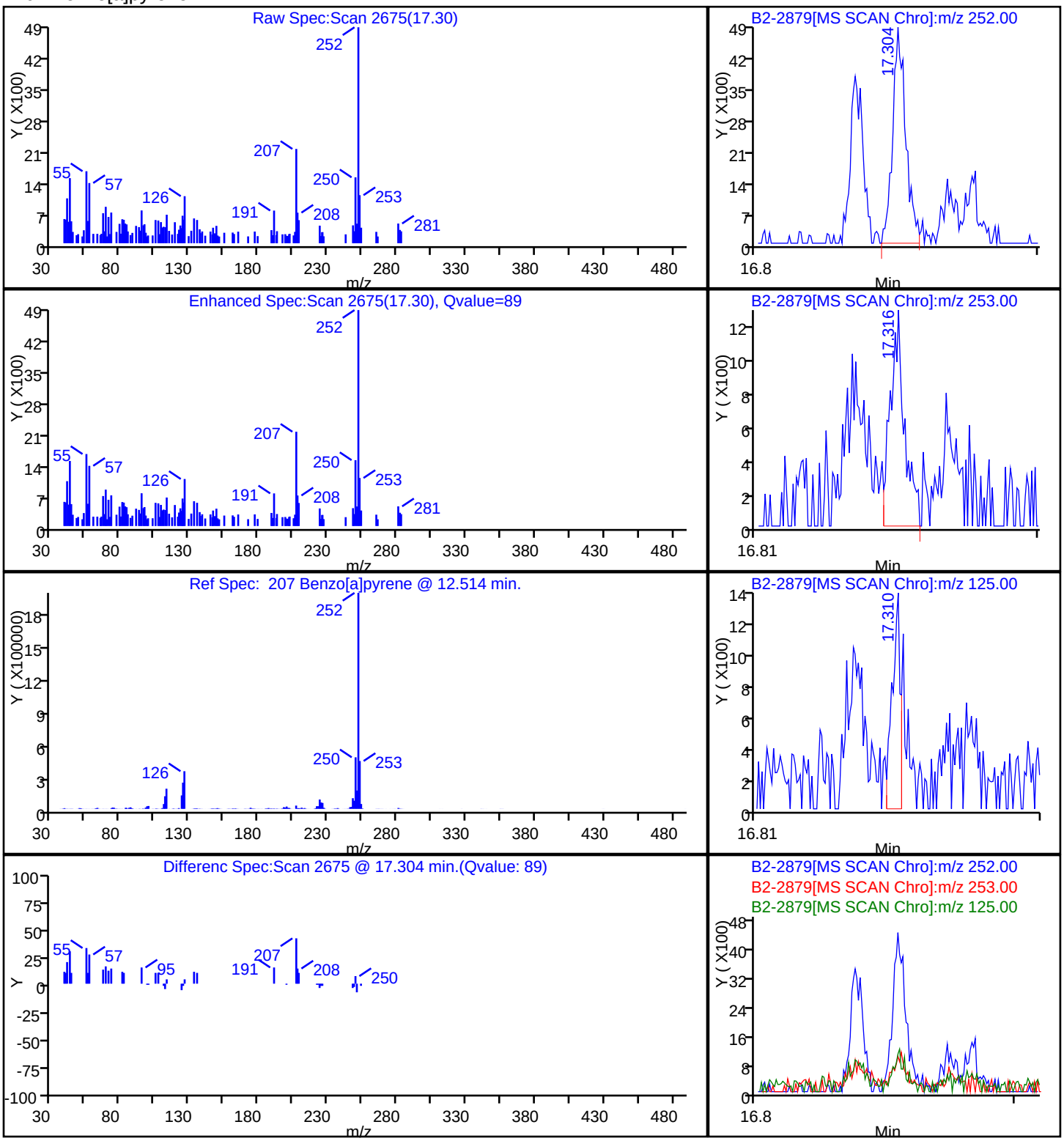
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TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

207 Benzo[a]pyrene



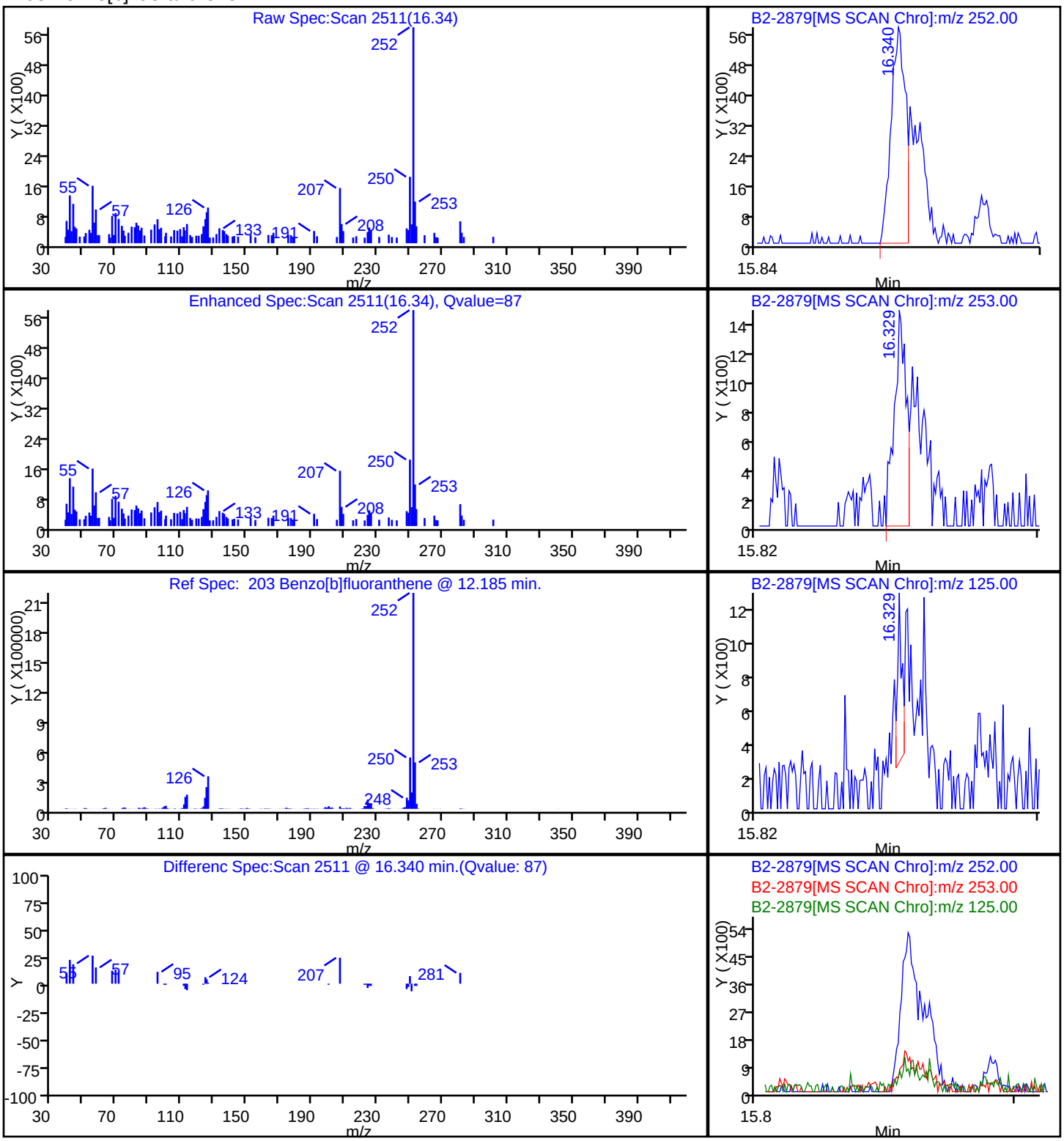
Report Date: 01-Nov-2013 09:55:16 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

203 Benzo[b]fluoranthene



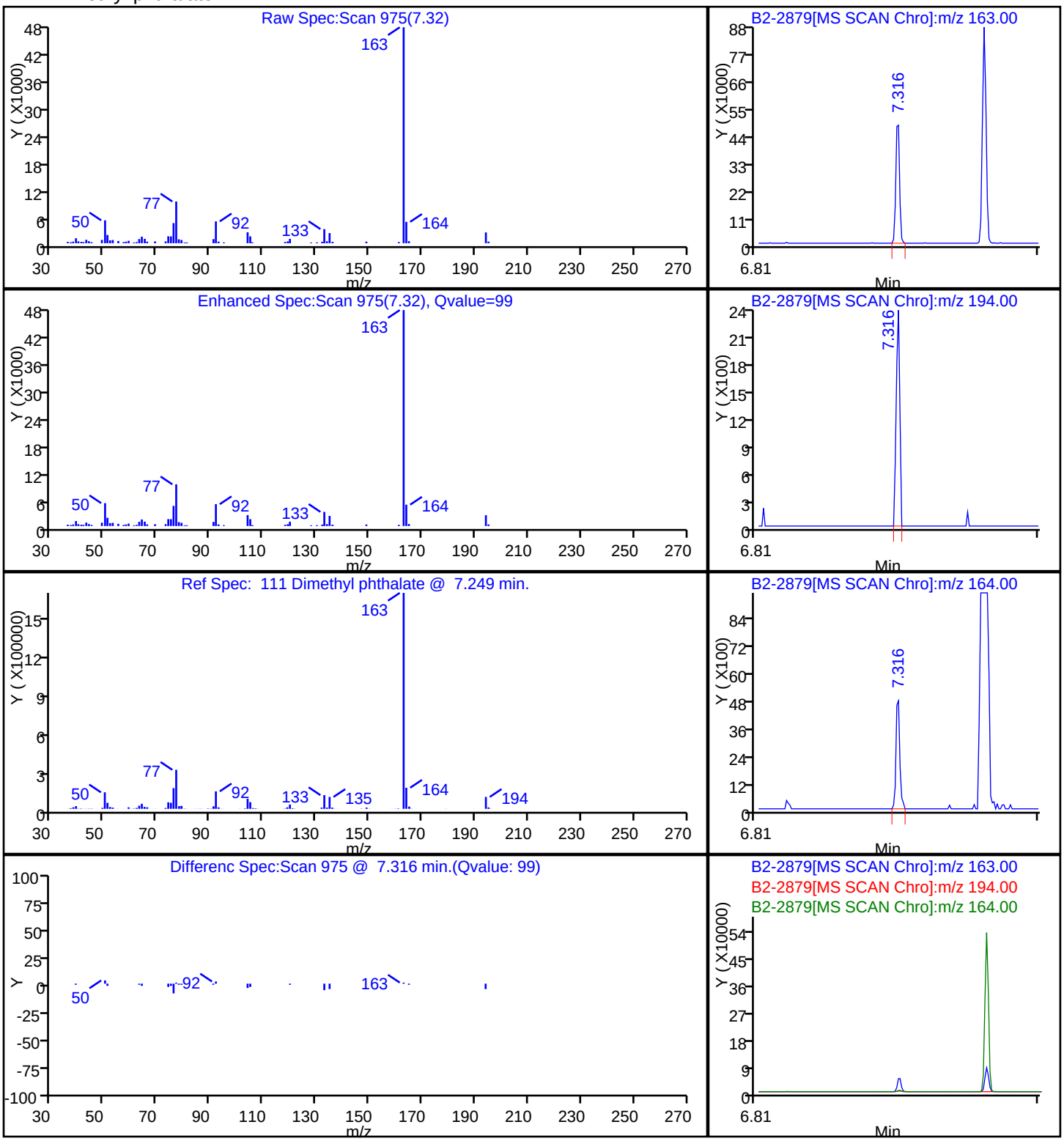
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TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

111 Dimethyl phthalate



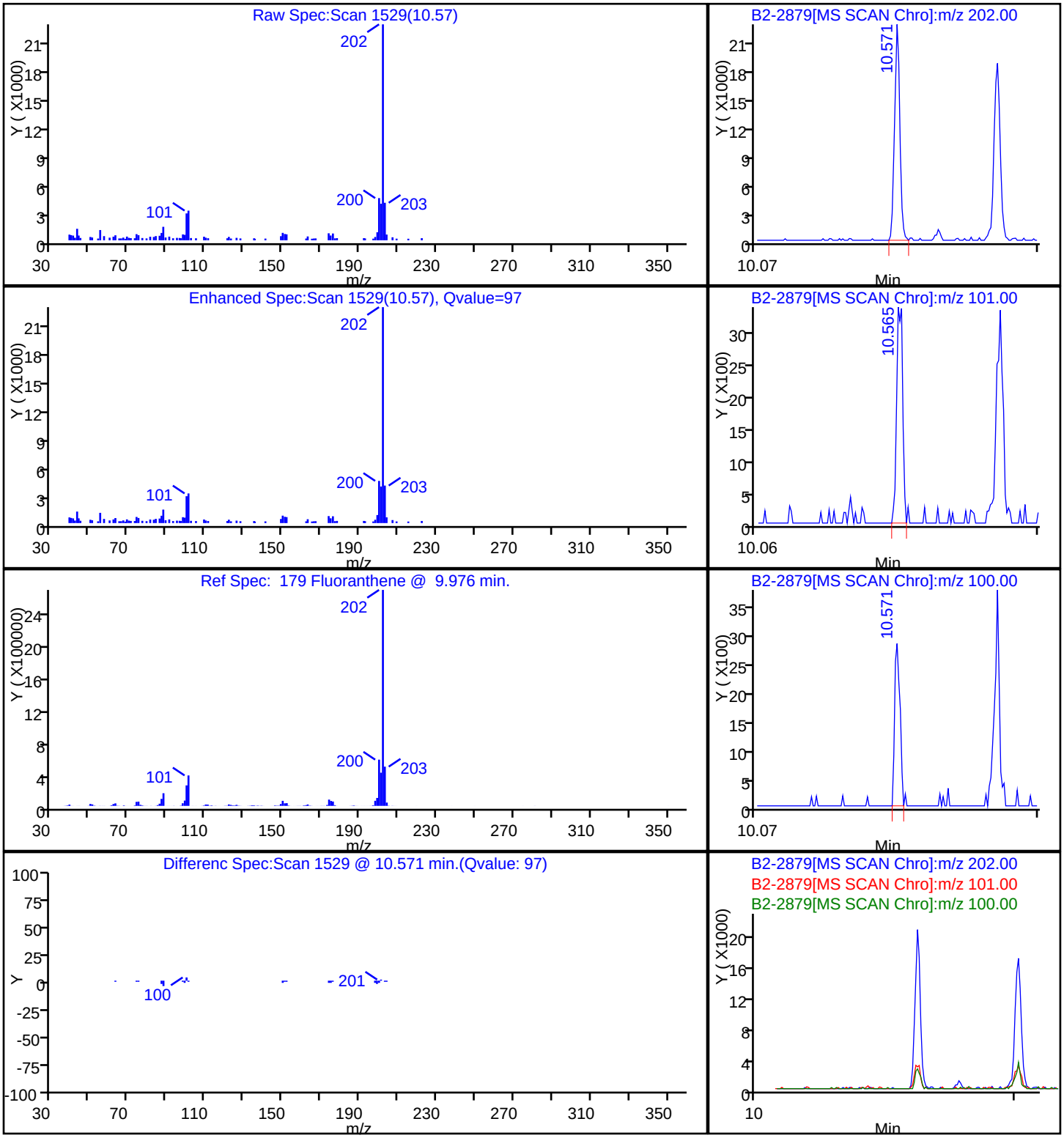
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TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

179 Fluoranthene



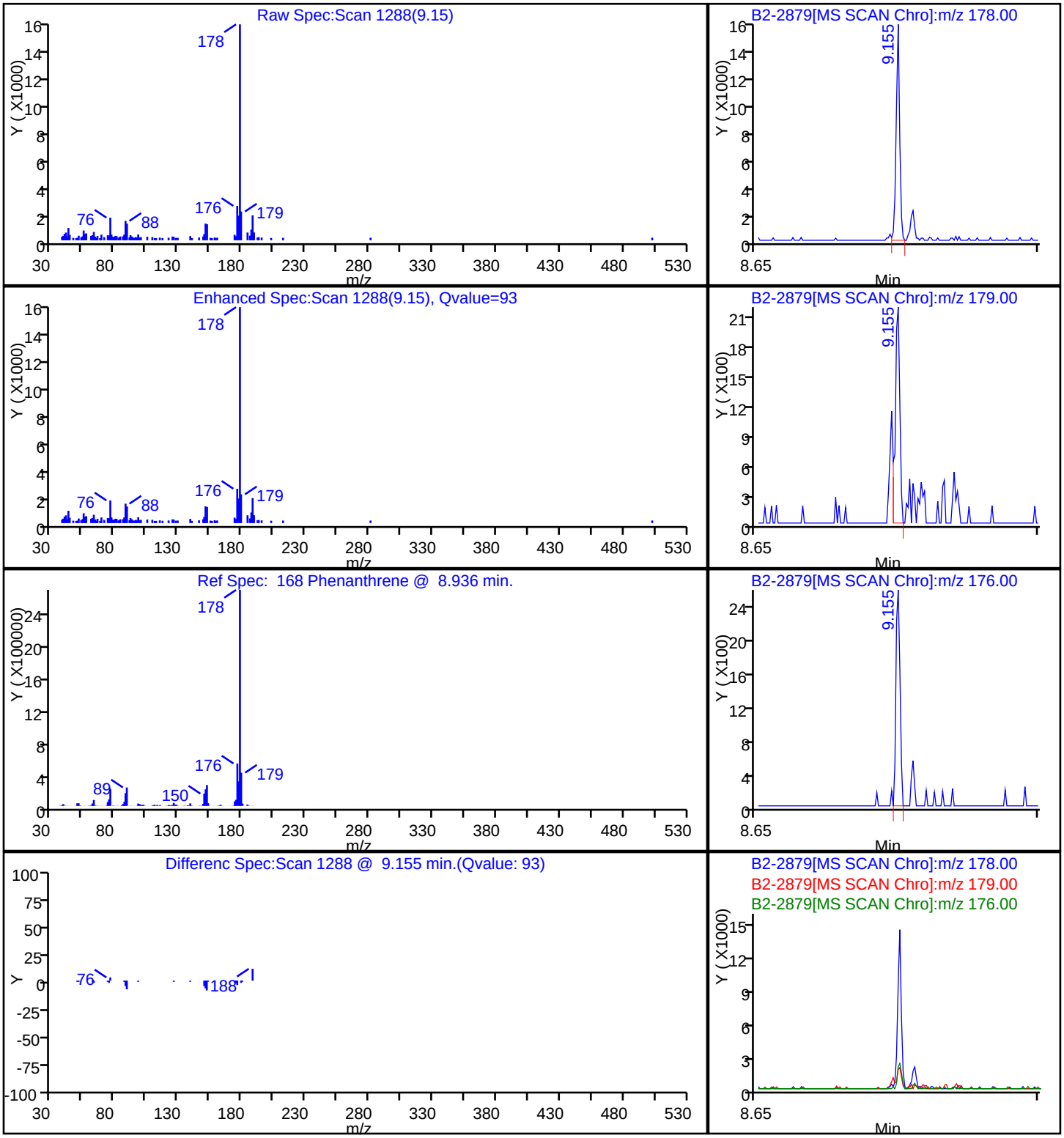
Report Date: 01-Nov-2013 09:55:16 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

168 Phenanthrene



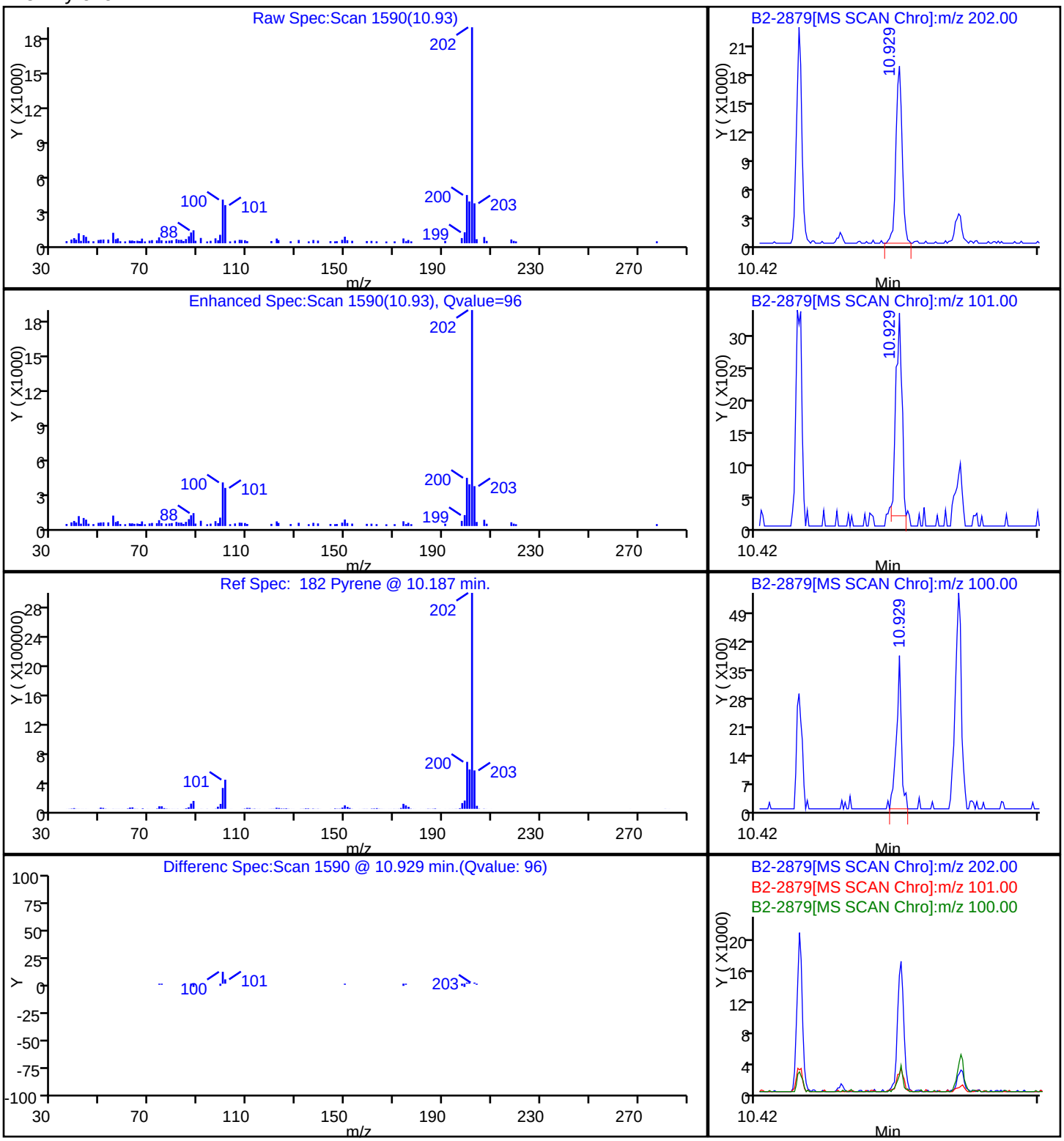
Report Date: 01-Nov-2013 09:55:16 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2879.D

Injection Date:	31-Oct-2013 18:36:30	Limit Group:	MSSV - 8270C_625
Client ID:	AOI474BF	Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	41
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

182 Pyrene



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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-197081/26	B2-2656.D
Level 2	STD010 280-197081/27	B2-2657.D
Level 3	STD020 280-197081/28	B2-2658.D
Level 4	STD050 280-197081/29	B2-2659.D
Level 5	ICIS 280-197081/25	B2-2655.D
Level 6	STD120 280-197081/30	B2-2660.D
Level 7	STD160 280-197081/31	B2-2661.D
Level 8	STD200 280-197081/32	B2-2662.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.6313 0.5708	0.6234 0.5762	0.6103 0.5680	0.5920	0.5916	Ave		0.5955				4.0		15.0			
N-Nitrosodimethylamine	0.9994 0.9123	0.9344 0.9101	0.9306 0.9104	0.9494	0.9315	Ave		0.9348				3.2		15.0			
Pyridine	1.7680 1.6075	1.5973 1.6336	1.6463 1.6039	1.6707	1.6482	Ave		1.6469				3.3		15.0			
Phenol	2.0709 1.8014	1.9085 1.8485	1.8726 1.7855	1.8873	1.8538	Ave		1.8786				4.7		15.0			
Aniline	2.5008 2.2520	2.3594 2.2971	2.3470 2.2070	2.3494	2.3002	Ave		2.3266				3.8		15.0			
Bis(2-chloroethyl)ether	1.5650 1.3446	1.4299 1.3785	1.4490 1.3307	1.4607	1.3802	Ave		1.4173				5.4		15.0			
2-Chlorophenol	1.5776 1.4574	1.5075 1.4814	1.5038 1.4343	1.4994	1.4656	Ave		1.4909				2.9		15.0			
1,3-Dichlorobenzene	1.7414 1.5247	1.6077 1.5514	1.6078 1.4978	1.5967	1.5626	Ave		1.5863				4.7		15.0			
1,4-Dichlorobenzene	1.8269 1.5652	1.6801 1.5909	1.6609 1.5339	1.6248	1.5826	Ave		1.6332				5.6		15.0			
Benzyl alcohol	0.9513 0.9474	0.9602 0.9737	0.9360 0.9305	0.9714	0.9353	Ave		0.9507				1.7		15.0			
1,2-Dichlorobenzene	1.6856 1.5048	1.5423 1.5223	1.5404 1.4671	1.5535	1.5010	Ave		1.5396				4.2		15.0			
2-Methylphenol	1.3981 1.3125	1.3587 1.3513	1.3754 1.2835	1.3640	1.3509	Ave		1.3493				2.7		15.0			
2,2'-oxybis[1-chloropropane]	2.2241 1.8758	2.0719 1.8575	2.0526 1.7761	2.0081	1.9831	Ave		1.9811				7.2		15.0			
N-Nitrosodi-n-propylamine	1.0979 1.0336	1.0523 1.0305	1.0574 0.9854	1.0691	1.0340	Ave		1.0450			0.0500	3.2		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
3 & 4 Methylphenol	1.5335 1.3831	1.4466 1.3879	1.4548 1.3401	1.4347	1.4060	Ave		1.4233				4.1		15.0			
4-Methylphenol	1.5335 1.3831	1.4466 1.3879	1.4548 1.3401	1.4347	1.4060	Ave		1.4233				4.1		15.0			
Acetophenone	2.0741 1.9216	2.0280 1.9434	2.0134 1.8506	2.0278	1.9382	Ave		1.9746				3.7		15.0			
Hexachloroethane	0.6282 0.5841	0.5682 0.5937	0.5856 0.5765	0.5943	0.5853	Ave		0.5895				3.0		15.0			
Nitrobenzene	0.4142 0.3722	0.3898 0.3802	0.3805 0.3733	0.3981	0.3838	Ave		0.3865				3.6		15.0			
Isophorone	0.7048 0.6604	0.6946 0.6703	0.6839 0.6508	0.6955	0.6767	Ave		0.6796				2.7		15.0			
2-Nitrophenol	0.1737 0.1966	0.1764 0.2048	0.1852 0.2009	0.1971	0.1946	Ave		0.1912				6.0		15.0			
2,4-Dimethylphenol	0.3750 0.3409	0.3604 0.3545	0.3579 0.3421	0.3644	0.3489	Ave		0.3555				3.2		15.0			
Bis(2-chloroethoxy)methane	0.4598 0.4034	0.4307 0.4106	0.4318 0.4004	0.4329	0.4189	Ave		0.4236				4.6		15.0			
Benzoic acid	+++++ 0.2456	0.1299 0.2585	0.1618 0.2568	0.2025	0.2266	Lin2	-2.682	0.2504							0.9930		0.9900
2,4-Dichlorophenol	0.3067 0.2936	0.2914 0.3009	0.3023 0.2937	0.3033	0.2987	Ave		0.2988				1.8		15.0			
1,2,4-Trichlorobenzene	0.3683 0.3119	0.3351 0.3229	0.3337 0.3148	0.3296	0.3186	Ave		0.3294				5.4		15.0			
Naphthalene	1.1487 0.9895	1.0603 1.0102	1.0581 0.9731	1.0618	1.0388	Ave		1.0426				5.2		15.0			
4-Chloroaniline	0.5084 0.4619	0.4700 0.4736	0.4753 0.4555	0.4810	0.4716	Ave		0.4746				3.3		15.0			
Hexachlorobutadiene	0.1813 0.1655	0.1724 0.1734	0.1750 0.1693	0.1748	0.1674	Ave		0.1724				2.9		15.0			
Caprolactam	0.2036 0.2033	0.1934 0.2069	0.2005 0.2021	0.2071	0.2094	Ave		0.2033				2.4		15.0			
4-Chloro-3-methylphenol	0.3066 0.2983	0.2986 0.3096	0.3069 0.3010	0.3191	0.3042	Ave		0.3055				2.2		15.0			
2-Methylnaphthalene	0.7536 0.6930	0.7220 0.7109	0.7318 0.6822	0.7363	0.7091	Ave		0.7174				3.3		15.0			
1-Methylnaphthalene	0.7221 0.6541	0.6789 0.6604	0.6844 0.6439	0.6930	0.6701	Ave		0.6759				3.7		15.0			
Hexachlorocyclopentadiene	+++++ 0.2687	0.1241 0.3007	0.1634 0.3033	0.2279	0.2458	Lin1	-2.370	0.3018			0.0500				0.9940		0.9900

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,2,4,5-Tetrachlorobenzene	0.3446 0.3074	0.3121 0.3165	0.3125 0.3100	0.3182	0.3136	Ave		0.3169				3.7		15.0			
2,4,6-Trichlorophenol	0.3289 0.3461	0.3272 0.3582	0.3330 0.3515	0.3538	0.3508	Ave		0.3437				3.5		15.0			
2,4,5-Trichlorophenol	0.3340 0.3813	0.3464 0.3913	0.3658 0.3897	0.3784	0.3836	Ave		0.3713				5.6		15.0			
1,1'-Biphenyl	1.6335 1.4111	1.4835 1.4169	1.4985 1.3790	1.4656	1.4554	Ave		1.4679				5.3		15.0			
2-Chloronaphthalene	1.2703 1.0996	1.1541 1.1336	1.1663 1.0976	1.1715	1.1369	Ave		1.1537				4.7		15.0			
2-Nitroaniline	0.3662 0.4015	0.3845 0.4123	0.3970 0.3970	0.4158	0.4113	Ave		0.3982				4.1		15.0			
Dimethyl phthalate	1.3433 1.2462	1.2604 1.2578	1.2697 1.2250	1.2895	1.2591	Ave		1.2689				2.8		15.0			
1,3-Dinitrobenzene	0.1723 0.2293	0.1783 0.2375	0.1984 0.2333	0.2252	0.2241	Ave		0.2123				12.0		15.0			
2,6-Dinitrotoluene	0.3014 0.3060	0.2879 0.3185	0.2954 0.3024	0.3105	0.3051	Ave		0.3034				3.0		15.0			
Acenaphthylene	1.9713 1.8024	1.8289 1.8254	1.9107 1.7660	1.8892	1.8533	Ave		1.8559				3.5		15.0			
3-Nitroaniline	0.3538 0.3738	0.3404 0.3855	0.3640 0.3756	0.3843	0.3769	Ave		0.3693				4.2		15.0			
Acenaphthene	1.2998 1.1462	1.2275 1.1742	1.2080 1.1410	1.2095	1.1867	Ave		1.1991				4.2		15.0			
2,4-Dinitrophenol	+++++ 0.1667	0.0446 0.1852	0.0710 0.1855	0.1274	0.1553	Lin1	-3.808	0.1886			0.0500				0.9940		0.9900
4-Nitrophenol	0.1467 0.1814	0.1514 0.1884	0.1633 0.1846	0.1821	0.1846	Ave		0.1728			0.0500	9.6		15.0			
2,4-Dinitrotoluene	0.3399 0.4174	0.3728 0.4196	0.3933 0.4073	0.4159	0.4086	Ave		0.3969				7.0		15.0			
Dibenzofuran	1.8677 1.5471	1.6800 1.5864	1.6670 1.5229	1.6462	1.6179	Ave		1.6419				6.5		15.0			
2,3,4,6-Tetrachlorophenol	0.2406 0.3073	0.2562 0.3203	0.2779 0.3124	0.2873	0.3048	Ave		0.2884				9.9		15.0			
Diethyl phthalate	1.3467 1.2274	1.2647 1.2502	1.2830 1.2128	1.2833	1.2654	Ave		1.2667				3.2		15.0			
4-Chlorophenyl phenyl ether	0.6692 0.5925	0.6052 0.6121	0.5999 0.5880	0.6120	0.6032	Ave		0.6103				4.1		15.0			
Fluorene	1.5053 1.3062	1.3731 1.3365	1.3961 1.3135	1.3838	1.3515	Ave		1.3708				4.6		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Nitroaniline	0.3237 0.3696	0.3519 0.3774	0.3731 0.3706	0.3845	0.3759	Ave		0.3658				5.3		15.0			
4,6-Dinitro-2-methylphenol	+++++ 0.1394	0.0891 0.1440	0.1050 0.1425	0.1284	0.1337	Lin2	-1.166	0.1429							0.9980		0.9900
N-Nitrosodiphenylamine	0.5982 0.5636	0.5986 0.5795	0.5908 0.5625	0.5871	0.5747	Ave		0.5819				2.4		15.0			
1,2-Diphenylhydrazine	1.4201 1.3144	1.3567 1.3458	1.3942 1.2934	1.4021	1.3664	Ave		1.3616				3.2		15.0			
Azobenzene	1.4357 1.3288	1.3716 1.3606	1.4095 1.3076	1.4175	1.3814	Ave		1.3766				3.2		15.0			
4-Bromophenyl phenyl ether	0.2234 0.2116	0.2189 0.2218	0.2110 0.2126	0.2185	0.2137	Ave		0.2164				2.2		15.0			
Hexachlorobenzene	0.2763 0.2491	0.2535 0.2618	0.2491 0.2519	0.2573	0.2482	Ave		0.2559				3.7		15.0			
Atrazine	0.1828 0.1789	0.1781 0.1885	0.1867 0.1759	0.1897	0.1826	Ave		0.1829				2.8		15.0			
Pentachlorophenol	+++++ 0.1406	0.0783 0.1508	0.0937 0.1468	0.1208	0.1316	Lin2	-1.490	0.1447							0.9940		0.9900
Phenanthrene	1.2185 1.0912	1.1682 1.1113	1.1384 1.0666	1.1571	1.1308	Ave		1.1353				4.2		15.0			
Anthracene	1.2308 1.1293	1.1946 1.1418	1.1951 1.0942	1.1900	1.1613	Ave		1.1671				3.8		15.0			
Carbazole	1.1940 1.0968	1.1530 1.1095	1.1711 1.0686	1.1721	1.1255	Ave		1.1363				3.8		15.0			
Alachlor	0.1282 0.1429	0.1321 0.1447	0.1399 0.1417	0.1477	0.1444	Ave		0.1402				4.8		15.0			
Di-n-butyl phthalate	1.2278 1.2338	1.2412 1.2536	1.2587 1.2008	1.2904	1.2539	Ave		1.2450				2.1		15.0			
Fluoranthene	1.2767 1.2061	1.2098 1.2408	1.2382 1.2030	1.2556	1.2324	Ave		1.2328				2.1		15.0			
Benzidine	0.5470 0.6327	0.6014 0.6481	0.6580 0.6173	0.6922	0.6239	Ave		0.6276				6.8		15.0			
Pyrene	1.1746 1.1263	1.1255 1.1683	1.1446 1.1137	1.1731	1.1269	Ave		1.1441				2.2		15.0			
Famphur	0.3370 0.3423	0.3573 0.3427	0.3812 0.3226	0.3942	0.3564	Ave		0.3542				6.7		15.0			
Butyl benzyl phthalate	0.4336 0.5107	0.4628 0.5321	0.4893 0.5149	0.5253	0.5088	Ave		0.4972				6.8		15.0			
3,3'-Dichlorobenzidine	0.3668 0.4227	0.3777 0.4422	0.4092 0.4278	0.4327	0.4162	Ave		0.4119				6.5		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Benzo[a]anthracene	1.1151 1.0635	1.0569 1.1094	1.0939 1.0744	1.1043	1.0772	Ave		1.0868				2.0		15.0			
Bis(2-ethylhexyl) phthalate	0.5876 0.6824	0.6097 0.7183	0.6483 0.6842	0.7060	0.6747	Ave		0.6639				6.9		15.0			
Chrysene	1.0753 1.0056	1.0352 1.0465	1.0373 1.0082	1.0480	1.0106	Ave		1.0333				2.3		15.0			
Di-n-octyl phthalate	0.7349 1.1327	0.8700 1.1994	0.9761 1.1817	1.1107	1.1145	Lin2	-1.828	1.1433							0.9970		0.9900
Benzo[b]fluoranthene	1.0762 1.1133	1.0297 1.1487	1.0987 1.1412	1.1280	1.1187	Ave		1.1068				3.5		15.0			
Benzo[k]fluoranthene	1.1162 1.1853	1.1304 1.2221	1.1401 1.1847	1.2086	1.1893	Ave		1.1721				3.3		15.0			
Benzo[a]pyrene	1.0217 1.1252	1.0644 1.1583	1.0818 1.1472	1.1351	1.1220	Ave		1.1070				4.2		15.0			
Indeno[1,2,3-cd]pyrene	0.8828 0.9523	0.9151 1.0259	0.9961 1.0251	0.9967	0.9807	Ave		0.9718				5.3		15.0			
Dibenz(a,h)anthracene	0.9790 1.0594	0.9654 1.0990	0.9970 1.0915	1.0690	1.0589	Ave		1.0399				5.0		15.0			
Benzo[g,h,i]perylene	1.0981 1.0895	1.0571 1.1344	1.1107 1.1249	1.1066	1.1035	Ave		1.1031				2.1		15.0			
2-Fluorophenol (Surr)	1.4975 1.3740	1.4035 1.3901	1.4182 1.3549	1.4111	1.3932	Ave		1.4053				3.0		15.0			
Phenol-d5 (Surr)	1.9247 1.7680	1.8169 1.7939	1.8450 1.7312	1.8574	1.8211	Ave		1.8198				3.2		15.0			
Nitrobenzene-d5 (Surr)	0.4016 0.3791	0.3801 0.3903	0.3864 0.3838	0.4032	0.3913	Ave		0.3895				2.3		15.0			
2-Fluorobiphenyl	1.4757 1.2527	1.3400 1.2869	1.3219 1.2448	1.3220	1.3022	Ave		1.3183				5.5		15.0			
2,4,6-Tribromophenol (Surr)	0.1612 0.2006	0.1762 0.2040	0.1808 0.2024	0.1890	0.1912	Ave		0.1882				7.9		15.0			
Terphenyl-d14 (Surr)	0.8153 0.7851	0.7747 0.8219	0.7844 0.7839	0.8122	0.7789	Ave		0.7946				2.3		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD004 280-197081/26	B2-2656.D
Level 2	STD010 280-197081/27	B2-2657.D
Level 3	STD020 280-197081/28	B2-2658.D
Level 4	STD050 280-197081/29	B2-2659.D
Level 5	ICIS 280-197081/25	B2-2655.D
Level 6	STD120 280-197081/30	B2-2660.D
Level 7	STD160 280-197081/31	B2-2661.D
Level 8	STD200 280-197081/32	B2-2662.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCB	Ave	13991 380403	35578 519812	63461 610887	156047	263812	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodimethylamine	DCB	Ave	22150 607993	53330 820992	96764 979205	250263	415352	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyridine	DCB	Ave	39182 1071272	91162 1473682	171177 1725070	440395	734958	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol	DCB	Ave	45895 1200500	108926 1667501	194715 1920426	497492	826631	4.00 120	10.0 160	20.0 200	50.0	80.0
Aniline	DCB	Ave	55423 1500782	134659 2072164	244033 2373739	619290	1025671	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethyl)ether	DCB	Ave	34684 896099	81608 1243500	150661 1431274	385040	615429	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chlorophenol	DCB	Ave	34964 971229	86038 1336321	156362 1542694	395238	653524	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dichlorobenzene	DCB	Ave	38593 1016117	91757 1399455	167177 1610987	420887	696796	4.00 120	10.0 160	20.0 200	50.0	80.0
1,4-Dichlorobenzene	DCB	Ave	40489 1043117	95890 1435108	172697 1649829	428293	705716	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzyl alcohol	DCB	Ave	21083 631398	54800 878326	97324 1000855	256064	417046	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2-Dichlorobenzene	DCB	Ave	37356 1002849	88024 1373271	160165 1578002	409494	669323	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylphenol	DCB	Ave	30984 874714	77547 1218958	143014 1380430	359542	602385	4.00 120	10.0 160	20.0 200	50.0	80.0
2,2'-oxybis[1-chloropropane]	DCB	Ave	49290 1250108	118248 1675629	213430 1910266	529316	884270	4.00 120	10.0 160	20.0 200	50.0	80.0
N-Nitrosodi-n-propylamine	DCB	Ave	24332 688816	60059 929594	109943 1059900	281818	461073	4.00 120	10.0 160	20.0 200	50.0	80.0
3 & 4 Methylphenol	DCB	Ave	33986 921727	82562 1252040	151273 1441370	378178	626956	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
4-Methylphenol	DCB	Ave	33986 921727	82562 1252040	151273 1441370	378178	626956	4.00 120	10.0 160	20.0 200	50.0	80.0
Acetophenone	DCB	Ave	45967 1280626	115746 1753076	209348 1990411	534529	864250	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachloroethane	DCB	Ave	13923 389276	32428 535556	60893 620028	156661	261012	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene	NPT	Ave	36845 1015250	89147 1388172	158922 1601615	418381	682880	4.00 120	10.0 160	20.0 200	50.0	80.0
Isophorone	NPT	Ave	62694 1801129	158852 2447631	285659 2792266	730888	1204065	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitrophenol	NPT	Ave	15447 536333	40341 747791	77361 861950	207098	346176	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dimethylphenol	NPT	Ave	33355 929889	82419 1294539	149494 1467858	382948	620692	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-chloroethoxy)methane	NPT	Ave	40896 1100331	98515 1499180	180376 1717769	454874	745409	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzoic acid	NPT	Lin2	+++++ 1339861	59432 1887599	135179 2203524	425592	806365	+++++ 240	20.0 320	40.0 400	100	160
2,4-Dichlorophenol	NPT	Ave	27284 800751	66651 1098790	126265 1260191	318734	531507	4.00 120	10.0 160	20.0 200	50.0	80.0
1,2,4-Trichlorobenzene	NPT	Ave	32762 850593	76642 1179066	139406 1350775	346387	566933	4.00 120	10.0 160	20.0 200	50.0	80.0
Naphthalene	NPT	Ave	102171 2698884	242503 3688701	441959 4174958	1115768	1848342	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloroaniline	NPT	Ave	45221 1259915	107485 1729238	198527 1954180	505413	839035	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobutadiene	NPT	Ave	16127 451269	39423 632955	73115 726540	183699	297916	4.00 120	10.0 160	20.0 200	50.0	80.0
Caprolactam	NPT	Ave	18109 554446	44224 755535	83735 867265	217584	372592	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chloro-3-methylphenol	NPT	Ave	27275 813670	68288 1130516	128204 1291207	335337	541228	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Methylnaphthalene	NPT	Ave	67028 1890275	165119 2595853	305672 2926984	773790	1261661	4.00 120	10.0 160	20.0 200	50.0	80.0
1-Methylnaphthalene	NPT	Ave	64229 1784133	155262 2411360	285861 2762499	728260	1192350	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorocyclopentadiene	ANT	Lin1	+++++ 431474	16643 646781	40039 761453	141549	255059	+++++ 120	10.0 160	20.0 200	50.0	80.0
1,2,4,5-Tetrachlorobenzene	NPT	Ave	30654 838455	71384 1155801	130541 1329965	334380	558030	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Trichlorophenol	ANT	Ave	16932 555652	43867 770490	81602 882482	219723	364086	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
2,4,5-Trichlorophenol	ANT	Ave	17194 612175	46451 841699	89642 978314	234960	398077	4.00 120	10.0 160	20.0 200	50.0	80.0
1,1'-Biphenyl	ANT	Ave	84093 2265700	198912 3047880	367195 3461776	910108	1510552	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Chloronaphthalene	ANT	Ave	65396 1765470	154743 2438466	285804 2755328	727440	1179976	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Nitroaniline	ANT	Ave	18851 644702	51561 886902	97280 996712	258179	426866	4.00 120	10.0 160	20.0 200	50.0	80.0
Dimethyl phthalate	ANT	Ave	69153 2000916	169003 2705651	311136 3075142	800710	1306824	4.00 120	10.0 160	20.0 200	50.0	80.0
1,3-Dinitrobenzene	ANT	Ave	8871 368157	23905 510814	48623 585715	139813	232560	4.00 120	10.0 160	20.0 200	50.0	80.0
2,6-Dinitrotoluene	ANT	Ave	15516 491385	38603 685190	72384 759236	192836	316642	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthylene	ANT	Ave	101483 2894002	245224 3926642	468199 4433222	1173119	1923518	4.00 120	10.0 160	20.0 200	50.0	80.0
3-Nitroaniline	ANT	Ave	18216 600145	45642 829204	89194 942975	238618	391128	4.00 120	10.0 160	20.0 200	50.0	80.0
Acenaphthene	ANT	Ave	66915 1840366	164590 2525796	296009 2864244	751046	1231661	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4-Dinitrophenol	ANT	Lin1	+++++ 535326	11971 796949	34777 931337	158180	322273	+++++ 240	20.0 320	40.0 400	100	160
4-Nitrophenol	ANT	Ave	15103 582487	40588 810740	80028 926715	226164	383136	8.00 240	20.0 320	40.0 400	100	160
2,4-Dinitrotoluene	ANT	Ave	17498 670265	49985 902616	96383 1022360	258268	424093	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenzofuran	ANT	Ave	96150 2484095	225254 3412479	408490 3822997	1022233	1679191	4.00 120	10.0 160	20.0 200	50.0	80.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	12385 493394	34348 688982	68109 784204	178407	316372	4.00 120	10.0 160	20.0 200	50.0	80.0
Diethyl phthalate	ANT	Ave	69328 1970739	169579 2689411	314397 3044612	796915	1313330	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Chlorophenyl phenyl ether	ANT	Ave	34451 951392	81145 1316787	147003 1476192	380042	625994	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluorene	ANT	Ave	77493 2097330	184113 2874891	342111 3297293	859286	1402716	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Nitroaniline	ANT	Ave	16665 593419	47186 811778	91427 930291	238785	390108	4.00 120	10.0 160	20.0 200	50.0	80.0
4,6-Dinitro-2-methylphenol	PHN	Lin2	+++++ 764490	40343 1052155	87896 1221622	272678	475486	+++++ 240	20.0 320	40.0 400	100	160
N-Nitrosodiphenylamine	PHN	Ave	52529 1544988	135445 2117160	247257 2410845	623138	1022294	4.00 120	10.0 160	20.0 200	50.0	80.0

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,2-Diphenylhydrazine	ANT	Ave	73910 2133621	183911 2926757	345391 3282406	880219	1433741	4.04 121	10.1 162	20.2 202	50.5	80.9
Azobenzene	ANT	Ave	73910 2133621	183911 2926757	345391 3282406	880219	1433741	4.00 120	10.0 160	20.0 200	50.0	80.0
4-Bromophenyl phenyl ether	PHN	Ave	19616 579999	49535 810300	88322 911129	231931	380076	4.00 120	10.0 160	20.0 200	50.0	80.0
Hexachlorobenzene	PHN	Ave	24260 682983	57359 956575	104267 1079704	273078	441586	4.00 120	10.0 160	20.0 200	50.0	80.0
Atrazine	PHN	Ave	16053 490313	40295 688598	78127 753862	201381	324899	4.00 120	10.0 160	20.0 200	50.0	80.0
Pentachlorophenol	PHN	Lin2	+++++ 770693	35420 1102201	78404 1258326	256435	468305	+++++ 240	20.0 320	40.0 400	100	160
Phenanthrene	PHN	Ave	106988 2991160	264340 4060335	476447 4571895	1228215	2011446	4.00 120	10.0 160	20.0 200	50.0	80.0
Anthracene	PHN	Ave	108069 3095621	270312 4171779	500173 4689882	1263169	2065808	4.00 120	10.0 160	20.0 200	50.0	80.0
Carbazole	PHN	Ave	104842 3006745	260894 4053910	490127 4580432	1244118	2002124	4.00 120	10.0 160	20.0 200	50.0	80.0
Alachlor	PHN	Ave	11260 391830	29888 528575	58550 607569	156826	256950	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-butyl phthalate	PHN	Ave	107811 3382093	280860 4580447	526769 5147089	1369687	2230442	4.00 120	10.0 160	20.0 200	50.0	80.0
Fluoranthene	PHN	Ave	112096 3306175	273737 4533438	518221 5156278	1332769	2192319	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzidine	CRY	Ave	54294 1929699	154753 2590640	312048 2956041	824170	1254019	4.00 120	10.0 160	20.0 200	50.0	80.0
Pyrene	CRY	Ave	116591 3435030	289626 4669676	542795 5332800	1396754	2265035	4.00 120	10.0 160	20.0 200	50.0	80.0
Famphur	CRY	Ave	33446 1043929	91936 1369742	180788 1544596	469320	716366	4.00 120	10.0 160	20.0 200	50.0	80.0
Butyl benzyl phthalate	CRY	Ave	43044 1557718	119091 2126755	232049 2465592	625455	1022598	4.00 120	10.0 160	20.0 200	50.0	80.0
3,3'-Dichlorobenzidine	CRY	Ave	36411 1289247	97192 1767475	194054 2048299	515154	836553	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]anthracene	CRY	Ave	110686 3243521	271975 4434267	518725 5144774	1314792	2165141	4.00 120	10.0 160	20.0 200	50.0	80.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	58324 2081266	156893 2870909	307446 3276305	840580	1356060	4.00 120	10.0 160	20.0 200	50.0	80.0
Chrysene	CRY	Ave	106740 3067058	266381 4182734	491885 4827686	1247747	2031183	4.00 120	10.0 160	20.0 200	50.0	80.0
Di-n-octyl phthalate	CRY	Lin2	72943 3454596	223879 4793955	462899 5658369	1322393	2240137	4.00 120	10.0 160	20.0 200	50.0	80.0

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197081

SDG No.:

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

Calibration Start Date: 10/22/2013 07:51 Calibration End Date: 10/22/2013 11:23 Calibration ID: 16008

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Benzo[b]fluoranthene	PRY	Ave	105799 3203791	260376 4399378	505619 5225742	1294840	2127974	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[k]fluoranthene	PRY	Ave	109737 3410931	285830 4680294	524630 5425106	1387428	2262201	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[a]pyrene	PRY	Ave	100443 3238050	269151 4435898	497838 5253090	1303040	2134210	4.00 120	10.0 160	20.0 200	50.0	80.0
Indeno[1,2,3-cd]pyrene	CRY	Ave	87626 2904372	235472 4100446	472347 4908564	1186673	1971201	4.00 120	10.0 160	20.0 200	50.0	80.0
Dibenz(a,h)anthracene	PRY	Ave	96245 3048761	244101 4209065	458811 4998218	1227209	2014238	4.00 120	10.0 160	20.0 200	50.0	80.0
Benzo[g,h,i]perylene	PRY	Ave	107956 3135205	267302 4344478	511129 5150913	1270282	2099059	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorophenol (Surr)	DCB	Ave	33188 915649	80103 1254015	147462 1457293	371958	621260	4.00 120	10.0 160	20.0 200	50.0	80.0
Phenol-d5 (Surr)	DCB	Ave	42656 1178276	103698 1618247	191840 1861964	489592	812049	4.00 120	10.0 160	20.0 200	50.0	80.0
Nitrobenzene-d5 (Surr)	NPT	Ave	35721 1034021	86938 1425240	161420 1646722	423728	696163	4.00 120	10.0 160	20.0 200	50.0	80.0
2-Fluorobiphenyl	ANT	Ave	75970 2011339	179666 2768189	323929 3124871	820911	1351545	4.00 120	10.0 160	20.0 200	50.0	80.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	8298 322150	23628 438926	44305 508028	117368	198391	4.00 120	10.0 160	20.0 200	50.0	80.0
Terphenyl-d14 (Surr)	CRY	Ave	80931 2394491	199366 3285117	371989 3753657	966990	1565550	4.00 120	10.0 160	20.0 200	50.0	80.0

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2655.D
Lims ID: ICIS HSL Client ID:
Inject. Date: 22-Oct-2013 07:51:30 Dil. Factor: 1.0000
Sample Type: ICIS Calib Level: 5
Sample ID: ICIS HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 197081 Lims Sample ID: 25
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:19 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 08:24:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.631	4.631	0.0	92	222957	40.0	
* 2 Naphthalene-d8	136	5.876	5.876	0.0	99	889624	40.0	
* 3 Acenaphthene-d10	164	7.645	7.645	0.0	99	518932	40.0	
* 4 Phenanthrene-d10	188	9.155	9.155	0.0	99	889421	40.0	
* 5 Chrysene-d12	240	13.432	13.432	0.0	35	1004977	40.0	
* 6 Perylene-d12	264	17.545	17.545	0.0	98	951072	40.0	
$ 7 2-Fluorophenol	112	3.414	3.414	0.0	96	621260	79.3	
$ 8 Phenol-d5	99	4.272	4.272	0.0	99	812049	80.1	
$ 9 Nitrobenzene-d5	82	5.171	5.171	0.0	97	696163	80.4	
$ 11 2-Fluorobiphenyl	172	6.940	6.940	0.0	99	1351545	79.0	
$ 12 2,4,6-Tribromophenol	330	8.450	8.450	0.0	97	198391	81.3	
$ 13 Terphenyl-d14	244	11.170	11.170	0.0	99	1565550	78.4	
19 1,4-Dioxane	88	1.916	1.916	0.0	94	263812	79.5	
20 N-Nitrosodimethylamine	74	2.192	2.192	0.0	98	415352	79.7	
21 Pyridine	79	2.233	2.233	0.0	96	734958	80.1	
32 Phenol	94	4.284	4.284	0.0	93	826631	78.9	
34 Aniline	93	4.319	4.319	0.0	99	1025671	79.1	
35 Alpha Methyl Styrene	118	4.349	4.349	0.0	96	633416	78.5	
36 Bis(2-chloroethyl)ether	93	4.354	4.354	0.0	93	615429	77.9	
38 n-Decane	43	4.413	4.413	0.0	96	656033	80.4	
39 2-Chlorophenol	128	4.437	4.437	0.0	94	653524	78.6	
40 1,3-Dichlorobenzene	146	4.578	4.578	0.0	99	696796	78.8	
42 1,4-Dichlorobenzene	146	4.648	4.648	0.0	98	705716	77.5	
43 Benzyl alcohol	108	4.754	4.754	0.0	99	417046	78.7	
44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	97	669323	78.0	
45 2-Methylphenol	108	4.860	4.860	0.0	98	602385	80.1	
46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	89	884270	80.1	
47 Indene	116	4.877	4.877	0.0	93	1061843	79.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.007	5.007	0.0	84	626956	79.0	
50 3-Methylphenol	108	5.007	5.007	0.0	89	626956	79.0	
51 4-Methylphenol	108	5.007	5.007	0.0	96	626956	79.0	
52 N-Nitrosodi-n-propylamine	70	4.989	4.989	0.0	96	461073	79.2	
54 Acetophenone	105	5.012	5.012	0.0	90	864250	78.5	
58 Hexachloroethane	117	5.124	5.124	0.0	98	261012	79.4	
59 Nitrobenzene	77	5.189	5.189	0.0	96	682880	79.4	
63 Isophorone	82	5.406	5.406	0.0	100	1204065	79.7	
64 2-Nitrophenol	139	5.500	5.500	0.0	96	346176	81.4	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	98	620692	78.5	
68 Benzoic acid	105	5.629	5.629	0.0	97	806365	155.5	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	97	745409	79.1	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	98	652898	79.7	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	96	531507	80.0	
76 1,2,4-Trichlorobenzene	180	5.817	5.817	0.0	98	566933	77.4	
79 Naphthalene	128	5.900	5.900	0.0	100	1848342	79.7	
80 4-Chloroaniline	127	5.953	5.953	0.0	100	839035	79.5	
83 Hexachlorobutadiene	225	6.000	6.000	0.0	97	297916	77.7	
86 Caprolactam	55	6.299	6.299	0.0	94	372592	82.4	
89 4-Chloro-3-methylphenol	107	6.434	6.434	0.0	98	541228	79.6	
93 2-Methylnaphthalene	142	6.587	6.587	0.0	100	1261661	79.1	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	99	1192350	79.3	
97 Hexachlorocyclopentadiene	237	6.734	6.734	0.0	98	255059	73.0	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	97	558030	79.2	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	91	364086	81.7	
101 2,3-Dichlorobenzenamine	161	6.881	6.881	0.0	91	664488	78.5	
102 2,4,5-Trichlorophenol	196	6.922	6.922	0.0	97	398077	82.6	
104 1,1'-Biphenyl	154	7.051	7.051	0.0	95	1510552	79.3	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	98	1179976	78.8	
108 2-Nitroaniline	65	7.192	7.192	0.0	96	426866	82.6	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	1306824	79.4	
112 1,3-Dinitrobenzene	168	7.398	7.398	0.0	82	232560	84.4	
113 2,6-Dinitrotoluene	165	7.421	7.421	0.0	96	316642	80.4	
114 Acenaphthylene	152	7.504	7.504	0.0	99	1923518	79.9	
115 3-Nitroaniline	138	7.609	7.609	0.0	98	391128	81.6	
117 Acenaphthene	153	7.680	7.680	0.0	99	1231661	79.2	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	95	322273	151.9	
119 4-Nitrophenol	109	7.792	7.792	0.0	96	383136	170.9	
122 2,4-Dinitrotoluene	165	7.827	7.827	0.0	93	424093	82.4	
123 Dibenzofuran	168	7.850	7.850	0.0	100	1679191	78.8	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	73	316372	84.6	
127 Hexadecane	57	8.003	8.003	0.0	96	958013	81.3	
130 Diethyl phthalate	149	8.038	8.038	0.0	100	1313330	79.9	
134 4-Chlorophenyl phenyl ether	204	8.173	8.173	0.0	96	625994	79.1	
135 Fluorene	166	8.197	8.197	0.0	100	1402716	78.9	
138 4-Nitroaniline	138	8.232	8.232	0.0	93	390108	82.2	
139 4,6-Dinitro-2-methylphenol	198	8.244	8.244	0.0	93	475486	157.9	
141 N-Nitrosodiphenylamine	169	8.303	8.303	0.0	97	1022294	79.0	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	96	1433741	81.2	
144 Azobenzene	77	8.338	8.338	0.0	96	1433741	80.3	
147 2,4,6 - Tribromophenol	330	8.450	8.450	0.0	97	199117	80.8	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	97	380076	79.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.755	8.755	0.0	97	441586	77.6	
159 Atrazine	200	8.814	8.814	0.0	92	324899	79.9	
161 n-Octadecane	85	8.926	8.926	0.0	96	333033	80.6	
163 Pentachlorophenol	266	8.955	8.955	0.0	95	468305	155.8	
168 Phenanthrene	178	9.178	9.178	0.0	100	2011446	79.7	
169 Anthracene	178	9.231	9.231	0.0	100	2065808	79.6	
170 Carbazole	167	9.396	9.396	0.0	100	2002124	79.2	
171 Alachlor	188	9.484	9.484	0.0	95	256950	82.4	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	2230442	80.6	
179 Fluoranthene	202	10.600	10.600	0.0	99	2192319	80.0	
181 Benzidine	184	10.800	10.800	0.0	65	1254019	79.5	
182 Pyrene	202	10.964	10.964	0.0	99	2265035	78.8	
188 Famphur	218	11.981	11.981	0.0	98	716366	80.5	
190 Butyl benzyl phthalate	149	12.081	12.081	0.0	99	1022598	81.9	
195 Bis(2-ethylhexyl) phthalate	149	13.414	13.414	0.0	93	1356060	81.3	
197 3,3'-Dichlorobenzidine	252	13.379	13.379	0.0	97	836553	80.8	
198 Benzo[a]anthracene	228	13.409	13.409	0.0	99	2165141	79.3	
199 Chrysene	228	13.503	13.503	0.0	99	2031183	78.2	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	99	2240137	79.6	
203 Benzo[b]fluoranthene	252	16.399	16.399	0.0	95	2127974	80.9	
204 Benzo[k]fluoranthene	252	16.476	16.476	0.0	96	2262201	81.2	
206 Benzo[e]pyrene	252	17.216	17.216	0.0	98	1863893	80.6	
207 Benzo[a]pyrene	252	17.374	17.374	0.0	96	2134210	81.1	
213 Dibenz(a,h)anthracene	278	20.817	20.817	0.0	75	2014238	81.5	
214 Indeno[1,2,3-cd]pyrene	276	20.735	20.735	0.0	67	1971201	80.7	M
215 Benzo[g,h,i]perylene	276	21.505	21.505	0.0	98	2099059	80.0	
S 217 Total Cresols	108				0		159.1	
S 218 Methyl Phenols,Total	108				0		159.1	

QC Flag Legend

Review Flags
M - Manually Integrated

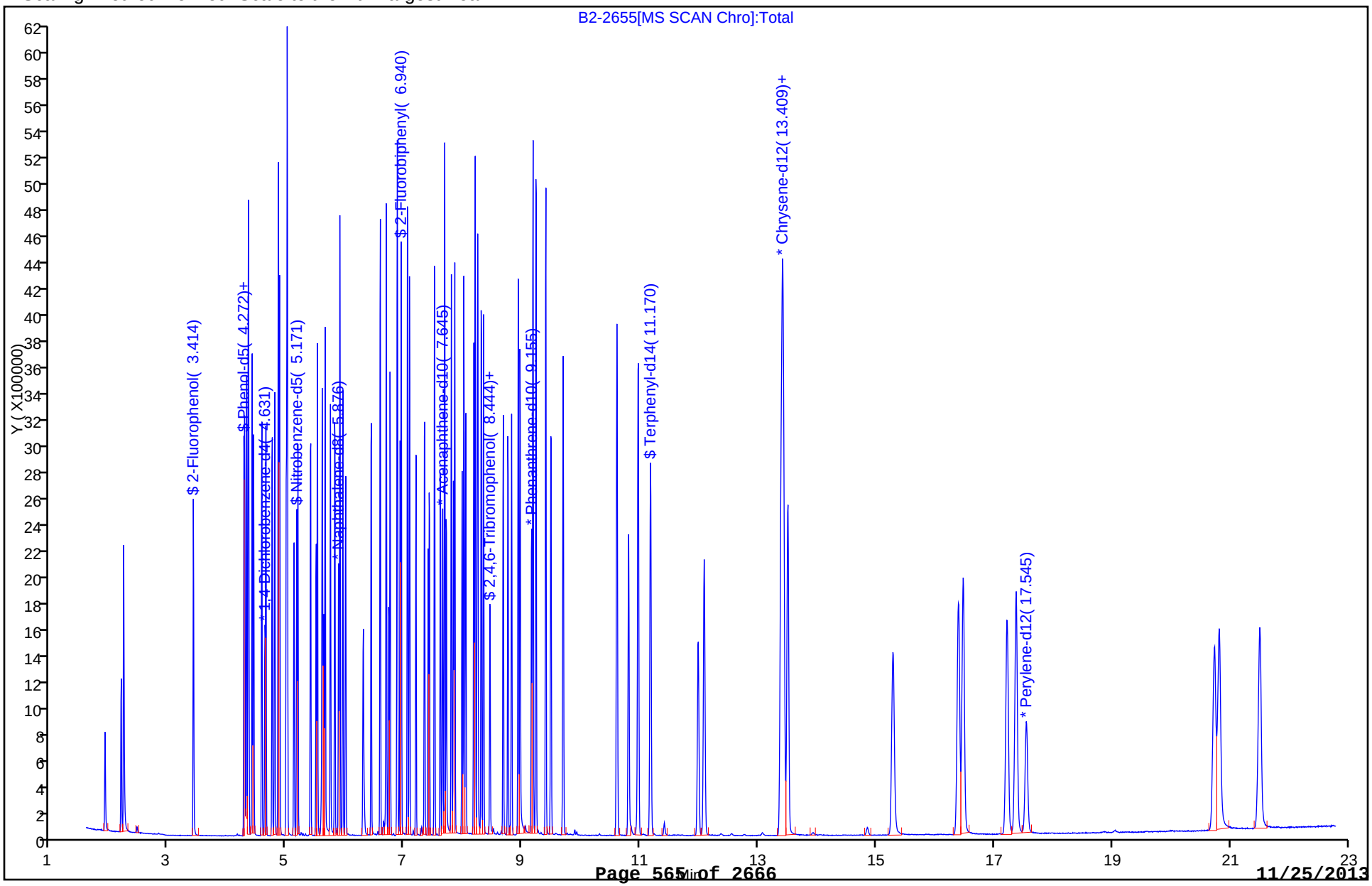
Report Date: 22-Oct-2013 13:24:20 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2655.D

Injection Date:	22-Oct-2013 07:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	25
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

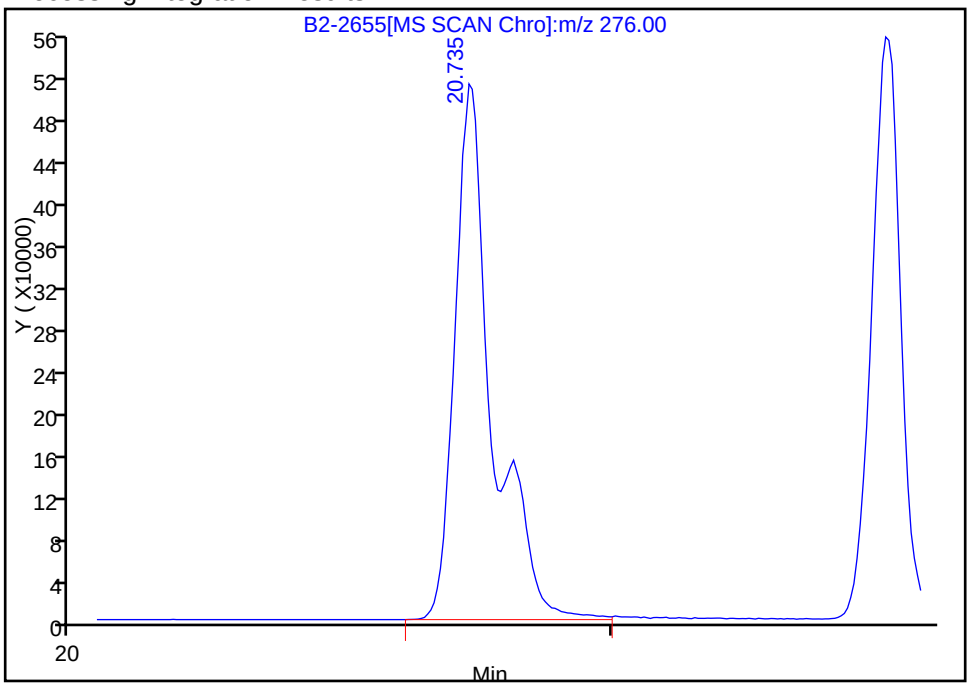
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2655.D		
Injection Date:	22-Oct-2013 07:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	25
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

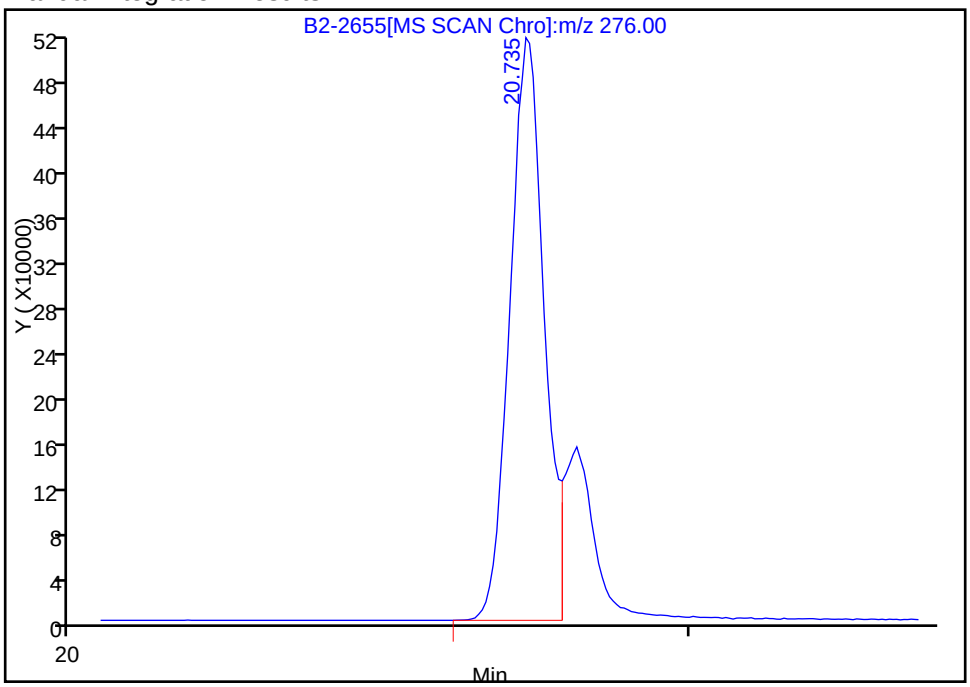
Processing Integration Results

RT: 20.74
Response: 2457809
Amount: 80.000000



Manual Integration Results

RT: 20.74
Response: 1971201
Amount: 80.732999



Reviewer: kiekeld, 22-Oct-2013 08:24:23
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2656.D
Lims ID: STD004 HSL Client ID:
Inject. Date: 22-Oct-2013 08:21:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD004 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 3
Lims Batch ID: 197081 Lims Sample ID: 26
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:20 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 08:49:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.631	-0.005	94	221622	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	99	889470	40.0	
* 3 Acenaphthene-d10	164	7.640	7.645	-0.005	99	514799	40.0	
* 4 Phenanthrene-d10	188	9.150	9.155	-0.005	99	878047	40.0	
* 5 Chrysene-d12	240	13.421	13.432	-0.011	82	992608	40.0	
* 6 Perylene-d12	264	17.540	17.545	-0.005	98	983125	40.0	
$ 7 2-Fluorophenol	112	3.415	3.414	0.001	94	33188	4.26	
$ 8 Phenol-d5	99	4.273	4.272	0.001	98	42656	4.23	
$ 9 Nitrobenzene-d5	82	5.166	5.171	-0.005	95	35721	4.12	
$ 11 2-Fluorobiphenyl	172	6.940	6.940	0.0	95	75970	4.48	
$ 12 2,4,6-Tribromophenol	330	8.445	8.450	-0.005	86	8298	3.43	
$ 13 Terphenyl-d14	244	11.165	11.170	-0.005	98	80931	4.10	
19 1,4-Dioxane	88	1.917	1.916	0.001	92	13991	4.24	
20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	97	22150	4.28	
21 Pyridine	79	2.234	2.233	0.001	95	39182	4.29	
32 Phenol	94	4.285	4.284	0.001	92	45895	4.41	
34 Aniline	93	4.314	4.319	-0.005	99	55423	4.30	
35 Alpha Methyl Styrene	118	4.344	4.349	-0.005	94	34124	4.25	
36 Bis(2-chloroethyl)ether	93	4.349	4.354	-0.005	93	34684	4.42	
38 n-Decane	43	4.408	4.413	-0.005	97	38341	4.73	
39 2-Chlorophenol	128	4.438	4.437	0.001	93	34964	4.23	
40 1,3-Dichlorobenzene	146	4.573	4.578	-0.005	96	38593	4.39	
42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	97	40489	4.47	
43 Benzyl alcohol	108	4.749	4.754	-0.005	96	21083	4.00	
44 1,2-Dichlorobenzene	146	4.790	4.795	-0.005	95	37356	4.38	
45 2-Methylphenol	108	4.855	4.860	-0.005	96	30984	4.14	
46 2,2'-oxybis[1-chloropropane]	45	4.855	4.860	-0.005	86	49290	4.49	
47 Indene	116	4.872	4.877	-0.005	99	57554	4.31	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.002	5.007	-0.005	81	33986	4.31	
50 3-Methylphenol	108	5.002	5.007	-0.005	81	33986	4.31	
51 4-Methylphenol	108	5.002	5.007	-0.005	92	33986	4.31	
52 N-Nitrosodi-n-propylamine	70	4.984	4.989	-0.005	84	24332	4.20	
54 Acetophenone	105	5.007	5.012	-0.005	94	45967	4.20	
58 Hexachloroethane	117	5.119	5.124	-0.005	95	13923	4.26	
59 Nitrobenzene	77	5.184	5.189	-0.005	95	36845	4.29	
63 Isophorone	82	5.401	5.406	-0.005	99	62694	4.15	
64 2-Nitrophenol	139	5.495	5.500	-0.005	92	15447	3.63	
65 2,4-Dimethylphenol	107	5.519	5.518	0.001	98	33355	4.22	
68 Benzoic acid	105	5.577	5.629	-0.052	90	16956	13.8	
69 Bis(2-chloroethoxy)methane	93	5.595	5.600	-0.005	90	40896	4.34	
71 3,5-Dimethylphenol	107	5.648	5.653	-0.005	98	35280	4.31	
74 2,4-Dichlorophenol	162	5.742	5.741	0.001	97	27284	4.11	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	93	32762	4.47	
79 Naphthalene	128	5.895	5.900	-0.005	99	102171	4.41	
80 4-Chloroaniline	127	5.948	5.953	-0.005	98	45221	4.28	
83 Hexachlorobutadiene	225	5.995	6.000	-0.005	94	16127	4.21	
86 Caprolactam	55	6.271	6.299	-0.028	87	18109	4.01	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	97	27275	4.01	
93 2-Methylnaphthalene	142	6.582	6.587	-0.005	97	67028	4.20	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	98	64229	4.27	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	83	4724	9.07	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	94	30654	4.35	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	86	16932	3.83	
101 2,3-Dichlorobenzenamine	161	6.876	6.881	-0.005	96	37074	4.41	
102 2,4,5-Trichlorophenol	196	6.923	6.922	0.001	96	17194	3.60	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	95	84093	4.45	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	65396	4.40	
108 2-Nitroaniline	65	7.187	7.192	-0.005	94	18851	3.68	
111 Dimethyl phthalate	163	7.334	7.339	-0.005	98	69153	4.23	
112 1,3-Dinitrobenzene	168	7.399	7.398	0.001	86	8871	3.25	
113 2,6-Dinitrotoluene	165	7.416	7.421	-0.005	91	15516	3.97	
114 Acenaphthylene	152	7.505	7.504	0.001	99	101483	4.25	
115 3-Nitroaniline	138	7.604	7.609	-0.005	97	18216	3.83	
117 Acenaphthene	153	7.675	7.680	-0.005	97	66915	4.34	
118 2,4-Dinitrophenol	184	7.704	7.709	-0.005	80	2994	21.4	
119 4-Nitrophenol	109	7.792	7.792	0.0	93	15103	6.79	
122 2,4-Dinitrotoluene	165	7.822	7.827	-0.005	82	17498	3.43	
123 Dibenzofuran	168	7.845	7.850	-0.005	97	96150	4.55	
125 2,3,4,6-Tetrachlorophenol	232	7.975	7.974	0.001	69	12385	3.34	
127 Hexadecane	57	8.004	8.003	0.001	96	49091	4.20	
130 Diethyl phthalate	149	8.027	8.038	-0.011	98	69328	4.25	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	96	34451	4.39	
135 Fluorene	166	8.192	8.197	-0.005	98	77493	4.39	
138 4-Nitroaniline	138	8.221	8.232	-0.011	92	16665	3.54	
139 4,6-Dinitro-2-methylphenol	198	8.239	8.244	-0.005	85	11352	11.8	
141 N-Nitrosodiphenylamine	169	8.298	8.303	-0.005	95	52529	4.11	
143 1,2-Diphenylhydrazine	77	8.333	8.338	-0.005	95	73910	4.22	
144 Azobenzene	77	8.333	8.338	-0.005	95	73910	4.17	
147 2,4,6 - Tribromophenol	330	8.445	8.450	-0.005	86	8231	3.37	
156 4-Bromophenyl phenyl ether	248	8.668	8.673	-0.005	90	19616	4.13	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.750	8.755	-0.005	90	24260	4.32	
159 Atrazine	200	8.809	8.814	-0.005	88	16053	4.00	
161 n-Octadecane	85	8.926	8.926	0.0	96	16823	4.13	
163 Pentachlorophenol	266	8.956	8.955	0.001	85	9615	13.3	
168 Phenanthrene	178	9.173	9.178	-0.005	99	106988	4.29	
169 Anthracene	178	9.226	9.231	-0.005	100	108069	4.22	
170 Carbazole	167	9.391	9.396	-0.005	99	104842	4.20	
171 Alachlor	188	9.479	9.484	-0.005	91	11260	3.66	
173 Di-n-butyl phthalate	149	9.684	9.689	-0.005	99	107811	3.94	
179 Fluoranthene	202	10.595	10.600	-0.005	96	112096	4.14	
181 Benzidine	184	10.795	10.800	-0.005	62	54294	3.49	
182 Pyrene	202	10.953	10.964	-0.011	95	116591	4.11	
188 Famphur	218	11.976	11.981	-0.005	91	33446	3.81	
190 Butyl benzyl phthalate	149	12.076	12.081	-0.005	96	43044	3.49	
195 Bis(2-ethylhexyl) phthalate	149	13.415	13.414	0.001	73	58324	3.54	
197 3,3'-Dichlorobenzidine	252	13.368	13.379	-0.011	92	36411	3.56	
198 Benzo[a]anthracene	228	13.398	13.409	-0.010	97	110686	4.10	
199 Chrysene	228	13.486	13.503	-0.016	97	106740	4.16	
201 Di-n-octyl phthalate	149	15.272	15.283	-0.011	96	72943	4.17	
203 Benzo[b]fluoranthene	252	16.382	16.399	-0.017	94	105799	3.89	
204 Benzo[k]fluoranthene	252	16.453	16.476	-0.023	96	109737	3.81	
206 Benzo[e]pyrene	252	17.205	17.216	-0.011	97	95001	3.97	
207 Benzo[a]pyrene	252	17.352	17.374	-0.022	94	100443	3.69	
213 Dibenz(a,h)anthracene	278	20.807	20.817	-0.010	71	96245	3.77	
214 Indeno[1,2,3-cd]pyrene	276	20.718	20.735	-0.017	51	87626	3.63	
215 Benzo[g,h,i]perylene	276	21.482	21.505	-0.023	97	107956	3.98	
S 217 Total Cresols	108				0		8.45	
S 218 Methyl Phenols,Total	108				0		8.45	

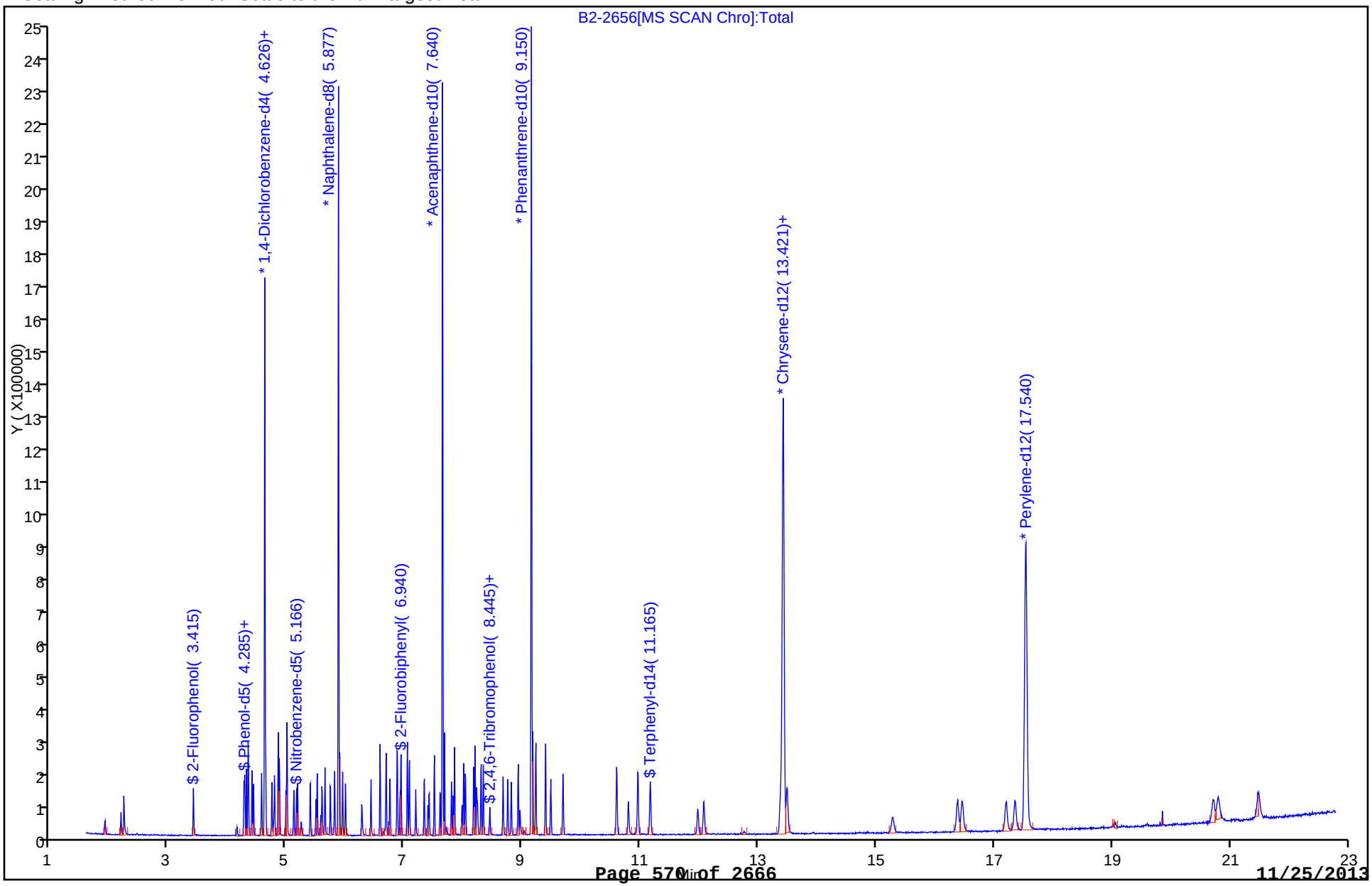
Report Date: 22-Oct-2013 13:24:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2656.D

Injection Date:	22-Oct-2013 08:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	26
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2657.D
Lims ID: STD010 HSL Client ID:
Inject. Date: 22-Oct-2013 08:51:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD010 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 4
Lims Batch ID: 197081 Lims Sample ID: 27
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:21 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 09:24:45

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.631	-0.004	92	228294	40.0	
* 2 Naphthalene-d8	136	5.878	5.876	0.002	99	914843	40.0	
* 3 Acenaphthene-d10	164	7.641	7.645	-0.004	99	536333	40.0	
* 4 Phenanthrene-d10	188	9.151	9.155	-0.004	99	905100	40.0	
* 5 Chrysene-d12	240	13.422	13.432	-0.010	83	1029327	40.0	
* 6 Perylene-d12	264	17.541	17.545	-0.004	98	1011443	40.0	
$ 7 2-Fluorophenol	112	3.416	3.414	0.002	97	80103	9.99	
$ 8 Phenol-d5	99	4.274	4.272	0.002	99	103698	9.98	
$ 9 Nitrobenzene-d5	82	5.167	5.171	-0.004	96	86938	9.76	
$ 11 2-Fluorobiphenyl	172	6.936	6.940	-0.004	98	179666	10.2	
$ 12 2,4,6-Tribromophenol	330	8.446	8.450	-0.004	94	23628	9.36	
$ 13 Terphenyl-d14	244	11.166	11.170	-0.004	99	199366	9.75	
19 1,4-Dioxane	88	1.912	1.916	-0.004	91	35578	10.5	
20 N-Nitrosodimethylamine	74	2.189	2.192	-0.003	98	53330	10.0	
21 Pyridine	79	2.236	2.233	0.003	93	91162	9.70	
32 Phenol	94	4.286	4.284	0.002	92	108926	10.2	
34 Aniline	93	4.315	4.319	-0.004	99	134659	10.1	
35 Alpha Methyl Styrene	118	4.345	4.349	-0.004	95	83972	10.2	
36 Bis(2-chloroethyl)ether	93	4.351	4.354	-0.003	96	81608	10.1	
38 n-Decane	43	4.409	4.413	-0.004	96	86066	10.3	
39 2-Chlorophenol	128	4.433	4.437	-0.004	94	86038	10.1	
40 1,3-Dichlorobenzene	146	4.574	4.578	-0.004	98	91757	10.1	
42 1,4-Dichlorobenzene	146	4.644	4.648	-0.004	98	95890	10.3	
43 Benzyl alcohol	108	4.750	4.754	-0.004	98	54800	10.1	
44 1,2-Dichlorobenzene	146	4.791	4.795	-0.004	96	88024	10.0	
45 2-Methylphenol	108	4.856	4.860	-0.004	97	77547	10.1	
46 2,2'-oxybis[1-chloropropane]	45	4.856	4.860	-0.004	86	118248	10.5	
47 Indene	116	4.874	4.877	-0.003	92	139673	10.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.003	5.007	-0.004	80	82562	10.2	
50 3-Methylphenol	108	5.003	5.007	-0.004	86	82562	10.2	
51 4-Methylphenol	108	5.003	5.007	-0.004	96	82562	10.2	
52 N-Nitrosodi-n-propylamine	70	4.985	4.989	-0.004	95	60059	10.1	
54 Acetophenone	105	5.003	5.012	-0.009	93	115746	10.3	
58 Hexachloroethane	117	5.120	5.124	-0.004	95	32428	9.64	
59 Nitrobenzene	77	5.185	5.189	-0.004	97	89147	10.1	
63 Isophorone	82	5.397	5.406	-0.009	99	158852	10.2	
64 2-Nitrophenol	139	5.496	5.500	-0.004	94	40341	9.23	
65 2,4-Dimethylphenol	107	5.514	5.518	-0.004	98	82419	10.1	
68 Benzoic acid	105	5.585	5.629	-0.044	98	59432	21.1	
69 Bis(2-chloroethoxy)methane	93	5.596	5.600	-0.004	93	98515	10.2	
71 3,5-Dimethylphenol	107	5.649	5.653	-0.004	98	84669	10.1	
74 2,4-Dichlorophenol	162	5.737	5.741	-0.004	96	66651	9.75	
76 1,2,4-Trichlorobenzene	180	5.814	5.817	-0.003	96	76642	10.2	
79 Naphthalene	128	5.896	5.900	-0.004	100	242503	10.2	
80 4-Chloroaniline	127	5.949	5.953	-0.004	99	107485	9.90	
83 Hexachlorobutadiene	225	5.996	6.000	-0.004	96	39423	10.0	
86 Caprolactam	55	6.272	6.299	-0.027	93	44224	9.51	
89 4-Chloro-3-methylphenol	107	6.425	6.434	-0.009	98	68288	9.77	
93 2-Methylnaphthalene	142	6.583	6.587	-0.004	99	165119	10.1	
96 1-Methylnaphthalene	142	6.683	6.687	-0.004	98	155262	10.0	
97 Hexachlorocyclopentadiene	237	6.730	6.734	-0.004	88	16643	12.0	
98 1,2,4,5-Tetrachlorobenzene	216	6.748	6.752	-0.004	98	71384	9.85	
100 2,4,6-Trichlorophenol	196	6.865	6.869	-0.004	90	43867	9.52	
101 2,3-Dichlorobenzenamine	161	6.877	6.881	-0.004	95	89964	10.3	
102 2,4,5-Trichlorophenol	196	6.918	6.922	-0.004	94	46451	9.33	
104 1,1'-Biphenyl	154	7.042	7.051	-0.009	97	198912	10.1	
106 2-Chloronaphthalene	162	7.077	7.081	-0.004	98	154743	10.0	
108 2-Nitroaniline	65	7.189	7.192	-0.003	96	51561	9.66	
111 Dimethyl phthalate	163	7.330	7.339	-0.009	99	169003	9.93	
112 1,3-Dinitrobenzene	168	7.394	7.398	-0.004	83	23905	8.40	
113 2,6-Dinitrotoluene	165	7.412	7.421	-0.009	88	38603	9.49	
114 Acenaphthylene	152	7.500	7.504	-0.004	99	245224	9.85	
115 3-Nitroaniline	138	7.600	7.609	-0.009	96	45642	9.22	
117 Acenaphthene	153	7.676	7.680	-0.004	99	164590	10.2	
118 2,4-Dinitrophenol	184	7.706	7.709	-0.003	79	11971	24.9	
119 4-Nitrophenol	109	7.788	7.792	-0.004	96	40588	17.5	
122 2,4-Dinitrotoluene	165	7.823	7.827	-0.004	92	49985	9.39	
123 Dibenzofuran	168	7.847	7.850	-0.003	99	225254	10.2	
125 2,3,4,6-Tetrachlorophenol	232	7.970	7.974	-0.004	74	34348	8.88	
127 Hexadecane	57	7.999	8.003	-0.004	97	124678	10.2	
130 Diethyl phthalate	149	8.029	8.038	-0.009	99	169579	9.98	
134 4-Chlorophenyl phenyl ether	204	8.170	8.173	-0.003	95	81145	9.92	
135 Fluorene	166	8.193	8.197	-0.004	100	184113	10.0	
138 4-Nitroaniline	138	8.223	8.232	-0.009	94	47186	9.62	
139 4,6-Dinitro-2-methylphenol	198	8.234	8.244	-0.010	85	40343	20.6	
141 N-Nitrosodiphenylamine	169	8.293	8.303	-0.010	97	135445	10.3	
143 1,2-Diphenylhydrazine	77	8.334	8.338	-0.004	97	183911	10.1	
144 Azobenzene	77	8.334	8.338	-0.004	97	183911	9.96	
147 2,4,6 - Tribromophenol	330	8.446	8.450	-0.004	94	23695	9.30	
156 4-Bromophenyl phenyl ether	248	8.669	8.673	-0.004	94	49535	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.751	8.755	-0.004	96	57359	9.91	
159 Atrazine	200	8.810	8.814	-0.004	92	40295	9.74	
161 n-Octadecane	85	8.928	8.926	0.002	96	42523	10.1	
163 Pentachlorophenol	266	8.957	8.955	0.002	90	35420	21.1	
168 Phenanthrene	178	9.174	9.178	-0.004	99	264340	10.3	
169 Anthracene	178	9.221	9.231	-0.010	100	270312	10.2	
170 Carbazole	167	9.392	9.396	-0.004	100	260894	10.1	
171 Alachlor	188	9.480	9.484	-0.004	93	29888	9.42	
173 Di-n-butyl phthalate	149	9.686	9.689	-0.003	100	280860	9.97	
179 Fluoranthene	202	10.596	10.600	-0.004	99	273737	9.81	
181 Benzidine	184	10.796	10.800	-0.004	73	154753	9.58	
182 Pyrene	202	10.955	10.964	-0.009	99	289626	9.84	
188 Famphur	218	11.971	11.981	-0.010	96	91936	10.1	
190 Butyl benzyl phthalate	149	12.077	12.081	-0.004	97	119091	9.31	
195 Bis(2-ethylhexyl) phthalate	149	13.417	13.414	0.003	91	156893	9.18	
197 3,3'-Dichlorobenzidine	252	13.370	13.379	-0.009	96	97192	9.17	
198 Benzo[a]anthracene	228	13.399	13.409	-0.009	98	271975	9.72	
199 Chrysene	228	13.493	13.503	-0.009	97	266381	10.0	
201 Di-n-octyl phthalate	149	15.285	15.283	0.002	98	223879	9.21	
203 Benzo[b]fluoranthene	252	16.384	16.399	-0.015	97	260376	9.30	
204 Benzo[k]fluoranthene	252	16.460	16.476	-0.016	95	285830	9.64	
206 Benzo[e]pyrene	252	17.206	17.216	-0.010	98	237621	9.66	
207 Benzo[a]pyrene	252	17.359	17.374	-0.015	99	269151	9.62	
213 Dibenz(a,h)anthracene	278	20.802	20.817	-0.015	74	244101	9.28	
214 Indeno[1,2,3-cd]pyrene	276	20.720	20.735	-0.015	63	235472	9.42	M
215 Benzo[g,h,i]perylene	276	21.489	21.505	-0.016	97	267302	9.58	
S 217 Total Cresols	108				0		20.2	
S 218 Methyl Phenols,Total	108				0		20.2	

QC Flag Legend

Review Flags
M - Manually Integrated

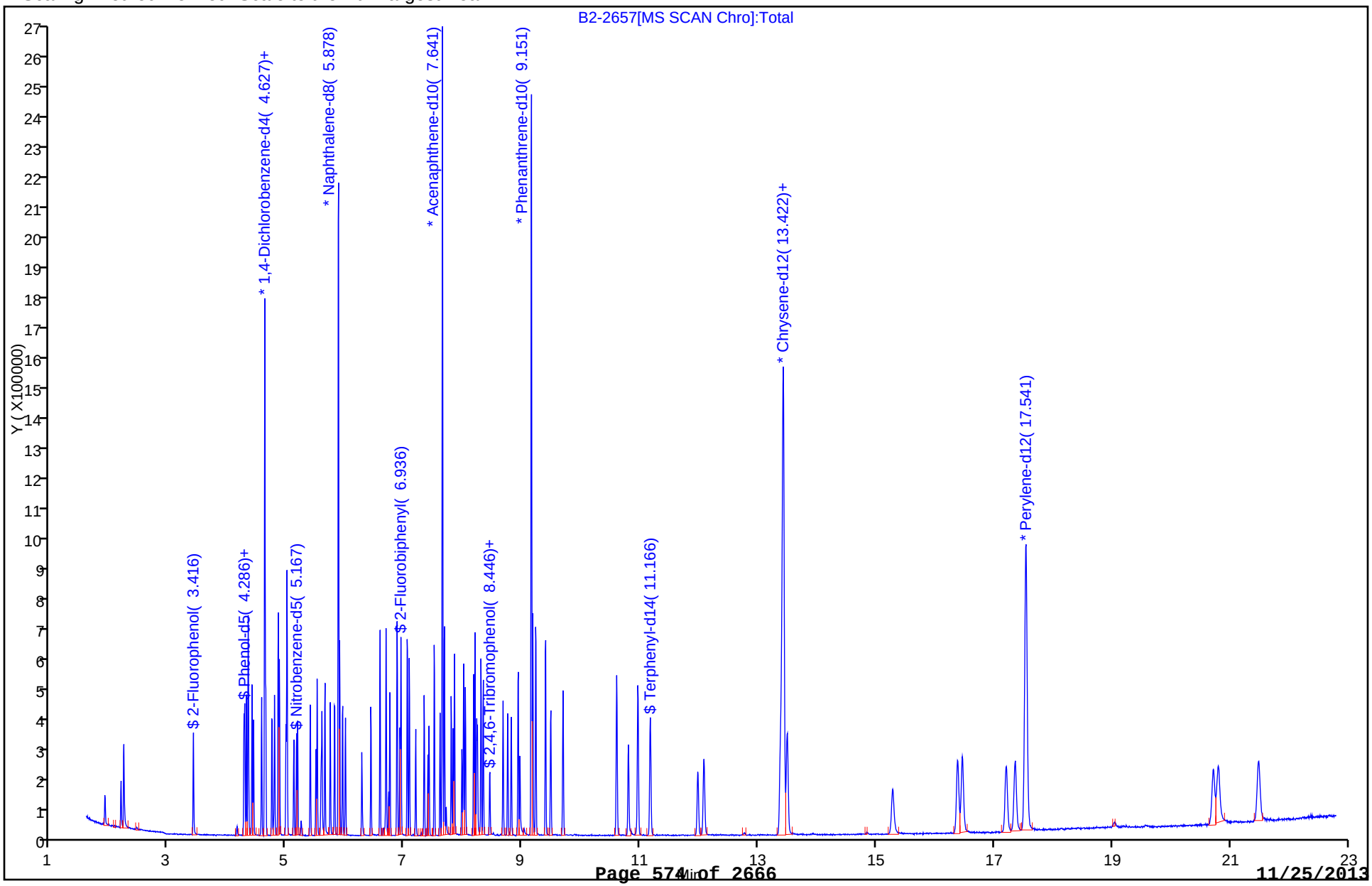
Report Date: 22-Oct-2013 13:24:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2657.D

Injection Date:	22-Oct-2013 08:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	27
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

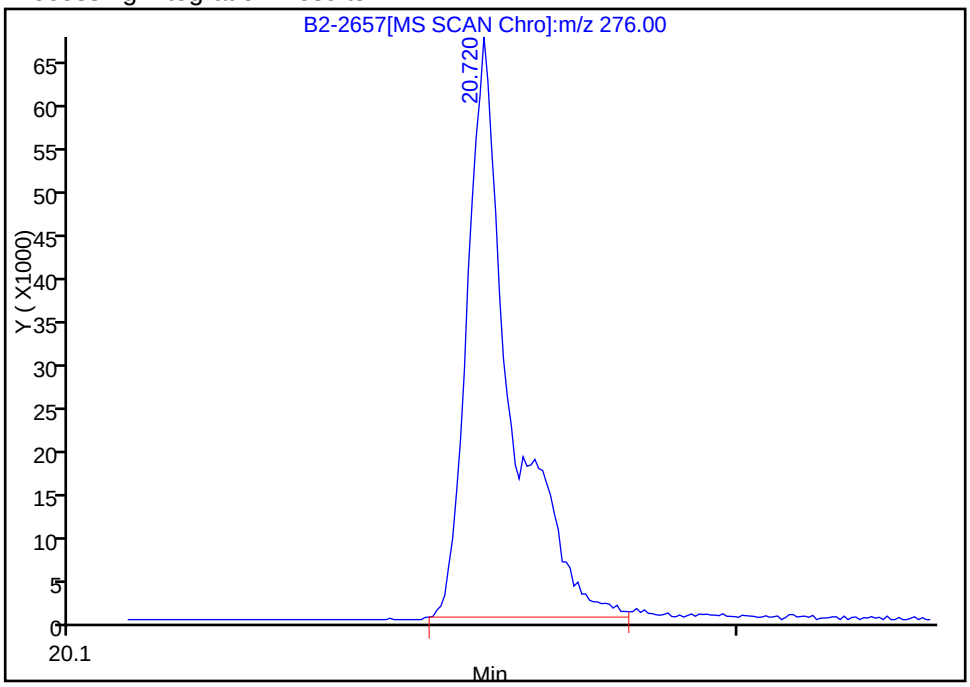
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2657.D		
Injection Date:	22-Oct-2013 08:51:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	27
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

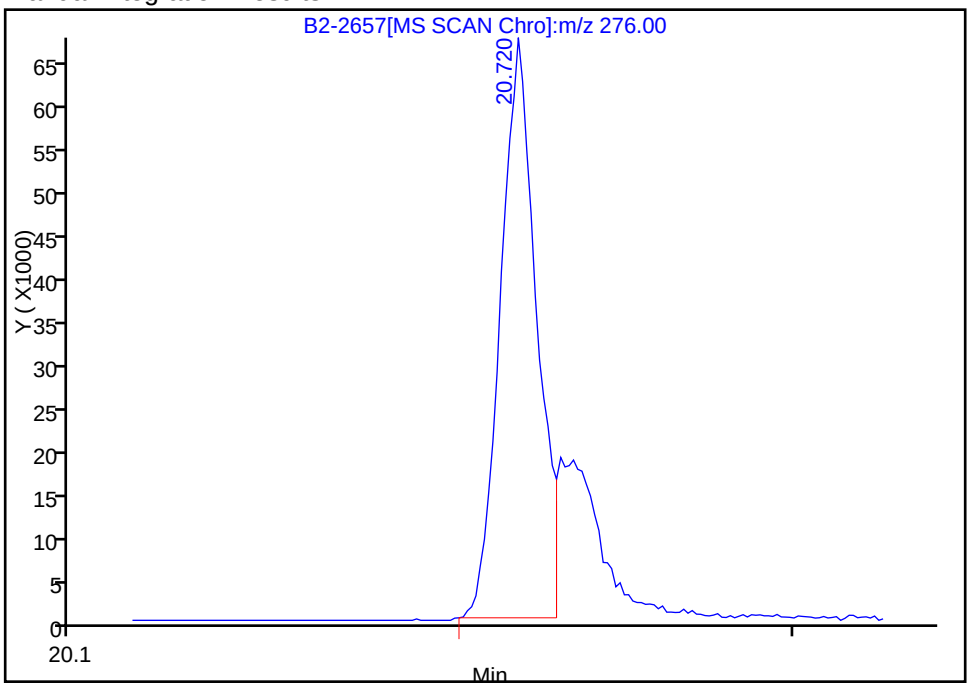
Processing Integration Results

RT: 20.72
Response: 307473
Amount: 10.000000



Manual Integration Results

RT: 20.72
Response: 235472
Amount: 9.415908



Reviewer: kiekeld, 22-Oct-2013 09:24:45
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2658.D
Lims ID: STD020 HSL Client ID:
Inject. Date: 22-Oct-2013 09:22:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD020 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 5
Lims Batch ID: 197081 Lims Sample ID: 28
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:22 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 09:59:15

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	92	207957	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	99	835404	40.0	
* 3 Acenaphthene-d10	164	7.639	7.645	-0.006	99	490089	40.0	
* 4 Phenanthrene-d10	188	9.149	9.155	-0.006	99	837029	40.0	
* 5 Chrysene-d12	240	13.427	13.432	-0.005	83	948425	40.0	
* 6 Perylene-d12	264	17.540	17.545	-0.005	97	920359	40.0	
$ 7 2-Fluorophenol	112	3.415	3.414	0.001	96	147462	20.2	
$ 8 Phenol-d5	99	4.273	4.272	0.001	100	191840	20.3	
$ 9 Nitrobenzene-d5	82	5.166	5.171	-0.005	97	161420	19.8	
$ 11 2-Fluorobiphenyl	172	6.940	6.940	0.0	98	323929	20.1	
$ 12 2,4,6-Tribromophenol	330	8.444	8.450	-0.006	93	44305	19.2	
$ 13 Terphenyl-d14	244	11.165	11.170	-0.005	99	371989	19.7	
19 1,4-Dioxane	88	1.917	1.916	0.001	96	63461	20.5	
20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	98	96764	19.9	
21 Pyridine	79	2.234	2.233	0.001	96	171177	20.0	
32 Phenol	94	4.285	4.284	0.0	92	194715	19.9	
34 Aniline	93	4.314	4.319	-0.005	99	244033	20.2	
35 Alpha Methyl Styrene	118	4.343	4.349	-0.006	93	152567	20.3	
36 Bis(2-chloroethyl)ether	93	4.349	4.354	-0.005	92	150661	20.4	
38 n-Decane	43	4.408	4.413	-0.005	96	156038	20.5	
39 2-Chlorophenol	128	4.437	4.437	0.0	96	156362	20.2	
40 1,3-Dichlorobenzene	146	4.572	4.578	-0.006	97	167177	20.3	
42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	98	172697	20.3	
43 Benzyl alcohol	108	4.749	4.754	-0.005	98	97324	19.7	
44 1,2-Dichlorobenzene	146	4.790	4.795	-0.005	96	160165	20.0	
45 2-Methylphenol	108	4.854	4.860	-0.006	98	143014	20.4	
46 2,2'-oxybis[1-chloropropane]	45	4.854	4.860	-0.006	87	213430	20.7	
47 Indene	116	4.872	4.877	-0.005	93	252161	20.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.001	5.007	-0.006	84	151273	20.4	
50 3-Methylphenol	108	5.001	5.007	-0.006	87	151273	20.4	
51 4-Methylphenol	108	5.001	5.007	-0.006	96	151273	20.4	
52 N-Nitrosodi-n-propylamine	70	4.984	4.989	-0.005	95	109943	20.2	
54 Acetophenone	105	5.007	5.012	-0.005	95	209348	20.4	
58 Hexachloroethane	117	5.119	5.124	-0.005	95	60893	19.9	
59 Nitrobenzene	77	5.183	5.189	-0.006	96	158922	19.7	
63 Isophorone	82	5.401	5.406	-0.005	99	285659	20.1	
64 2-Nitrophenol	139	5.495	5.500	-0.005	92	77361	19.4	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	99	149494	20.1	
68 Benzoic acid	105	5.589	5.629	-0.040	89	135179	36.6	
69 Bis(2-chloroethoxy)methane	93	5.595	5.600	-0.005	92	180376	20.4	
71 3,5-Dimethylphenol	107	5.648	5.653	-0.005	99	156439	20.3	
74 2,4-Dichlorophenol	162	5.736	5.741	-0.005	97	126265	20.2	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	95	139406	20.3	
79 Naphthalene	128	5.900	5.900	0.0	100	441959	20.3	
80 4-Chloroaniline	127	5.947	5.953	-0.006	99	198527	20.0	
83 Hexachlorobutadiene	225	5.994	6.000	-0.006	97	73115	20.3	
86 Caprolactam	55	6.276	6.299	-0.023	93	83735	19.7	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	99	128204	20.1	
93 2-Methylnaphthalene	142	6.582	6.587	-0.005	100	305672	20.4	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	99	285861	20.3	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	95	40039	18.7	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	95	130541	19.7	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	89	81602	19.4	
101 2,3-Dichlorobenzenamine	161	6.876	6.881	-0.005	91	163323	20.4	
102 2,4,5-Trichlorophenol	196	6.917	6.922	-0.005	95	89642	19.7	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	96	367195	20.4	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	285804	20.2	
108 2-Nitroaniline	65	7.187	7.192	-0.005	97	97280	19.9	
111 Dimethyl phthalate	163	7.334	7.339	-0.005	99	311136	20.0	
112 1,3-Dinitrobenzene	168	7.393	7.398	-0.005	81	48623	18.7	
113 2,6-Dinitrotoluene	165	7.416	7.421	-0.005	95	72384	19.5	
114 Acenaphthylene	152	7.504	7.504	0.0	100	468199	20.6	
115 3-Nitroaniline	138	7.598	7.609	-0.011	96	89194	19.7	
117 Acenaphthene	153	7.675	7.680	-0.005	98	296009	20.1	
118 2,4-Dinitrophenol	184	7.704	7.709	-0.005	88	34777	35.2	
119 4-Nitrophenol	109	7.786	7.792	-0.006	96	80028	37.8	
122 2,4-Dinitrotoluene	165	7.822	7.827	-0.005	91	96383	19.8	
123 Dibenzofuran	168	7.845	7.850	-0.005	100	408490	20.3	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	72	68109	19.3	
127 Hexadecane	57	8.004	8.003	0.001	96	230614	20.7	
130 Diethyl phthalate	149	8.033	8.038	-0.005	100	314397	20.3	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	99	147003	19.7	
135 Fluorene	166	8.192	8.197	-0.005	99	342111	20.4	
138 4-Nitroaniline	138	8.221	8.232	-0.011	94	91427	20.4	
139 4,6-Dinitro-2-methylphenol	198	8.239	8.244	-0.005	93	87896	37.6	
141 N-Nitrosodiphenylamine	169	8.297	8.303	-0.006	97	247257	20.3	
143 1,2-Diphenylhydrazine	77	8.333	8.338	-0.005	96	345391	20.7	
144 Azobenzene	77	8.333	8.338	-0.005	96	345391	20.5	
147 2,4,6 - Tribromophenol	330	8.444	8.450	-0.006	93	45516	19.6	
156 4-Bromophenyl phenyl ether	248	8.668	8.673	-0.005	94	88322	19.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.750	8.755	-0.005	96	104267	19.5	
159 Atrazine	200	8.809	8.814	-0.005	93	78127	20.4	
161 n-Octadecane	85	8.926	8.926	0.0	95	77575	20.0	
163 Pentachlorophenol	266	8.956	8.955	0.001	96	78404	36.2	
168 Phenanthrene	178	9.173	9.178	-0.005	99	476447	20.1	
169 Anthracene	178	9.226	9.231	-0.005	100	500173	20.5	
170 Carbazole	167	9.390	9.396	-0.006	100	490127	20.6	
171 Alachlor	188	9.478	9.484	-0.006	93	58550	20.0	
173 Di-n-butyl phthalate	149	9.684	9.689	-0.005	100	526769	20.2	
179 Fluoranthene	202	10.595	10.600	-0.005	97	518221	20.1	
181 Benzidine	184	10.795	10.800	-0.005	68	312048	21.0	
182 Pyrene	202	10.959	10.964	-0.005	99	542795	20.0	
188 Famphur	218	11.975	11.981	-0.006	97	180788	21.5	
190 Butyl benzyl phthalate	149	12.075	12.081	-0.006	97	232049	19.7	
195 Bis(2-ethylhexyl) phthalate	149	13.409	13.414	-0.005	93	307446	19.5	
197 3,3'-Dichlorobenzidine	252	13.368	13.379	-0.011	97	194054	19.9	
198 Benzo[a]anthracene	228	13.397	13.409	-0.011	98	518725	20.1	
199 Chrysene	228	13.491	13.503	-0.011	99	491885	20.1	
201 Di-n-octyl phthalate	149	15.272	15.283	-0.011	99	462899	18.7	
203 Benzo[b]fluoranthene	252	16.376	16.399	-0.023	96	505619	19.9	
204 Benzo[k]fluoranthene	252	16.458	16.476	-0.018	96	524630	19.5	
206 Benzo[e]pyrene	252	17.205	17.216	-0.011	95	439607	19.6	
207 Benzo[a]pyrene	252	17.357	17.374	-0.017	98	497838	19.5	
213 Dibenz(a,h)anthracene	278	20.806	20.817	-0.011	75	458811	19.2	
214 Indeno[1,2,3-cd]pyrene	276	20.724	20.735	-0.011	61	472347	20.5	
215 Benzo[g,h,i]perylene	276	21.488	21.505	-0.017	96	511129	20.1	
S 217 Total Cresols	108				0		40.8	
S 218 Methyl Phenols,Total	108				0		40.8	

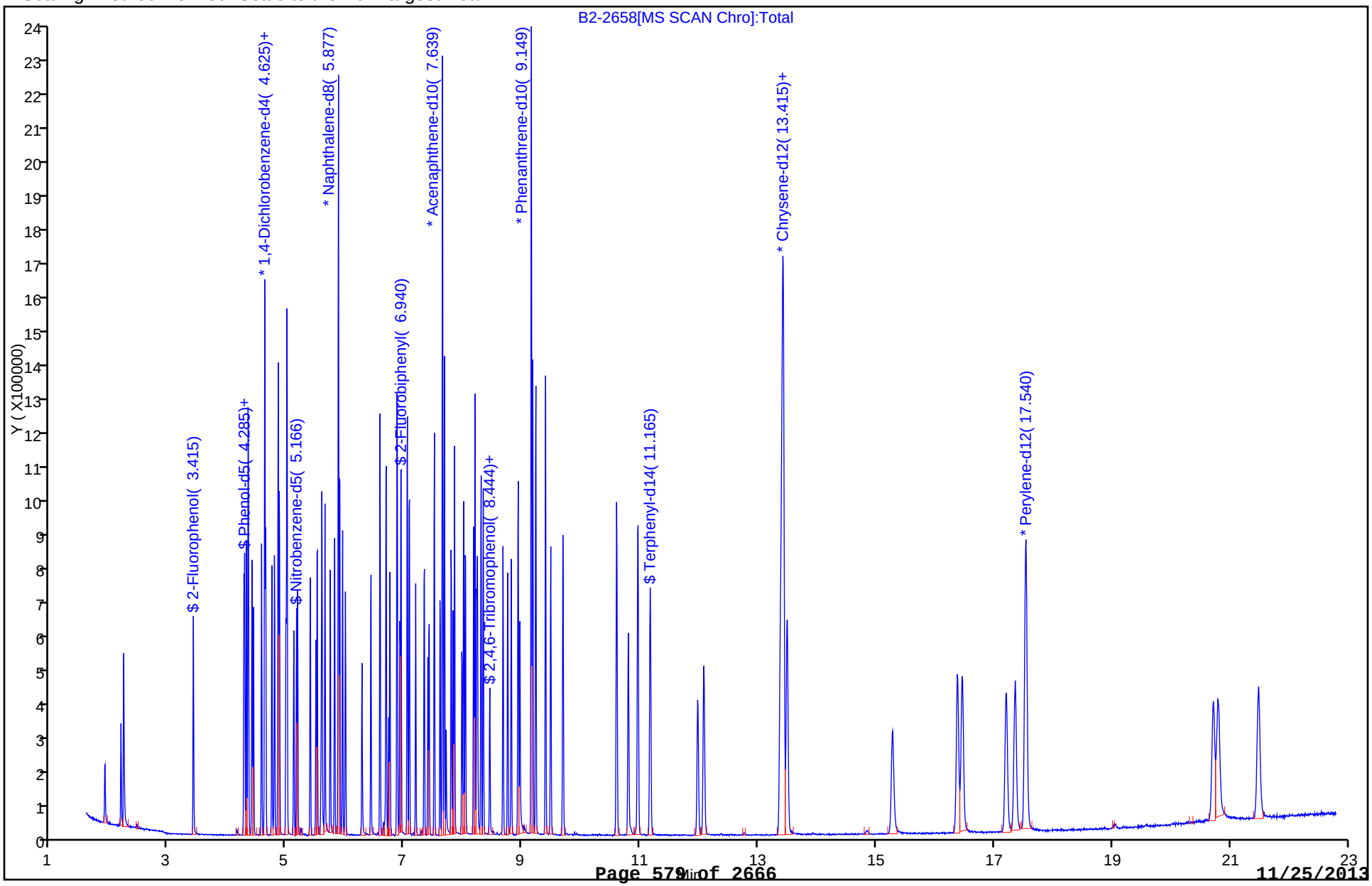
Report Date: 22-Oct-2013 13:24:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2658.D

Injection Date:	22-Oct-2013 09:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	28
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2659.D
Lims ID: STD050 HSL Client ID:
Inject. Date: 22-Oct-2013 09:52:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD050 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 6
Lims Batch ID: 197081 Lims Sample ID: 29
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:22 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 10:53:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.631	-0.005	92	210877	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	99	840686	40.0	
* 3 Acenaphthene-d10	164	7.640	7.645	-0.005	99	496773	40.0	
* 4 Phenanthrene-d10	188	9.150	9.155	-0.005	99	849166	40.0	
* 5 Chrysene-d12	240	13.427	13.432	-0.005	87	952510	40.0	
* 6 Perylene-d12	264	17.540	17.545	-0.005	97	918357	40.0	
$ 7 2-Fluorophenol	112	3.415	3.414	0.001	97	371958	50.2	
$ 8 Phenol-d5	99	4.273	4.272	0.001	99	489592	51.0	
$ 9 Nitrobenzene-d5	82	5.166	5.171	-0.005	96	423728	51.8	
$ 11 2-Fluorobiphenyl	172	6.941	6.940	0.001	99	820911	50.1	
$ 12 2,4,6-Tribromophenol	330	8.445	8.450	-0.005	92	117368	50.2	
$ 13 Terphenyl-d14	244	11.165	11.170	-0.005	99	966990	51.1	
19 1,4-Dioxane	88	1.911	1.916	-0.005	94	156047	49.7	
20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	97	250263	50.8	
21 Pyridine	79	2.229	2.233	-0.005	94	440395	50.7	
32 Phenol	94	4.285	4.284	0.001	92	497492	50.2	
34 Aniline	93	4.314	4.319	-0.005	99	619290	50.5	
35 Alpha Methyl Styrene	118	4.344	4.349	-0.005	92	388134	50.9	
36 Bis(2-chloroethyl)ether	93	4.350	4.354	-0.004	89	385040	51.5	
38 n-Decane	43	4.408	4.413	-0.005	96	381348	49.4	
39 2-Chlorophenol	128	4.438	4.437	0.001	96	395238	50.3	
40 1,3-Dichlorobenzene	146	4.573	4.578	-0.005	98	420887	50.3	
42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	98	428293	49.7	
43 Benzyl alcohol	108	4.749	4.754	-0.005	98	256064	51.1	
44 1,2-Dichlorobenzene	146	4.790	4.795	-0.005	96	409494	50.5	
45 2-Methylphenol	108	4.855	4.860	-0.005	98	359542	50.5	
46 2,2'-oxybis[1-chloropropane]	45	4.855	4.860	-0.005	85	529316	50.7	
47 Indene	116	4.878	4.877	0.001	93	644193	50.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.002	5.007	-0.005	89	378178	50.4	
50 3-Methylphenol	108	5.002	5.007	-0.005	87	378178	50.4	
51 4-Methylphenol	108	5.002	5.007	-0.005	98	378178	50.4	
52 N-Nitrosodi-n-propylamine	70	4.990	4.989	0.001	98	281818	51.2	
54 Acetophenone	105	5.008	5.012	-0.004	95	534529	51.3	
58 Hexachloroethane	117	5.119	5.124	-0.005	96	156661	50.4	
59 Nitrobenzene	77	5.184	5.189	-0.005	96	418381	51.5	
63 Isophorone	82	5.401	5.406	-0.005	99	730888	51.2	
64 2-Nitrophenol	139	5.495	5.500	-0.005	93	207098	51.5	
65 2,4-Dimethylphenol	107	5.519	5.518	0.001	99	382948	51.3	
68 Benzoic acid	105	5.613	5.629	-0.016	97	425592	91.6	
69 Bis(2-chloroethoxy)methane	93	5.601	5.600	0.001	95	454874	51.1	
71 3,5-Dimethylphenol	107	5.648	5.653	-0.005	99	389652	50.3	
74 2,4-Dichlorophenol	162	5.736	5.741	-0.005	96	318734	50.7	
76 1,2,4-Trichlorobenzene	180	5.813	5.817	-0.004	94	346387	50.0	
79 Naphthalene	128	5.901	5.900	0.001	100	1115768	50.9	
80 4-Chloroaniline	127	5.948	5.953	-0.005	99	505413	50.7	
83 Hexachlorobutadiene	225	5.995	6.000	-0.005	97	183699	50.7	
86 Caprolactam	55	6.288	6.299	-0.011	93	217584	50.9	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	99	335337	52.2	
93 2-Methylnaphthalene	142	6.582	6.587	-0.005	96	773790	51.3	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	99	728260	51.3	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	97	141549	45.6	
98 1,2,4,5-Tetrachlorobenzene	216	6.753	6.752	0.001	95	334380	50.2	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	93	219723	51.5	
101 2,3-Dichlorobenzenamine	161	6.876	6.881	-0.005	94	406030	50.1	
102 2,4,5-Trichlorophenol	196	6.917	6.922	-0.005	94	234960	51.0	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	96	910108	49.9	
106 2-Chloronaphthalene	162	7.082	7.081	0.001	100	727440	50.8	
108 2-Nitroaniline	65	7.187	7.192	-0.005	94	258179	52.2	
111 Dimethyl phthalate	163	7.334	7.339	-0.005	99	800710	50.8	
112 1,3-Dinitrobenzene	168	7.399	7.398	0.001	84	139813	53.0	
113 2,6-Dinitrotoluene	165	7.417	7.421	-0.004	93	192836	51.2	
114 Acenaphthylene	152	7.505	7.504	0.001	100	1173119	50.9	
115 3-Nitroaniline	138	7.605	7.609	-0.004	97	238618	52.0	
117 Acenaphthene	153	7.675	7.680	-0.005	99	751046	50.4	
118 2,4-Dinitrophenol	184	7.704	7.709	-0.005	91	158180	87.7	
119 4-Nitrophenol	109	7.787	7.792	-0.005	97	226164	105.4	
122 2,4-Dinitrotoluene	165	7.828	7.827	0.001	95	258268	52.4	
123 Dibenzofuran	168	7.845	7.850	-0.005	99	1022233	50.1	
125 2,3,4,6-Tetrachlorophenol	232	7.975	7.974	0.001	72	178407	49.8	
127 Hexadecane	57	8.004	8.003	0.001	96	584568	51.8	
130 Diethyl phthalate	149	8.033	8.038	-0.005	100	796915	50.7	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	99	380042	50.1	
135 Fluorene	166	8.192	8.197	-0.005	99	859286	50.5	
138 4-Nitroaniline	138	8.227	8.232	-0.005	95	238785	52.6	
139 4,6-Dinitro-2-methylphenol	198	8.239	8.244	-0.005	91	272678	98.1	
141 N-Nitrosodiphenylamine	169	8.298	8.303	-0.005	97	623138	50.4	
143 1,2-Diphenylhydrazine	77	8.333	8.338	-0.005	96	880219	52.1	
144 Azobenzene	77	8.333	8.338	-0.005	96	880219	51.5	
147 2,4,6 - Tribromophenol	330	8.445	8.450	-0.005	92	120088	50.9	
156 4-Bromophenyl phenyl ether	248	8.668	8.673	-0.005	95	231931	50.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.750	8.755	-0.005	97	273078	50.3	
159 Atrazine	200	8.809	8.814	-0.005	92	201381	51.9	
161 n-Octadecane	85	8.927	8.926	0.001	96	199395	50.6	
163 Pentachlorophenol	266	8.956	8.955	0.001	97	256435	93.8	
168 Phenanthrene	178	9.173	9.178	-0.005	99	1228215	51.0	
169 Anthracene	178	9.226	9.231	-0.005	100	1263169	51.0	
170 Carbazole	167	9.391	9.396	-0.005	100	1244118	51.6	
171 Alachlor	188	9.479	9.484	-0.005	93	156826	52.7	
173 Di-n-butyl phthalate	149	9.684	9.689	-0.005	100	1369687	51.8	
179 Fluoranthene	202	10.595	10.600	-0.005	99	1332769	50.9	
181 Benzidine	184	10.795	10.800	-0.005	74	824170	55.1	
182 Pyrene	202	10.959	10.964	-0.005	99	1396754	51.3	
188 Famphur	218	11.976	11.981	-0.005	98	469320	55.6	
190 Butyl benzyl phthalate	149	12.076	12.081	-0.005	98	625455	52.8	
195 Bis(2-ethylhexyl) phthalate	149	13.410	13.414	-0.004	94	840580	53.2	
197 3,3'-Dichlorobenzidine	252	13.374	13.379	-0.005	98	515154	52.5	
198 Benzo[a]anthracene	228	13.398	13.409	-0.010	99	1314792	50.8	
199 Chrysene	228	13.492	13.503	-0.010	99	1247747	50.7	
201 Di-n-octyl phthalate	149	15.278	15.283	-0.005	99	1322393	50.2	
203 Benzo[b]fluoranthene	252	16.382	16.399	-0.017	96	1294840	51.0	
204 Benzo[k]fluoranthene	252	16.465	16.476	-0.011	98	1387428	51.6	
206 Benzo[e]pyrene	252	17.211	17.216	-0.005	97	1137509	50.9	
207 Benzo[a]pyrene	252	17.364	17.374	-0.010	99	1303040	51.3	
213 Dibenz(a,h)anthracene	278	20.807	20.817	-0.010	74	1227209	51.4	
214 Indeno[1,2,3-cd]pyrene	276	20.724	20.735	-0.011	64	1186673	51.3	M
215 Benzo[g,h,i]perylene	276	21.500	21.505	-0.005	96	1270282	50.2	
S 217 Total Cresols	108				0		100.9	
S 218 Methyl Phenols,Total	108				0		100.9	

QC Flag Legend

Review Flags
M - Manually Integrated

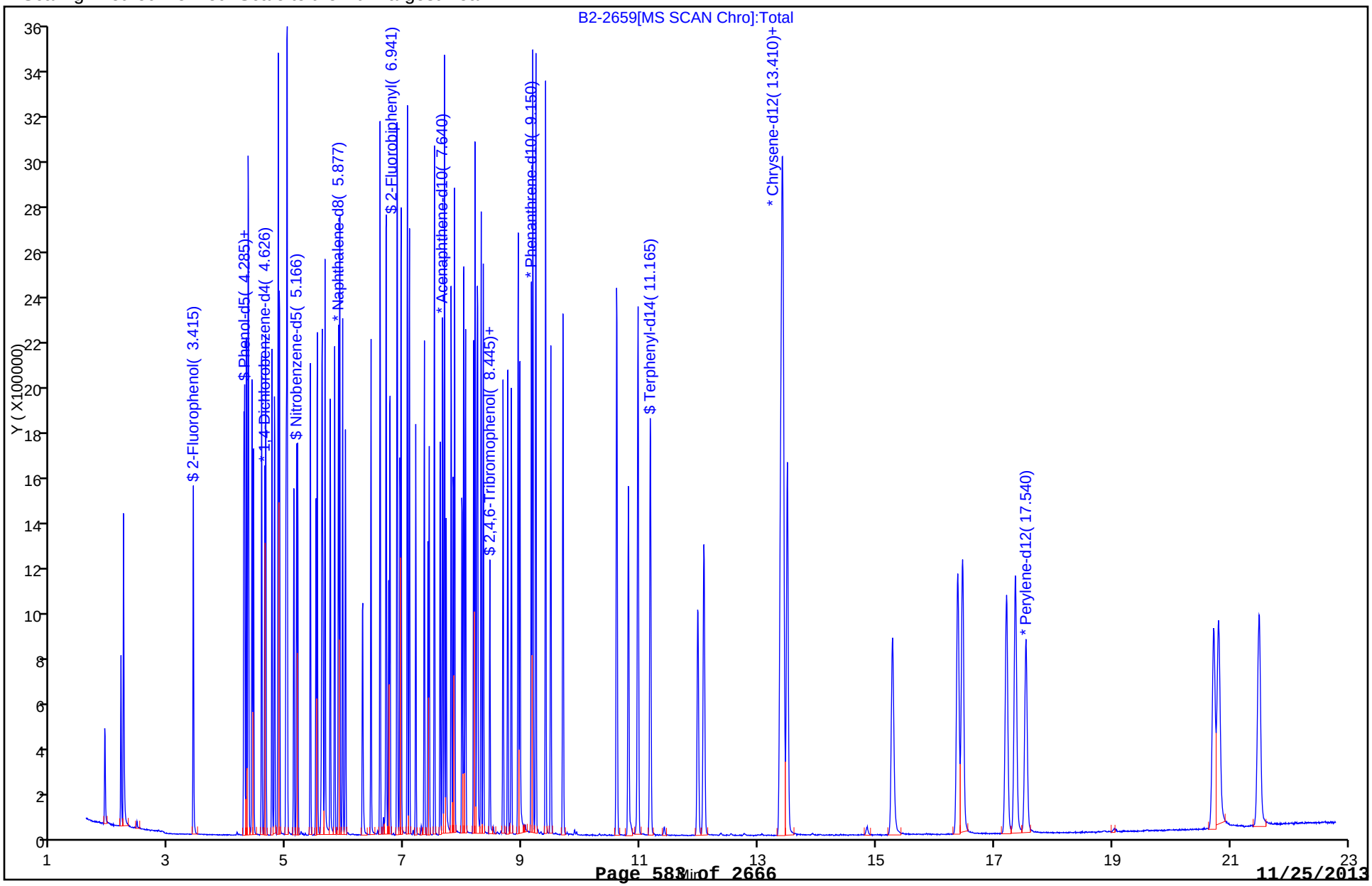
Report Date: 22-Oct-2013 13:24:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2659.D

Injection Date:	22-Oct-2013 09:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

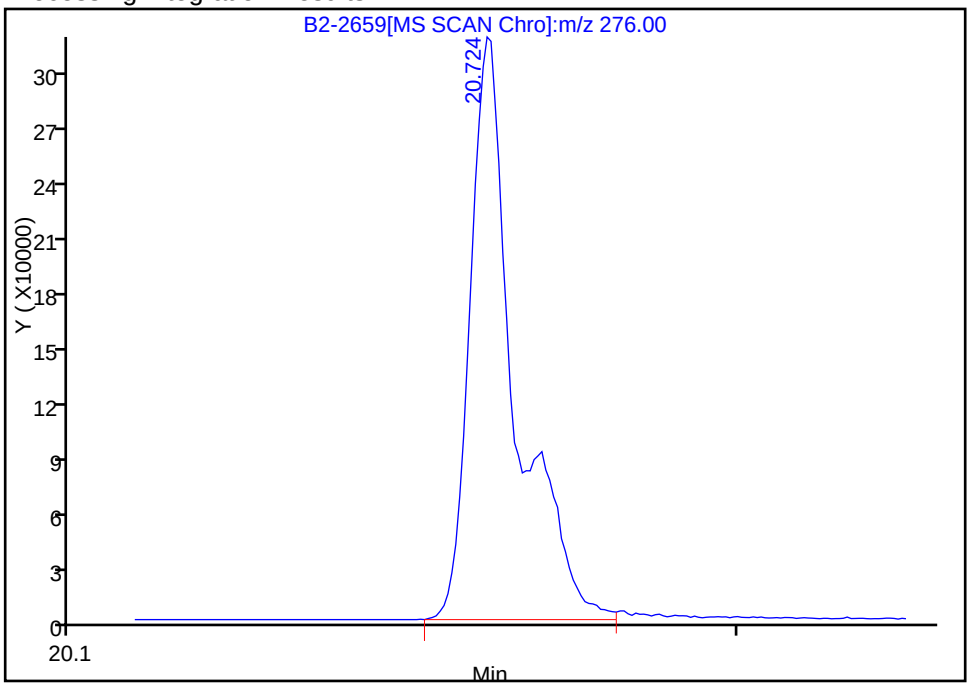
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2659.D		
Injection Date:	22-Oct-2013 09:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

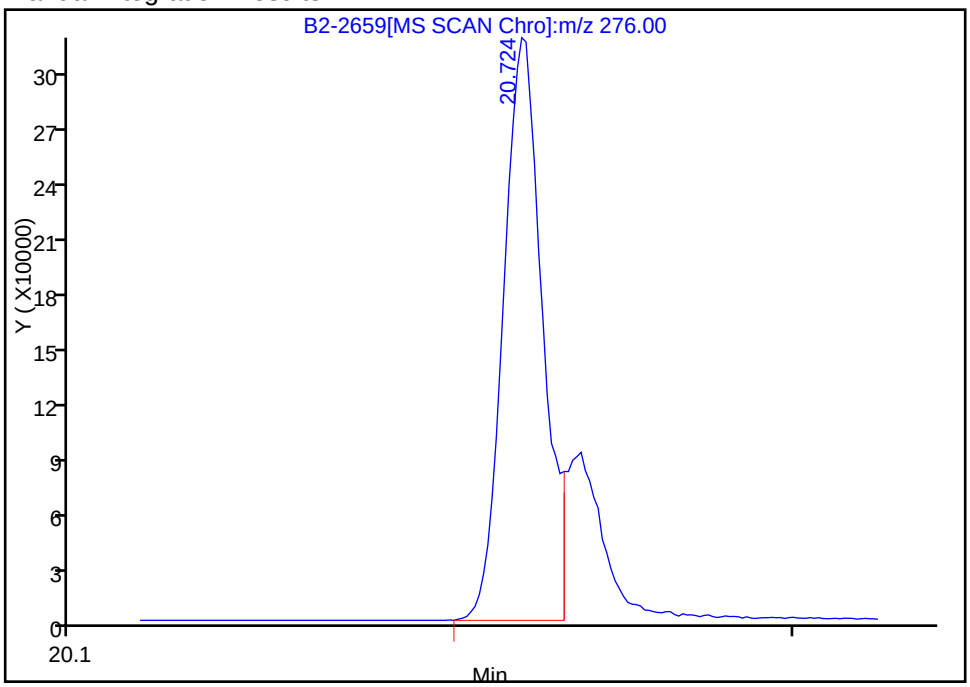
Processing Integration Results

RT: 20.72
Response: 1484528
Amount: 60.013676



Manual Integration Results

RT: 20.72
Response: 1186673
Amount: 51.278795



Reviewer: kiekeld, 22-Oct-2013 10:53:56
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2660.D
Lims ID: STD120 HSL Client ID:
Inject. Date: 22-Oct-2013 10:22:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD120 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 7
Lims Batch ID: 197081 Lims Sample ID: 30
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:23 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 10:58:56

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	91	222144	40.0	
* 2 Naphthalene-d8	136	5.876	5.876	0.0	99	909174	40.0	
* 3 Acenaphthene-d10	164	7.645	7.645	0.0	99	535206	40.0	
* 4 Phenanthrene-d10	188	9.149	9.155	-0.006	98	913760	40.0	
* 5 Chrysene-d12	240	13.432	13.432	0.0	97	1016642	40.0	
* 6 Perylene-d12	264	17.545	17.545	0.0	98	959233	40.0	
$ 7 2-Fluorophenol	112	3.414	3.414	0.0	97	915649	117.3	
$ 8 Phenol-d5	99	4.272	4.272	0.0	100	1178276	116.6	
$ 9 Nitrobenzene-d5	82	5.171	5.171	0.0	97	1034021	116.8	
$ 11 2-Fluorobiphenyl	172	6.939	6.940	-0.001	99	2011339	114.0	
$ 12 2,4,6-Tribromophenol	330	8.449	8.450	-0.001	98	322150	127.9	
$ 13 Terphenyl-d14	244	11.170	11.170	0.0	99	2394491	118.6	
19 1,4-Dioxane	88	1.916	1.916	0.0	96	380403	115.0	
20 N-Nitrosodimethylamine	74	2.186	2.192	-0.006	99	607993	117.1	
21 Pyridine	79	2.227	2.233	-0.006	96	1071272	117.1	
32 Phenol	94	4.284	4.284	0.0	92	1200500	115.1	
34 Aniline	93	4.319	4.319	0.0	99	1500782	116.2	
35 Alpha Methyl Styrene	118	4.343	4.349	-0.007	87	935871	116.4	
36 Bis(2-chloroethyl)ether	93	4.354	4.354	0.0	89	896099	113.8	
38 n-Decane	43	4.413	4.413	0.0	96	915921	112.6	
39 2-Chlorophenol	128	4.437	4.437	-0.001	96	971229	117.3	
40 1,3-Dichlorobenzene	146	4.572	4.578	-0.006	97	1016117	115.3	
42 1,4-Dichlorobenzene	146	4.642	4.648	-0.006	98	1043117	115.0	
43 Benzyl alcohol	108	4.754	4.754	0.0	99	631398	119.6	
44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	98	1002849	117.3	
45 2-Methylphenol	108	4.854	4.860	-0.006	98	874714	116.7	
46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	92	1250108	113.6	
47 Indene	116	4.877	4.877	0.0	93	1558405	116.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.006	5.007	-0.001	82	921727	116.6	
50 3-Methylphenol	108	5.006	5.007	-0.001	92	921727	116.6	
51 4-Methylphenol	108	5.006	5.007	-0.001	96	921727	116.6	
52 N-Nitrosodi-n-propylamine	70	4.989	4.989	0.0	98	688816	118.7	
54 Acetophenone	105	5.012	5.012	0.0	87	1280626	116.8	
58 Hexachloroethane	117	5.118	5.124	-0.006	96	389276	118.9	
59 Nitrobenzene	77	5.189	5.189	0.0	98	1015250	115.6	
63 Isophorone	82	5.400	5.406	-0.006	100	1801129	116.6	
64 2-Nitrophenol	139	5.494	5.500	-0.006	91	536333	123.4	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	98	929889	115.1	
68 Benzoic acid	105	5.647	5.629	0.018	96	1339861	246.1	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	94	1100331	114.3	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	97	959809	114.7	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	97	800751	117.9	
76 1,2,4-Trichlorobenzene	180	5.811	5.817	-0.006	95	850593	113.6	
79 Naphthalene	128	5.900	5.900	0.0	100	2698884	113.9	
80 4-Chloroaniline	127	5.947	5.953	-0.007	100	1259915	116.8	
83 Hexachlorobutadiene	225	5.994	6.000	-0.006	97	451269	115.2	
86 Caprolactam	55	6.305	6.299	0.006	95	554446	120.0	
89 4-Chloro-3-methylphenol	107	6.428	6.434	-0.006	98	813670	117.2	
93 2-Methylnaphthalene	142	6.581	6.587	-0.006	100	1890275	115.9	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	99	1784133	116.1	
97 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	97	431474	114.7	
98 1,2,4,5-Tetrachlorobenzene	216	6.751	6.752	-0.001	96	838455	116.4	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	94	555652	120.8	
101 2,3-Dichlorobenzenamine	161	6.875	6.881	-0.006	98	1001439	114.6	
102 2,4,5-Trichlorophenol	196	6.922	6.922	0.0	98	612175	123.2	
104 1,1'-Biphenyl	154	7.045	7.051	-0.006	96	2265700	115.4	
106 2-Chloronaphthalene	162	7.080	7.081	-0.001	99	1765470	114.4	
108 2-Nitroaniline	65	7.192	7.192	0.0	97	644702	121.0	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	2000916	117.9	
112 1,3-Dinitrobenzene	168	7.398	7.398	0.0	83	368157	129.6	
113 2,6-Dinitrotoluene	165	7.421	7.421	0.0	97	491385	121.0	
114 Acenaphthylene	152	7.504	7.504	0.0	99	2894002	116.5	
115 3-Nitroaniline	138	7.609	7.609	0.0	98	600145	121.5	
117 Acenaphthene	153	7.680	7.680	0.0	99	1840366	114.7	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	95	535326	232.3	
119 4-Nitrophenol	109	7.791	7.792	-0.001	97	582487	251.9	
122 2,4-Dinitrotoluene	165	7.827	7.827	0.0	94	670265	126.2	
123 Dibenzofuran	168	7.850	7.850	0.0	100	2484095	113.1	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	72	493394	127.9	
127 Hexadecane	57	8.003	8.003	0.0	97	1391855	114.5	
130 Diethyl phthalate	149	8.038	8.038	0.0	100	1970739	116.3	
134 4-Chlorophenyl phenyl ether	204	8.173	8.173	0.0	98	951392	116.5	
135 Fluorene	166	8.197	8.197	0.0	99	2097330	114.4	
138 4-Nitroaniline	138	8.238	8.232	0.006	93	593419	121.2	
139 4,6-Dinitro-2-methylphenol	198	8.244	8.244	0.0	88	764490	242.4	
141 N-Nitrosodiphenylamine	169	8.297	8.303	-0.006	97	1544988	116.2	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	97	2133621	117.1	
144 Azobenzene	77	8.338	8.338	0.0	97	2133621	115.8	
147 2,4,6 - Tribromophenol	330	8.449	8.450	-0.001	98	322150	126.7	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	98	579999	117.3	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.749	8.755	-0.006	97	682983	116.8	
159 Atrazine	200	8.814	8.814	0.0	93	490313	117.4	
161 n-Octadecane	85	8.925	8.926	-0.001	96	503093	118.6	
163 Pentachlorophenol	266	8.955	8.955	0.0	97	770693	243.4	
168 Phenanthrene	178	9.178	9.178	0.0	100	2991160	115.3	
169 Anthracene	178	9.231	9.231	0.0	100	3095621	116.1	
170 Carbazole	167	9.395	9.396	-0.001	100	3006745	115.8	
171 Alachlor	188	9.478	9.484	-0.006	95	391830	122.3	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	3382093	118.9	
179 Fluoranthene	202	10.600	10.600	0.0	100	3306175	117.4	
181 Benzidine	184	10.800	10.800	0.0	69	1929699	121.0	
182 Pyrene	202	10.964	10.964	0.0	99	3435030	118.1	
188 Famphur	218	11.981	11.981	0.0	98	1043929	116.0	
190 Butyl benzyl phthalate	149	12.080	12.081	-0.001	98	1557718	123.3	
195 Bis(2-ethylhexyl) phthalate	149	13.414	13.414	0.0	95	2081266	123.3	
197 3,3'-Dichlorobenzidine	252	13.379	13.379	0.0	98	1289247	123.1	
198 Benzo[a]anthracene	228	13.402	13.409	-0.006	99	3243521	117.4	
199 Chrysene	228	13.502	13.503	0.0	99	3067058	116.8	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	99	3454596	120.5	
203 Benzo[b]fluoranthene	252	16.399	16.399	0.0	96	3203791	120.7	
204 Benzo[k]fluoranthene	252	16.475	16.476	-0.001	97	3410931	121.4	
206 Benzo[e]pyrene	252	17.222	17.216	0.006	98	2790978	119.6	
207 Benzo[a]pyrene	252	17.374	17.374	0.0	99	3238050	122.0	
213 Dibenz(a,h)anthracene	278	20.823	20.817	0.006	73	3048761	122.3	
214 Indeno[1,2,3-cd]pyrene	276	20.747	20.735	0.012	66	2904372	117.6	M
215 Benzo[g,h,i]perylene	276	21.516	21.505	0.011	96	3135205	118.5	
S 217 Total Cresols	108				0		233.3	
S 218 Methyl Phenols,Total	108				0		233.3	

QC Flag Legend

Review Flags
M - Manually Integrated

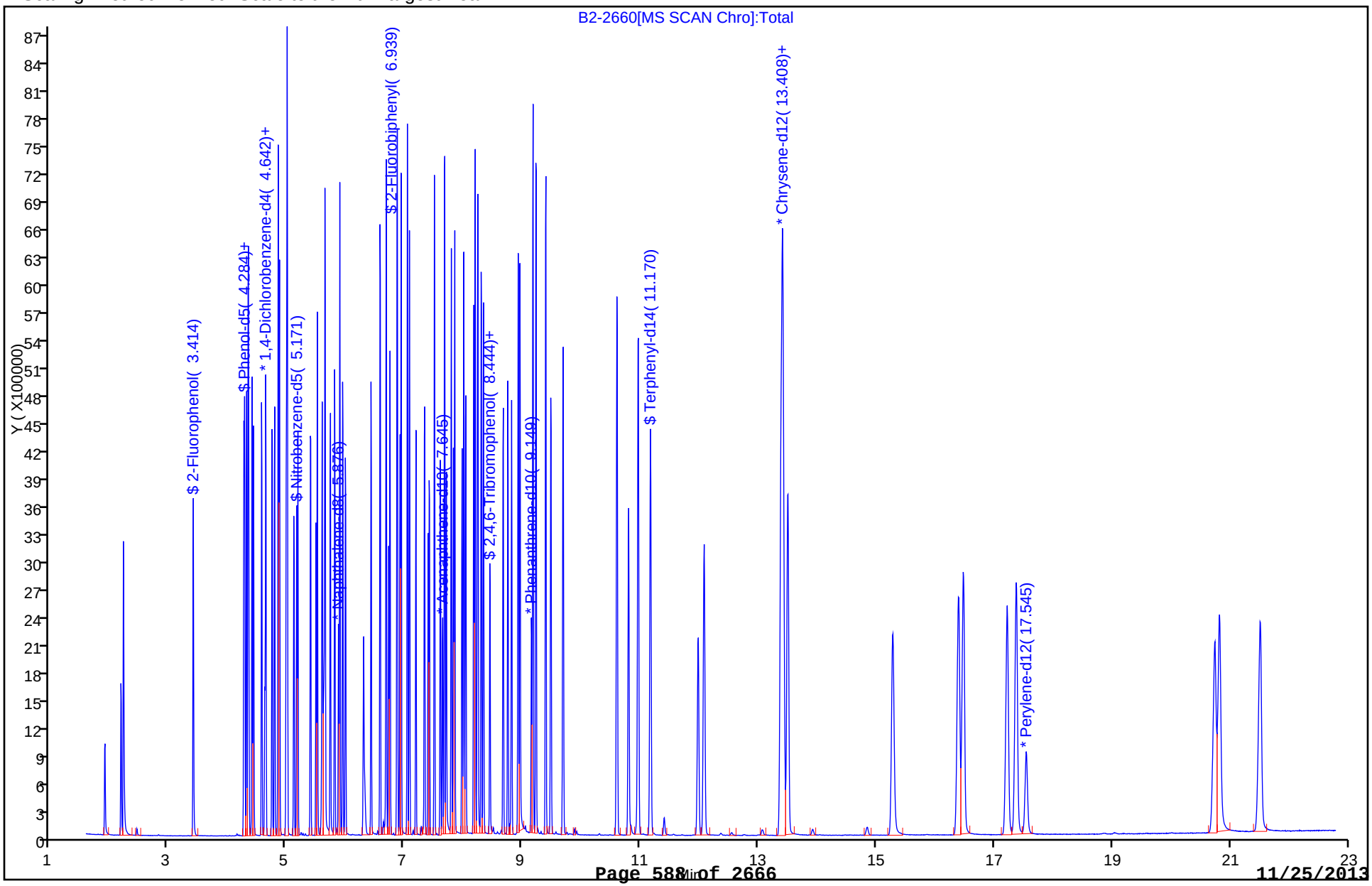
Report Date: 22-Oct-2013 13:24:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2660.D

Injection Date:	22-Oct-2013 10:22:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	30
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

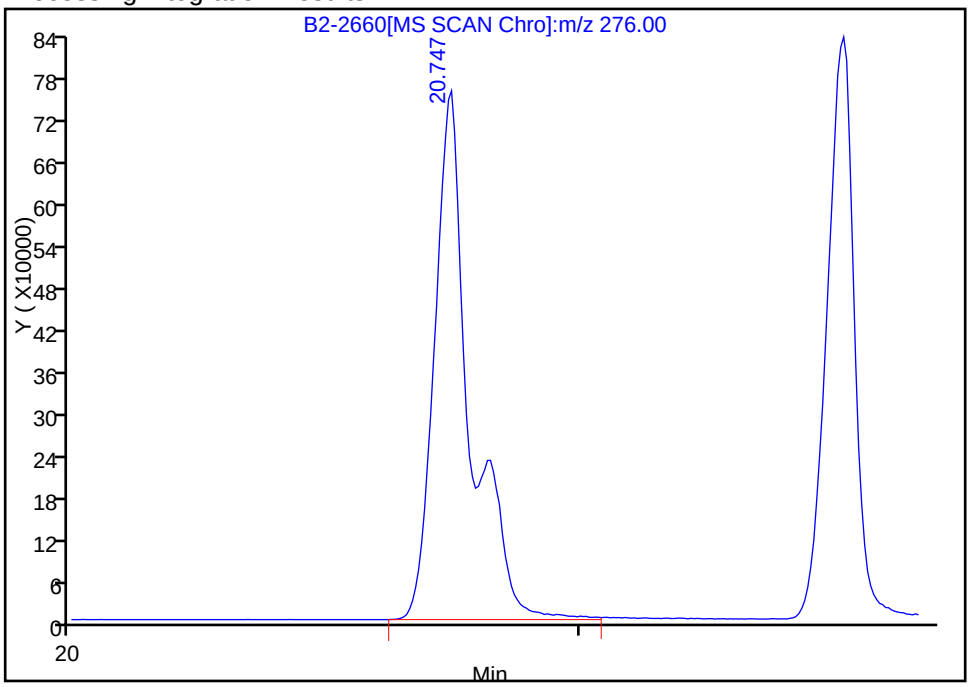
TestAmerica Denver

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Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	30
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

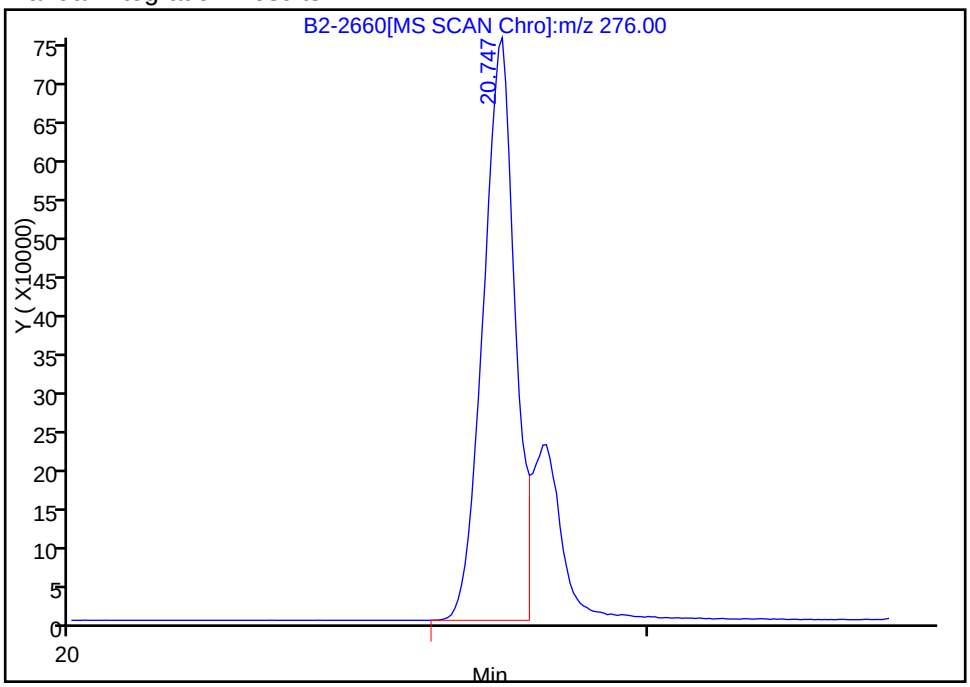
Processing Integration Results

RT: 20.75
Response: 3694358
Amount: 145.7784



Manual Integration Results

RT: 20.75
Response: 2904372
Amount: 117.5873



Reviewer: kiekeld, 22-Oct-2013 10:58:56
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2661.D
Lims ID: STD160 HSL Client ID:
Inject. Date: 22-Oct-2013 10:53:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD160 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 8
Lims Batch ID: 197081 Lims Sample ID: 31
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:24 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:40:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.630	4.631	-0.001	94	225521	40.0	
* 2 Naphthalene-d8	136	5.876	5.876	0.0	98	912821	40.0	
* 3 Acenaphthene-d10	164	7.644	7.645	-0.001	99	537781	40.0	
* 4 Phenanthrene-d10	188	9.154	9.155	-0.001	99	913426	40.0	
* 5 Chrysene-d12	240	13.437	13.432	0.005	97	999267	40.0	
* 6 Perylene-d12	264	17.550	17.545	0.005	99	957448	40.0	
$ 7 2-Fluorophenol	112	3.414	3.414	0.0	97	1254015	158.3	
$ 8 Phenol-d5	99	4.272	4.272	0.0	99	1618247	157.7	
$ 9 Nitrobenzene-d5	82	5.171	5.171	0.0	97	1425240	160.3	
$ 11 2-Fluorobiphenyl	172	6.939	6.940	-0.001	99	2768189	156.2	
$ 12 2,4,6-Tribromophenol	330	8.449	8.450	-0.001	97	438926	173.5	
$ 13 Terphenyl-d14	244	11.170	11.170	0.0	99	3285117	165.5	
19 1,4-Dioxane	88	1.916	1.916	0.0	97	519812	154.8	
20 N-Nitrosodimethylamine	74	2.192	2.192	0.0	100	820992	155.8	
21 Pyridine	79	2.227	2.233	-0.006	96	1473682	158.7	
32 Phenol	94	4.284	4.284	0.0	93	1667501	157.4	
34 Aniline	93	4.319	4.319	0.0	99	2072164	158.0	
35 Alpha Methyl Styrene	118	4.348	4.349	-0.001	93	1288360	157.9	
36 Bis(2-chloroethyl)ether	93	4.360	4.354	0.006	82	1243500	155.6	
38 n-Decane	43	4.413	4.413	0.0	96	1235294	149.6	
39 2-Chlorophenol	128	4.436	4.437	-0.001	97	1336321	159.0	
40 1,3-Dichlorobenzene	146	4.577	4.578	-0.001	98	1399455	156.5	
42 1,4-Dichlorobenzene	146	4.642	4.648	-0.006	97	1435108	155.9	
43 Benzyl alcohol	108	4.754	4.754	0.0	99	878326	163.9	
44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	98	1373271	158.2	
45 2-Methylphenol	108	4.859	4.860	-0.001	99	1218958	160.2	
46 2,2'-oxybis[1-chloropropane]	45	4.859	4.860	-0.001	89	1675629	150.0	
47 Indene	116	4.877	4.877	0.0	93	2133626	157.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.006	5.007	-0.001	90	1252040	156.0	
50 3-Methylphenol	108	5.006	5.007	-0.001	92	1252040	156.0	
51 4-Methylphenol	108	5.006	5.007	-0.001	97	1252040	156.0	
52 N-Nitrosodi-n-propylamine	70	4.994	4.989	0.005	96	929594	157.8	
54 Acetophenone	105	5.012	5.012	0.0	90	1753076	157.5	
58 Hexachloroethane	117	5.118	5.124	-0.006	96	535556	161.1	
59 Nitrobenzene	77	5.188	5.189	-0.001	97	1388172	157.4	
63 Isophorone	82	5.406	5.406	0.0	99	2447631	157.8	
64 2-Nitrophenol	139	5.500	5.500	0.0	97	747791	171.4	
65 2,4-Dimethylphenol	107	5.517	5.518	-0.001	99	1294539	159.6	
68 Benzoic acid	105	5.658	5.629	0.029	96	1887599	341.1	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	93	1499180	155.1	
71 3,5-Dimethylphenol	107	5.652	5.653	-0.001	94	1325316	157.7	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	97	1098790	161.1	
76 1,2,4-Trichlorobenzene	180	5.817	5.817	0.0	96	1179066	156.9	
79 Naphthalene	128	5.899	5.900	-0.001	100	3688701	155.0	
80 4-Chloroaniline	127	5.952	5.953	-0.001	100	1729238	159.6	
83 Hexachlorobutadiene	225	5.999	6.000	-0.001	98	632955	160.9	
86 Caprolactam	55	6.311	6.299	0.012	95	755535	162.9	
89 4-Chloro-3-methylphenol	107	6.434	6.434	0.0	99	1130516	162.1	
93 2-Methylnaphthalene	142	6.587	6.587	0.0	100	2595853	158.6	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	99	2411360	156.3	
97 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	98	646781	167.2	
98 1,2,4,5-Tetrachlorobenzene	216	6.751	6.752	-0.001	96	1155801	159.8	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	92	770490	166.7	
101 2,3-Dichlorobenzenamine	161	6.880	6.881	-0.001	92	1358675	154.8	
102 2,4,5-Trichlorophenol	196	6.922	6.922	0.0	97	841699	168.6	
104 1,1'-Biphenyl	154	7.051	7.051	0.0	96	3047880	154.4	
106 2-Chloronaphthalene	162	7.086	7.081	0.005	100	2438466	157.2	
108 2-Nitroaniline	65	7.192	7.192	0.0	96	886902	165.7	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	2705651	158.6	
112 1,3-Dinitrobenzene	168	7.403	7.398	0.005	82	510814	179.0	
113 2,6-Dinitrotoluene	165	7.421	7.421	0.0	94	685190	168.0	
114 Acenaphthylene	152	7.509	7.504	0.005	100	3926642	157.4	
115 3-Nitroaniline	138	7.609	7.609	0.0	97	829204	167.0	
117 Acenaphthene	153	7.680	7.680	0.0	99	2525796	156.7	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	92	796949	334.4	
119 4-Nitrophenol	109	7.797	7.792	0.005	98	810740	349.0	
122 2,4-Dinitrotoluene	165	7.832	7.827	0.005	96	902616	169.2	
123 Dibenzofuran	168	7.850	7.850	0.0	99	3412479	154.6	
125 2,3,4,6-Tetrachlorophenol	232	7.973	7.974	-0.001	71	688982	177.7	
127 Hexadecane	57	8.003	8.003	0.0	96	1884724	154.3	
130 Diethyl phthalate	149	8.038	8.038	0.0	99	2689411	157.9	
134 4-Chlorophenyl phenyl ether	204	8.173	8.173	0.0	97	1316787	160.5	
135 Fluorene	166	8.197	8.197	0.0	100	2874891	156.0	
138 4-Nitroaniline	138	8.244	8.232	0.012	94	811778	165.0	
139 4,6-Dinitro-2-methylphenol	198	8.249	8.244	0.005	89	1052155	330.7	
141 N-Nitrosodiphenylamine	169	8.302	8.303	-0.001	97	2117160	159.3	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	97	2926757	159.9	
144 Azobenzene	77	8.338	8.338	0.0	97	2926757	158.1	
147 2,4,6 - Tribromophenol	330	8.449	8.450	-0.001	97	448419	175.5	
156 4-Bromophenyl phenyl ether	248	8.672	8.673	-0.001	98	810300	164.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.755	8.755	0.0	97	956575	163.7	
159 Atrazine	200	8.819	8.814	0.005	96	688598	164.9	
161 n-Octadecane	85	8.925	8.926	-0.001	96	675019	159.1	
163 Pentachlorophenol	266	8.960	8.955	0.005	98	1102201	343.8	
168 Phenanthrene	178	9.178	9.178	0.0	99	4060335	156.6	
169 Anthracene	178	9.231	9.231	0.0	100	4171779	156.5	
170 Carbazole	167	9.395	9.396	-0.001	99	4053910	156.2	
171 Alachlor	188	9.483	9.484	-0.001	97	528575	165.1	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	4580447	161.1	
179 Fluoranthene	202	10.606	10.600	0.006	100	4533438	161.0	
181 Benzidine	184	10.799	10.800	-0.001	73	2590640	165.2	
182 Pyrene	202	10.964	10.964	0.0	99	4669676	163.4	
188 Famphur	218	11.980	11.981	-0.001	98	1369742	154.8	
190 Butyl benzyl phthalate	149	12.080	12.081	-0.001	99	2126755	171.2	
195 Bis(2-ethylhexyl) phthalate	149	13.420	13.414	0.006	95	2870909	173.1	
197 3,3'-Dichlorobenzidine	252	13.385	13.379	0.006	98	1767475	171.8	
198 Benzo[a]anthracene	228	13.414	13.409	0.006	99	4434267	163.3	
199 Chrysene	228	13.508	13.503	0.006	99	4182734	162.0	
201 Di-n-octyl phthalate	149	15.282	15.283	-0.001	99	4793955	169.4	
203 Benzo[b]fluoranthene	252	16.399	16.399	0.0	95	4399378	166.1	
204 Benzo[k]fluoranthene	252	16.487	16.476	0.011	96	4680294	166.8	
206 Benzo[e]pyrene	252	17.227	17.216	0.011	97	3819077	164.0	
207 Benzo[a]pyrene	252	17.386	17.374	0.012	99	4435898	167.4	
213 Dibenz(a,h)anthracene	278	20.835	20.817	0.018	75	4209065	169.1	
214 Indeno[1,2,3-cd]pyrene	276	20.752	20.735	0.017	71	4100446	168.9	M
215 Benzo[g,h,i]perylene	276	21.528	21.505	0.023	96	4344478	164.5	
S 217 Total Cresols	108				0		316.3	
S 218 Methyl Phenols,Total	108				0		316.3	

QC Flag Legend

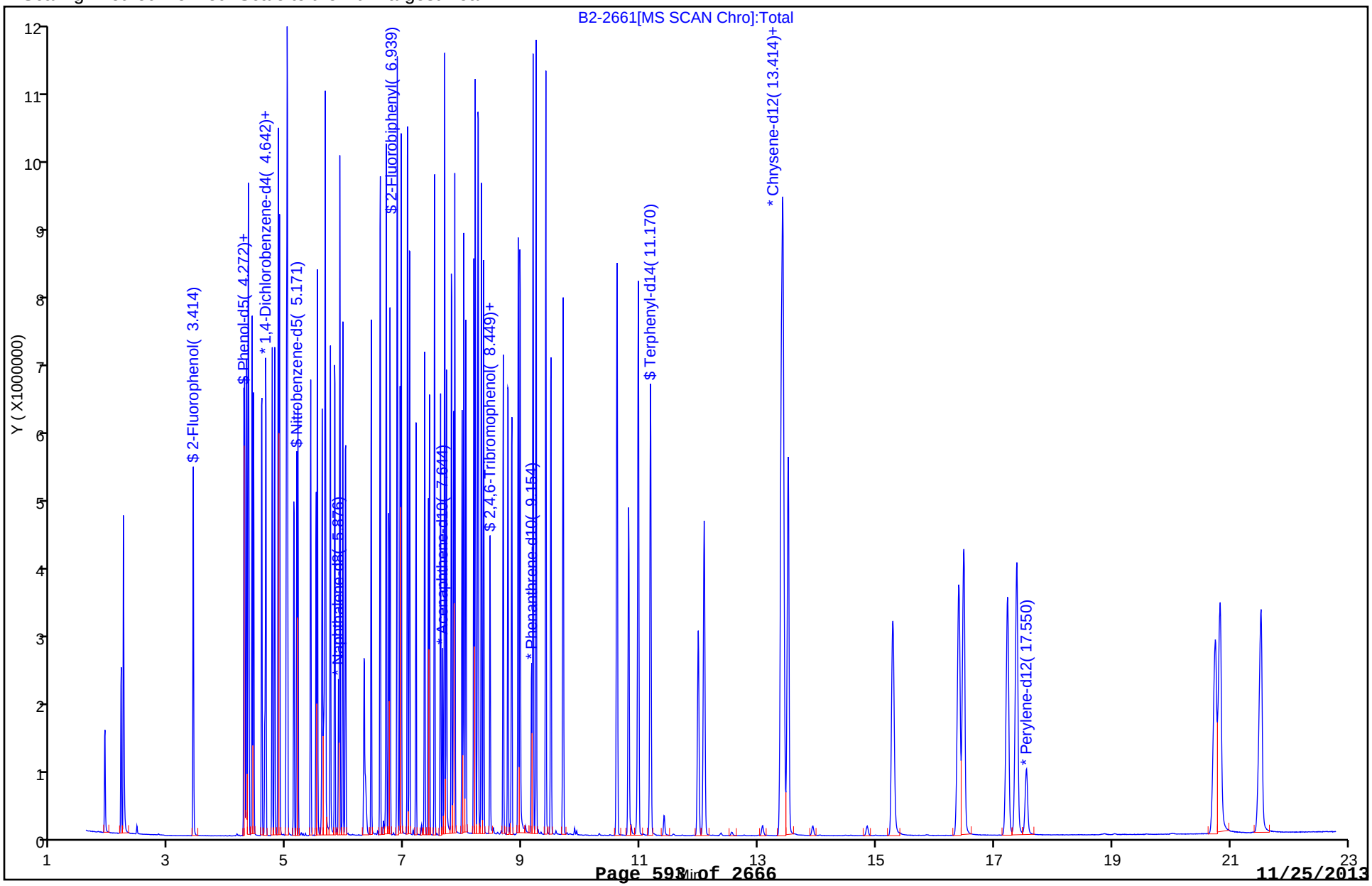
Review Flags
M - Manually Integrated

Report Date: 22-Oct-2013 13:24:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2661.D		
Injection Date:	22-Oct-2013 10:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

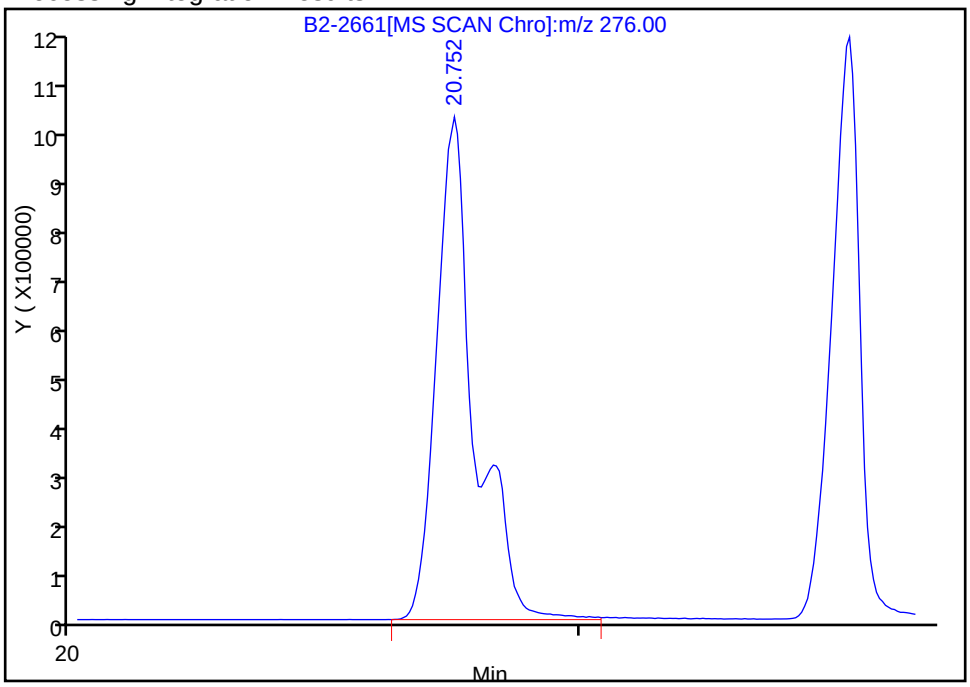
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2661.D		
Injection Date:	22-Oct-2013 10:53:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

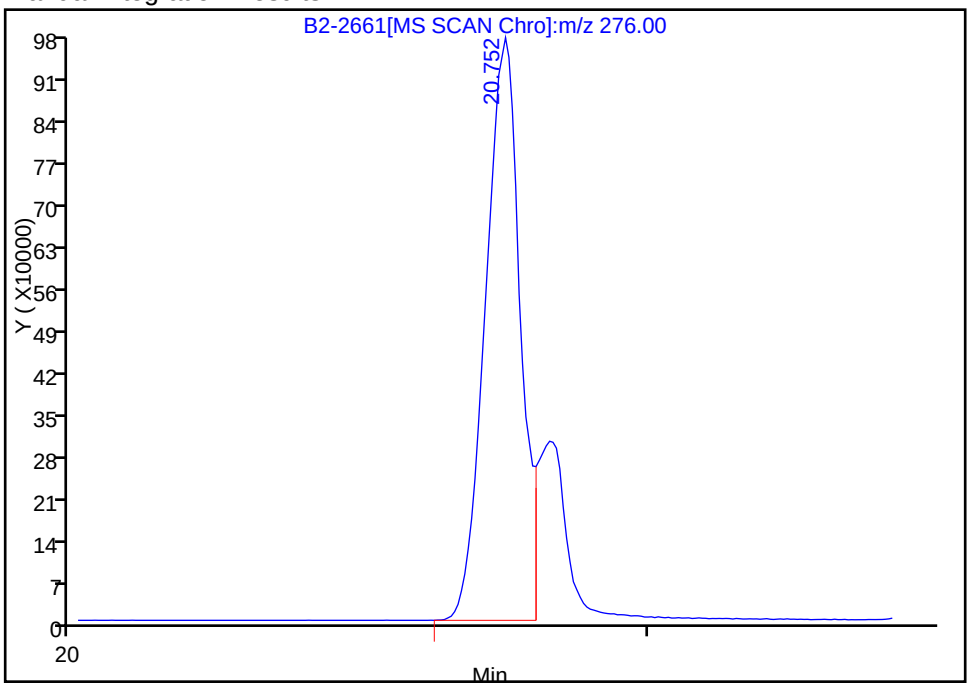
Processing Integration Results

RT: 20.75
Response: 5096991
Amount: 197.5161



Manual Integration Results

RT: 20.75
Response: 4100446
Amount: 168.8985



Reviewer: kiekeld, 22-Oct-2013 12:40:59
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Lims ID: STD200 HSL Client ID:
Inject. Date: 22-Oct-2013 11:23:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200 HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 9
Lims Batch ID: 197081 Lims Sample ID: 32
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:25 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:43:22

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	91	215112	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	99	858048	40.0	
* 3 Acenaphthene-d10	164	7.645	7.645	0.0	99	502066	40.0	
* 4 Phenanthrene-d10	188	9.155	9.155	0.0	99	857246	40.0	
* 5 Chrysene-d12	240	13.438	13.432	0.006	89	957686	40.0	
* 6 Perylene-d12	264	17.551	17.545	0.006	95	915828	40.0	
$ 7 2-Fluorophenol	112	3.415	3.414	0.001	97	1457293	192.8	
$ 8 Phenol-d5	99	4.273	4.272	0.001	100	1861964	190.3	
$ 9 Nitrobenzene-d5	82	5.172	5.171	0.001	97	1646722	197.1	
$ 11 2-Fluorobiphenyl	172	6.940	6.940	0.0	99	3124871	188.9	
$ 12 2,4,6-Tribromophenol	330	8.450	8.450	0.0	98	508028	215.1	
$ 13 Terphenyl-d14	244	11.171	11.170	0.001	99	3753657	197.3	
19 1,4-Dioxane	88	1.917	1.916	0.001	96	610887	190.8	
20 N-Nitrosodimethylamine	74	2.193	2.192	0.001	100	979205	194.8	
21 Pyridine	79	2.228	2.233	-0.005	96	1725070	194.8	
32 Phenol	94	4.285	4.284	0.0	93	1920426	190.1	
34 Aniline	93	4.320	4.319	0.001	99	2373739	189.7	
35 Alpha Methyl Styrene	118	4.349	4.349	0.0	94	1480083	190.1	
36 Bis(2-chloroethyl)ether	93	4.361	4.354	0.007	82	1431274	187.8	
38 n-Decane	43	4.414	4.413	0.001	96	1412787	179.4	
39 2-Chlorophenol	128	4.437	4.437	0.0	96	1542694	192.4	
40 1,3-Dichlorobenzene	146	4.578	4.578	0.0	98	1610987	188.8	
42 1,4-Dichlorobenzene	146	4.643	4.648	-0.005	97	1649829	187.8	
43 Benzyl alcohol	108	4.755	4.754	0.001	99	1000855	195.8	
44 1,2-Dichlorobenzene	146	4.796	4.795	0.001	98	1578002	190.6	
45 2-Methylphenol	108	4.860	4.860	0.0	98	1380430	190.2	
46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	98	1910266	179.3	
47 Indene	116	4.878	4.877	0.001	92	2446660	188.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	5.007	5.007	0.0	91	1441370	188.3	
50 3-Methylphenol	108	5.007	5.007	0.0	92	1441370	188.3	
51 4-Methylphenol	108	5.007	5.007	0.0	97	1441370	188.3	
52 N-Nitrosodi-n-propylamine	70	4.995	4.989	0.006	96	1059900	188.6	
54 Acetophenone	105	5.013	5.012	0.001	91	1990411	187.4	
58 Hexachloroethane	117	5.119	5.124	-0.005	96	620028	195.6	
59 Nitrobenzene	77	5.189	5.189	0.0	97	1601615	193.2	
63 Isophorone	82	5.407	5.406	0.001	100	2792266	191.5	
64 2-Nitrophenol	139	5.501	5.500	0.001	97	861950	210.2	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	99	1467858	192.5	
68 Benzoic acid	105	5.671	5.629	0.042	90	2203524	421.0	
69 Bis(2-chloroethoxy)methane	93	5.601	5.600	0.001	93	1717769	189.1	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	97	1509424	191.1	
74 2,4-Dichlorophenol	162	5.742	5.741	0.001	97	1260191	196.6	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	93	1350775	191.2	
79 Naphthalene	128	5.900	5.900	0.0	100	4174958	186.7	
80 4-Chloroaniline	127	5.953	5.953	0.0	100	1954180	191.9	
83 Hexachlorobutadiene	225	6.000	6.000	0.0	99	726540	196.5	
86 Caprolactam	55	6.317	6.299	0.018	94	867265	198.9	
89 4-Chloro-3-methylphenol	107	6.435	6.434	0.001	99	1291207	197.0	
93 2-Methylnaphthalene	142	6.588	6.587	0.001	99	2926984	190.2	
96 1-Methylnaphthalene	142	6.688	6.687	0.001	99	2762499	190.5	
97 Hexachlorocyclopentadiene	237	6.729	6.734	-0.005	98	761453	208.8	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	96	1329965	195.7	
100 2,4,6-Trichlorophenol	196	6.870	6.869	0.001	93	882482	204.6	
101 2,3-Dichlorobenzenamine	161	6.881	6.881	0.0	90	1546173	188.7	
102 2,4,5-Trichlorophenol	196	6.923	6.922	0.001	98	978314	209.9	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	97	3461776	187.9	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	2755328	190.3	
108 2-Nitroaniline	65	7.193	7.192	0.001	97	996712	199.4	
111 Dimethyl phthalate	163	7.340	7.339	0.001	99	3075142	193.1	
112 1,3-Dinitrobenzene	168	7.404	7.398	0.006	82	585715	219.8	
113 2,6-Dinitrotoluene	165	7.422	7.421	0.001	93	759236	199.4	
114 Acenaphthylene	152	7.510	7.504	0.006	99	4433222	190.3	
115 3-Nitroaniline	138	7.610	7.609	0.001	97	942975	203.4	
117 Acenaphthene	153	7.681	7.680	0.001	99	2864244	190.3	
118 2,4-Dinitrophenol	184	7.710	7.709	0.001	92	931337	413.5	
119 4-Nitrophenol	109	7.798	7.792	0.006	98	926715	427.3	
122 2,4-Dinitrotoluene	165	7.833	7.827	0.006	97	1022360	205.2	
123 Dibenzofuran	168	7.851	7.850	0.001	100	3822997	185.5	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	74	784204	216.7	
127 Hexadecane	57	8.004	8.003	0.001	96	2093263	183.6	
130 Diethyl phthalate	149	8.039	8.038	0.001	100	3044612	191.5	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	97	1476192	192.7	
135 Fluorene	166	8.198	8.197	0.001	100	3297293	191.6	
138 4-Nitroaniline	138	8.245	8.232	0.013	94	930291	202.6	
139 4,6-Dinitro-2-methylphenol	198	8.250	8.244	0.006	85	1221622	407.2	
141 N-Nitrosodiphenylamine	169	8.303	8.303	0.0	97	2410845	193.3	
143 1,2-Diphenylhydrazine	77	8.339	8.338	0.001	97	3282406	192.1	
144 Azobenzene	77	8.339	8.338	0.001	97	3282406	190.0	
147 2,4,6 - Tribromophenol	330	8.450	8.450	0.0	98	510683	214.1	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	98	911129	196.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.756	8.755	0.001	97	1079704	196.9	
159 Atrazine	200	8.820	8.814	0.006	95	753862	192.3	
161 n-Octadecane	85	8.926	8.926	0.0	96	762338	191.5	
163 Pentachlorophenol	266	8.961	8.955	0.006	99	1258326	416.0	
168 Phenanthrene	178	9.179	9.178	0.001	99	4571895	187.9	
169 Anthracene	178	9.232	9.231	0.001	100	4689882	187.5	
170 Carbazole	167	9.396	9.396	0.0	99	4580432	188.1	
171 Alachlor	188	9.484	9.484	0.0	97	607569	202.2	
173 Di-n-butyl phthalate	149	9.690	9.689	0.001	100	5147089	192.9	
179 Fluoranthene	202	10.607	10.600	0.006	100	5156278	195.2	
181 Benzidine	184	10.800	10.800	0.0	73	2956041	196.7	
182 Pyrene	202	10.965	10.964	0.001	96	5332800	194.7	
188 Famphur	218	11.981	11.981	0.0	98	1544596	182.1	
190 Butyl benzyl phthalate	149	12.081	12.081	0.0	99	2465592	207.1	
195 Bis(2-ethylhexyl) phthalate	149	13.415	13.414	0.001	95	3276305	206.1	
197 3,3'-Dichlorobenzidine	252	13.391	13.379	0.012	97	2048299	207.7	
198 Benzo[a]anthracene	228	13.415	13.409	0.007	99	5144774	197.7	
199 Chrysene	228	13.509	13.503	0.007	99	4827686	195.1	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	100	5658369	208.3	
203 Benzo[b]fluoranthene	252	16.406	16.399	0.007	95	5225742	206.2	
204 Benzo[k]fluoranthene	252	16.494	16.476	0.018	96	5425106	202.2	
206 Benzo[e]pyrene	252	17.234	17.216	0.018	95	4503528	202.2	
207 Benzo[a]pyrene	252	17.393	17.374	0.019	97	5253090	207.3	
213 Dibenz(a,h)anthracene	278	20.836	20.817	0.019	73	4998218	209.9	
214 Indeno[1,2,3-cd]pyrene	276	20.759	20.735	0.024	71	4908564	211.0	M
215 Benzo[g,h,i]perylene	276	21.535	21.505	0.030	96	5150913	203.9	
S 217 Total Cresols	108				0		378.5	
S 218 Methyl Phenols,Total	108				0		378.5	

QC Flag Legend

Review Flags
M - Manually Integrated

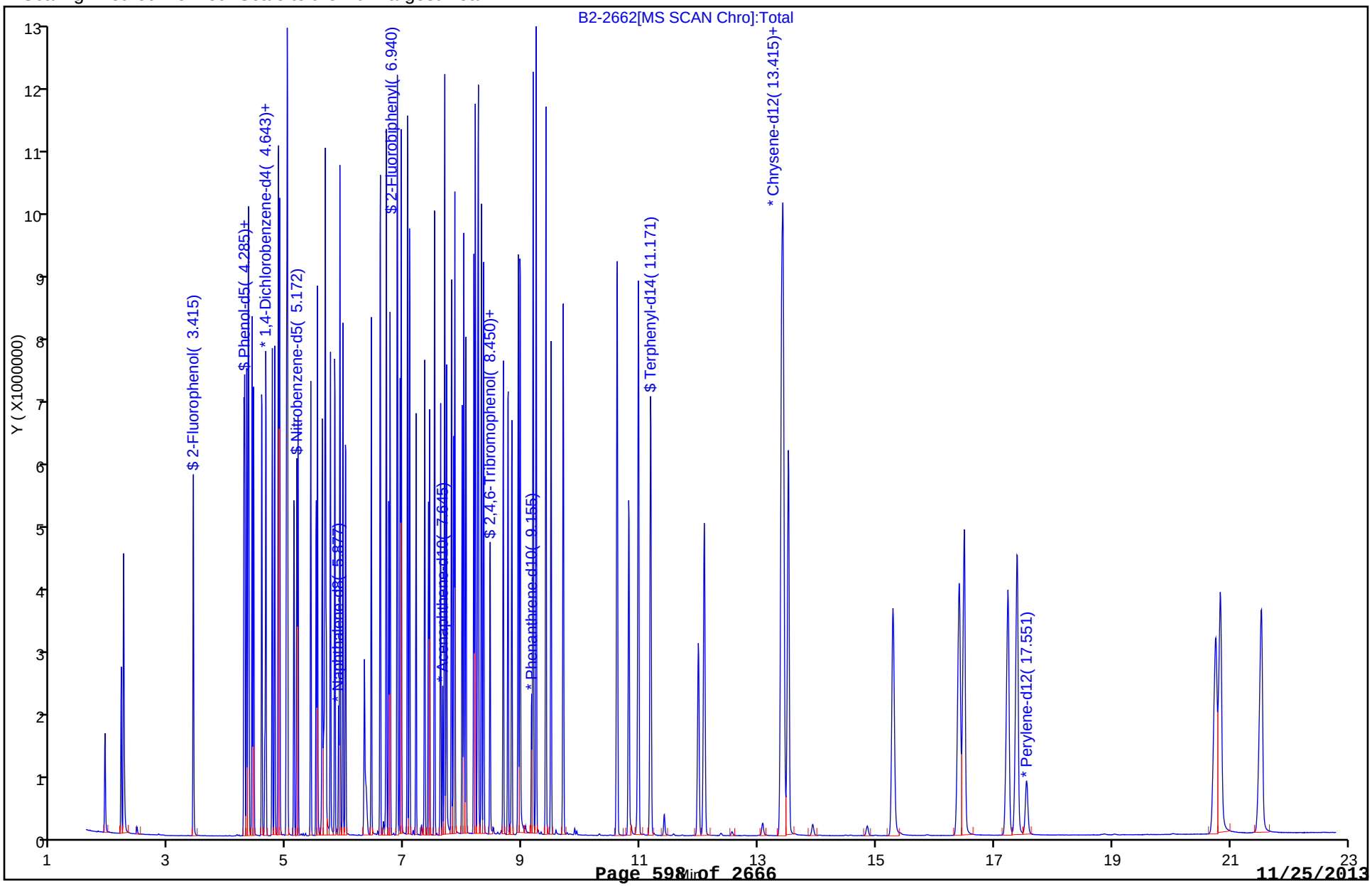
Report Date: 22-Oct-2013 13:24:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D

Injection Date:	22-Oct-2013 11:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

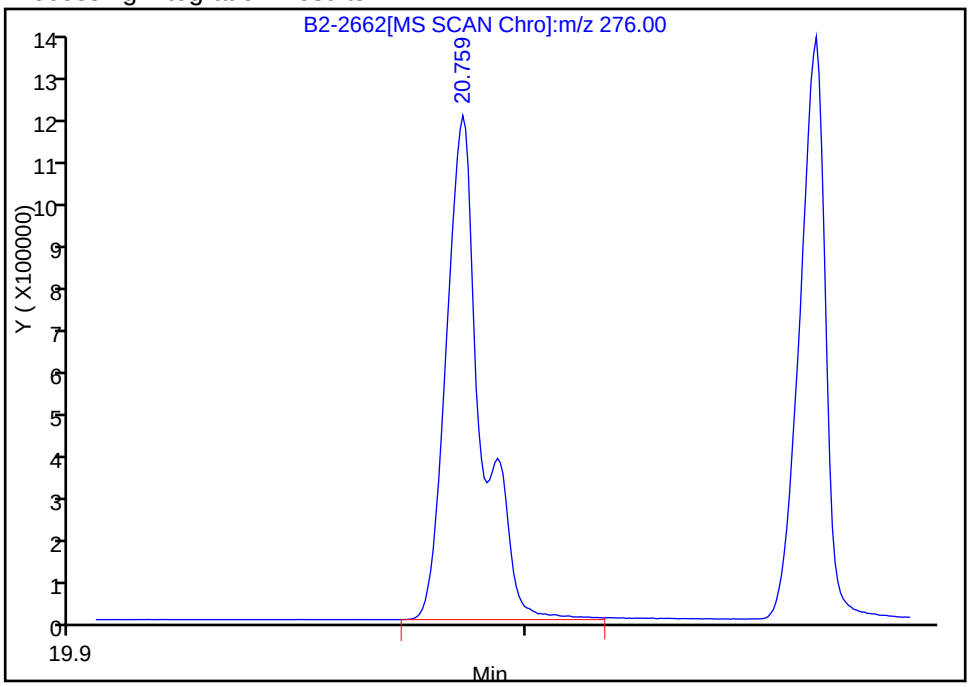
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D		
Injection Date:	22-Oct-2013 11:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

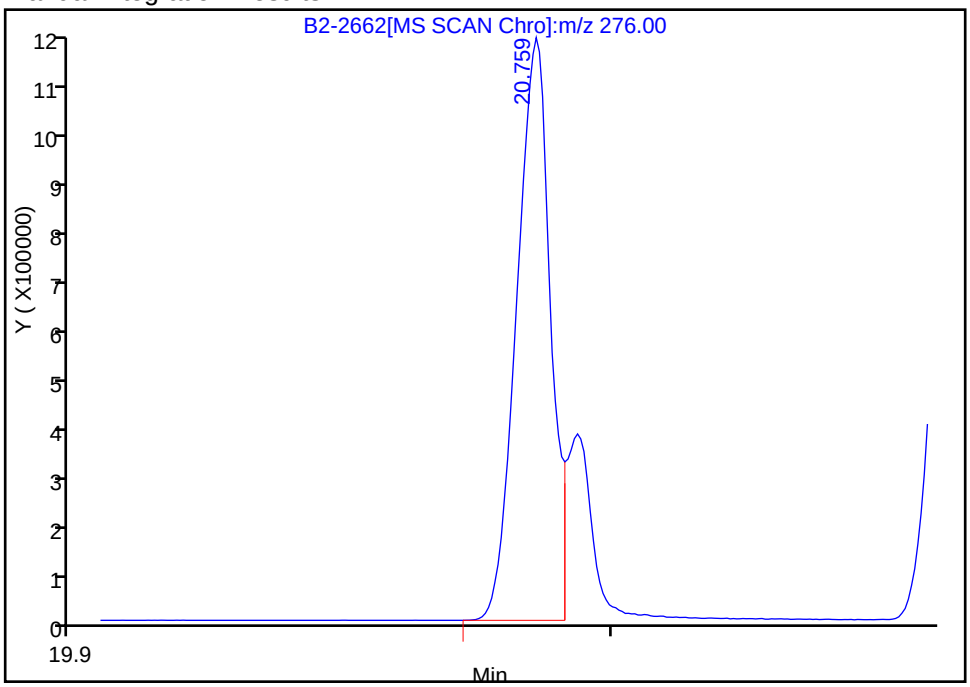
Processing Integration Results

RT: 20.76
Response: 6057592
Amount: 252.5524



Manual Integration Results

RT: 20.76
Response: 4908564
Amount: 210.9636



Reviewer: kiekeld, 22-Oct-2013 12:43:22
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

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

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197087/16	B2-2668.D
Level 2	STD020 280-197087/17	B2-2669.D
Level 3	STD050 280-197087/18	B2-2670.D
Level 4	STD080 280-197087/15	B2-2667.D
Level 5	STD120 280-197087/19	B2-2671.D
Level 6	STD160 280-197087/20	B2-2672.D
Level 7	STD200 280-197087/21	B2-2673.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
2-Picoline	1.5349 1.4746	1.4968 1.3935	1.5204	1.4957	1.4671	Ave		1.4833				3.1		15.0			
N-Nitrosomethylethylamine	0.6515 0.6587	0.6569 0.6298	0.6653	0.6520	0.6531	Ave		0.6525				1.7		15.0			
Methyl methanesulfonate	0.8734 0.7912	0.8667 0.7466	0.8706	0.8464	0.7977	Ave		0.8275				6.0		15.0			
N-Nitrosodiethylamine	0.6306 0.6491	0.6438 0.6232	0.6658	0.6495	0.6392	Ave		0.6430				2.2		15.0			
Ethyl methanesulfonate	1.0930 1.0512	1.0908 1.0232	1.0882	1.0720	1.0507	Ave		1.0670				2.5		15.0			
Pentachloroethane	0.4586 0.4639	0.4545 0.4455	0.4671	0.4539	0.4542	Ave		0.4568				1.6		15.0			
N-Nitrosopyrrolidine	0.7392 0.7726	0.7465 0.7493	0.7634	0.7540	0.7587	Ave		0.7548				1.5		15.0			
N-Nitrosomorpholine	0.2784 0.2901	0.2971 0.2857	0.2909	0.2937	0.2861	Ave		0.2889				2.1		15.0			
2-Toluidine	2.2221 2.1336	2.1715 2.0482	2.2191	2.1775	2.1309	Ave		2.1575				2.8		15.0			
N-Nitrosopiperidine	0.1740 0.1804	0.1761 0.1734	0.1797	0.1755	0.1747	Ave		0.1763				1.6		15.0			
o,o',o''-Triethylphosphorothioate	0.1566 0.1553	0.1600 0.1496	0.1543	0.1522	0.1496	Ave		0.1539				2.5		15.0			
alpha,alpha-Dimethyl phenethylamine	0.9167 1.0079	0.9327 0.9982	0.9698	0.9587	0.9738	Ave		0.9654				3.4		15.0			
2,6-Dichlorophenol	0.2485 0.2562	0.2562 0.2454	0.2691	0.2641	0.2598	Ave		0.2570				3.2		15.0			
Hexachloropropene	0.1658 0.2012	0.1773 0.1906	0.1878	0.1880	0.1921	Ave		0.1861				6.1		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

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

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
N-Nitrosodi-n-butylamine	0.2314 0.2251	0.2226 0.2195	0.2299	0.2247	0.2234	Ave		0.2252				1.8		15.0			
p-Phenylene diamine	0.4460 0.4338	0.4276 0.3860	0.4453	0.4581	0.4373	Ave		0.4334				5.3		15.0			
Safrole, Total	0.2590 0.2723	0.2694 0.2602	0.2735	0.2641	0.2652	Ave		0.2662				2.1		15.0			
1-Chloronaphthalene	1.0714 1.0533	1.0975 1.0061	1.0697	1.0550	1.0402	Ave		1.0562				2.7		15.0			
1,4-Naphthoquinone	0.1928 0.2977	0.2566 0.2619	0.3092	0.2995	0.3103	Ave		0.2754				15.0		15.0			
1,4-Dinitrobenzene	0.1326 0.1993	0.1547 0.1948	0.1773	0.1805	0.1916	Ave		0.1758				14.0		15.0			
Pentachlorobenzene	0.4858 0.4862	0.4824 0.4690	0.4716	0.4744	0.4750	Ave		0.4778				1.5		15.0			
1-Naphthylamine	1.2276 1.2362	1.2763 1.1756	1.2523	1.2513	1.2333	Ave		1.2361				2.5		15.0			
2-Naphthylamine	1.3019 1.2841	1.3283 1.2287	1.3116	1.2841	1.2614	Ave		1.2857				2.6		15.0			
Thionazin	0.2670 0.2813	0.2743 0.2725	0.2805	0.2786	0.2773	Ave		0.2759				1.8		15.0			
N-Nitro-o-toluidine	0.3468 0.4080	0.3646 0.3875	0.3911	0.3873	0.3954	Ave		0.3830				5.4		15.0			
Diphenylamine	1.1151 1.1162	1.1241 1.0637	1.1181	1.1159	1.1027	Ave		1.1080				1.9		15.0			
Sulfotepp	0.1200 0.1165	0.1192 0.1119	0.1156	0.1179	0.1150	Ave		0.1166				2.4		15.0			
Diallate Peak 1	0.2832 0.2867	0.2906 0.2778	0.2932	0.2913	0.2816	Ave		0.2863				2.0		15.0			
Phorate	0.1276 0.1283	0.1341 0.1259	0.1366	0.1304	0.1265	Ave		0.1299				3.1		15.0			
1,3,5-Trinitrobenzene	0.0309 0.0810	0.0453 0.0782	0.0630	0.0671	0.0742	Lin2	-0.506	0.0774							0.9930		0.9900
Phenacetin	0.3222 0.3728	0.3426 0.3531	0.3689	0.3673	0.3615	Ave		0.3555				5.0		15.0			
Diallate Peak 2	0.2883 0.3225	0.2877 0.3118	0.3143	0.3047	0.3109	Ave		0.3057				4.3		15.0			
Dimethoate	0.2771 0.2428	0.2755 0.2161	0.2776	0.2676	0.2489	Ave		0.2579				9.0		15.0			
4-Aminobiphenyl	0.8377 0.8235	0.8600 0.7989	0.8815	0.8543	0.8284	Ave		0.8406				3.2		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

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

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Pentachloronitrobenzene	0.0757 0.0825	0.0797 0.0806	0.0822	0.0826	0.0810	Ave		0.0806				3.0		15.0			
Pronamide	0.3099 0.3152	0.3069 0.3055	0.3166	0.3134	0.3053	Ave		0.3104				1.5		15.0			
Disulfoton	0.3396 0.3359	0.3459 0.3258	0.3499	0.3465	0.3346	Ave		0.3397				2.5		15.0			
Methyl parathion	0.2044 0.2045	0.2272 0.1838	0.2359	0.2318	0.2125	Ave		0.2143				8.7		15.0			
Ethyl Parathion	0.1072 0.1506	0.1332 0.1445	0.1458	0.1501	0.1468	Ave		0.1397				11.0		15.0			
4-Nitroquinoline-1-oxide	0.0410 0.0738	0.0482 0.0698	0.0585	0.0601	0.0677	Lin2	-0.312	0.0689							0.9930		0.9900
Methapyrilene	0.3743 0.2953	0.3804 0.2620	0.3529	0.3470	0.3020	Ave		0.3306				13.0		15.0			
Isodrin	0.1088 0.1203	0.1168 0.1180	0.1191	0.1158	0.1163	Ave		0.1165				3.2		15.0			
Aramite Peak 1	0.0412 0.0710	0.0507 0.0705	0.0663	0.0698	0.0695	Lin2	-0.153	0.0723							0.9980		0.9900
Aramite Peak 2	0.0484 0.0736	0.0556 0.0714	0.0701	0.0717	0.0716	Ave		0.0661				15.0		15.0			
p-Dimethylamino azobenzene	0.2346 0.3034	0.2648 0.2958	0.2992	0.3003	0.2962	Ave		0.2849				9.0		15.0			
Ethyl 4,4'-Dichlorobenzilate	0.2514 0.2973	0.2676 0.2939	0.2895	0.2907	0.2894	Ave		0.2828				6.0		15.0			
3,3'-Dimethylbenzidine	0.6178 0.5989	0.6638 0.5665	0.6475	0.6156	0.5898	Ave		0.6143				5.4		15.0			
2-Acetylaminofluorene	0.2976 0.4692	0.3561 0.4495	0.4340	0.4477	0.4535	Ave		0.4154				15.0		15.0			
4,4'-Methylene bis(2-chloroaniline)	0.1622 0.1822	0.1737 0.1747	0.1855	0.1830	0.1801	Ave		0.1773				4.5		15.0			
7,12-Dimethylbenz(a)anthracene	0.4502 0.5703	0.5012 0.5643	0.5375	0.5426	0.5415	Ave		0.5297				7.8		15.0			
3-Methylcholanthrene	0.4432 0.6222	0.5086 0.6102	0.5701	0.5914	0.5930	Ave		0.5627				11.0		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

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

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197087/16	B2-2668.D
Level 2	STD020 280-197087/17	B2-2669.D
Level 3	STD050 280-197087/18	B2-2670.D
Level 4	STD080 280-197087/15	B2-2667.D
Level 5	STD120 280-197087/19	B2-2671.D
Level 6	STD160 280-197087/20	B2-2672.D
Level 7	STD200 280-197087/21	B2-2673.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Picoline	DCB	Ave	80955 1412034	177103 1689701	461531	658997	1076873	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomethylethylamine	DCB	Ave	34363 630722	77720 763655	201965	287274	479372	10.0 160	20.0 200	50.0	80.0	120
Methyl methanesulfonate	DCB	Ave	46064 757652	102551 905332	264286	372934	585497	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodiethylamine	DCB	Ave	33258 621599	76174 755646	202112	286172	469179	10.0 160	20.0 200	50.0	80.0	120
Ethyl methanesulfonate	DCB	Ave	57645 1006584	129057 1240757	330345	472321	771215	10.0 160	20.0 200	50.0	80.0	120
Pentachloroethane	DCB	Ave	24185 444206	53773 540168	141806	199996	333402	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopyrrolidine	DCB	Ave	38985 739799	88324 908602	231744	332204	556930	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosomorpholine	DCB	Ave	14684 277783	35152 346483	88306	129385	210001	10.0 160	20.0 200	50.0	80.0	120
2-Toluidine	DCB	Ave	117196 2043055	256928 2483605	673639	959393	1564115	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosopiperidine	NPT	Ave	36566 687250	84031 844272	220370	310936	516056	10.0 160	20.0 200	50.0	80.0	120
o,o',o''-Triethylphosphorothioate	NPT	Ave	32908 591437	76346 728417	189208	269674	441764	10.0 160	20.0 200	50.0	80.0	120
alpha,alpha-Dimethyl phenethylamine	NPT	Ave	192603 3838858	445092 4859107	1189358	1698356	2876029	10.0 160	20.0 200	50.0	80.0	120
2,6-Dichlorophenol	NPT	Ave	52221 975737	122270 1194671	329986	467873	767294	10.0 160	20.0 200	50.0	80.0	120
Hexachloropropene	NPT	Ave	34834 766269	84583 927691	230327	332983	567493	10.0 160	20.0 200	50.0	80.0	120
N-Nitrosodi-n-butylamine	NPT	Ave	48611 857419	106229 1068434	281921	398121	659829	10.0 160	20.0 200	50.0	80.0	120

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

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

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
p-Phenylene diamine	NPT	Ave	93714 1652358	204031 1878908	546081	811527	1291577	10.0 160	20.0 200	50.0	80.0	120
Safrole, Total	NPT	Ave	54425 1037058	128574 1266743	335423	467780	783159	10.0 160	20.0 200	50.0	80.0	120
1-Chloronaphthalene	ANT	Ave	132382 2354324	305541 2918154	787123	1091558	1806688	10.0 160	20.0 200	50.0	80.0	120
1,4-Naphthoquinone	ANT	Ave	23827 665352	71446 759593	227519	309887	538985	10.0 160	20.0 200	50.0	80.0	120
1,4-Dinitrobenzene	ANT	Ave	16381 445441	43057 564909	130460	186749	332724	10.0 160	20.0 200	50.0	80.0	120
Pentachlorobenzene	ANT	Ave	60031 1086753	134310 1360233	347005	490861	824984	10.0 160	20.0 200	50.0	80.0	120
1-Naphthylamine	ANT	Ave	151687 2763065	355329 3409819	921537	1294624	2141975	10.0 160	20.0 200	50.0	80.0	120
2-Naphthylamine	ANT	Ave	160866 2870140	369796 3563972	965186	1328601	2190817	10.0 160	20.0 200	50.0	80.0	120
Thionazin	ANT	Ave	32992 628693	76377 790354	206431	288221	481706	10.0 160	20.0 200	50.0	80.0	120
N-Nitro-o-toluidine	ANT	Ave	42850 911876	101517 1124017	287792	400731	686761	10.0 160	20.0 200	50.0	80.0	120
Diphenylamine	ANT	Ave	137791 2494924	312942 3085249	822746	1154577	1915233	10.0 160	20.0 200	50.0	80.0	120
Sulfotepp	PHN	Ave	25718 455559	58040 561120	146436	211257	352690	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 1	PHN	Ave	53520 988855	124836 1228205	327649	460525	761587	8.82 141	17.6 176	44.1	70.6	106
Phorate	PHN	Ave	27341 501607	65331 630885	173130	233698	387891	10.0 160	20.0 200	50.0	80.0	120
1,3,5-Trinitrobenzene	PHN	Lin2	6626 316624	22057 391971	79828	120323	227530	10.0 160	20.0 200	50.0	80.0	120
Phenacetin	PHN	Ave	69038 1457958	166868 1770007	467365	658305	1108513	10.0 160	20.0 200	50.0	80.0	120
Diallate Peak 2	PHN	Ave	7290 148808	16534 184446	46992	64433	112510	1.18 18.9	2.36 23.6	5.90	9.44	14.2
Dimethoate	PHN	Ave	59377 949418	134184 1083276	351724	479532	763152	10.0 160	20.0 200	50.0	80.0	120
4-Aminobiphenyl	PHN	Ave	179489 3220510	418821 4004548	1116859	1531254	2540314	10.0 160	20.0 200	50.0	80.0	120
Pentachloronitrobenzene	PHN	Ave	16212 322635	38825 404048	104190	147956	248387	10.0 160	20.0 200	50.0	80.0	120
Pronamide	PHN	Ave	66391 1232604	149464 1531557	401085	561685	936267	10.0 160	20.0 200	50.0	80.0	120

FORM VI

GC/MS SEMI VOA INITIAL CALIBRATION DATA

INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197087

SDG No.:

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

Calibration Start Date: 10/22/2013 13:34 Calibration End Date: 10/22/2013 16:27 Calibration ID: 16010

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Disulfoton	PHN	Ave	72758 1313476	168462 1632971	443341	620972	1026195	10.0 160	20.0 200	50.0	80.0	120
Methyl parathion	PHN	Ave	43787 799632	110669 921423	298826	415425	651569	10.0 160	20.0 200	50.0	80.0	120
Ethyl Parathion	PHN	Ave	22971 588868	64893 724272	184755	268977	450177	10.0 160	20.0 200	50.0	80.0	120
4-Nitroquinoline-1-oxide	PHN	Lin2	8787 288732	23488 349749	74150	107667	207738	10.0 160	20.0 200	50.0	80.0	120
Methapyrilene	PHN	Ave	80198 1154693	185252 1313484	447113	621914	926083	10.0 160	20.0 200	50.0	80.0	120
Isodrin	PHN	Ave	23314 470634	56861 591719	150924	207565	356547	10.0 160	20.0 200	50.0	80.0	120
Aramite Peak 1	CRY	Lin2	4433 142997	12523 177551	42302	62930	108685	4.61 73.8	9.22 92.2	23.1	36.9	55.3
Aramite Peak 2	CRY	Ave	6087 173303	16072 210053	52274	75654	130978	5.39 86.2	10.8 108	27.0	43.1	64.7
p-Dimethylamino azobenzene	CRY	Ave	54718 1324964	142029 1615039	413916	587483	1005371	10.0 160	20.0 200	50.0	80.0	120
Ethyl 4,4'-Dichlorobenzilate	CRY	Ave	58637 1298021	143487 1604503	400407	568821	982369	10.0 160	20.0 200	50.0	80.0	120
3,3'-Dimethylbenzidine	CRY	Ave	144134 2615275	355986 3093286	895745	1204506	2001822	10.0 160	20.0 200	50.0	80.0	120
2-Acetylaminofluorene	CRY	Ave	69417 2048746	190996 2454033	600408	875887	1539390	10.0 160	20.0 200	50.0	80.0	120
4,4'-Methylene bis(2-chloroaniline)	CRY	Ave	37848 795511	93130 953944	256619	357963	611410	10.0 160	20.0 200	50.0	80.0	120
7,12-Dimethylbenz(a)anthracene	PRY	Ave	100323 2326342	256808 2808297	714303	1006677	1738948	10.0 160	20.0 200	50.0	80.0	120
3-Methylcholanthrene	PRY	Ave	98760 2537669	260612 3036622	757647	1097349	1904198	10.0 160	20.0 200	50.0	80.0	120

Curve Type Legend:

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

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2667.D
Lims ID: STD080 AP9 Client ID:
Inject. Date: 22-Oct-2013 13:34:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STD080 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 14
Lims Batch ID: 197087 Lims Sample ID: 15
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:41 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 14:19:23

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	90	220300	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	885746	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	517326	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	896152	40.0	
* 5 Chrysene-d12	240	13.427	13.427	0.0	70	978271	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	97	927713	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	658997	80.7	
24 N-Nitrosomethylethylamine	88	2.980	2.980	0.0	94	287274	79.9	
25 Acrylamide	71	3.227	3.227	0.0	67	249343	83.1	
26 Methyl methanesulfonate	80	3.251	3.251	0.0	89	372934	81.8	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	95	286172	80.8	
29 Ethyl methanesulfonate	79	3.879	3.879	0.0	97	472321	80.4	
37 Pentachloroethane	117	4.361	4.361	0.0	87	199996	79.5	
53 N-Nitrosopyrrolidine	100	4.996	4.996	0.0	86	332204	79.9	
55 N-Nitrosomorpholine	116	5.031	5.031	0.0	89	129385	81.3	
57 2-Toluidine	106	5.048	5.048	0.0	86	959393	80.7	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	84	310936	79.7	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	84	269674	79.1	
73 alpha,alpha-Dimethyl phenethylam	58	5.707	5.707	0.0	97	1698356	79.4	
81 2,6-Dichlorophenol	162	5.953	5.953	0.0	93	467873	82.2	
82 Hexachloropropene	213	5.977	5.977	0.0	86	332983	80.8	
84 Quinoline	129	6.229	6.229	0.0	95	1180404	80.4	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	93	398121	79.8	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	811527	84.6	
90 Safrole, Total	162	6.476	6.476	0.0	87	467780	79.3	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	87	74002	13.8	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	91	103250	66.7	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	97	1091558	79.9	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.264	7.264	0.0	84	309887	87.0	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	94	186749	82.1	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	490861	79.4	
124 1-Naphthylamine	143	7.939	7.939	0.0	99	1294624	81.0	
129 2-Naphthylamine	143	8.016	8.016	0.0	95	1328601	79.9	
133 Thionazin	97	8.115	8.115	0.0	79	288221	80.8	
137 N-Nitro-o-toluidine	152	8.210	8.210	0.0	95	400731	80.9	
142 Diphenylamine	169	8.298	8.298	0.0	89	1154577	80.6	
146 Sulfotepp	97	8.403	8.403	0.0	79	211257	80.9	
150 Diallate Peak 1	86	8.556	8.556	0.0	96	460525	71.8	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	71	120323	75.9	
152 Phorate	121	8.574	8.574	0.0	93	233698	80.3	
153 Phenacetin	108	8.597	8.597	0.0	92	658305	82.7	
155 Diallate Peak 2	86	8.650	8.650	0.0	95	64433	9.41	
158 Dimethoate	87	8.768	8.768	0.0	94	479532	83.0	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	87	1531254	81.3	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	84	147956	81.9	
165 Pronamide	173	8.967	8.967	0.0	87	561685	80.8	
166 Disulfoton	88	9.097	9.097	0.0	95	620972	81.6	
167 Dinoseb	211	9.108	9.108	0.0	94	255269	75.4	
172 Methyl parathion	109	9.502	9.502	0.0	94	415425	86.5	
174 Ethyl Parathion	109	9.931	9.931	0.0	84	268977	85.9	
175 4-Nitroquinoline-1-oxide	190	10.049	10.049	0.0	91	107667	74.3	M
176 Methapyrilene	97	10.066	10.066	0.0	95	621914	84.0	
178 Isodrin	193	10.366	10.366	0.0	92	207565	79.6	
183 Aramite Peak 1	185	11.083	11.083	0.0	96	62930	37.7	
185 Aramite Peak 2	185	11.212	11.212	0.0	94	75654	46.8	
186 p-Dimethylamino azobenzene	120	11.423	11.423	0.0	95	587483	84.3	
187 Chlorobenzilate	251	11.482	11.482	0.0	91	568821	82.2	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	1204506	80.2	
194 2-Acetylaminofluorene	181	12.669	12.669	0.0	93	875887	86.2	
196 4,4'-Methylene bis(2-chloroanili	231	13.380	13.380	0.0	92	357963	82.5	
200 6-Methylchrysene	242	14.702	14.702	0.0	99	1506323	82.0	
202 7,12-Dimethylbenz(a)anthracene	256	16.376	16.376	0.0	82	1006677	81.9	
209 3-Methylcholanthrene	268	18.439	18.439	0.0	73	1097349	84.1	
211 Dibenz[a,h]acridine	279	20.090	20.090	0.0	80	1637468	83.3	
212 Dibenz[a,j]acridine	279	20.242	20.242	0.0	100	1655769	82.5	
S 219 Isosafrole	162				0		80.6	
S 220 Diallate	86				0		81.2	
S 221 Aramite, Total	185				0		84.5	

QC Flag Legend

Review Flags
M - Manually Integrated

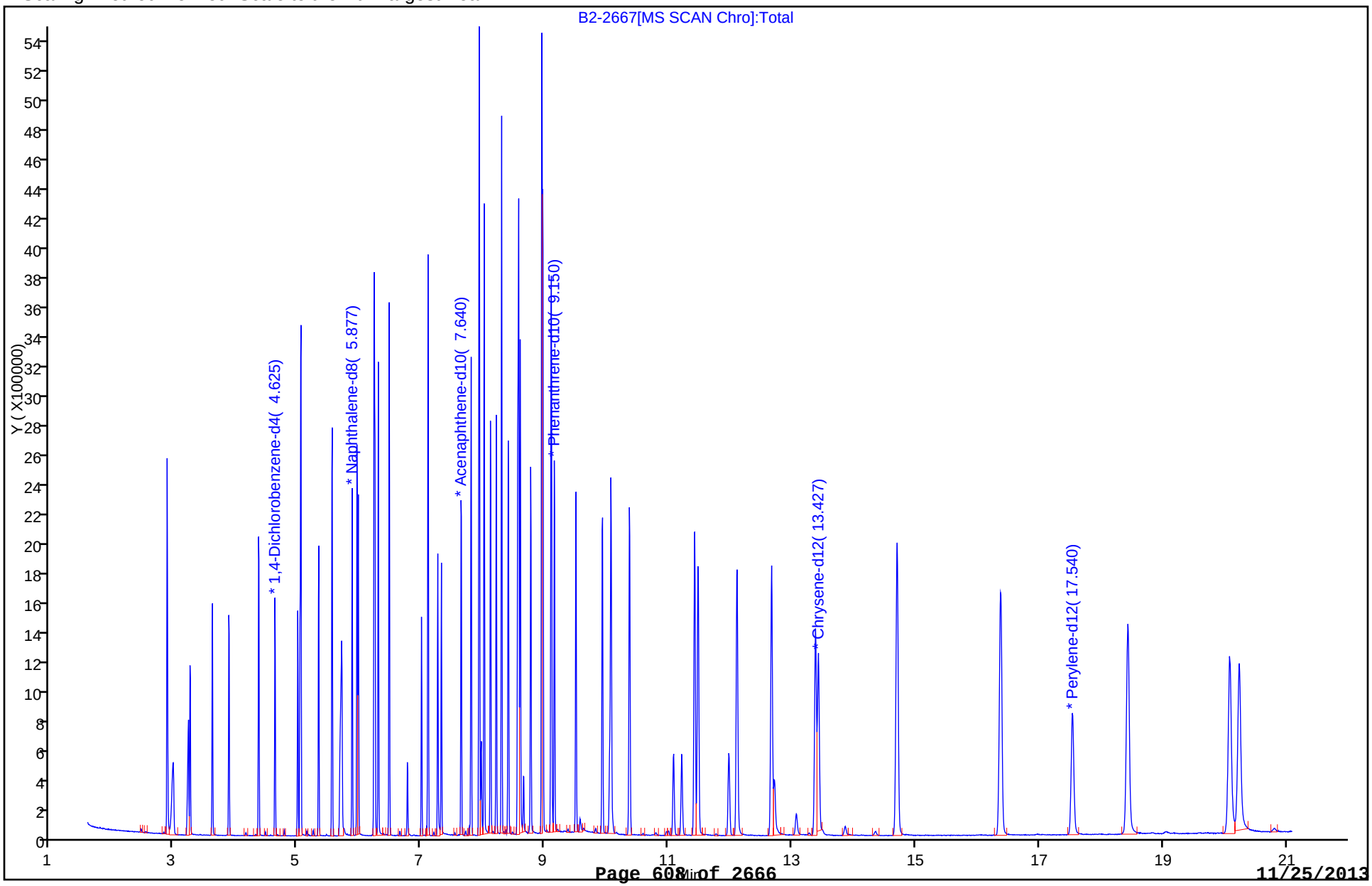
Report Date: 23-Oct-2013 06:54:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2667.D

Injection Date:	22-Oct-2013 13:34:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	15
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

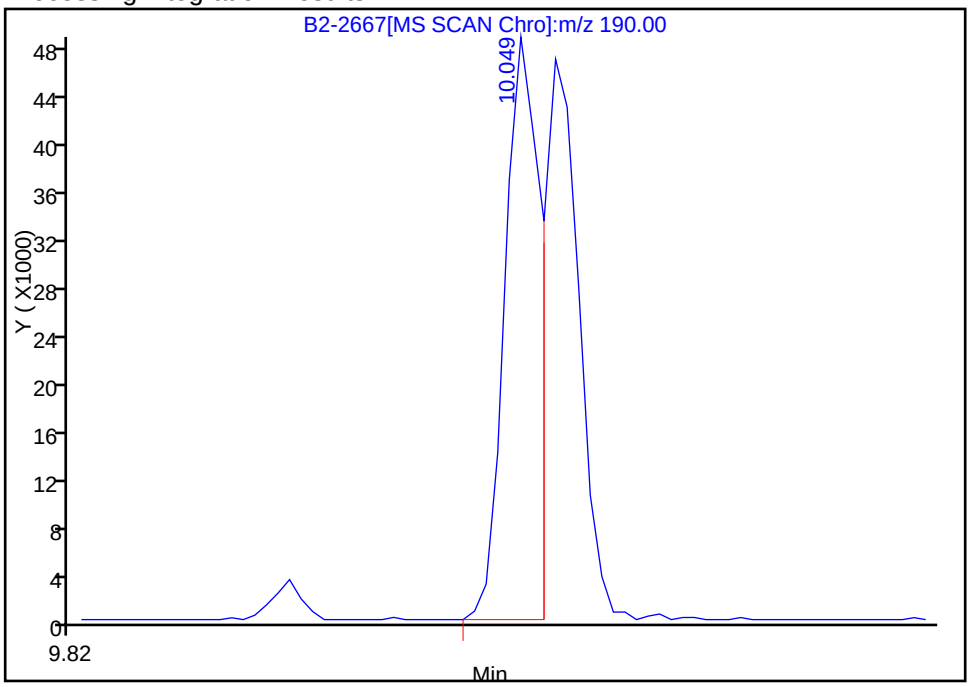
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2667.D		
Injection Date:	22-Oct-2013 13:34:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	15
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

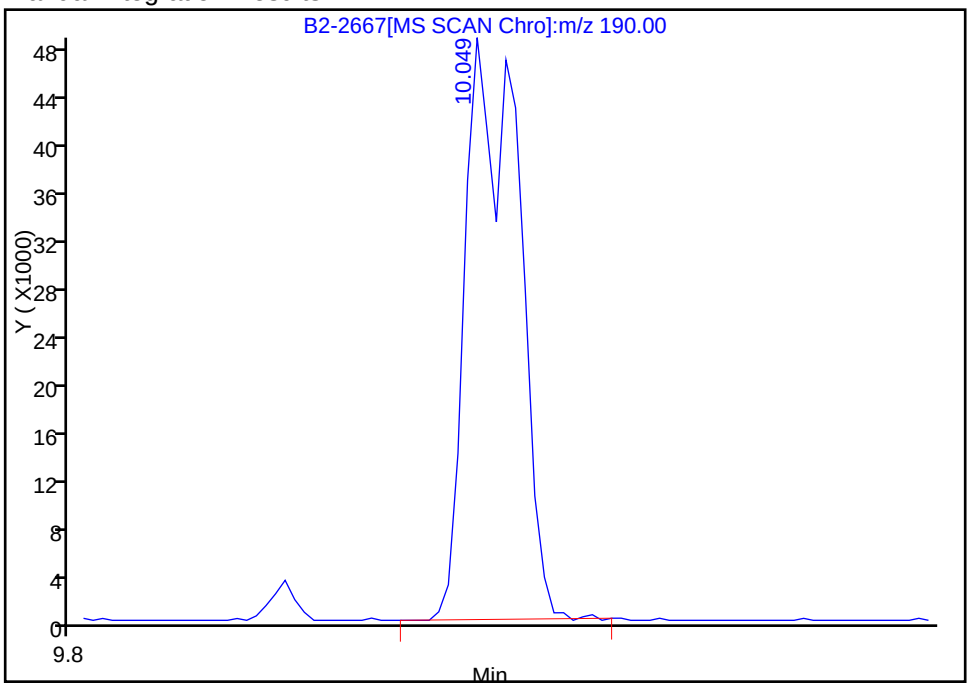
Processing Integration Results

RT: 10.05
Response: 61859
Amount: 80.000000



Manual Integration Results

RT: 10.05
Response: 107667
Amount: 74.293933



Reviewer: kiekeld, 22-Oct-2013 14:19:23
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D
Lims ID: STD010 AP9 Client ID:
Inject. Date: 22-Oct-2013 14:03:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STD010 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 15
Lims Batch ID: 197087 Lims Sample ID: 16
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:42 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:12:59

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.625	0.002	92	210968	40.0	
* 2 Naphthalene-d8	136	5.878	5.877	0.001	99	840422	40.0	
* 3 Acenaphthene-d10	164	7.641	7.640	0.001	99	494252	40.0	
* 4 Phenanthrene-d10	188	9.151	9.150	0.001	99	857032	40.0	
* 5 Chrysene-d12	240	13.428	13.427	0.001	67	933137	40.0	
* 6 Perylene-d12	264	17.541	17.540	0.001	98	891355	40.0	
23 2-Picoline	93	2.882	2.880	0.002	95	80955	10.3	
24 N-Nitrosomethylethylamine	88	2.976	2.980	-0.004	89	34363	9.99	
25 Acrylamide	71	3.199	3.227	-0.028	67	23178	8.07	
26 Methyl methanesulfonate	80	3.246	3.251	-0.005	88	46064	10.6	
27 N-Nitrosodiethylamine	102	3.610	3.615	-0.005	91	33258	9.81	
29 Ethyl methanesulfonate	79	3.880	3.879	0.001	97	57645	10.2	
37 Pentachloroethane	117	4.362	4.361	0.001	86	24185	10.0	
53 N-Nitrosopyrrolidine	100	4.991	4.996	-0.005	87	38985	9.79	
55 N-Nitrosomorpholine	116	5.026	5.031	-0.005	94	14684	9.64	
57 2-Toluidine	106	5.044	5.048	-0.004	86	117196	10.3	
61 N-Nitrosopiperidine	114	5.332	5.336	-0.004	81	36566	9.87	
67 o,o',o''-Triethylphosphorothioat	198	5.549	5.554	-0.005	87	32908	10.2	
73 alpha,alpha-Dimethyl phenethylam	58	5.678	5.707	-0.029	86	192603	9.50	M
81 2,6-Dichlorophenol	162	5.955	5.953	0.002	93	52221	9.67	
82 Hexachloropropene	213	5.978	5.977	0.001	89	34834	8.91	
84 Quinoline	129	6.231	6.229	0.002	96	141480	10.1	
85 N-Nitrosodi-n-butylamine	84	6.242	6.247	-0.005	91	48611	10.3	
87 p-Phenylene diamine	108	6.301	6.300	0.001	95	93714	10.3	
90 Safrole, Total	162	6.477	6.476	0.001	87	54425	9.73	
99 Isosafrole Peak 1	162	6.771	6.770	0.001	88	8350	1.63	
103 Isosafrole Peak 2	104	7.000	6.999	0.001	90	11849	8.01	
107 1-Chloronaphthalene	162	7.106	7.105	0.001	97	132382	10.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.265	7.264	0.001	87	23827	7.00	
110 1,4-Dinitrobenzene	168	7.318	7.322	-0.004	94	16381	7.54	
121 Pentachlorobenzene	250	7.805	7.804	0.001	96	60031	10.2	
124 1-Naphthylamine	143	7.935	7.939	-0.004	99	151687	9.93	
129 2-Naphthylamine	143	8.011	8.016	-0.005	95	160866	10.1	
133 Thionazin	97	8.117	8.115	0.002	77	32992	9.68	
137 N-Nitro-o-toluidine	152	8.205	8.210	-0.005	96	42850	9.06	
142 Diphenylamine	169	8.293	8.298	-0.005	89	137791	10.1	
146 Sulfotepp	97	8.405	8.403	0.002	80	25718	10.3	
150 Diallate Peak 1	86	8.557	8.556	0.001	96	53520	8.72	
151 1,3,5-Trinitrobenzene	213	8.569	8.574	-0.005	68	6626	10.5	
152 Phorate	121	8.569	8.574	-0.005	92	27341	9.82	
153 Phenacetin	108	8.593	8.597	-0.004	93	69038	9.06	
155 Diallate Peak 2	86	8.651	8.650	0.001	84	7290	1.11	
158 Dimethoate	87	8.763	8.768	-0.005	94	59377	10.7	
162 4-Aminobiphenyl	169	8.945	8.944	0.001	86	179489	9.97	
164 Pentachloronitrobenzene	237	8.951	8.956	-0.005	83	16212	9.39	
165 Pronamide	173	8.963	8.967	-0.004	87	66391	9.98	
166 Disulfoton	88	9.092	9.097	-0.005	96	72758	10.0	
167 Dinoseb	211	9.104	9.108	-0.004	84	12383	10.6	
172 Methyl parathion	109	9.497	9.502	-0.005	91	43787	9.54	
174 Ethyl Parathion	109	9.926	9.931	-0.005	80	22971	7.67	
175 4-Nitroquinoline-1-oxide	190	10.073	10.049	0.024	64	8787	10.5	M
176 Methapyrilene	97	10.067	10.066	0.001	97	80198	11.3	
178 Isodrin	193	10.367	10.366	0.001	91	23314	9.34	
183 Aramite Peak 1	185	11.084	11.083	0.001	79	4433	4.75	
185 Aramite Peak 2	185	11.213	11.212	0.001	83	6087	3.95	
186 p-Dimethylamino azobenzene	120	11.419	11.423	-0.004	95	54718	8.23	
187 Chlorobenzilate	251	11.477	11.482	-0.005	89	58637	8.89	
191 3,3'-Dimethylbenzidine	212	12.106	12.111	-0.005	96	144134	10.1	
194 2-Acetylaminofluorene	181	12.658	12.669	-0.011	93	69417	7.16	
196 4,4'-Methylene bis(2-chloroanili	231	13.375	13.380	-0.005	91	37848	9.15	
200 6-Methylchrysene	242	14.691	14.702	-0.011	98	163141	9.31	
202 7,12-Dimethylbenz(a)anthracene	256	16.372	16.376	-0.004	85	100323	8.50	
209 3-Methylcholanthrene	268	18.428	18.439	-0.011	74	98760	7.88	
211 Dibenz[a,h]acridine	279	20.073	20.090	-0.017	58	156629	8.29	
212 Dibenz[a,j]acridine	279	20.226	20.242	-0.016	99	162804	8.45	
S 219 Isosafrole	162				0		9.65	
S 220 Diallate	86				0		9.84	
S 221 Aramite, Total	185				0		8.70	

QC Flag Legend

Review Flags
M - Manually Integrated

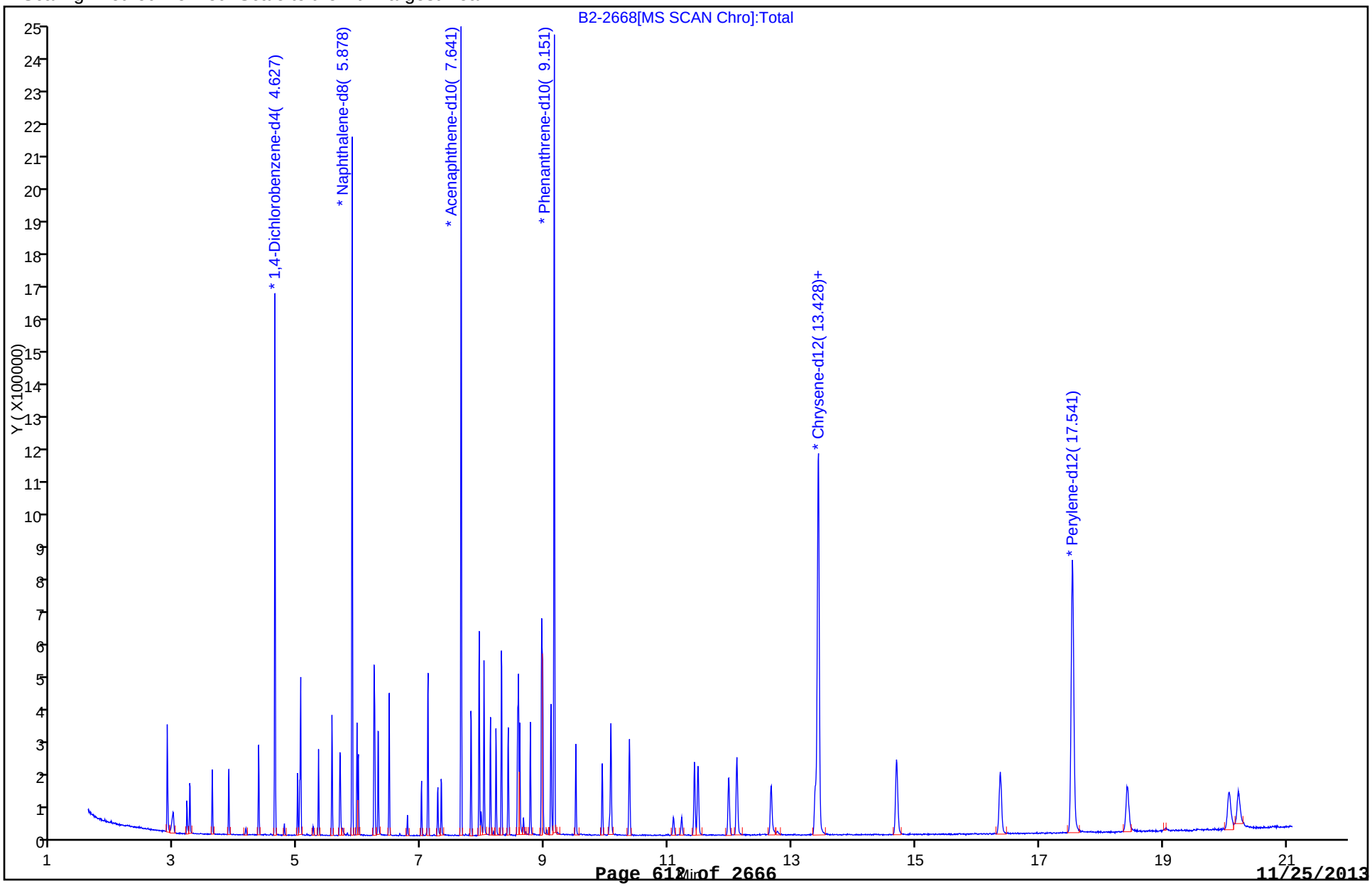
Report Date: 23-Oct-2013 06:54:43 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D

Injection Date:	22-Oct-2013 14:03:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	16
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

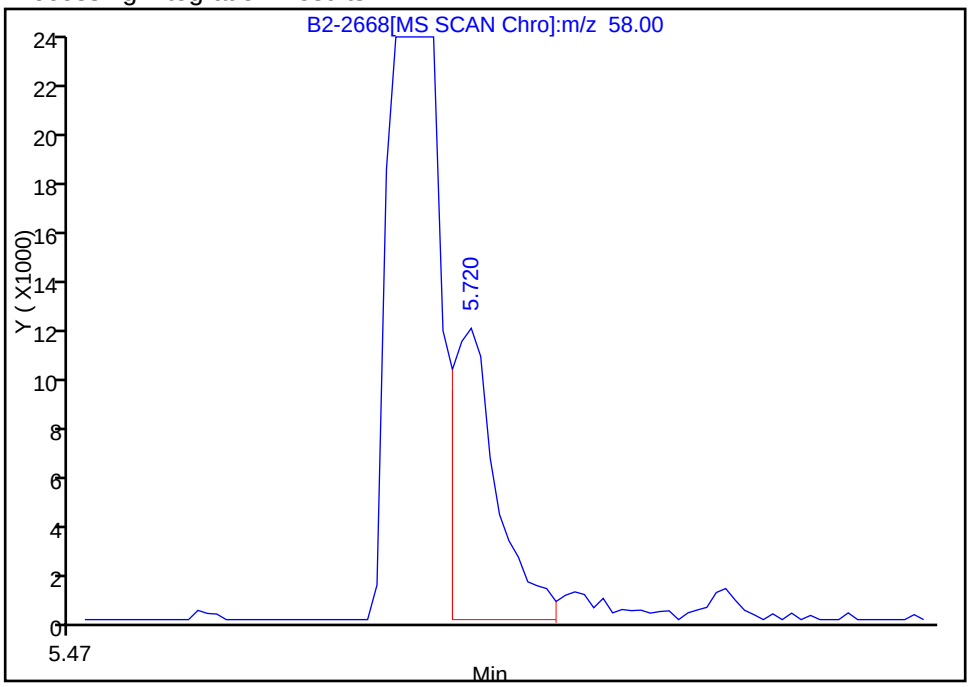
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D		
Injection Date:	22-Oct-2013 14:03:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	16
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

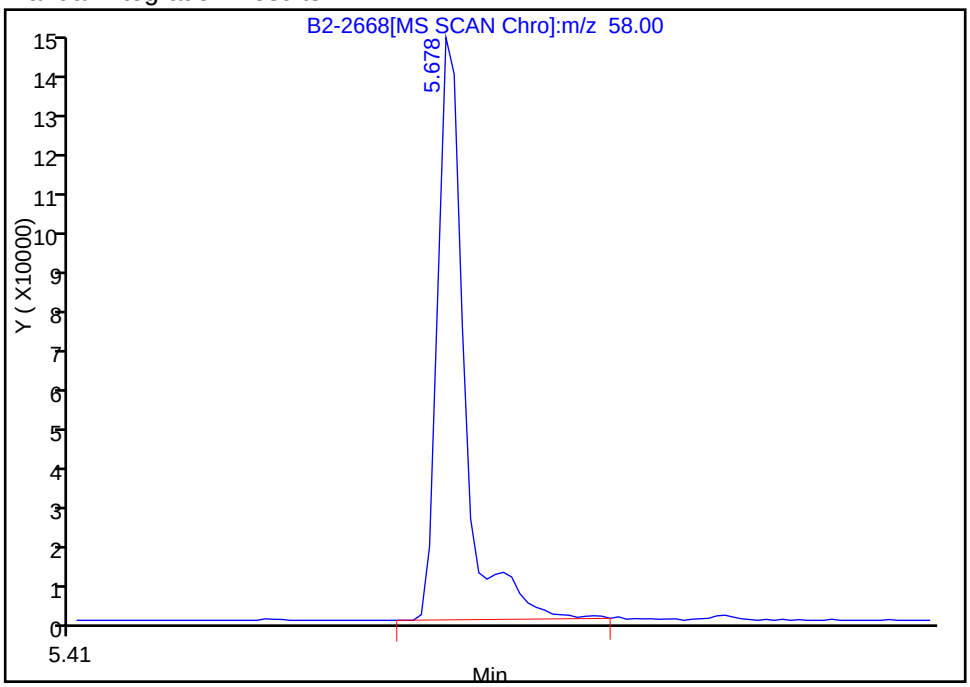
Processing Integration Results

RT: 5.72
Response: 22919
Amount: 13.373366



Manual Integration Results

RT: 5.68
Response: 192603
Amount: 9.495602



Reviewer: kiekeld, 22-Oct-2013 21:12:59
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

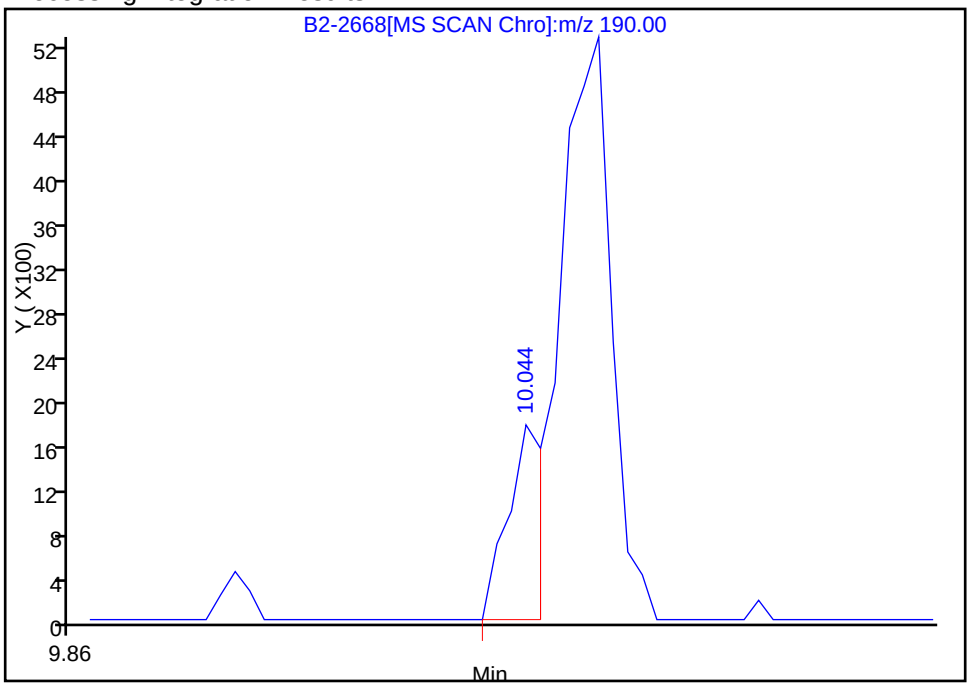
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2668.D		
Injection Date:	22-Oct-2013 14:03:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	16
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

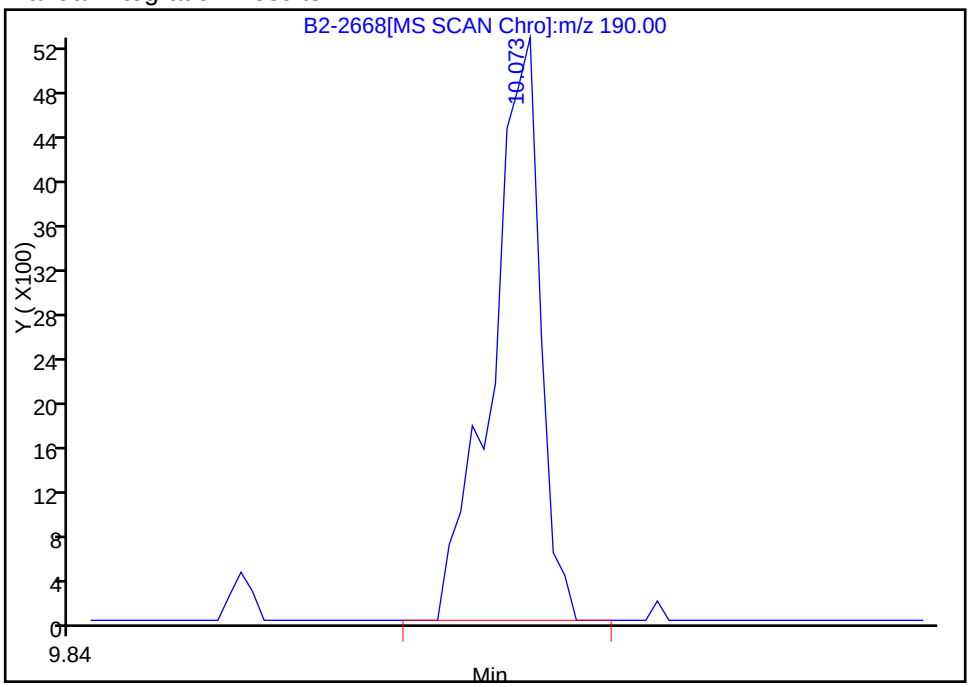
Processing Integration Results

RT: 10.04
Response: 1736
Amount: 1.679325



Manual Integration Results

RT: 10.07
Response: 8787
Amount: 10.478793



Reviewer: kiekeld, 22-Oct-2013 21:12:59
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2669.D
Lims ID: STD020 AP9 Client ID:
Inject. Date: 22-Oct-2013 14:32:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STD020 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 16
Lims Batch ID: 197087 Lims Sample ID: 17
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:43 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:14:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.625	0.001	93	236637	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	954387	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	556792	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	974040	40.0	
* 5 Chrysene-d12	240	13.421	13.427	-0.006	75	1072568	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	98	1024827	40.0	
23 2-Picoline	93	2.881	2.880	0.001	95	177103	20.2	
24 N-Nitrosomethylethylamine	88	2.981	2.980	0.001	92	77720	20.1	
25 Acrylamide	71	3.204	3.227	-0.023	67	58687	18.2	
26 Methyl methanesulfonate	80	3.251	3.251	0.0	88	102551	20.9	
27 N-Nitrosodiethylamine	102	3.609	3.615	-0.006	94	76174	20.0	
29 Ethyl methanesulfonate	79	3.880	3.879	0.001	98	129057	20.4	
37 Pentachloroethane	117	4.361	4.361	0.0	86	53773	19.9	
53 N-Nitrosopyrrolidine	100	4.996	4.996	0.0	92	88324	19.8	
55 N-Nitrosomorpholine	116	5.025	5.031	-0.006	94	35152	20.6	
57 2-Toluidine	106	5.043	5.048	-0.005	86	256928	20.1	
61 N-Nitrosopiperidine	114	5.331	5.336	-0.005	81	84031	20.0	
67 o,o',o''-Triethylphosphorothioat	198	5.548	5.554	-0.006	89	76346	20.8	
73 alpha,alpha-Dimethyl phenethylam	58	5.683	5.707	-0.024	88	445092	19.3	M
81 2,6-Dichlorophenol	162	5.954	5.953	0.001	94	122270	19.9	
82 Hexachloropropene	213	5.977	5.977	0.0	85	84583	19.0	
84 Quinoline	129	6.230	6.229	0.001	96	322651	20.5	
85 N-Nitrosodi-n-butylamine	84	6.242	6.247	-0.005	89	106229	19.8	
87 p-Phenylene diamine	108	6.294	6.300	-0.006	95	204031	19.7	
90 Safrole, Total	162	6.477	6.476	0.001	89	128574	20.2	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	86	19470	3.38	
103 Isosafrole Peak 2	104	7.000	6.999	0.001	94	26335	15.8	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	98	305541	20.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.264	7.264	0.0	92	71446	18.6	
110 1,4-Dinitrobenzene	168	7.323	7.322	0.001	95	43057	17.6	
121 Pentachlorobenzene	250	7.799	7.804	-0.005	97	134310	20.2	
124 1-Naphthylamine	143	7.934	7.939	-0.005	99	355329	20.7	
129 2-Naphthylamine	143	8.010	8.016	-0.006	89	369796	20.7	
133 Thionazin	97	8.116	8.115	0.001	80	76377	19.9	
137 N-Nitro-o-toluidine	152	8.204	8.210	-0.006	96	101517	19.0	
142 Diphenylamine	169	8.292	8.298	-0.006	88	312942	20.3	
146 Sulfotepp	97	8.404	8.403	0.001	81	58040	20.4	
150 Diallate Peak 1	86	8.557	8.556	0.001	96	124836	17.9	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	68	22057	18.2	
152 Phorate	121	8.568	8.574	-0.006	93	65331	20.7	
153 Phenacetin	108	8.592	8.597	-0.005	93	166868	19.3	
155 Diallate Peak 2	86	8.651	8.650	0.001	92	16534	2.22	
158 Dimethoate	87	8.762	8.768	-0.006	93	134184	21.4	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	87	418821	20.5	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	83	38825	19.8	
165 Pronamide	173	8.962	8.967	-0.005	86	149464	19.8	
166 Disulfoton	88	9.097	9.097	0.0	95	168462	20.4	
167 Dinoseb	211	9.103	9.108	-0.005	91	43685	17.9	
172 Methyl parathion	109	9.497	9.502	-0.005	93	110669	21.2	
174 Ethyl Parathion	109	9.926	9.931	-0.005	83	64893	19.1	
175 4-Nitroquinoline-1-oxide	190	10.067	10.049	0.018	36	23488	18.5	
176 Methapyrilene	97	10.067	10.066	0.001	95	185252	23.0	
178 Isodrin	193	10.366	10.366	0.0	92	56861	20.1	
183 Aramite Peak 1	185	11.077	11.083	-0.006	91	12523	8.58	
185 Aramite Peak 2	185	11.212	11.212	0.0	90	16072	9.07	
186 p-Dimethylamino azobenzene	120	11.418	11.423	-0.005	95	142029	18.6	
187 Chlorobenzilate	251	11.477	11.482	-0.005	90	143487	18.9	
191 3,3'-Dimethylbenzidine	212	12.105	12.111	-0.006	96	355986	21.6	
194 2-Acetylaminofluorene	181	12.658	12.669	-0.011	94	190996	17.1	
196 4,4'-Methylene bis(2-chloroanili	231	13.374	13.380	-0.006	92	93130	19.6	
200 6-Methylchrysene	242	14.691	14.702	-0.011	99	385096	19.1	
202 7,12-Dimethylbenz(a)anthracene	256	16.371	16.376	-0.005	88	256808	18.9	
209 3-Methylcholanthrene	268	18.427	18.439	-0.012	77	260612	18.1	
211 Dibenz[a,h]acridine	279	20.078	20.090	-0.012	82	396517	18.3	
212 Dibenz[a,j]acridine	279	20.231	20.242	-0.011	100	411311	18.6	
S 219 Isosafrole	162				0		19.2	
S 220 Diallate	86				0		20.1	
S 221 Aramite, Total	185				0		17.7	

QC Flag Legend

Review Flags
M - Manually Integrated

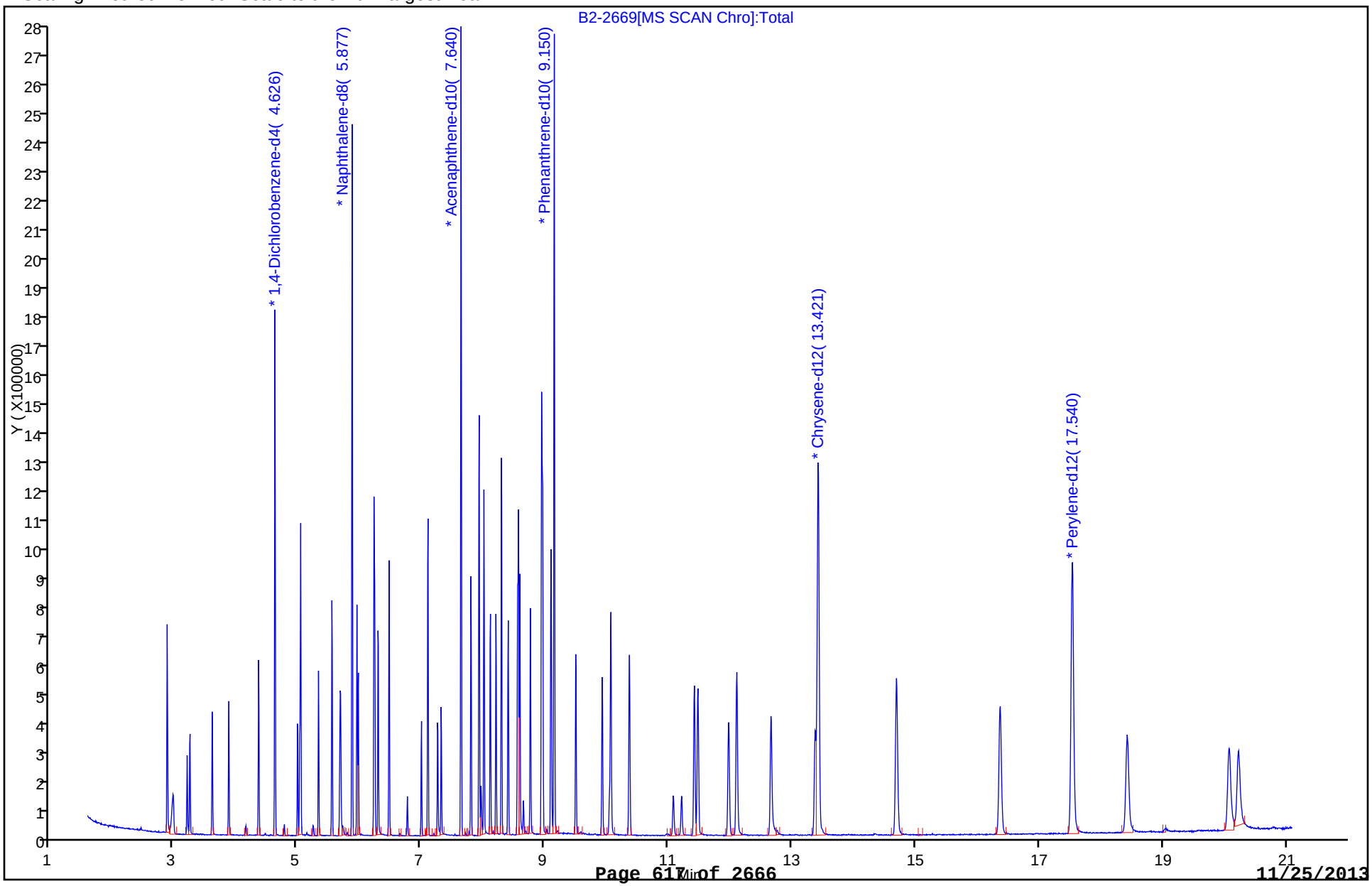
Report Date: 23-Oct-2013 06:54:43 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2669.D

Injection Date:	22-Oct-2013 14:32:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	17
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

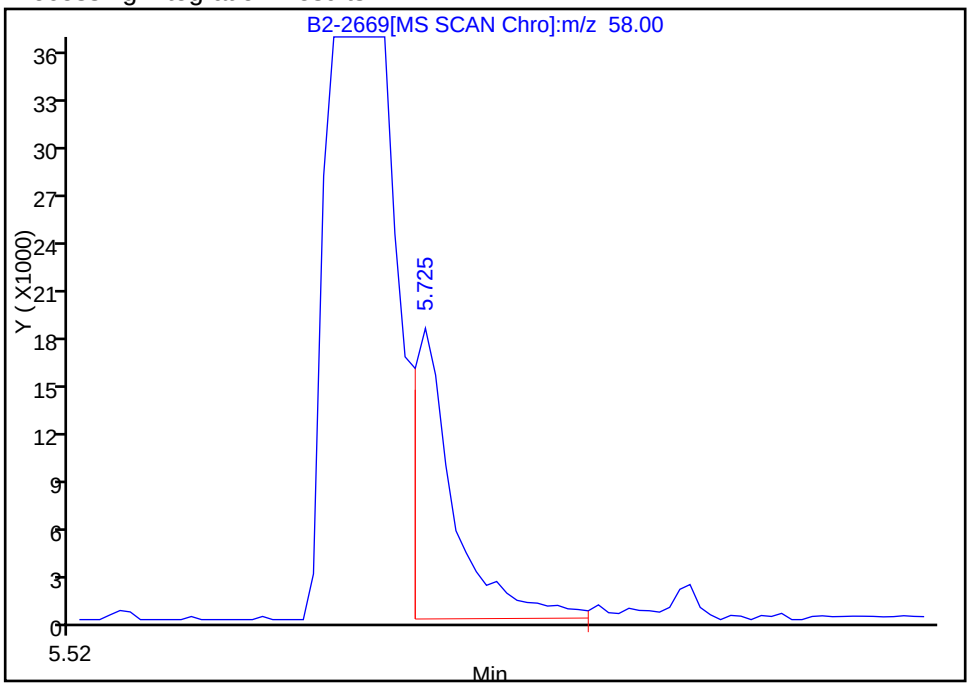
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2669.D		
Injection Date:	22-Oct-2013 14:32:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	17
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

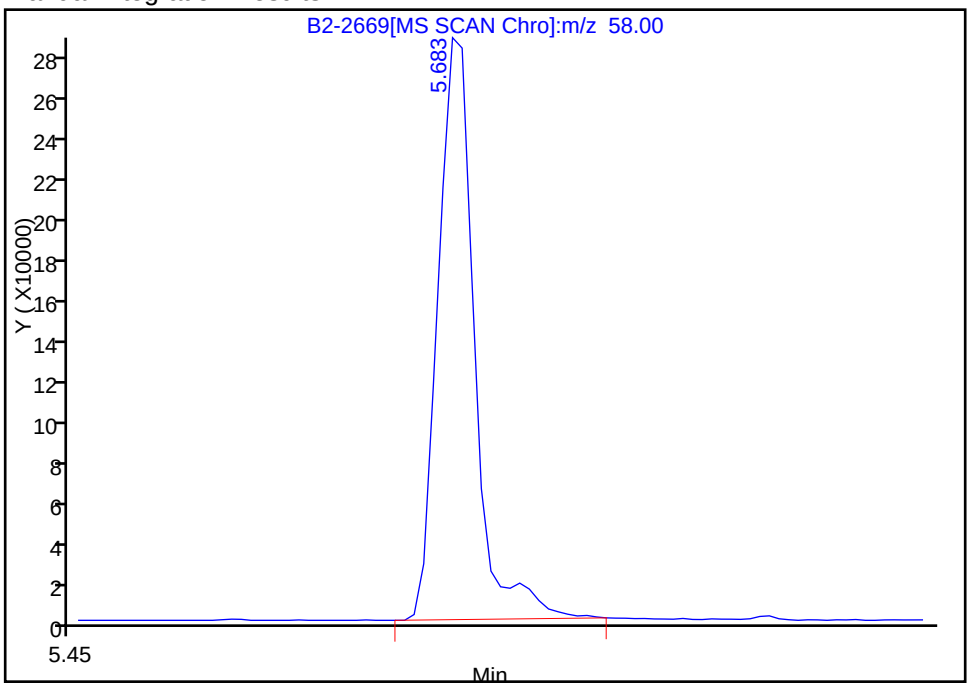
Processing Integration Results

RT: 5.72
Response: 29446
Amount: 9.993711



Manual Integration Results

RT: 5.68
Response: 445092
Amount: 19.323338



Reviewer: kiekeld, 22-Oct-2013 21:14:53
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2670.D
Lims ID: STD050 AP9 Client ID:
Inject. Date: 22-Oct-2013 15:01:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STD050 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 17
Lims Batch ID: 197087 Lims Sample ID: 18
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:44 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:16:54

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	91	242852	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	981149	40.0	
* 3 Acenaphthene-d10	164	7.639	7.640	-0.001	99	588695	40.0	
* 4 Phenanthrene-d10	188	9.149	9.150	-0.001	99	1013582	40.0	
* 5 Chrysene-d12	240	13.421	13.427	-0.006	72	1106638	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	97	1063127	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	461531	51.3	
24 N-Nitrosomethylethylamine	88	2.974	2.980	-0.006	93	201965	51.0	
25 Acrylamide	71	3.221	3.227	-0.006	68	170056	51.4	
26 Methyl methanesulfonate	80	3.250	3.251	-0.001	89	264286	52.6	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	95	202112	51.8	
29 Ethyl methanesulfonate	79	3.879	3.879	0.0	97	330345	51.0	
37 Pentachloroethane	117	4.361	4.361	0.0	88	141806	51.1	
53 N-Nitrosopyrrolidine	100	4.995	4.996	-0.001	87	231744	50.6	
55 N-Nitrosomorpholine	116	5.031	5.031	0.0	93	88306	50.4	
57 2-Toluidine	106	5.043	5.048	-0.006	87	673639	51.4	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	83	220370	51.0	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	88	189208	50.1	
73 alpha,alpha-Dimethyl phenethylam	58	5.701	5.707	-0.006	96	1189358	50.2	
81 2,6-Dichlorophenol	162	5.953	5.953	0.0	93	329986	52.3	
82 Hexachloropropene	213	5.977	5.977	0.0	86	230327	50.5	
84 Quinoline	129	6.229	6.229	0.0	96	842014	52.0	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	92	281921	51.0	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	546081	51.4	
90 Safrole, Total	162	6.476	6.476	0.0	87	335423	51.4	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	90	53855	8.85	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	92	72979	41.4	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	97	787123	50.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.263	7.264	-0.001	87	227519	56.1	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	94	130460	50.4	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	347005	49.3	
124 1-Naphthylamine	143	7.933	7.939	-0.006	99	921537	50.7	
129 2-Naphthylamine	143	8.015	8.016	-0.001	95	965186	51.0	
133 Thionazin	97	8.115	8.115	0.0	80	206431	50.8	
137 N-Nitro-o-toluidine	152	8.209	8.210	-0.001	97	287792	51.1	
142 Diphenylamine	169	8.298	8.298	0.0	93	822746	50.5	
146 Sulfotepp	97	8.403	8.403	0.0	79	146436	49.6	
150 Diallate Peak 1	86	8.556	8.556	0.0	97	327649	45.2	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	71	79828	47.2	
152 Phorate	121	8.574	8.574	0.0	93	173130	52.6	
153 Phenacetin	108	8.597	8.597	0.0	94	467365	51.9	
155 Diallate Peak 2	86	8.650	8.650	0.0	96	46992	6.07	
158 Dimethoate	87	8.768	8.768	0.0	94	351724	53.8	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	86	1116859	52.4	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	85	104190	51.0	
165 Pronamide	173	8.967	8.967	0.0	87	401085	51.0	
166 Disulfoton	88	9.097	9.097	0.0	99	443341	51.5	
167 Dinoseb	211	9.108	9.108	0.0	94	165487	46.3	
172 Methyl parathion	109	9.502	9.502	0.0	95	298826	55.0	
174 Ethyl Parathion	109	9.925	9.931	-0.006	84	184755	52.2	
175 4-Nitroquinoline-1-oxide	190	10.066	10.049	0.017	82	74150	47.0	M
176 Methapyrilene	97	10.066	10.066	0.0	95	447113	53.4	
178 Isodrin	193	10.366	10.366	0.0	93	150924	51.1	
183 Aramite Peak 1	185	11.082	11.083	-0.001	96	42302	23.3	
185 Aramite Peak 2	185	11.212	11.212	0.0	94	52274	28.6	
186 p-Dimethylamino azobenzene	120	11.417	11.423	-0.006	95	413916	52.5	
187 Chlorobenzilate	251	11.476	11.482	-0.006	90	400407	51.2	
191 3,3'-Dimethylbenzidine	212	12.105	12.111	-0.006	95	895745	52.7	
194 2-Acetylaminofluorene	181	12.663	12.669	-0.006	93	600408	52.2	
196 4,4'-Methylene bis(2-chloroanili	231	13.380	13.380	0.0	86	256619	52.3	
200 6-Methylchrysene	242	14.696	14.702	-0.006	99	1063656	51.2	
202 7,12-Dimethylbenz(a)anthracene	256	16.370	16.376	-0.006	85	714303	50.7	
209 3-Methylcholanthrene	268	18.433	18.439	-0.006	74	757647	50.7	
211 Dibenz[a,h]acridine	279	20.090	20.090	0.0	87	1116926	49.6	
212 Dibenz[a,j]acridine	279	20.236	20.242	-0.006	100	1173316	51.0	
S 219 Isosafrole	162				0		50.3	
S 220 Diallate	86				0		51.2	
S 221 Aramite, Total	185				0		51.9	

QC Flag Legend

Review Flags
M - Manually Integrated

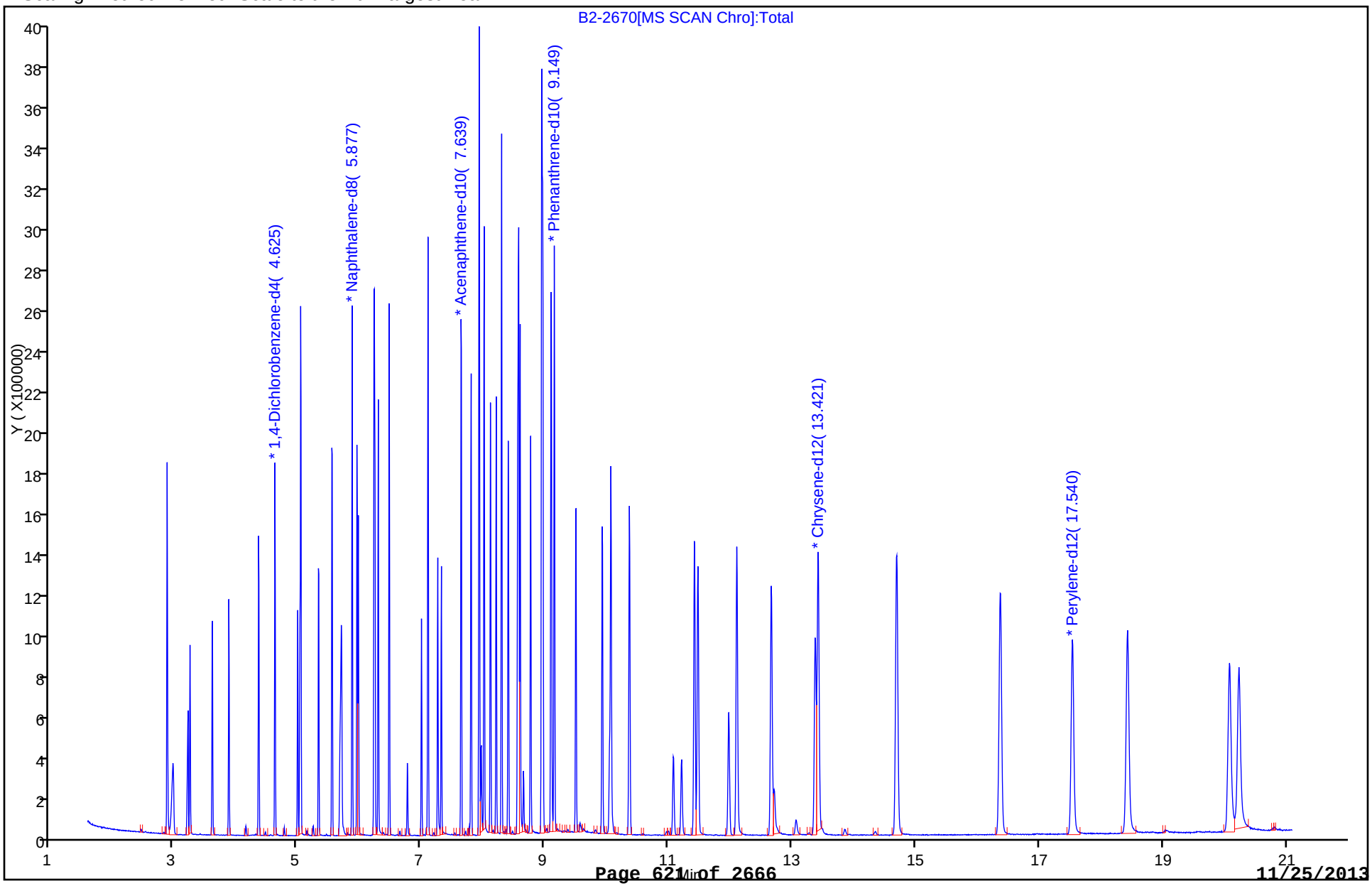
Report Date: 23-Oct-2013 06:54:44 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2670.D

Injection Date:	22-Oct-2013 15:01:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	18
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

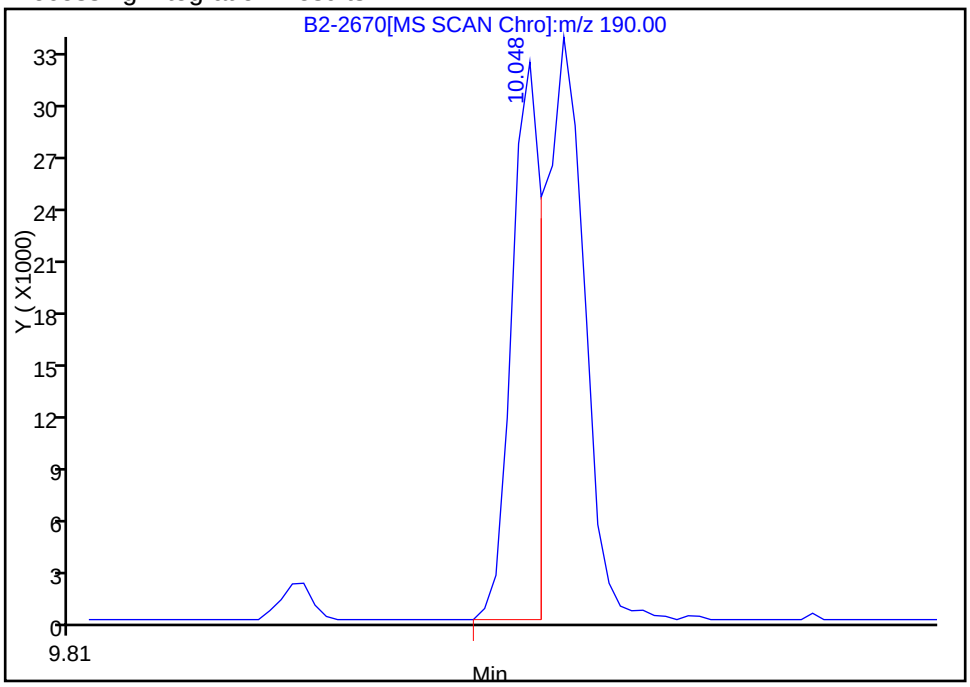
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2670.D		
Injection Date:	22-Oct-2013 15:01:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	18
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

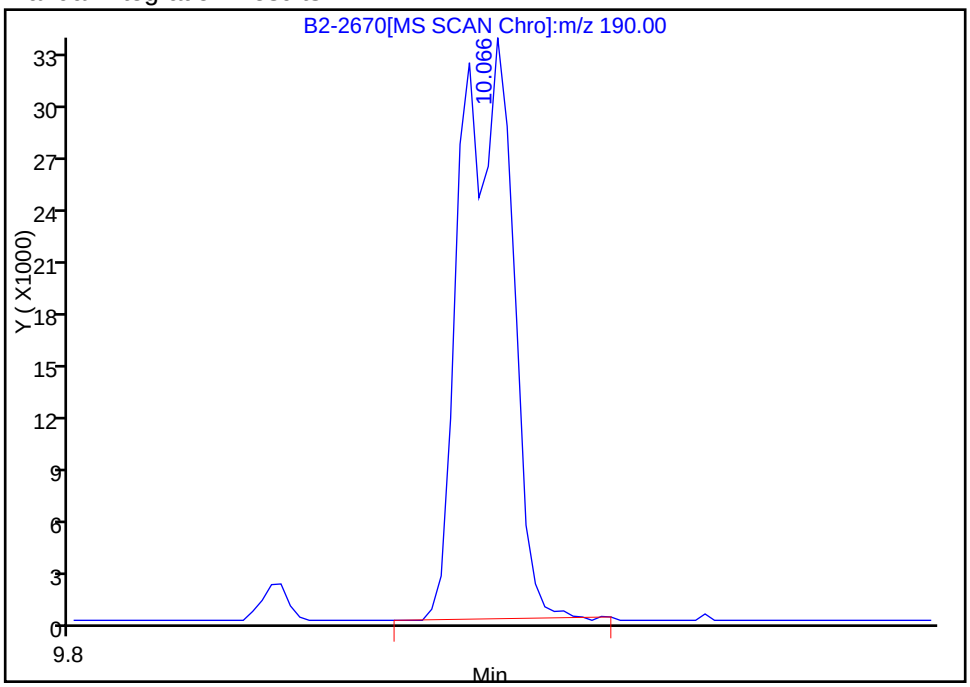
Processing Integration Results

RT: 10.05
Response: 34493
Amount: 25.708292



Manual Integration Results

RT: 10.07
Response: 74150
Amount: 47.007763



Reviewer: kiekeld, 22-Oct-2013 21:16:54
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D
Lims ID: STD120 AP9 Client ID:
Inject. Date: 22-Oct-2013 15:30:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STD120 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 18
Lims Batch ID: 197087 Lims Sample ID: 19
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:44 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:18:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.625	0.001	93	244672	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	98	984463	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	578941	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	1022219	40.0	
* 5 Chrysene-d12	240	13.427	13.427	0.0	81	1131443	40.0	
* 6 Perylene-d12	264	17.546	17.540	0.006	98	1070377	40.0	
23 2-Picoline	93	2.881	2.880	0.0	95	1076873	118.7	
24 N-Nitrosomethylethylamine	88	2.980	2.980	0.0	93	479372	120.1	
25 Acrylamide	71	3.239	3.227	0.012	68	424465	127.4	
26 Methyl methanesulfonate	80	3.257	3.251	0.006	88	585497	115.7	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	94	469179	119.3	
29 Ethyl methanesulfonate	79	3.885	3.879	0.006	97	771215	118.2	
37 Pentachloroethane	117	4.361	4.361	0.0	86	333402	119.3	
53 N-Nitrosopyrrolidine	100	5.002	4.996	0.006	89	556930	120.6	
55 N-Nitrosomorpholine	116	5.037	5.031	0.006	94	210001	118.9	
57 2-Toluidine	106	5.049	5.048	0.001	86	1564115	118.5	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	84	516056	118.9	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	87	441764	116.6	
73 alpha,alpha-Dimethyl phenethylam	58	5.718	5.707	0.011	97	2876029	121.0	M
81 2,6-Dichlorophenol	162	5.959	5.953	0.006	96	767294	121.3	
82 Hexachloropropene	213	5.977	5.977	0.0	87	567493	123.9	
84 Quinoline	129	6.235	6.229	0.006	96	1930295	118.4	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	92	659829	119.0	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	1291577	121.1	
90 Safrole, Total	162	6.476	6.476	0.0	88	783159	119.5	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	90	128556	21.5	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	92	173139	100.0	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	98	1806688	118.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.264	7.264	0.0	88	538985	135.2	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	95	332724	130.8	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	824984	119.3	
124 1-Naphthylamine	143	7.939	7.939	0.0	99	2141975	119.7	
129 2-Naphthylamine	143	8.016	8.016	0.0	95	2190817	117.7	
133 Thionazin	97	8.116	8.115	0.001	80	481706	120.6	
137 N-Nitro-o-toluidine	152	8.215	8.210	0.005	97	686761	123.9	
142 Diphenylamine	169	8.298	8.298	0.0	90	1915233	119.4	
146 Sulfotepp	97	8.403	8.403	0.0	80	352690	118.4	
150 Diallate Peak 1	86	8.556	8.556	0.0	97	761587	104.1	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	71	227530	121.5	
152 Phorate	121	8.574	8.574	0.0	93	387891	116.8	
153 Phenacetin	108	8.603	8.597	0.006	94	1108513	122.0	
155 Diallate Peak 2	86	8.650	8.650	0.0	97	112510	14.4	
158 Dimethoate	87	8.774	8.768	0.006	94	763152	115.8	
162 4-Aminobiphenyl	169	8.950	8.944	0.006	87	2540314	118.3	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	84	248387	120.6	
165 Pronamide	173	8.967	8.967	0.0	87	936267	118.0	
166 Disulfoton	88	9.097	9.097	0.0	98	1026195	118.2	
167 Dinoseb	211	9.108	9.108	0.0	95	482803	120.3	
172 Methyl parathion	109	9.502	9.502	0.0	94	651569	119.0	
174 Ethyl Parathion	109	9.931	9.931	0.0	85	450177	126.1	
175 4-Nitroquinoline-1-oxide	190	10.049	10.049	0.0	95	207738	122.5	M
176 Methapyrilene	97	10.072	10.066	0.006	95	926083	109.6	
178 Isodrin	193	10.372	10.366	0.006	94	356547	119.8	
183 Aramite Peak 1	185	11.083	11.083	0.0	96	108685	55.3	
185 Aramite Peak 2	185	11.212	11.212	0.0	94	130978	70.1	
186 p-Dimethylamino azobenzene	120	11.423	11.423	0.0	95	1005371	124.8	
187 Chlorobenzilate	251	11.482	11.482	0.0	92	982369	122.8	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	2001822	115.2	
194 2-Acetylaminofluorene	181	12.675	12.669	0.006	94	1539390	131.0	
196 4,4'-Methylene bis(2-chloroanili	231	13.386	13.380	0.006	88	611410	121.9	
200 6-Methylchrysene	242	14.708	14.702	0.006	99	2600851	122.4	
202 7,12-Dimethylbenz(a)anthracene	256	16.382	16.376	0.006	81	1738948	122.7	
209 3-Methylcholanthrene	268	18.445	18.439	0.006	74	1904198	126.5	
211 Dibenz[a,h]acridine	279	20.096	20.090	0.006	87	2828220	124.7	
212 Dibenz[a,j]acridine	279	20.254	20.242	0.012	100	2844224	122.9	
S 219 Isosafrole	162				0		121.5	
S 220 Diallate	86				0		118.5	
S 221 Aramite, Total	185				0		125.3	

QC Flag Legend

Review Flags
M - Manually Integrated

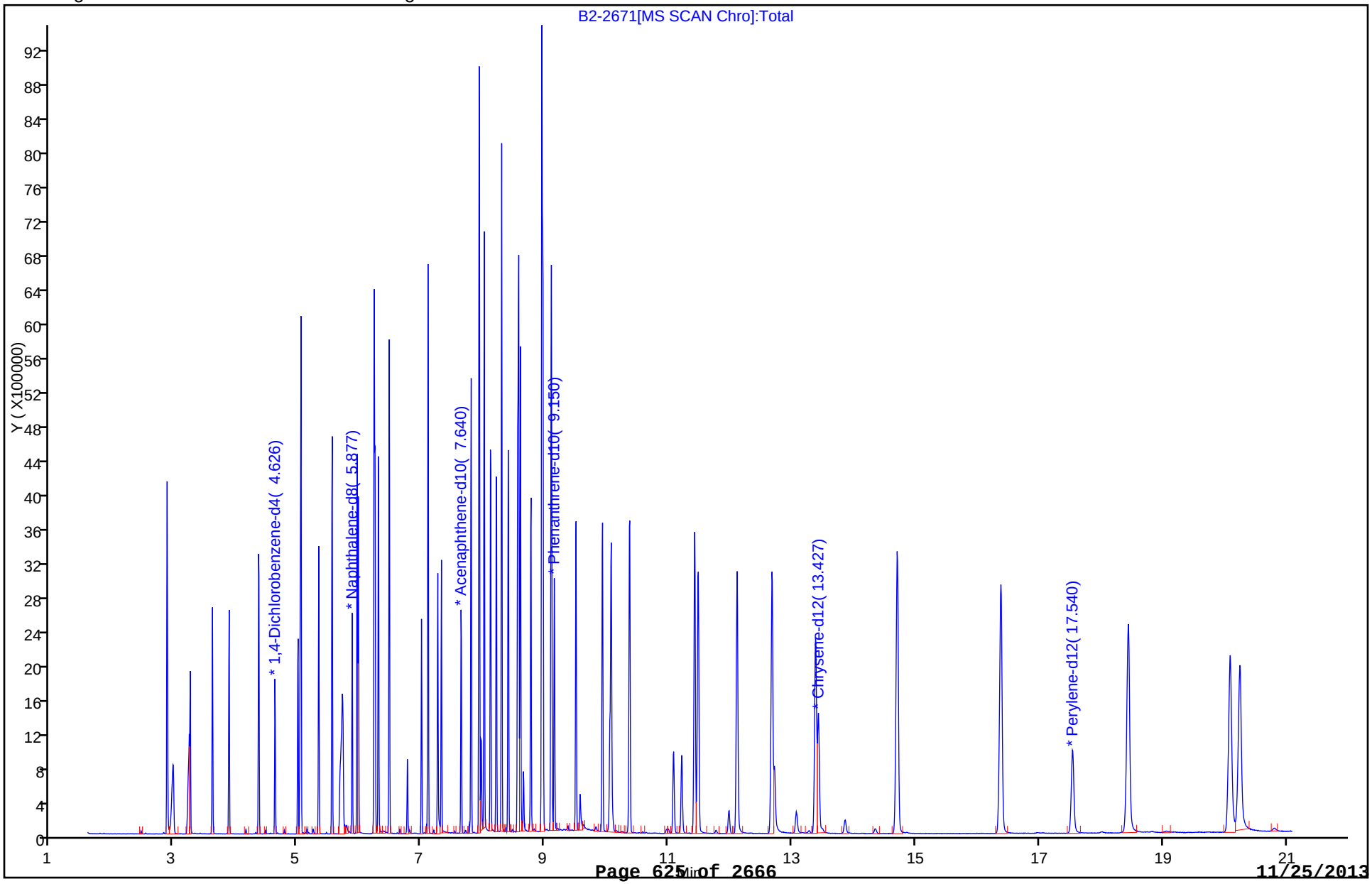
Report Date: 23-Oct-2013 06:54:45 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D

Injection Date:	22-Oct-2013 15:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	19
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

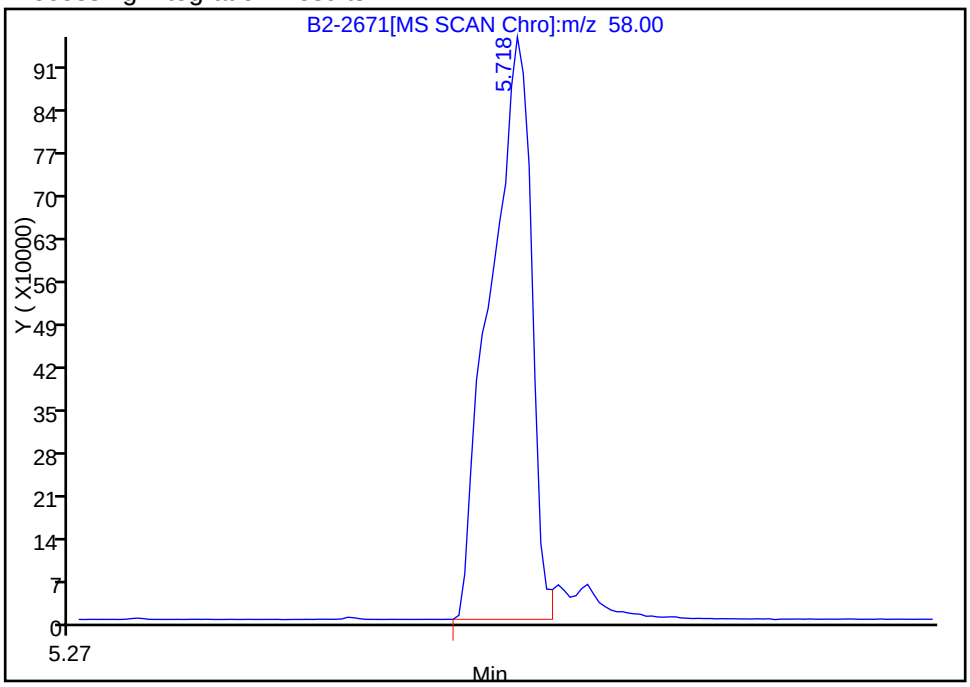
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D		
Injection Date:	22-Oct-2013 15:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	19
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

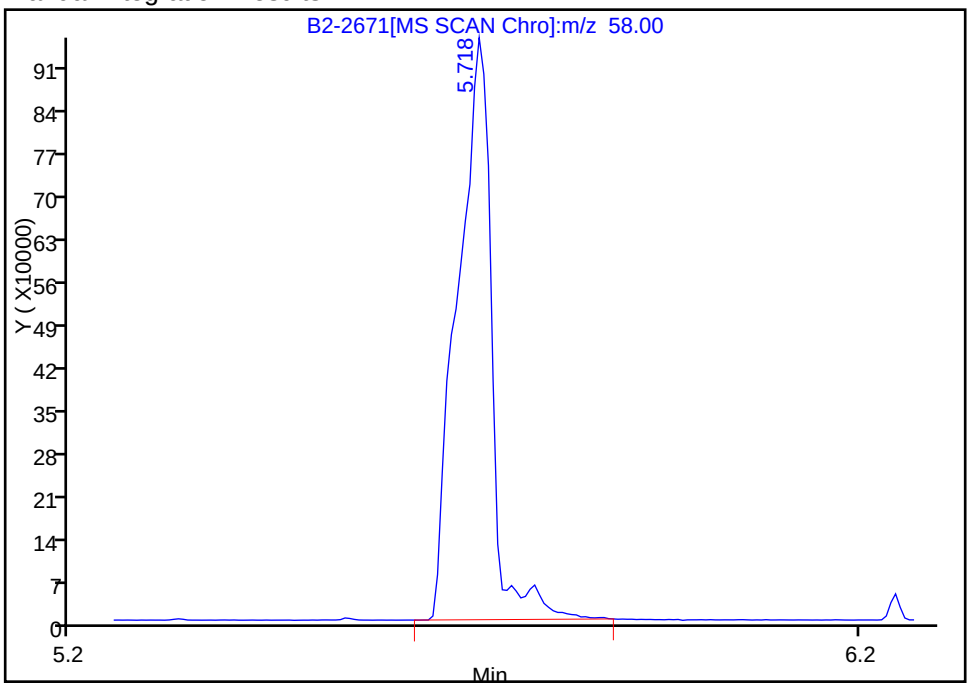
Processing Integration Results

RT: 5.72
Response: 2722120
Amount: 120.5598



Manual Integration Results

RT: 5.72
Response: 2876029
Amount: 121.0461



Reviewer: kiekeld, 22-Oct-2013 21:18:33
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

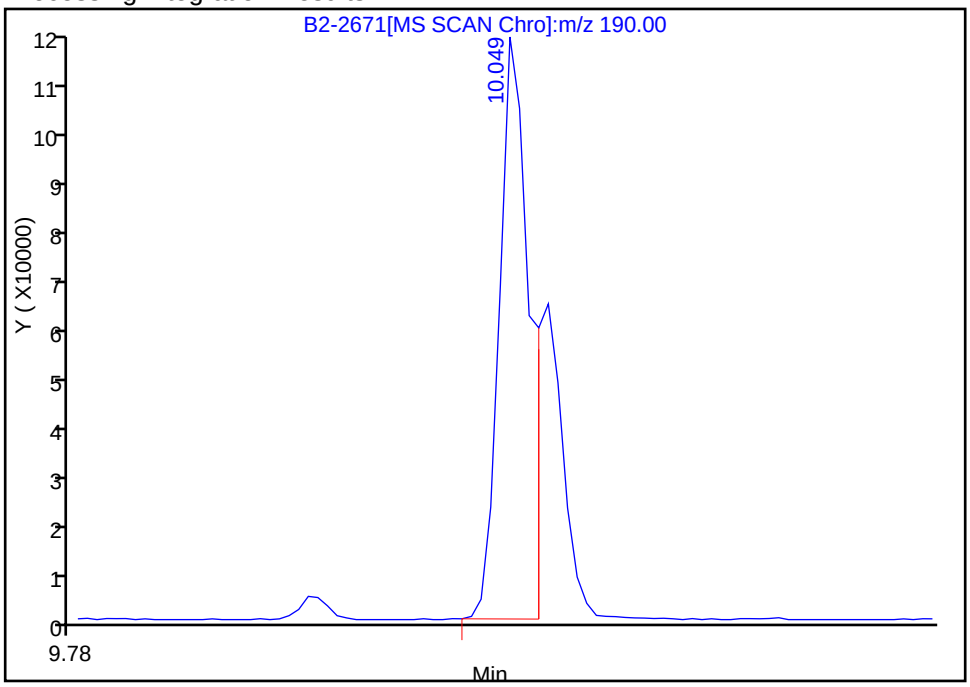
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2671.D		
Injection Date:	22-Oct-2013 15:30:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	19
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

175 4-Nitroquinoline-1-oxide, Signal: 1, m/z: 190.0 Type: quant, RT: 10.05

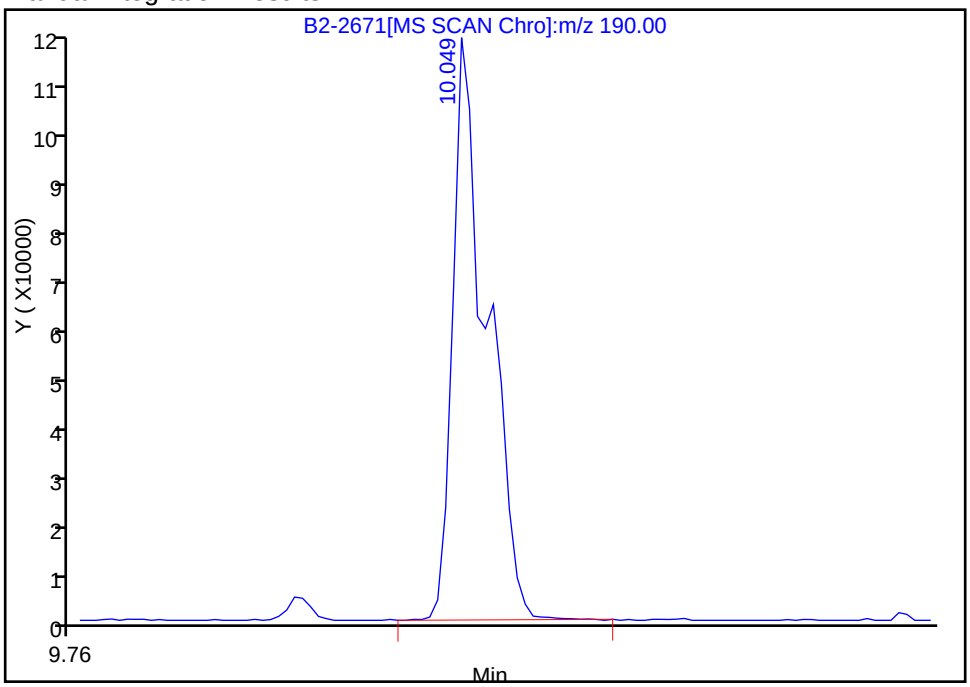
Processing Integration Results

RT: 10.05
Response: 154879
Amount: 105.5457



Manual Integration Results

RT: 10.05
Response: 207738
Amount: 122.5390



Reviewer: kiekeld, 22-Oct-2013 21:18:33
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2672.D
Lims ID: STD160 AP9 Client ID:
Inject. Date: 22-Oct-2013 15:58:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STD160 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 19
Lims Batch ID: 197087 Lims Sample ID: 20
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:45 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:20:27

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.628	4.625	0.003	92	239396	40.0	
* 2 Naphthalene-d8	136	5.874	5.877	-0.003	99	952224	40.0	
* 3 Acenaphthene-d10	164	7.642	7.640	0.002	97	558801	40.0	
* 4 Phenanthrene-d10	188	9.152	9.150	0.002	99	977682	40.0	
* 5 Chrysene-d12	240	13.430	13.427	0.003	77	1091681	40.0	
* 6 Perylene-d12	264	17.542	17.540	0.002	98	1019705	40.0	
23 2-Picoline	93	2.877	2.880	-0.003	95	1412034	159.1	
24 N-Nitrosomethylethylamine	88	2.977	2.980	-0.003	94	630722	161.5	
25 Acrylamide	71	3.247	3.227	0.020	71	566244	173.7	
26 Methyl methanesulfonate	80	3.259	3.251	0.008	88	757652	153.0	
27 N-Nitrosodiethylamine	102	3.618	3.615	0.003	95	621599	161.5	
29 Ethyl methanesulfonate	79	3.888	3.879	0.009	97	1006584	157.6	
37 Pentachloroethane	117	4.364	4.361	0.003	85	444206	162.5	
53 N-Nitrosopyrrolidine	100	4.998	4.996	0.002	89	739799	163.8	
55 N-Nitrosomorpholine	116	5.034	5.031	0.003	94	277783	160.7	
57 2-Toluidine	106	5.051	5.048	0.003	86	2043055	158.2	
61 N-Nitrosopiperidine	114	5.339	5.336	0.003	85	687250	163.8	
67 o,o',o''-Triethylphosphorothioat	198	5.551	5.554	-0.003	89	591437	161.4	
73 alpha,alpha-Dimethyl phenethylam	58	5.727	5.707	0.020	96	3838858	167.0	M
81 2,6-Dichlorophenol	162	5.956	5.953	0.003	94	975737	159.5	
82 Hexachloropropene	213	5.974	5.977	-0.003	87	766269	173.0	
84 Quinoline	129	6.232	6.229	0.003	96	2515364	157.6	
85 N-Nitrosodi-n-butylamine	84	6.250	6.247	0.003	93	857419	159.9	
87 p-Phenylene diamine	108	6.303	6.300	0.003	95	1652358	160.1	
90 Safrole, Total	162	6.479	6.476	0.003	90	1037058	163.6	
99 Isosafrole Peak 1	162	6.773	6.770	0.003	91	172150	29.8	
103 Isosafrole Peak 2	104	7.002	6.999	0.003	93	230635	138.0	
107 1-Chloronaphthalene	162	7.108	7.105	0.003	98	2354324	159.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.266	7.264	0.002	91	665352	172.9	
110 1,4-Dinitrobenzene	168	7.325	7.322	0.003	95	445441	181.4	
121 Pentachlorobenzene	250	7.807	7.804	0.003	97	1086753	162.8	
124 1-Naphthylamine	143	7.936	7.939	-0.003	99	2763065	160.0	
129 2-Naphthylamine	143	8.018	8.016	0.002	96	2870140	159.8	
133 Thionazin	97	8.118	8.115	0.003	80	628693	163.1	
137 N-Nitro-o-toluidine	152	8.212	8.210	0.002	97	911876	170.4	
142 Diphenylamine	169	8.300	8.298	0.002	89	2494924	161.2	
146 Sulfotepp	97	8.406	8.403	0.003	80	455559	159.9	
150 Diallate Peak 1	86	8.559	8.556	0.003	96	988855	141.3	
151 1,3,5-Trinitrobenzene	213	8.576	8.574	0.002	71	316624	173.8	
152 Phorate	121	8.576	8.574	0.002	92	501607	158.0	
153 Phenacetin	108	8.606	8.597	0.009	94	1457958	167.8	
155 Diallate Peak 2	86	8.653	8.650	0.003	98	148808	19.9	
158 Dimethoate	87	8.776	8.768	0.008	94	949418	150.6	
162 4-Aminobiphenyl	169	8.947	8.944	0.003	87	3220510	156.7	
164 Pentachloronitrobenzene	237	8.958	8.956	0.002	82	322635	163.8	
165 Pronamide	173	8.970	8.967	0.003	88	1232604	162.5	
166 Disulfoton	88	9.099	9.097	0.002	98	1313476	158.2	
167 Dinoseb	211	9.111	9.108	0.003	96	679807	173.7	
172 Methyl parathion	109	9.499	9.502	-0.003	94	799632	152.7	
174 Ethyl Parathion	109	9.928	9.931	-0.003	85	588868	172.4	
175 4-Nitroquinoline-1-oxide	190	10.051	10.049	0.002	94	288732	176.0	
176 Methapyrilene	97	10.069	10.066	0.003	95	1154693	142.9	
178 Isodrin	193	10.368	10.366	0.002	93	470634	165.4	
183 Aramite Peak 1	185	11.079	11.083	-0.004	96	142997	74.6	
185 Aramite Peak 2	185	11.215	11.212	0.002	94	173303	96.1	
186 p-Dimethylamino azobenzene	120	11.426	11.423	0.003	95	1324964	170.4	
187 Chlorobenzilate	251	11.479	11.482	-0.003	92	1298021	168.2	
191 3,3'-Dimethylbenzidine	212	12.113	12.111	0.002	96	2615275	156.0	
194 2-Acetylaminofluorene	181	12.677	12.669	0.008	94	2048746	180.7	
196 4,4'-Methylene bis(2-chloroanili	231	13.383	13.380	0.003	88	795511	164.4	
200 6-Methylchrysene	242	14.705	14.702	0.003	99	3415720	166.6	
202 7,12-Dimethylbenz(a)anthracene	256	16.391	16.376	0.015	87	2326342	172.3	
209 3-Methylcholanthrene	268	18.453	18.439	0.014	76	2537669	176.9	
211 Dibenz[a,h]acridine	279	20.104	20.090	0.014	85	3821557	176.9	
212 Dibenz[a,j]acridine	279	20.257	20.242	0.015	100	3836029	174.0	
S 219 Isosafrole	162				0		167.8	
S 220 Diallate	86				0		161.2	
S 221 Aramite, Total	185				0		170.7	

QC Flag Legend

Review Flags
M - Manually Integrated

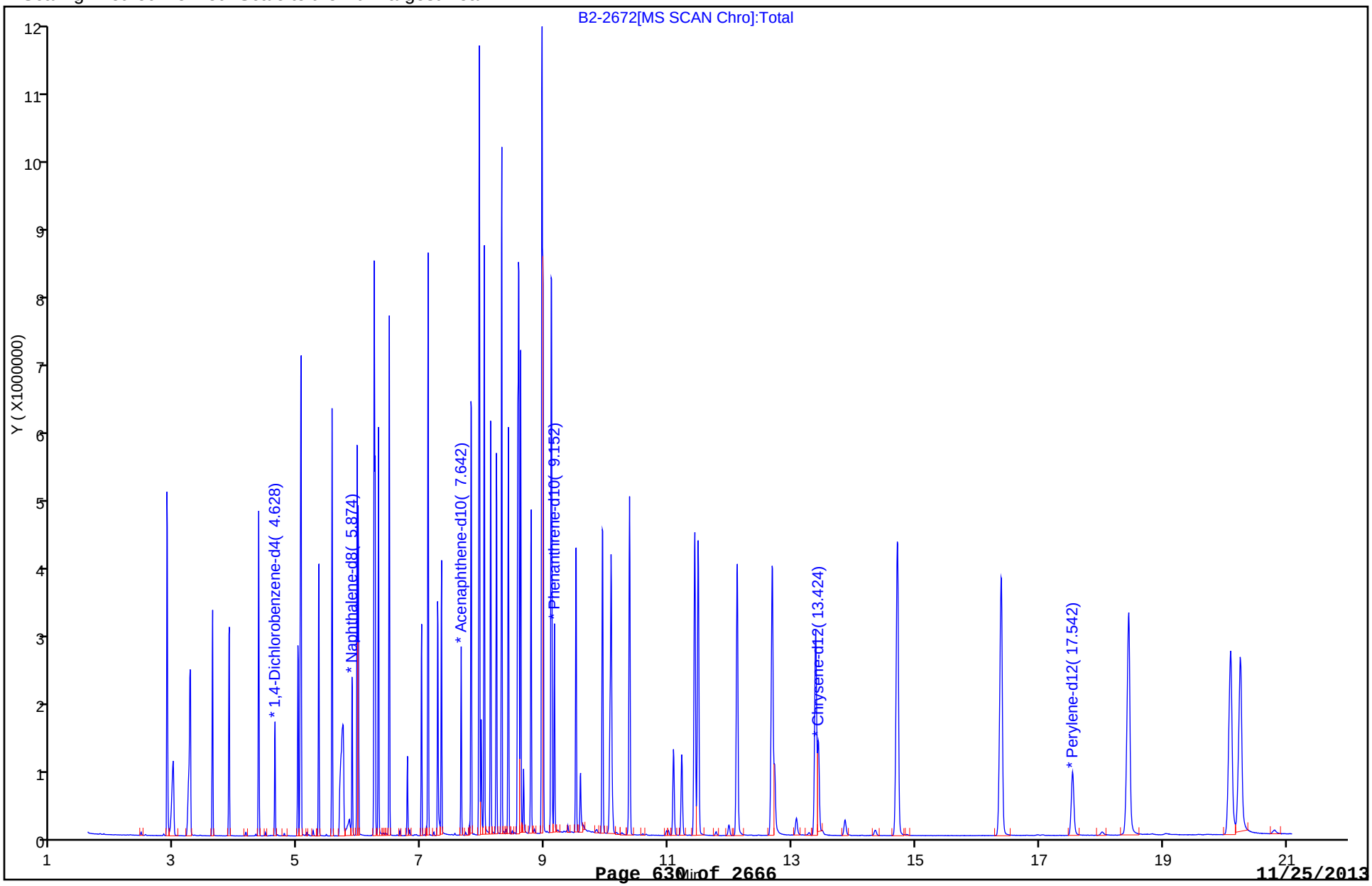
Report Date: 23-Oct-2013 06:54:45 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2672.D

Injection Date:	22-Oct-2013 15:58:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	20
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

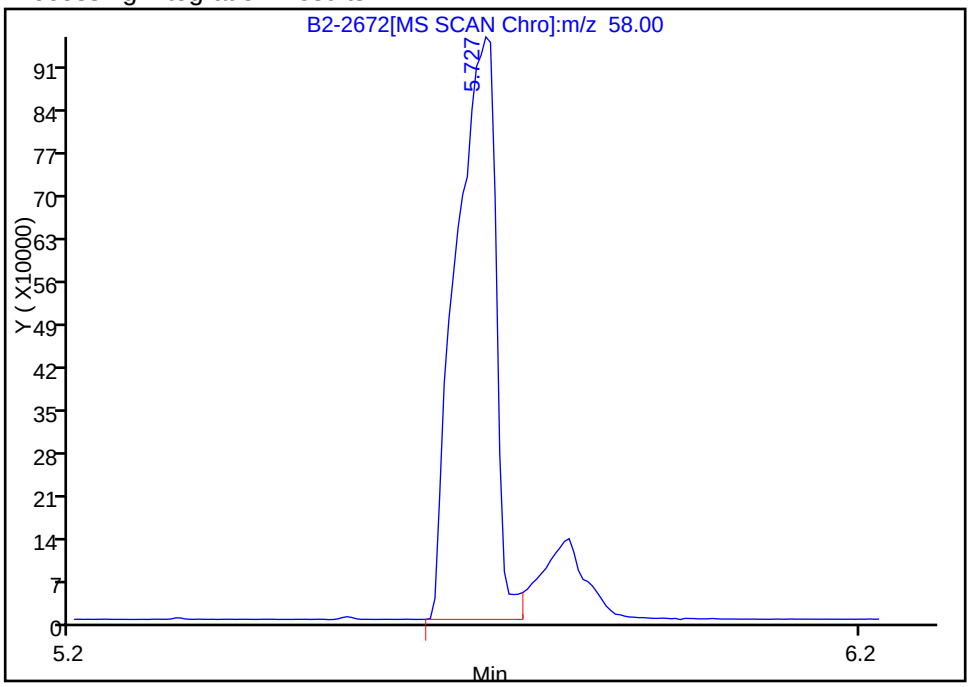
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2672.D		
Injection Date:	22-Oct-2013 15:58:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	20
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

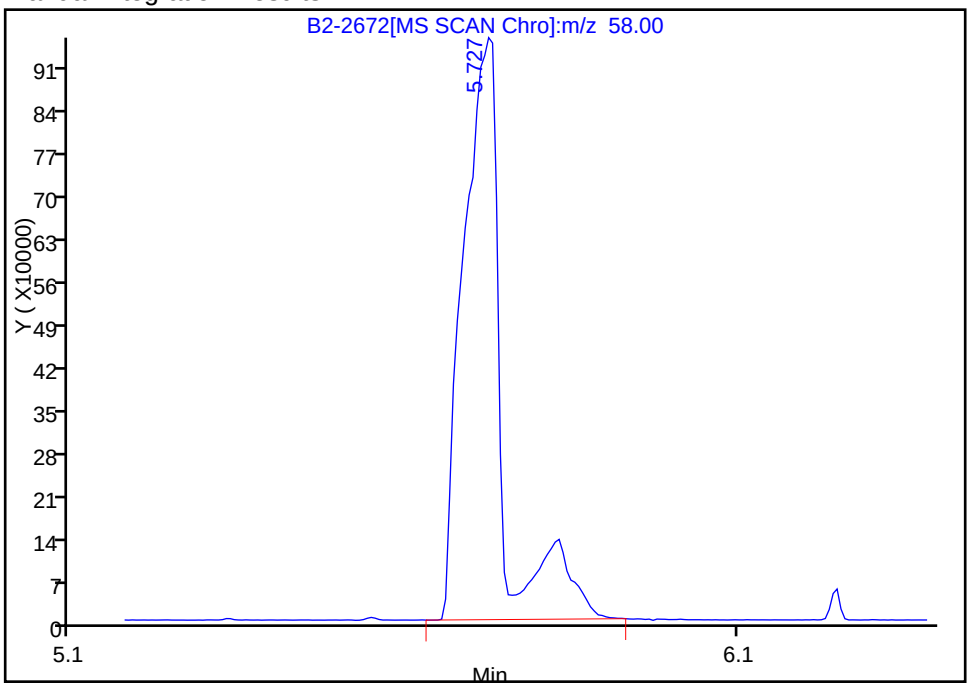
Processing Integration Results

RT: 5.73
Response: 3352321
Amount: 152.2618



Manual Integration Results

RT: 5.73
Response: 3838858
Amount: 167.0397



Reviewer: kiekeld, 22-Oct-2013 21:20:27
Audit Action: Manually Integrated
Audit Reason: Split Peak

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2673.D
Lims ID: STD200 AP9 Client ID:
Inject. Date: 22-Oct-2013 16:27:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 8
Sample ID: STD200 AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 20
Lims Batch ID: 197087 Lims Sample ID: 21
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:46 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:23:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	91	242514	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	973618	40.0	
* 3 Acenaphthene-d10	164	7.639	7.640	-0.001	99	580105	40.0	
* 4 Phenanthrene-d10	188	9.155	9.150	0.005	99	1002531	40.0	
* 5 Chrysene-d12	240	13.427	13.427	0.0	80	1091995	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	98	995272	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	1689701	187.9	
24 N-Nitrosomethylethylamine	88	2.980	2.980	0.0	93	763655	193.0	
25 Acrylamide	71	3.256	3.227	0.029	65	705036	213.5	
26 Methyl methanesulfonate	80	3.256	3.251	0.005	89	905332	180.4	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	94	755646	193.8	
29 Ethyl methanesulfonate	79	3.885	3.879	0.006	97	1240757	191.8	
37 Pentachloroethane	117	4.361	4.361	0.0	86	540168	195.0	
53 N-Nitrosopyrrolidine	100	5.001	4.996	0.005	89	908602	198.5	
55 N-Nitrosomorpholine	116	5.037	5.031	0.006	94	346483	197.8	
57 2-Toluidine	106	5.048	5.048	0.0	87	2483605	189.9	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	81	844272	196.8	
67 o,o',o''-Triethylphosphorothioat	198	5.554	5.554	0.0	86	728417	194.4	
73 alpha,alpha-Dimethyl phenethylam	58	5.718	5.707	0.011	97	4859107	206.8	M
81 2,6-Dichlorophenol	162	5.959	5.953	0.006	96	1194671	190.9	
82 Hexachloropropene	213	5.977	5.977	0.0	86	927691	204.8	
84 Quinoline	129	6.235	6.229	0.006	96	3084488	190.8	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	92	1068434	194.9	
87 p-Phenylene diamine	108	6.306	6.300	0.006	95	1878908	178.1	
90 Safrole, Total	162	6.476	6.476	0.0	89	1266743	195.5	
99 Isosafrole Peak 1	162	6.770	6.770	0.0	89	211892	35.3	
103 Isosafrole Peak 2	104	6.999	6.999	0.0	92	286283	165.0	
107 1-Chloronaphthalene	162	7.105	7.105	0.0	98	2918154	190.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.263	7.264	-0.001	89	759593	190.2	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	95	564909	221.6	
121 Pentachlorobenzene	250	7.804	7.804	0.0	97	1360233	196.3	
124 1-Naphthylamine	143	7.939	7.939	0.0	99	3409819	190.2	
129 2-Naphthylamine	143	8.015	8.016	-0.001	95	3563972	191.1	
133 Thionazin	97	8.121	8.115	0.006	80	790354	197.5	
137 N-Nitro-o-toluidine	152	8.215	8.210	0.005	97	1124017	202.4	
142 Diphenylamine	169	8.297	8.298	-0.001	89	3085249	192.0	
146 Sulfotepp	97	8.403	8.403	0.0	82	561120	192.0	
150 Diallate Peak 1	86	8.556	8.556	0.0	96	1228205	171.1	
151 1,3,5-Trinitrobenzene	213	8.580	8.574	0.006	71	391971	208.5	
152 Phorate	121	8.574	8.574	0.0	91	630885	193.8	
153 Phenacetin	108	8.609	8.597	0.012	94	1770007	198.7	
155 Diallate Peak 2	86	8.650	8.650	0.0	97	184446	24.1	
158 Dimethoate	87	8.773	8.768	0.005	94	1083276	167.6	
162 4-Aminobiphenyl	169	8.950	8.944	0.006	86	4004548	190.1	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	85	404048	200.0	
165 Pronamide	173	8.973	8.967	0.006	86	1531557	196.9	
166 Disulfoton	88	9.102	9.097	0.005	97	1632971	191.8	
167 Dinoseb	211	9.108	9.108	0.0	96	876433	216.6	
172 Methyl parathion	109	9.502	9.502	0.0	94	921423	171.6	
174 Ethyl Parathion	109	9.931	9.931	0.0	85	724272	206.8	
175 4-Nitroquinoline-1-oxide	190	10.054	10.049	0.005	93	349749	207.1	
176 Methapyrilene	97	10.072	10.066	0.006	95	1313484	158.5	
178 Isodrin	193	10.366	10.366	0.0	93	591719	202.7	
183 Aramite Peak 1	185	11.082	11.083	-0.001	97	177551	92.1	
185 Aramite Peak 2	185	11.218	11.212	0.006	94	210053	116.5	
186 p-Dimethylamino azobenzene	120	11.429	11.423	0.006	95	1615039	207.6	
187 Chlorobenzilate	251	11.482	11.482	0.0	93	1604503	207.8	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	3093286	184.5	
194 2-Acetylaminofluorene	181	12.686	12.669	0.017	93	2454033	216.4	
196 4,4'-Methylene bis(2-chloroanili	231	13.386	13.380	0.006	88	953944	197.0	
200 6-Methylchrysene	242	14.713	14.702	0.011	99	4121796	200.9	
202 7,12-Dimethylbenz(a)anthracene	256	16.388	16.376	0.012	80	2808297	213.1	
209 3-Methylcholanthrene	268	18.456	18.439	0.017	75	3036622	216.9	
211 Dibenz[a,h]acridine	279	20.107	20.090	0.017	87	4554462	216.0	
212 Dibenz[a,j]acridine	279	20.266	20.242	0.024	100	4575253	212.6	
S 219 Isosafrole	162				0		200.3	
S 220 Diallate	86				0		195.2	
S 221 Aramite, Total	185				0		208.5	

QC Flag Legend

Review Flags
M - Manually Integrated

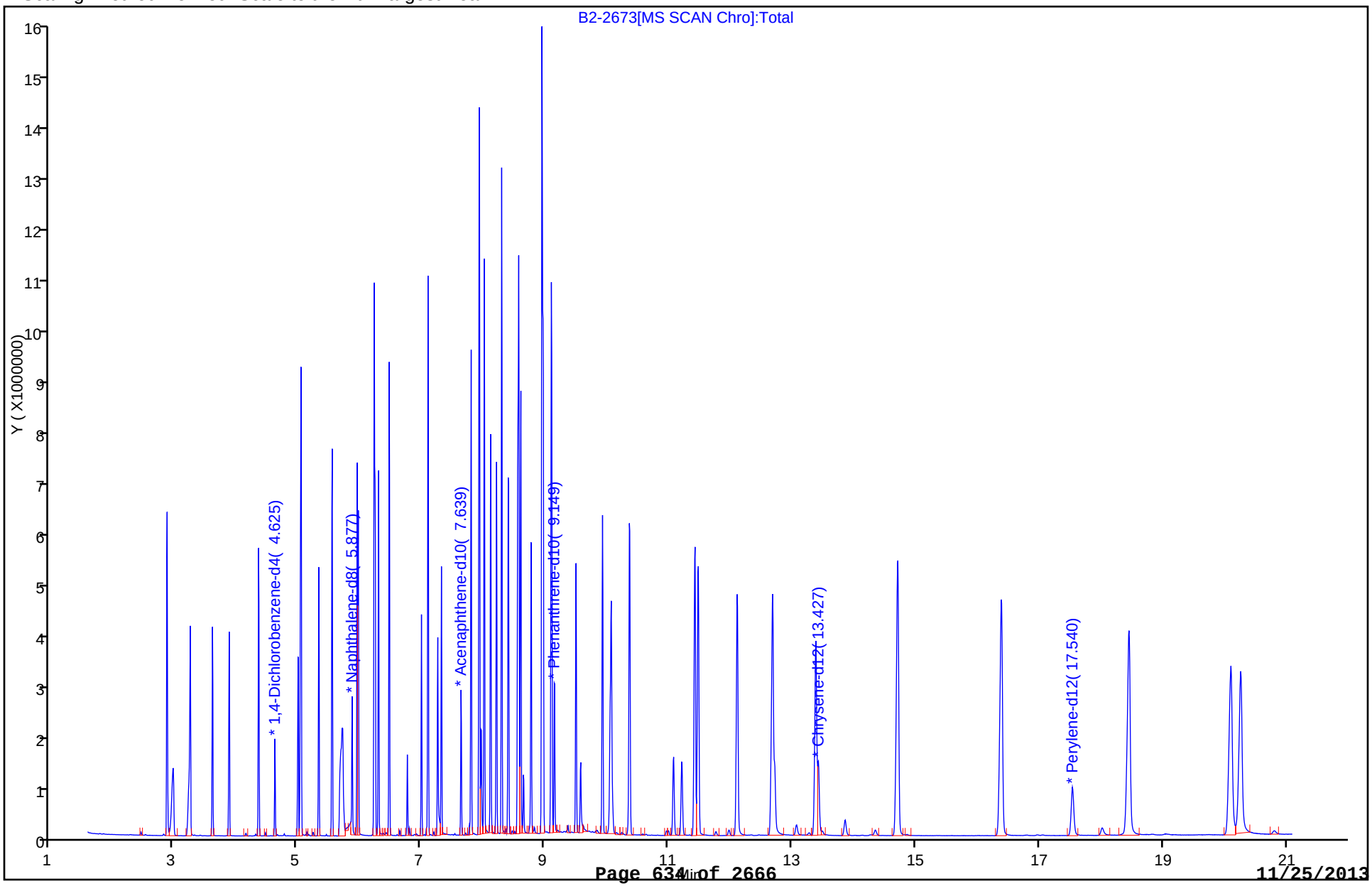
Report Date: 23-Oct-2013 06:54:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2673.D

Injection Date:	22-Oct-2013 16:27:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	21
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

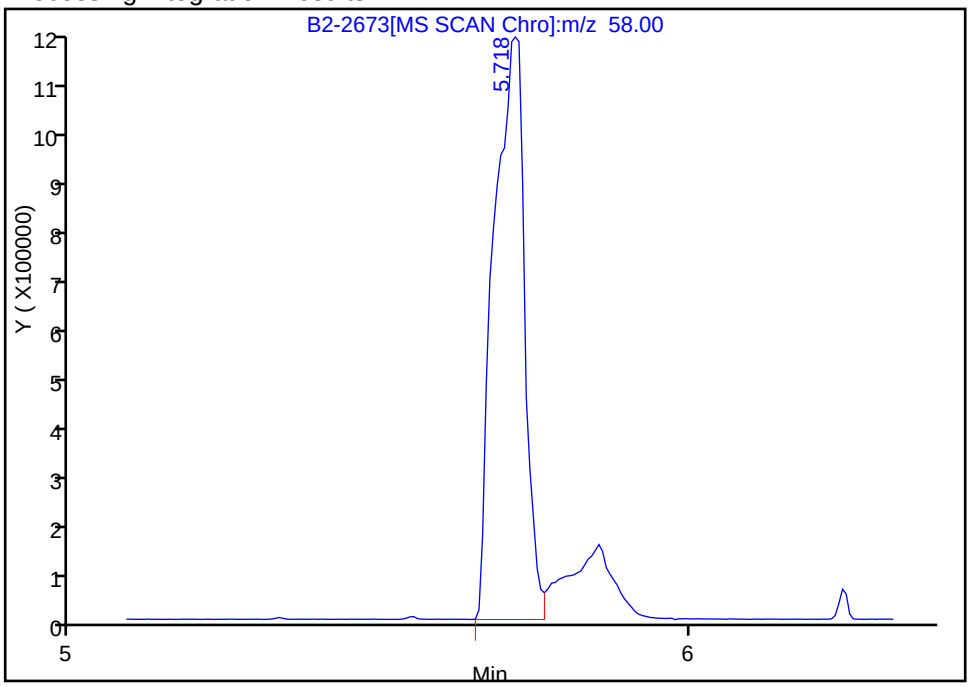
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2673.D		
Injection Date:	22-Oct-2013 16:27:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	21
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

73 alpha,alpha-Dimethyl phenethylamine, Signal: 1, m/z: 58.0 Type: quant, RT: 5.71

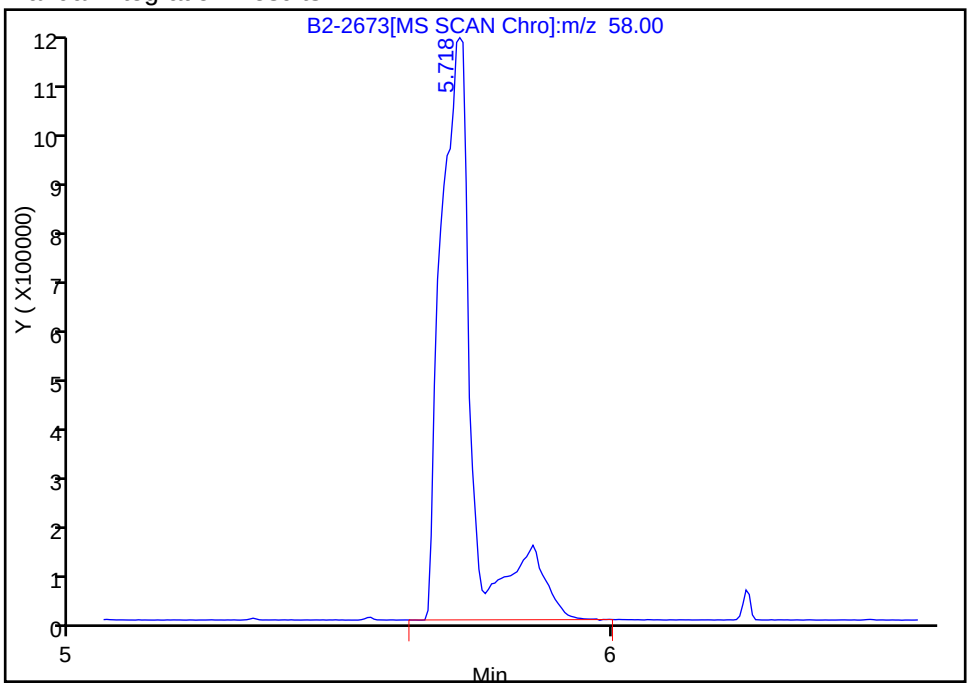
Processing Integration Results

RT: 5.72
Response: 4099750
Amount: 178.5944



Manual Integration Results

RT: 5.72
Response: 4859107
Amount: 206.7877



Reviewer: kiekeld, 22-Oct-2013 21:23:09
Audit Action: Manually Integrated
Audit Reason: Split Peak

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197309

SDG No.:

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

Calibration Start Date: 10/22/2013 18:21 Calibration End Date: 10/22/2013 20:57 Calibration ID: 16011

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197309/26	B2-2678.D
Level 2	STD020 280-197309/27	B2-2679.D
Level 3	STD050 280-197309/28	B2-2680.D
Level 4	STD080 280-197309/25	B2-2677.D
Level 5	STD120 280-197309/29	B2-2681.D
Level 6	STD160 280-197309/30	B2-2682.D
Level 7	STD200 280-197309/31	B2-2683.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzaldehyde	1.1043 1.0888	1.0932 1.0980	1.1392	1.1467	1.1250	Ave		1.1136				2.1		15.0			

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

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

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197309

SDG No.:

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

Calibration Start Date: 10/22/2013 18:21 Calibration End Date: 10/22/2013 20:57 Calibration ID: 16011

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD010 280-197309/26	B2-2678.D
Level 2	STD020 280-197309/27	B2-2679.D
Level 3	STD050 280-197309/28	B2-2680.D
Level 4	STD080 280-197309/25	B2-2677.D
Level 5	STD120 280-197309/29	B2-2681.D
Level 6	STD160 280-197309/30	B2-2682.D
Level 7	STD200 280-197309/31	B2-2683.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzaldehyde	DCB	Ave	54604 869882	108468 1029995	285455	449694	663853	10.0 160	20.0 200	50.0	80.0	120

Curve Type Legend:
Ave = Average ISTD

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2677.D		
Lims ID:	STD080 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 18:21:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD080 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	24
Lims Batch ID:	197309	Lims Sample ID:	25
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:47	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		
First Level Reviewer: kiekeld		Date:	22-Oct-2013 21:26:09

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.627	0.0	92	196074	40.0	
* 2 Naphthalene-d8	136	5.878	5.878	0.0	99	766949	40.0	
* 3 Acenaphthene-d10	164	7.641	7.641	0.0	99	451000	40.0	
* 4 Phenanthrene-d10	188	9.151	9.151	0.0	99	773681	40.0	
* 5 Chrysene-d12	240	13.422	13.422	0.0	64	850388	40.0	
* 6 Perylene-d12	264	17.541	17.541	0.0	98	818334	40.0	
31 Benzaldehyde	106	4.221	4.221	0.0	88	449694	82.4	

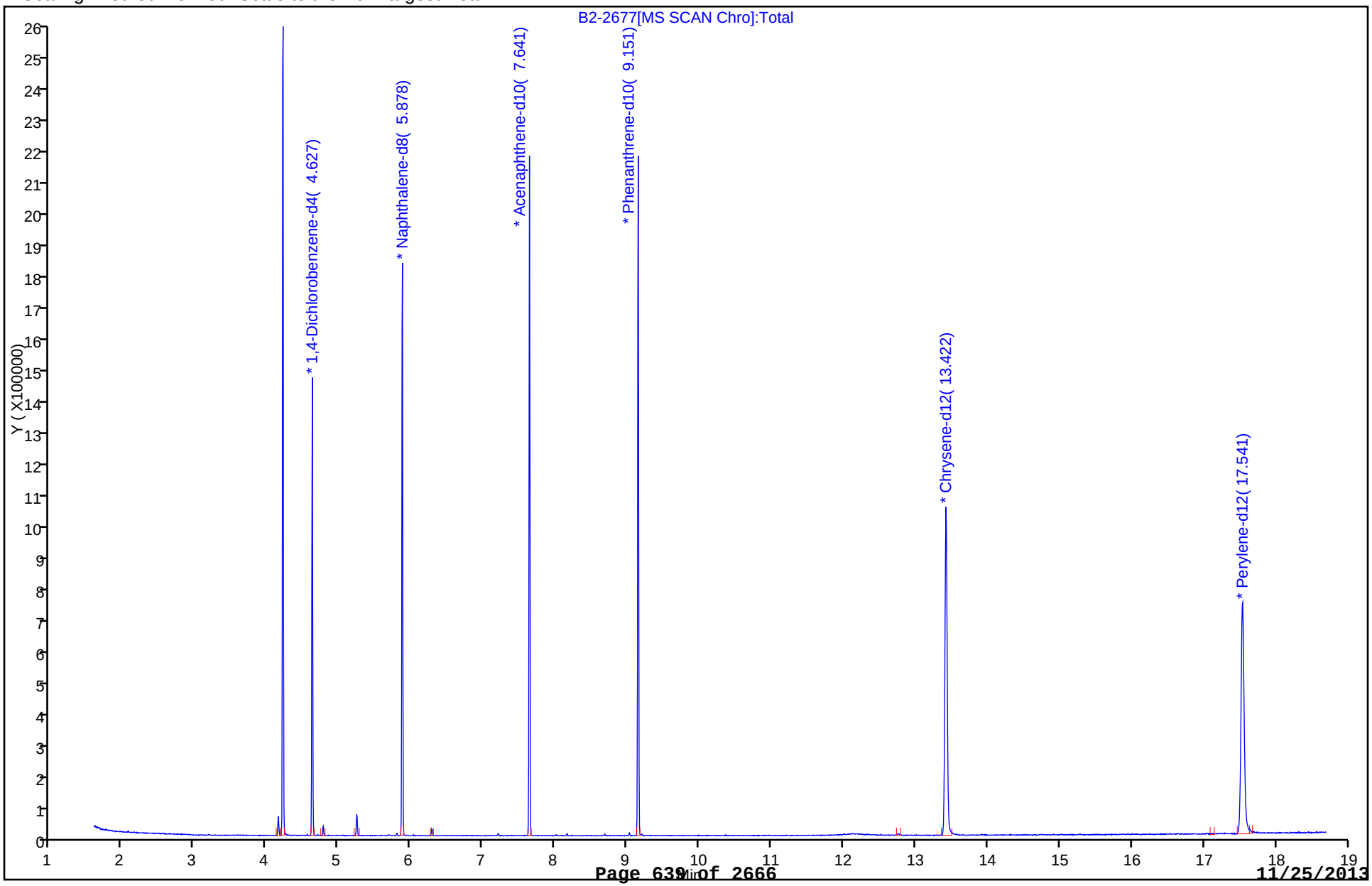
Report Date: 23-Oct-2013 06:54:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2677.D

Injection Date:	22-Oct-2013 18:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	25
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2678.D		
Lims ID:	STD010 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 18:47:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD010 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	25
Lims Batch ID:	197309	Lims Sample ID:	26
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:48	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.627	-0.002	92	197778	40.0	
* 2 Naphthalene-d8	136	5.877	5.878	-0.001	99	784555	40.0	
* 3 Acenaphthene-d10	164	7.639	7.641	-0.002	99	459238	40.0	
* 4 Phenanthrene-d10	188	9.149	9.151	-0.002	99	798525	40.0	
* 5 Chrysene-d12	240	13.421	13.422	-0.001	61	866271	40.0	
* 6 Perylene-d12	264	17.540	17.541	-0.001	98	835274	40.0	
31 Benzaldehyde	106	4.220	4.221	-0.001	88	54604	9.92	

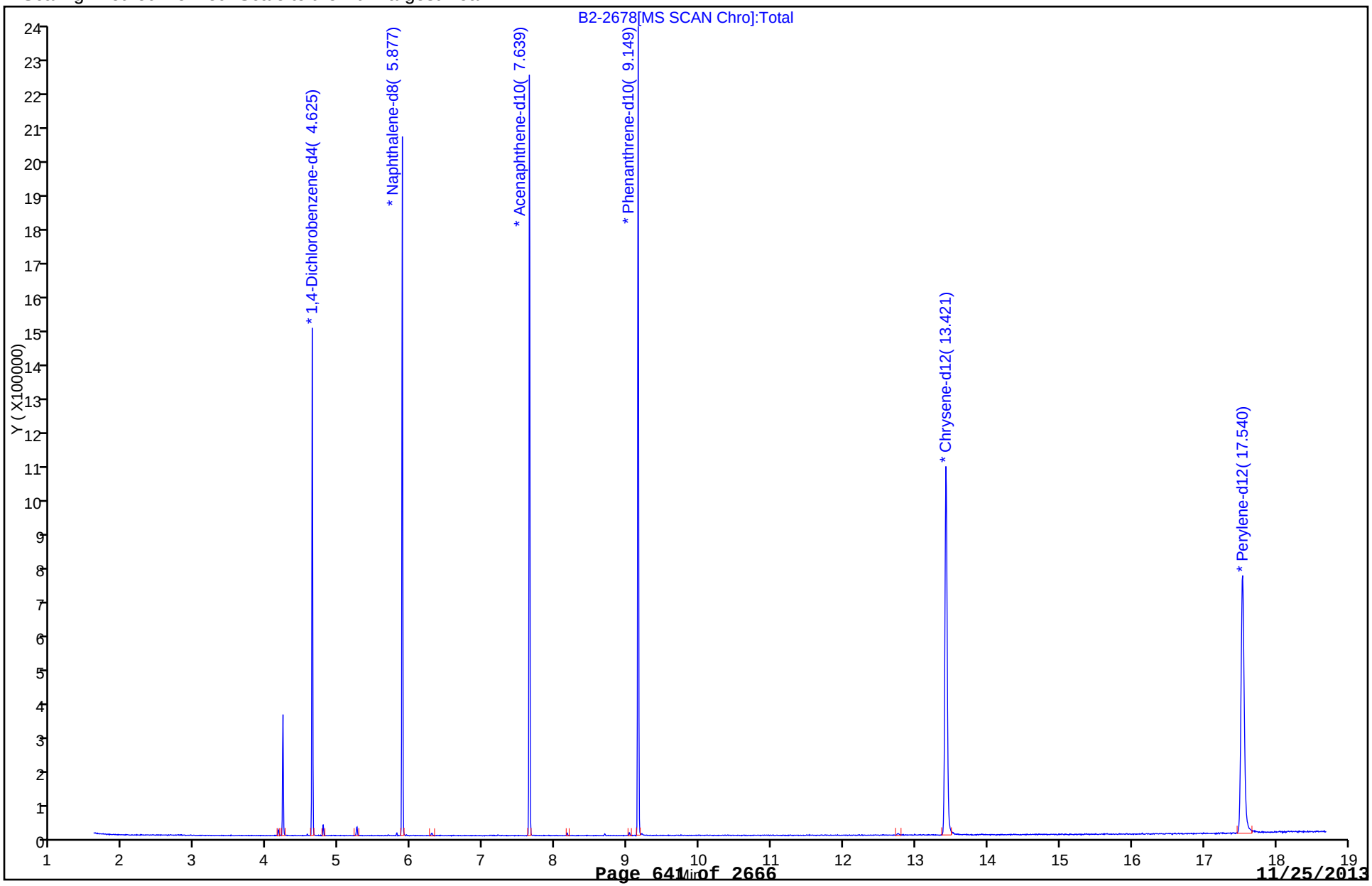
Report Date: 23-Oct-2013 06:54:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2678.D

Injection Date:	22-Oct-2013 18:47:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	26
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2679.D		
Lims ID:	STD020 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 19:13:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD020 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	26
Lims Batch ID:	197309	Lims Sample ID:	27
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:48	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.628	4.627	0.001	92	198443	40.0	
* 2 Naphthalene-d8	136	5.874	5.878	-0.004	99	773492	40.0	
* 3 Acenaphthene-d10	164	7.643	7.641	0.002	100	457210	40.0	
* 4 Phenanthrene-d10	188	9.147	9.151	-0.004	99	786951	40.0	
* 5 Chrysene-d12	240	13.424	13.422	0.002	71	834401	40.0	
* 6 Perylene-d12	264	17.543	17.541	0.002	98	822168	40.0	
31 Benzaldehyde	106	4.217	4.221	-0.004	89	108468	19.6	

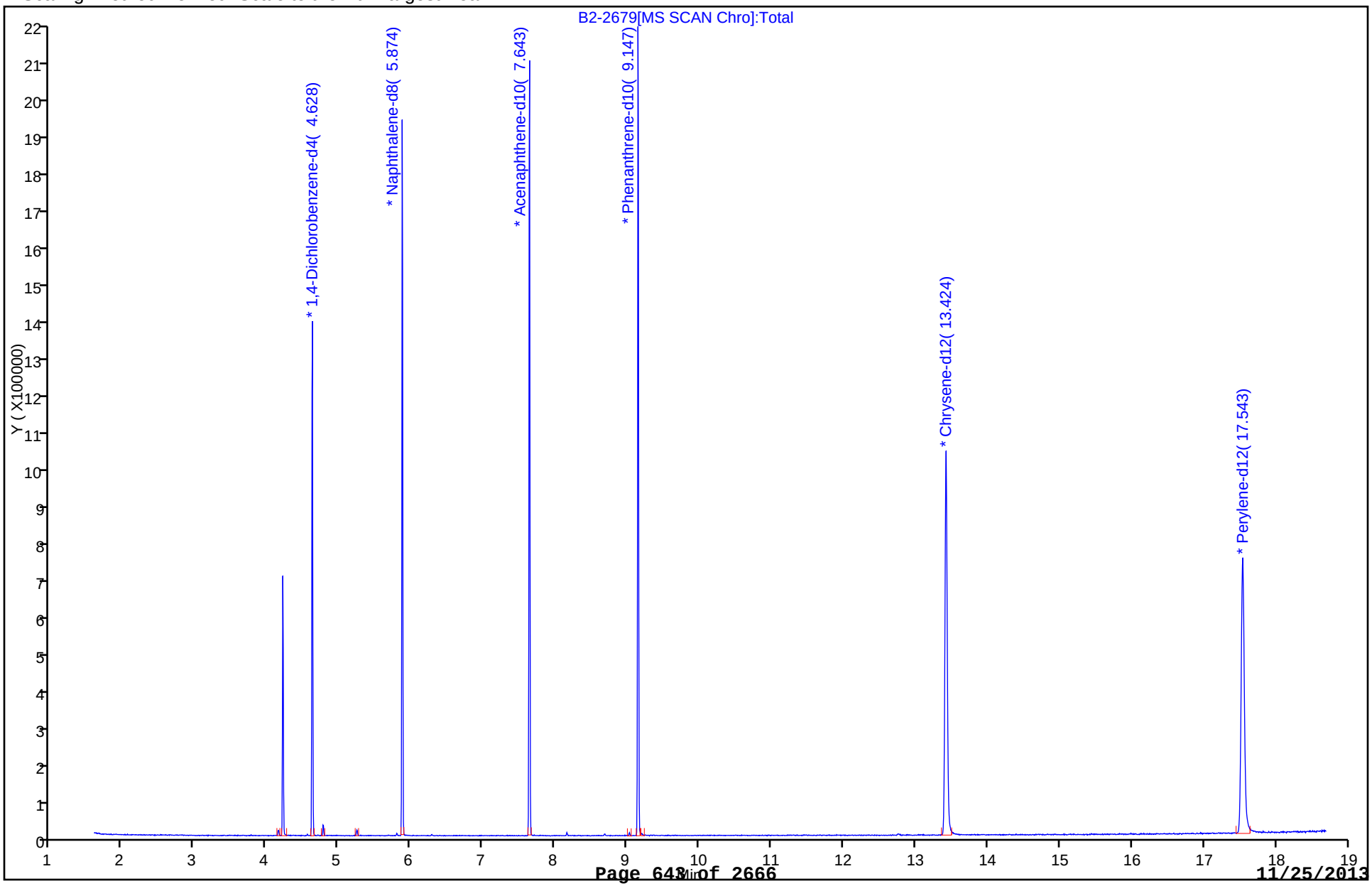
Report Date: 23-Oct-2013 06:54:49 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2679.D

Injection Date:	22-Oct-2013 19:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	27
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2680.D		
Lims ID:	STD050 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 19:39:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD050 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	27
Lims Batch ID:	197309	Lims Sample ID:	28
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:49	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.626	4.627	-0.001	92	200462	40.0	
* 2 Naphthalene-d8	136	5.877	5.878	-0.001	99	785153	40.0	
* 3 Acenaphthene-d10	164	7.640	7.641	-0.001	97	453795	40.0	
* 4 Phenanthrene-d10	188	9.150	9.151	-0.001	99	789669	40.0	
* 5 Chrysene-d12	240	13.421	13.422	-0.001	59	837819	40.0	
* 6 Perylene-d12	264	17.540	17.541	-0.001	98	831544	40.0	
31 Benzaldehyde	106	4.220	4.221	-0.001	88	285455	51.1	

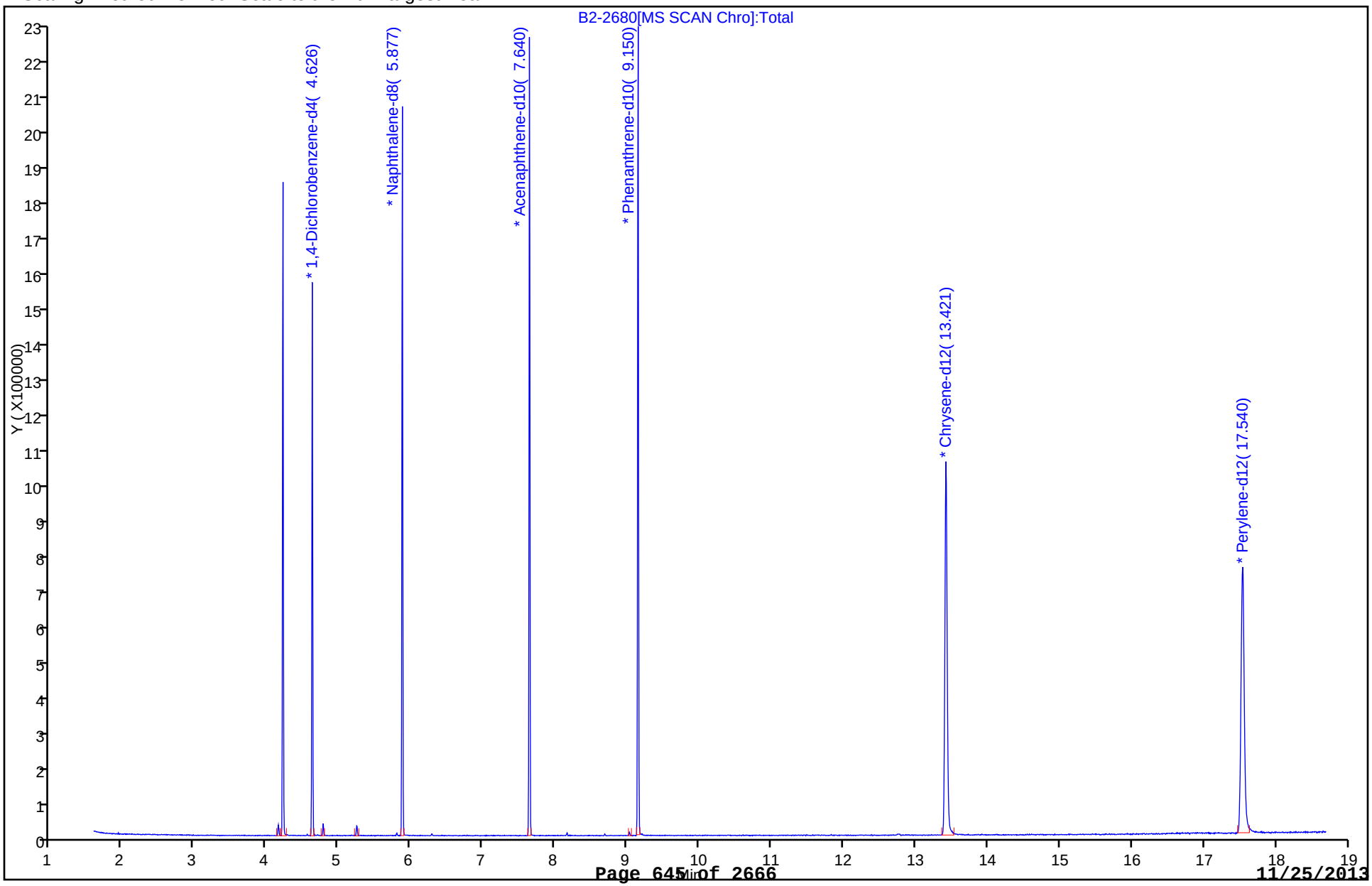
Report Date: 23-Oct-2013 06:54:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2680.D

Injection Date:	22-Oct-2013 19:39:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	28
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2681.D		
Lims ID:	STD120 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 20:05:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD120 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	28
Lims Batch ID:	197309	Lims Sample ID:	29
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:50	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.627	-0.002	92	196696	40.0	
* 2 Naphthalene-d8	136	5.877	5.878	-0.001	99	774899	40.0	
* 3 Acenaphthene-d10	164	7.639	7.641	-0.002	99	451736	40.0	
* 4 Phenanthrene-d10	188	9.149	9.151	-0.002	99	774614	40.0	
* 5 Chrysene-d12	240	13.427	13.422	0.005	66	832826	40.0	
* 6 Perylene-d12	264	17.539	17.541	-0.002	98	829389	40.0	
31 Benzaldehyde	106	4.220	4.221	-0.001	89	663853	121.2	

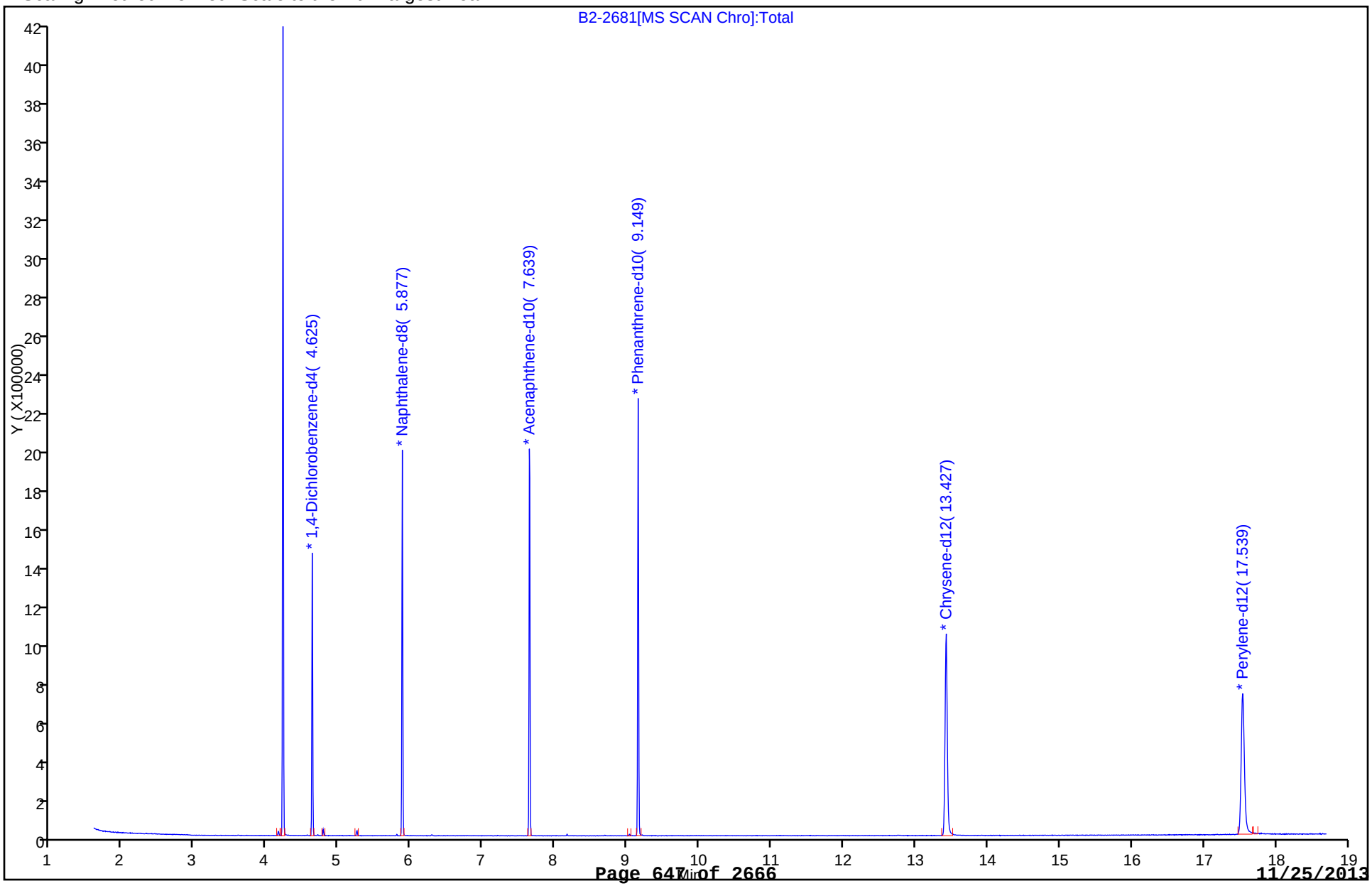
Report Date: 23-Oct-2013 06:54:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2681.D

Injection Date:	22-Oct-2013 20:05:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2682.D		
Lims ID:	STD160 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 20:31:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STD160 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	29
Lims Batch ID:	197309	Lims Sample ID:	30
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:51	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.627	-0.002	92	199740	40.0	
* 2 Naphthalene-d8	136	5.876	5.878	-0.002	99	784631	40.0	
* 3 Acenaphthene-d10	164	7.639	7.641	-0.002	99	467844	40.0	
* 4 Phenanthrene-d10	188	9.149	9.151	-0.002	99	788726	40.0	
* 5 Chrysene-d12	240	13.426	13.422	0.004	68	853312	40.0	
* 6 Perylene-d12	264	17.539	17.541	-0.002	98	820405	40.0	
31 Benzaldehyde	106	4.219	4.221	-0.002	88	869882	156.4	

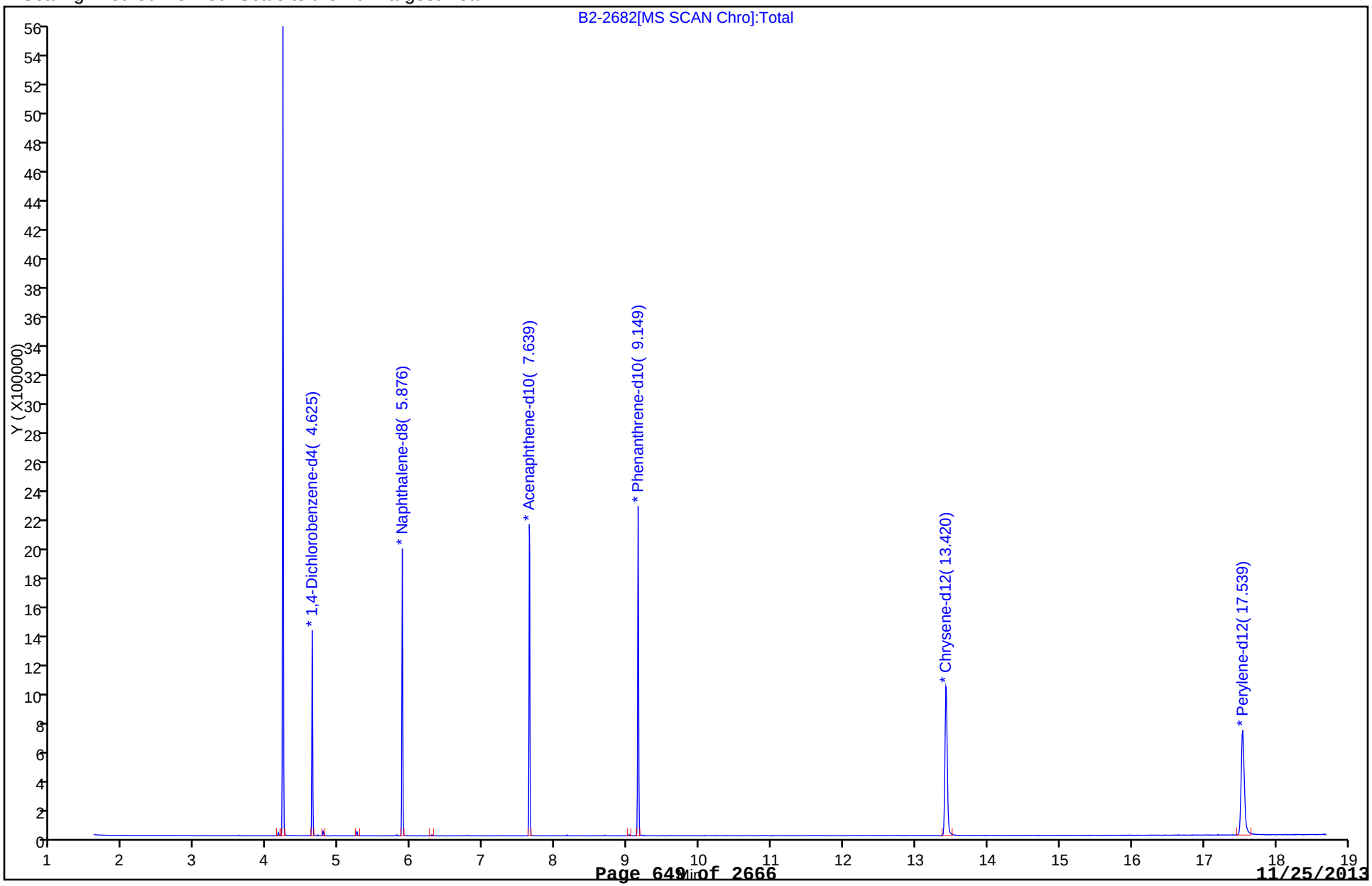
Report Date: 23-Oct-2013 06:54:51 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2682.D

Injection Date:	22-Oct-2013 20:31:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	30
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2683.D		
Lims ID:	STD200 BZHD	Client ID:	
Inject. Date:	22-Oct-2013 20:57:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	8
Sample ID:	STD200 BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	30
Lims Batch ID:	197309	Lims Sample ID:	31
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:51	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.628	4.627	0.001	93	187609	40.0	
* 2 Naphthalene-d8	136	5.873	5.878	-0.005	99	745030	40.0	
* 3 Acenaphthene-d10	164	7.642	7.641	0.001	100	423824	40.0	
* 4 Phenanthrene-d10	188	9.146	9.151	-0.005	99	740414	40.0	
* 5 Chrysene-d12	240	13.423	13.422	0.001	65	783651	40.0	
* 6 Perylene-d12	264	17.542	17.541	0.001	97	763355	40.0	
31 Benzaldehyde	106	4.222	4.221	0.001	88	1029995	197.2	

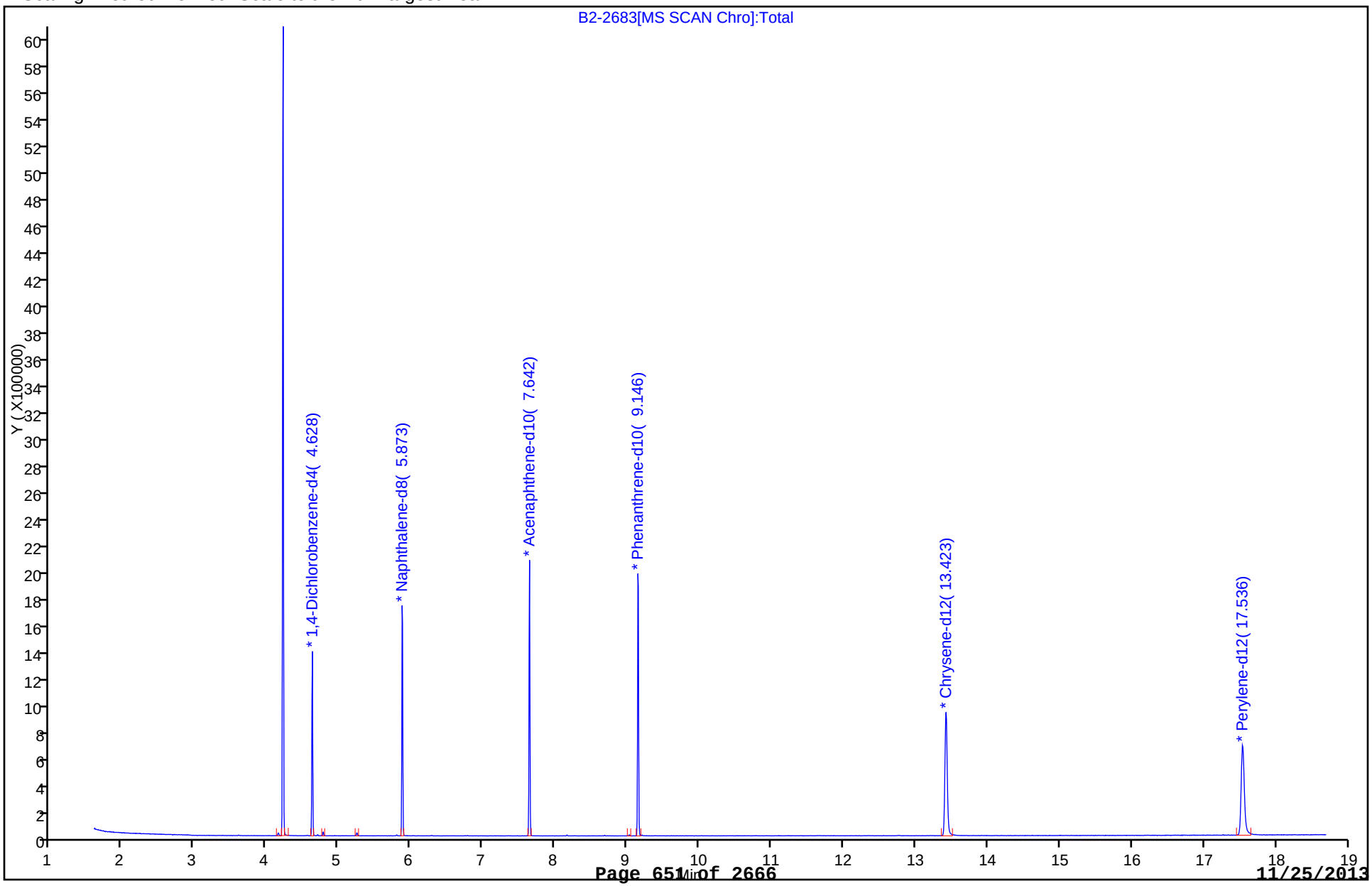
Report Date: 23-Oct-2013 06:54:51 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2683.D

Injection Date:	22-Oct-2013 20:57:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197081/33 Calibration Date: 10/22/2013 11:54

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2663.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5955	0.5715		96.0	100	-4.0	20.0
N-Nitrosodimethylamine	Ave	0.9348	0.8720		93.3	100	-6.7	20.0
Pyridine	Ave	1.647	1.651		100	100	0.3	20.0
Phenol	Ave	1.879	1.803		96.0	100	-4.0	20.0
Aniline	Ave	2.327	2.096		90.1	100	-9.9	20.0
Bis(2-chloroethyl)ether	Ave	1.417	1.344		94.8	100	-5.2	20.0
2-Chlorophenol	Ave	1.491	1.437		96.4	100	-3.6	20.0
1,3-Dichlorobenzene	Ave	1.586	1.525		96.1	100	-3.9	20.0
1,4-Dichlorobenzene	Ave	1.633	1.560		95.5	100	-4.5	20.0
Benzyl alcohol	Ave	0.9507	0.9614		101	100	1.1	20.0
1,2-Dichlorobenzene	Ave	1.540	1.478		96.0	100	-4.0	20.0
2-Methylphenol	Ave	1.349	1.317		97.6	100	-2.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.981	2.201		0.00100	72.0	11.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.045	1.019	0.0500	97.5	100	-2.5	20.0
3 & 4 Methylphenol	Ave	1.423	1.371		96.3	100	-3.7	20.0
4-Methylphenol	Ave	1.423	1.371		96.3	100	-3.7	20.0
Acetophenone	Ave	1.975	1.919		97.2	100	-2.8	20.0
Hexachloroethane	Ave	0.5895	0.5886		99.8	100	-0.2	20.0
Nitrobenzene	Ave	0.3865	0.3713		96.1	100	-3.9	20.0
Isophorone	Ave	0.6796	0.6899		102	100	1.5	20.0
2-Nitrophenol	Ave	0.1912	0.1986		104	100	3.9	20.0
2,4-Dimethylphenol	Ave	0.3555	0.2900		81.6	100	-18.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.4236	0.3920		92.5	100	-7.5	20.0
Benzoic acid	Lin2		0.2571		216	200	8.0	20.0
2,4-Dichlorophenol	Ave	0.2988	0.2890		96.7	100	-3.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3294	0.3164		96.1	100	-3.9	20.0
Naphthalene	Ave	1.043	0.9915		95.1	100	-4.9	20.0
4-Chloroaniline	Ave	0.4746	0.4319		91.0	100	-9.0	20.0
Hexachlorobutadiene	Ave	0.1724	0.1660		96.3	100	-3.7	20.0
4-Chloro-3-methylphenol	Ave	0.3055	0.2975		97.4	100	-2.6	20.0
2-Methylnaphthalene	Ave	0.7174	0.6804		94.9	100	-5.1	20.0
1-Methylnaphthalene	Ave	0.6759	0.6369		94.2	100	-5.8	20.0
Hexachlorocyclopentadiene	Lin1		0.2846	0.0500	102	100	2.1	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3169	0.3060		96.6	100	-3.4	20.0
2,4,6-Trichlorophenol	Ave	0.3437	0.3504		102	100	2.0	20.0
2,4,5-Trichlorophenol	Ave	0.3713	0.3750		101	100	1.0	20.0
1,1'-Biphenyl	Ave	1.468	1.388		94.5	100	-5.5	20.0
2-Chloronaphthalene	Ave	1.154	1.102		95.5	100	-4.5	20.0
2-Nitroaniline	Ave	0.3982	0.4008		101	100	0.6	20.0
Dimethyl phthalate	Ave	1.269	1.224		96.5	100	-3.5	20.0
2,6-Dinitrotoluene	Ave	0.3034	0.3014		99.3	100	-0.7	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197081/33 Calibration Date: 10/22/2013 11:54

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2663.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Ave	1.856	1.788		96.4	100	-3.6	20.0
3-Nitroaniline	Ave	0.3693	0.3531		95.6	100	-4.4	20.0
Acenaphthene	Ave	1.199	1.156		96.4	100	-3.6	20.0
2,4-Dinitrophenol	Lin1		0.1640	0.0500	194	200	-3.0	20.0
4-Nitrophenol	Ave	0.1728	0.1802	0.0500	209	200	4.3	20.0
2,4-Dinitrotoluene	Ave	0.3969	0.4046		102	100	2.0	20.0
Dibenzofuran	Ave	1.642	1.554		94.6	100	-5.4	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2884	0.3023		105	100	4.8	20.0
Diethyl phthalate	Ave	1.267	1.222		96.5	100	-3.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.6103	0.5921		97.0	100	-3.0	20.0
Fluorene	Ave	1.371	1.329		97.0	100	-3.0	20.0
4-Nitroaniline	Ave	0.3658	0.3647		99.7	100	-0.3	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1449		211	200	5.5	20.0
N-Nitrosodiphenylamine	Ave	0.5819	0.5736		98.6	100	-1.4	20.0
1,2-Diphenylhydrazine	Ave	1.362	1.324		98.3	101	-2.8	20.0
4-Bromophenyl phenyl ether	Ave	0.2164	0.2117		97.8	100	-2.2	20.0
Hexachlorobenzene	Ave	0.2559	0.2467		96.4	100	-3.6	20.0
Pentachlorophenol	Lin2		0.1410		205	200	2.5	20.0
Phenanthrene	Ave	1.135	1.095		96.5	100	-3.5	20.0
Anthracene	Ave	1.167	1.123		96.2	100	-3.8	20.0
Carbazole	Ave	1.136	1.073		94.4	100	-5.6	20.0
Di-n-butyl phthalate	Ave	1.245	1.235		99.2	100	-0.8	20.0
Fluoranthene	Ave	1.233	1.188		96.4	100	-3.6	20.0
Pyrene	Ave	1.144	1.138		99.4	100	-0.6	20.0
Butyl benzyl phthalate	Ave	0.4972	0.5190		104	100	4.4	20.0
Benzo[a]anthracene	Ave	1.087	1.063		97.8	100	-2.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6639	0.6787		102	100	2.2	20.0
Chrysene	Ave	1.033	1.043		101	100	1.0	20.0
Di-n-octyl phthalate	Lin2		1.155		103	100	2.7	20.0
Benzo[b]fluoranthene	Ave	1.107	1.104		99.8	100	-0.2	20.0
Benzo[k]fluoranthene	Ave	1.172	1.146		97.8	100	-2.2	20.0
Benzo[a]pyrene	Ave	1.107	1.083		97.8	100	-2.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9718	0.9237		95.0	100	-5.0	20.0
Dibenz(a,h)anthracene	Ave	1.040	1.038		99.9	100	-0.1	20.0
Benzo[g,h,i]perylene	Ave	1.103	1.073		97.3	100	-2.7	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D
Lims ID: ICV HSL 1 Client ID:
Inject. Date: 22-Oct-2013 11:54:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HSL 1
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 10
Lims Batch ID: 197081 Lims Sample ID: 33
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:25 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:45:30

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	91	242730	40.0	
* 2 Naphthalene-d8	136	5.876	5.876	0.0	99	992784	40.0	
* 3 Acenaphthene-d10	164	7.645	7.645	0.0	99	584910	40.0	
* 4 Phenanthrene-d10	188	9.149	9.155	-0.006	99	992994	40.0	
* 5 Chrysene-d12	240	13.432	13.432	0.0	90	1089569	40.0	
* 6 Perylene-d12	264	17.539	17.545	-0.006	95	1042327	40.0	
19 1,4-Dioxane	88	1.916	1.916	0.0	96	346823	96.0	
20 N-Nitrosodimethylamine	74	2.187	2.192	-0.005	99	529168	93.3	
21 Pyridine	79	2.228	2.233	-0.005	96	1001923	100.3	
32 Phenol	94	4.284	4.284	0.0	68	1094352	96.0	
34 Aniline	93	4.319	4.319	0.0	99	1272112	90.1	
35 Alpha Methyl Styrene	118	4.343	4.349	-0.006	88	855677	97.4	
36 Bis(2-chloroethyl)ether	93	4.355	4.354	0.001	88	815628	94.8	
38 n-Decane	43	4.413	4.413	0.0	96	812633	91.5	
39 2-Chlorophenol	128	4.437	4.437	0.0	97	871979	96.4	
40 1,3-Dichlorobenzene	146	4.572	4.578	-0.006	98	925292	96.1	
42 1,4-Dichlorobenzene	146	4.642	4.648	-0.006	97	946837	95.5	
43 Benzyl alcohol	108	4.748	4.754	-0.006	99	583389	101.1	
44 1,2-Dichlorobenzene	146	4.795	4.795	0.0	98	897024	96.0	
45 2-Methylphenol	108	4.854	4.860	-0.006	93	799196	97.6	
46 2,2'-oxybis[1-chloropropane]	45	4.860	4.860	0.0	81	961473	80.0	M
47 Indene	116	4.877	4.877	0.0	92	1450729	99.2	
49 3 & 4 Methylphenol	108	5.001	5.007	-0.006	94	831846	96.3	
50 3-Methylphenol	108	5.001	5.007	-0.006	90	831846	96.3	
51 4-Methylphenol	108	5.001	5.007	-0.006	98	831846	96.3	
52 N-Nitrosodi-n-propylamine	70	4.989	4.989	0.0	98	618082	97.5	
54 Acetophenone	105	5.007	5.012	-0.005	96	1164362	97.2	
58 Hexachloroethane	117	5.118	5.124	-0.006	96	357185	99.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
59 Nitrobenzene	77	5.189	5.189	0.0	98	921618	96.1	
63 Isophorone	82	5.400	5.406	-0.006	99	1712398	101.5	
64 2-Nitrophenol	139	5.500	5.500	0.0	98	492922	103.9	
65 2,4-Dimethylphenol	107	5.518	5.518	0.0	99	719801	81.6	
68 Benzoic acid	105	5.641	5.629	0.012	98	1276233	216.1	
69 Bis(2-chloroethoxy)methane	93	5.600	5.600	0.0	95	972828	92.5	
71 3,5-Dimethylphenol	107	5.653	5.653	0.0	97	871258	95.3	
74 2,4-Dichlorophenol	162	5.741	5.741	0.0	98	717354	96.7	
76 1,2,4-Trichlorobenzene	180	5.812	5.817	-0.005	95	785252	96.1	
79 Naphthalene	128	5.900	5.900	0.0	100	2460852	95.1	
80 4-Chloroaniline	127	5.947	5.953	-0.006	100	1072061	91.0	
83 Hexachlorobutadiene	225	5.994	6.000	-0.006	97	412084	96.3	
89 4-Chloro-3-methylphenol	107	6.429	6.434	-0.005	99	738443	97.4	
93 2-Methylnaphthalene	142	6.581	6.587	-0.006	100	1688818	94.9	
96 1-Methylnaphthalene	142	6.687	6.687	0.0	100	1580706	94.2	
97 Hexachlorocyclopentadiene	237	6.728	6.734	-0.006	98	416163	102.1	
98 1,2,4,5-Tetrachlorobenzene	216	6.752	6.752	0.0	96	759561	96.6	
100 2,4,6-Trichlorophenol	196	6.869	6.869	0.0	94	512431	102.0	
101 2,3-Dichlorobenzenamine	161	6.875	6.881	-0.006	96	890655	93.3	
102 2,4,5-Trichlorophenol	196	6.916	6.922	-0.006	97	548279	101.0	
104 1,1'-Biphenyl	154	7.046	7.051	-0.005	96	2029262	94.5	
106 2-Chloronaphthalene	162	7.081	7.081	0.0	99	1611750	95.5	
108 2-Nitroaniline	65	7.192	7.192	0.0	97	586011	100.6	
111 Dimethyl phthalate	163	7.339	7.339	0.0	99	1789881	96.5	
112 1,3-Dinitrobenzene	168	7.398	7.398	0.0	82	326292	105.1	
113 2,6-Dinitrotoluene	165	7.422	7.421	0.001	96	440733	99.3	
114 Acenaphthylene	152	7.504	7.504	0.0	99	2615237	96.4	
115 3-Nitroaniline	138	7.610	7.609	0.001	98	516277	95.6	
117 Acenaphthene	153	7.680	7.680	0.0	99	1690994	96.4	
118 2,4-Dinitrophenol	184	7.709	7.709	0.0	94	479650	194.1	
119 4-Nitrophenol	109	7.792	7.792	0.0	97	527134	208.6	
122 2,4-Dinitrotoluene	165	7.827	7.827	0.0	92	591641	102.0	
123 Dibenzofuran	168	7.850	7.850	0.0	100	2272417	94.6	
125 2,3,4,6-Tetrachlorophenol	232	7.974	7.974	0.0	72	442059	104.8	
127 Hexadecane	57	8.003	8.003	0.0	97	1250854	94.2	
130 Diethyl phthalate	149	8.038	8.038	0.0	100	1786762	96.5	
134 4-Chlorophenyl phenyl ether	204	8.174	8.173	0.001	98	865837	97.0	
135 Fluorene	166	8.197	8.197	0.0	100	1943873	97.0	
138 4-Nitroaniline	138	8.232	8.232	0.0	97	533238	99.7	
139 4,6-Dinitro-2-methylphenol	198	8.244	8.244	0.0	91	719569	211.1	
141 N-Nitrosodiphenylamine	169	8.297	8.303	-0.006	97	1423902	98.6	
143 1,2-Diphenylhydrazine	77	8.338	8.338	0.0	97	1957093	98.3	
144 Azobenzene	77	8.338	8.338	0.0	97	1957093	97.2	
156 4-Bromophenyl phenyl ether	248	8.673	8.673	0.0	99	525540	97.8	
157 Hexachlorobenzene	284	8.749	8.755	-0.006	97	612437	96.4	
161 n-Octadecane	85	8.926	8.926	0.0	96	451170	97.8	
163 Pentachlorophenol	266	8.955	8.955	0.0	96	699899	205.1	
168 Phenanthrene	178	9.178	9.178	0.0	100	2718306	96.5	
169 Anthracene	178	9.225	9.231	-0.006	100	2786626	96.2	
170 Carbazole	167	9.396	9.396	0.0	100	2662534	94.4	
171 Alachlor	188	9.478	9.484	-0.006	95	353435	101.5	
173 Di-n-butyl phthalate	149	9.689	9.689	0.0	100	3065648	99.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
179 Fluoranthene	202	10.600	10.600	0.0	100	2948817	96.4	
182 Pyrene	202	10.959	10.964	-0.005	96	3099189	99.4	
190 Butyl benzyl phthalate	149	12.081	12.081	0.0	99	1413676	104.4	
195 Bis(2-ethylhexyl) phthalate	149	13.415	13.414	0.001	96	1848715	102.2	
198 Benzo[a]anthracene	228	13.403	13.409	-0.005	99	2895179	97.8	
199 Chrysene	228	13.497	13.503	-0.005	98	2841922	101.0	
201 Di-n-octyl phthalate	149	15.283	15.283	0.0	100	3147022	102.7	
203 Benzo[b]fluoranthene	252	16.393	16.399	-0.006	97	2877859	99.8	
204 Benzo[k]fluoranthene	252	16.476	16.476	0.0	98	2986117	97.8	
206 Benzo[e]pyrene	252	17.222	17.216	0.006	97	2780060	109.7	
207 Benzo[a]pyrene	252	17.375	17.374	0.001	96	2821862	97.8	
213 Dibenz(a,h)anthracene	278	20.824	20.817	0.007	71	2705802	99.9	
214 Indeno[1,2,3-cd]pyrene	276	20.741	20.735	0.006	71	2515978	95.0	M
215 Benzo[g,h,i]perylene	276	21.517	21.505	0.012	96	2797091	97.3	

QC Flag Legend

Review Flags
M - Manually Integrated

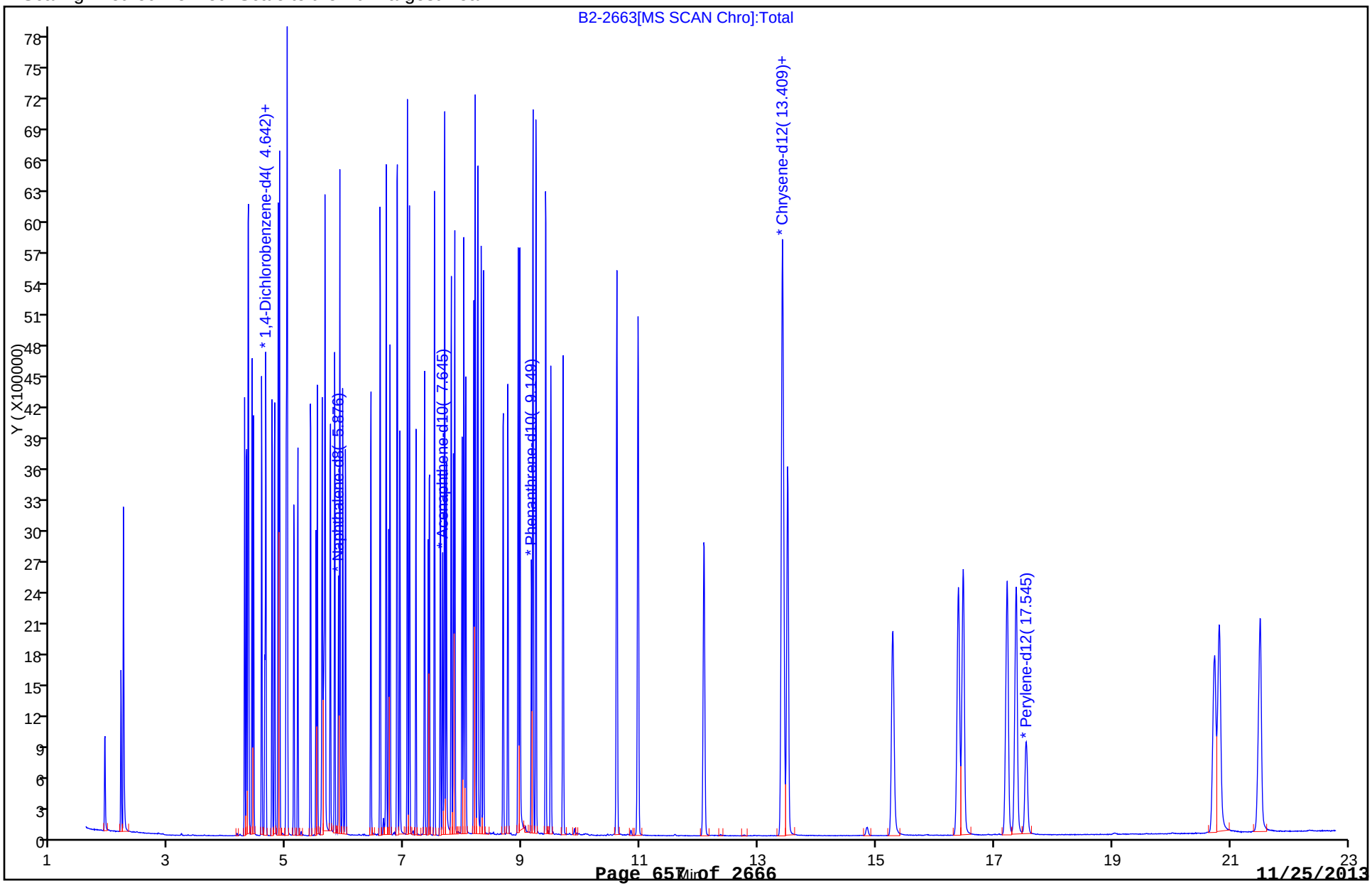
Report Date: 22-Oct-2013 13:24:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D

Injection Date:	22-Oct-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	33
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



11/25/2013

Manual Integration/User Assign Peak Report

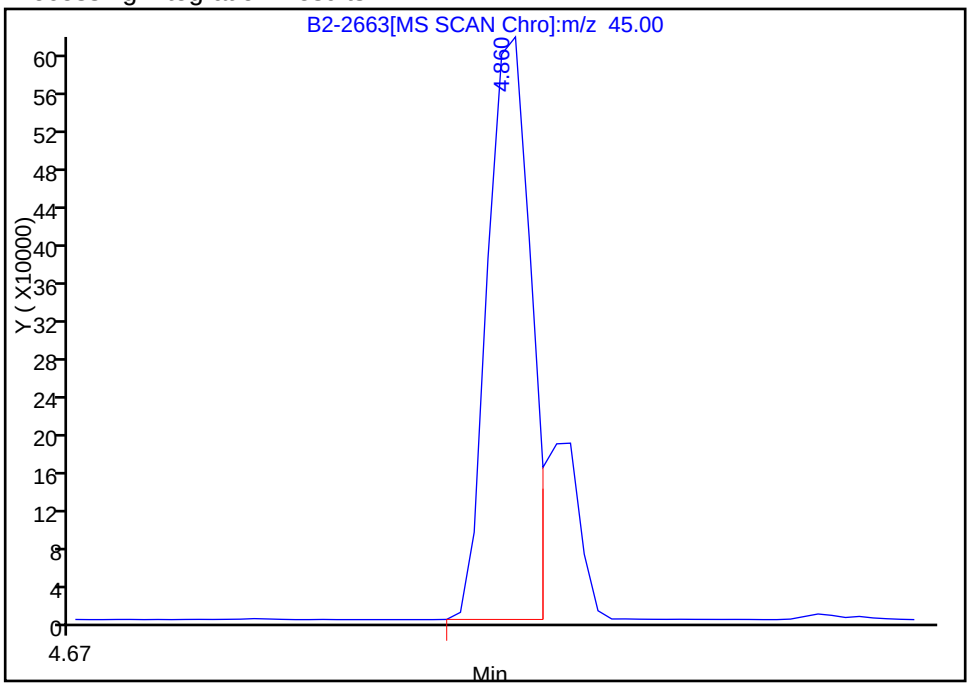
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D		
Injection Date:	22-Oct-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	33
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

46 2,2'-oxybis[1-chloropropane], Signal: 1, m/z: 45.0 Type: quant, RT: 4.86

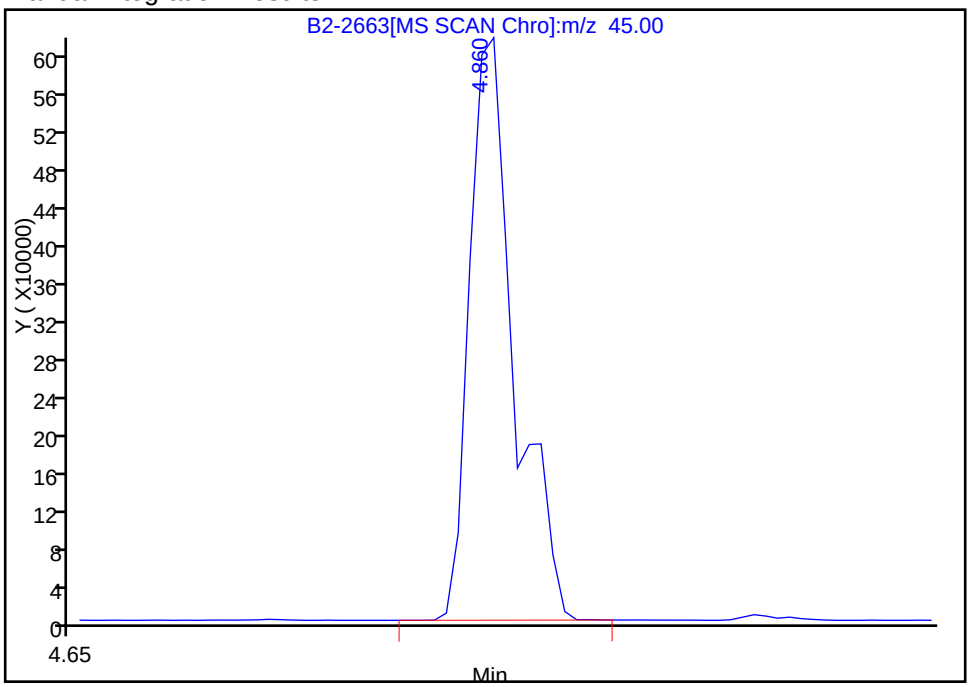
Processing Integration Results

RT: 4.86
Response: 801391
Amount: 66.660367



Manual Integration Results

RT: 4.86
Response: 961473
Amount: 79.976120



Reviewer: kiekeld, 22-Oct-2013 12:45:30
Audit Action: Manually Integrated
Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

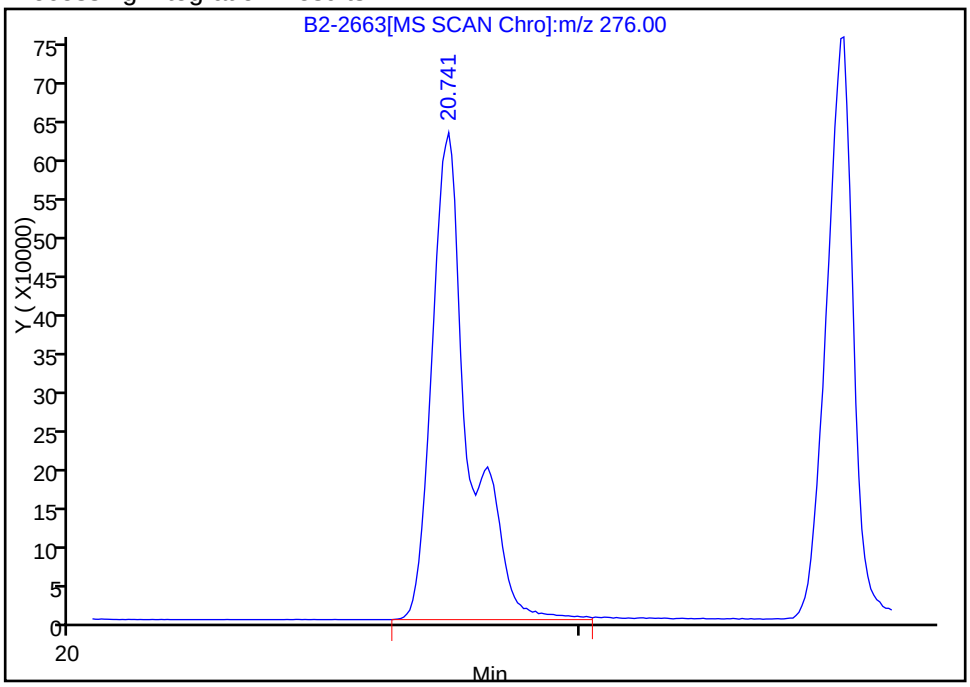
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2663.D		
Injection Date:	22-Oct-2013 11:54:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	33
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.74

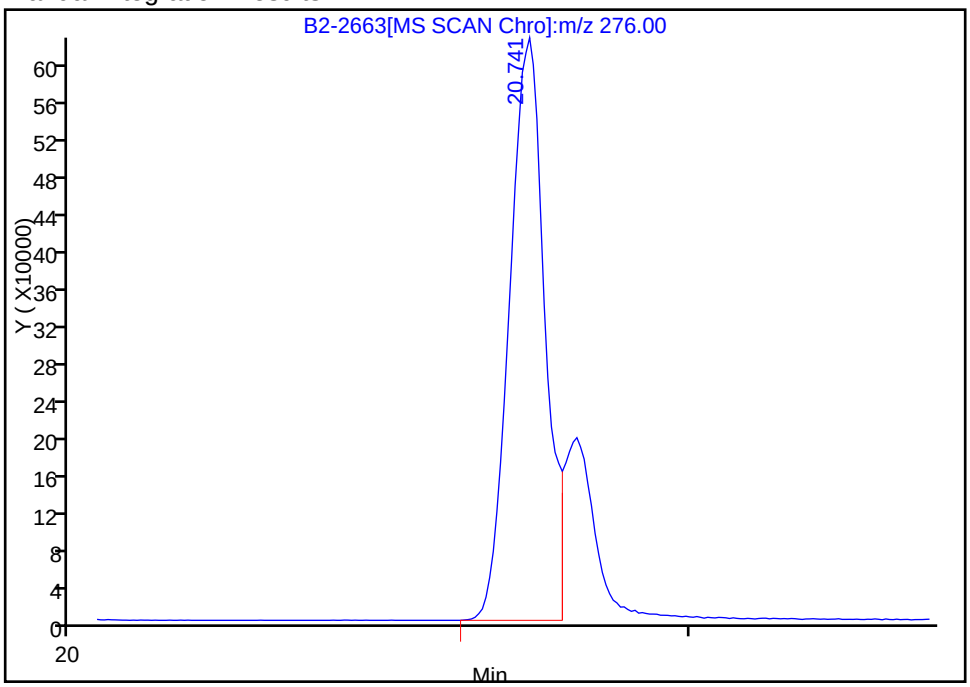
Processing Integration Results

RT: 20.74
Response: 3172133
Amount: 119.8320



Manual Integration Results

RT: 20.74
Response: 2515978
Amount: 95.044808



Reviewer: kiekeld, 22-Oct-2013 12:45:30
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197081/34 Calibration Date: 10/22/2013 12:24

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2664.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Caprolactam	Ave	0.2033	0.1701		83.7	100	-16.3	20.0
Atrazine	Ave	0.1829	0.1703		93.1	100	-6.9	20.0
Benzidine	Ave	0.6276	0.7189		115	100	14.5	20.0
3,3'-Dichlorobenzidine	Ave	0.4119	0.3810		92.5	100	-7.5	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2664.D
Lims ID: ICV HSL 2 Client ID:
Inject. Date: 22-Oct-2013 12:24:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV HSL 2
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 11
Lims Batch ID: 197081 Lims Sample ID: 34
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 22-Oct-2013 13:24:25 Calib Date: 22-Oct-2013 11:23:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK003

First Level Reviewer: kiekeld Date: 22-Oct-2013 12:52:43

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.631	-0.006	92	301070	40.0	
* 2 Naphthalene-d8	136	5.877	5.876	0.001	98	1220361	40.0	
* 3 Acenaphthene-d10	164	7.640	7.645	-0.005	99	744363	40.0	
* 4 Phenanthrene-d10	188	9.150	9.155	-0.005	99	1280564	40.0	
* 5 Chrysene-d12	240	13.427	13.432	-0.005	76	1425687	40.0	
* 6 Perylene-d12	264	17.540	17.545	-0.005	98	1345258	40.0	
86 Caprolactam	55	6.282	6.299	-0.017	95	519021	83.7	
159 Atrazine	200	8.815	8.814	0.001	95	545303	93.1	
181 Benzidine	184	10.801	10.800	0.0	65	2562220	114.5	
197 3,3'-Dichlorobenzidine	252	13.374	13.379	-0.005	99	1358049	92.5	

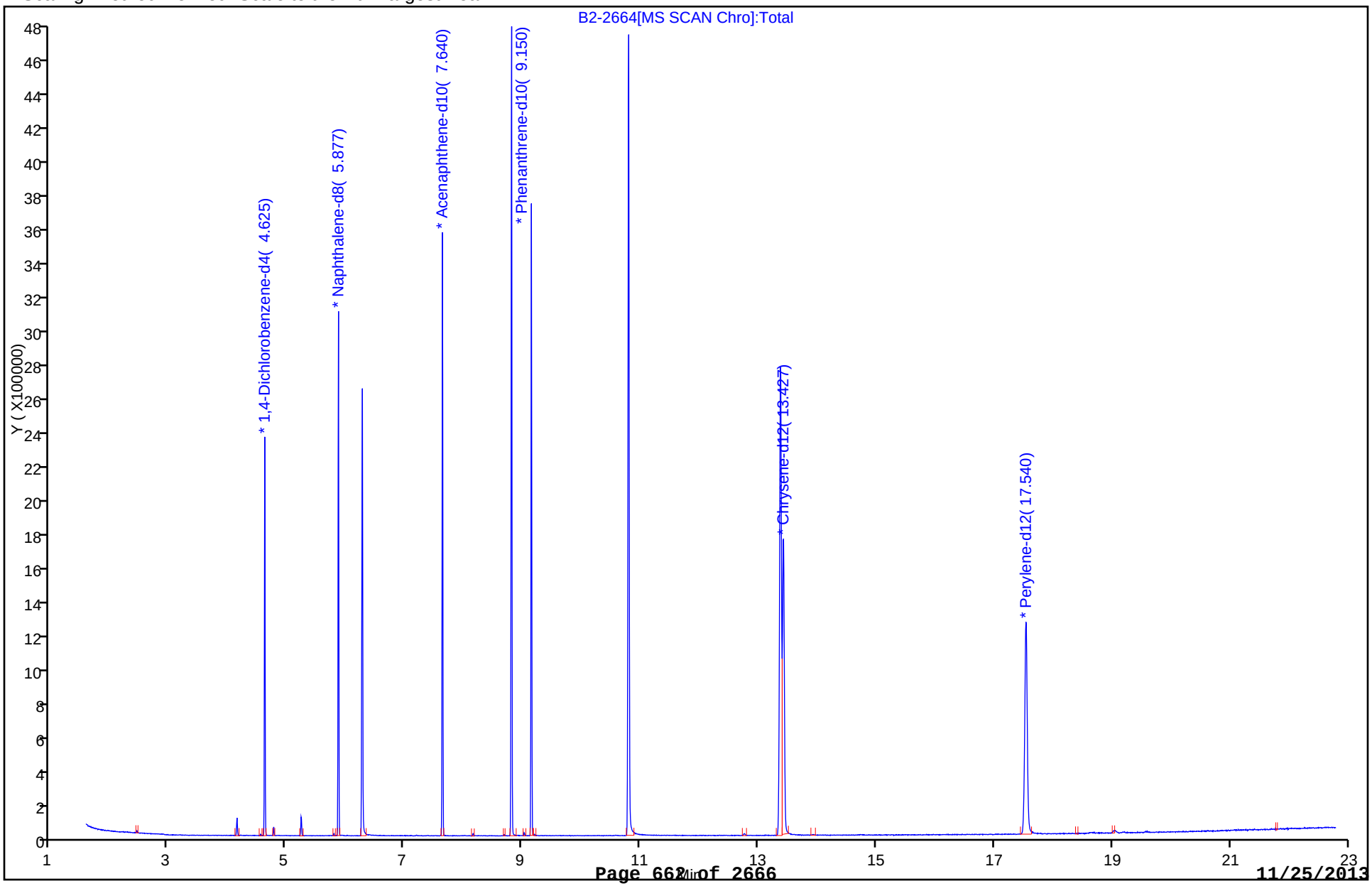
Report Date: 22-Oct-2013 13:24:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2664.D

Injection Date:	22-Oct-2013 12:24:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	34
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197087/22 Calibration Date: 10/22/2013 16:55

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 13:34

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 16:27

Lab File ID: B2-2674.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Ethyl methanesulfonate	Ave	1.067	1.069		100	100	0.1	50.0
Pentachloroethane	Ave	0.4568	0.4809		105	100	5.3	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1539	0.1549		101	100	0.6	20.0
2,6-Dichlorophenol	Ave	0.2570	0.2803		109	100	9.0	20.0
Pentachlorobenzene	Ave	0.4778	0.4850		102	100	1.5	20.0
Thionazin	Ave	0.2759	0.2889		105	100	4.7	20.0
Sulfotepp	Ave	0.1166	0.1185		102	100	1.6	20.0
Diallate Peak 1	Ave	0.2863	0.2938		77.9	75.9	2.6	50.0
Phorate	Ave	0.1299	0.1303		100	100	0.3	20.0
Diallate Peak 2	Ave	0.3057	0.3058		24.1	24.1	0.0	50.0
Dimethoate	Ave	0.2579	0.2767		107	100	7.3	20.0
Disulfoton	Ave	0.3397	0.3405		100	100	0.2	20.0
Methyl parathion	Ave	0.2143	0.2341		109	100	9.3	20.0
Ethyl Parathion	Ave	0.1397	0.1538		110	100	10.1	20.0
Aramite Peak 1	Lin2		0.0948		61.1	45.0	35.8	50.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5297	0.5040		95.2	100	-4.8	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2674.D
Lims ID: ICV AP9 1 Client ID:
Inject. Date: 22-Oct-2013 16:55:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AP9 1
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 21
Lims Batch ID: 197087 Lims Sample ID: 22
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:46 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 21:24:32

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.627	4.625	0.002	92	277509	40.0	
* 2 Naphthalene-d8	136	5.879	5.877	0.002	100	1102591	40.0	
* 3 Acenaphthene-d10	164	7.641	7.640	0.001	99	654899	40.0	
* 4 Phenanthrene-d10	188	9.151	9.150	0.001	99	1142677	40.0	
* 5 Chrysene-d12	240	13.423	13.427	-0.004	72	1266921	40.0	
* 6 Perylene-d12	264	17.541	17.540	0.001	97	1216716	40.0	
26 Methyl methanesulfonate	80	3.252	3.251	0.001	88	584503	101.8	
29 Ethyl methanesulfonate	79	3.881	3.879	0.002	97	741343	100.1	
37 Pentachloroethane	117	4.363	4.361	0.002	85	333663	105.3	
67 o,o',o''-Triethylphosphorothioat	198	5.550	5.554	-0.004	90	426862	100.6	
81 2,6-Dichlorophenol	162	5.955	5.953	0.002	95	772643	109.0	
82 Hexachloropropene	213	5.978	5.977	0.001	84	553062	107.8	
90 Safrole, Total	162	6.478	6.476	0.002	89	732294	99.8	
99 Isosafrole Peak 1	162	6.772	6.770	0.002	90	104121	15.4	
103 Isosafrole Peak 2	104	7.001	6.999	0.002	93	339469	173.3	E
107 1-Chloronaphthalene	162	7.107	7.105	0.002	97	1738105	100.5	
109 1,4-Naphthoquinone	158	7.265	7.264	0.001	90	774942	171.8	
121 Pentachlorobenzene	250	7.800	7.804	-0.004	98	794045	101.5	
133 Thionazin	97	8.117	8.115	0.002	80	472958	104.7	
146 Sulfotepp	97	8.405	8.403	0.002	80	338461	101.6	
150 Diallate Peak 1	86	8.558	8.556	0.002	96	637112	77.9	
152 Phorate	121	8.575	8.574	0.001	93	372182	100.3	
155 Diallate Peak 2	86	8.652	8.650	0.002	97	210515	24.1	E
158 Dimethoate	87	8.769	8.768	0.001	94	790571	107.3	
166 Disulfoton	88	9.098	9.097	0.001	96	972565	100.2	
167 Dinoseb	211	9.104	9.108	-0.004	88	406127	92.3	
172 Methyl parathion	109	9.498	9.502	-0.004	94	668778	109.3	
174 Ethyl Parathion	109	9.927	9.931	-0.004	84	439333	110.1	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
176 Methapyrilene	97	10.068	10.066	0.002	95	1073157	113.6	
178 Isodrin	193	10.367	10.366	0.001	94	358990	107.9	
183 Aramite Peak 1	185	11.078	11.083	-0.005	96	135069	61.1	
185 Aramite Peak 2	185	11.214	11.212	0.002	94	166241	79.4	
187 Chlorobenzilate	251	11.478	11.482	-0.004	91	980191	109.4	
200 6-Methylchrysene	242	14.698	14.702	-0.004	99	2513199	105.6	
202 7,12-Dimethylbenz(a)anthracene	256	16.378	16.376	0.002	81	1533017	95.2	
209 3-Methylcholanthrene	268	18.440	18.439	0.001	76	1784130	104.2	
S 219 Isosafrole	162				0		188.7	
S 220 Diallate	86				0		102.0	
S 221 Aramite, Total	185				0		140.5	

QC Flag Legend

Processing Flags
E - Exceeded Maximum Amount

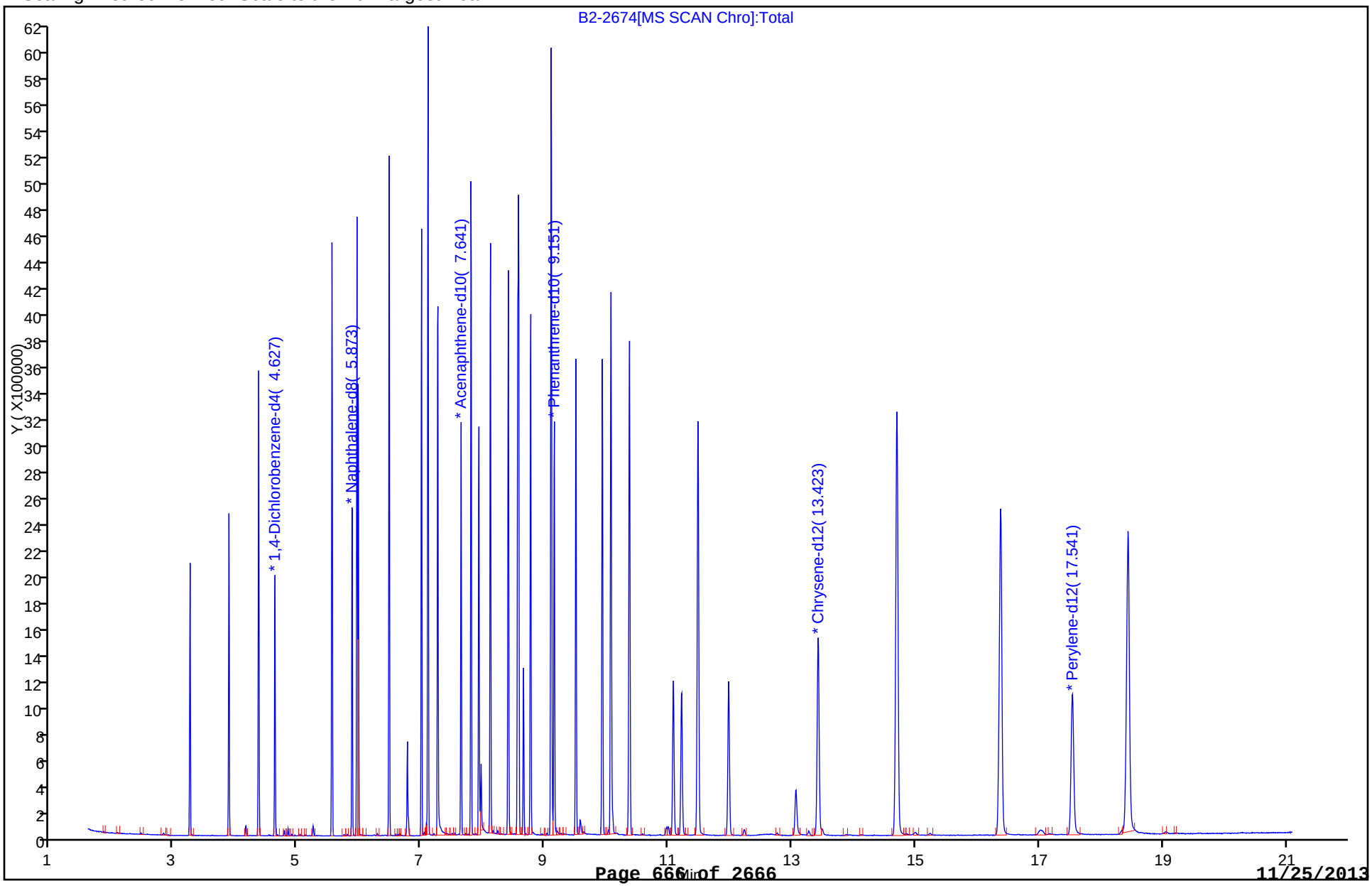
Report Date: 23-Oct-2013 06:54:46 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2674.D

Injection Date:	22-Oct-2013 16:55:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	22
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197087/24 Calibration Date: 10/22/2013 17:52

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 13:34

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 16:27

Lab File ID: B2-2676.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiethylamine	Ave	0.6430	0.6554		102	100	1.9	20.0
N-Nitrosopyrrolidine	Ave	0.7548	0.7711		102	100	2.2	20.0
N-Nitrosodi-n-butylamine	Ave	0.2252	0.2346		104	100	4.2	20.0
p-Dimethylamino azobenzene	Ave	0.2849	0.2922		103	100	2.6	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2676.D
Lims ID: ICV AP9 3 Client ID:
Inject. Date: 22-Oct-2013 17:52:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AP9 3
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 23
Lims Batch ID: 197087 Lims Sample ID: 24
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:46 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 23-Oct-2013 06:53:25

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.625	4.625	0.0	92	229721	40.0	
* 2 Naphthalene-d8	136	5.877	5.877	0.0	99	905288	40.0	
* 3 Acenaphthene-d10	164	7.640	7.640	0.0	99	536247	40.0	
* 4 Phenanthrene-d10	188	9.150	9.150	0.0	99	941498	40.0	
* 5 Chrysene-d12	240	13.421	13.427	-0.006	78	1059268	40.0	
* 6 Perylene-d12	264	17.540	17.540	0.0	98	992277	40.0	
23 2-Picoline	93	2.880	2.880	0.0	95	889877	104.5	
24 N-Nitrosomethylethylamine	88	2.974	2.980	-0.006	93	379000	101.1	
25 Acrylamide	71	3.227	3.227	0.0	69	339793	108.6	
27 N-Nitrosodiethylamine	102	3.615	3.615	0.0	96	376415	101.9	
53 N-Nitrosopyrrolidine	100	4.996	4.996	0.0	89	442870	102.2	
55 N-Nitrosomorpholine	116	5.031	5.031	0.0	94	167476	101.0	
57 2-Toluidine	106	5.048	5.048	0.0	86	1254977	101.3	
61 N-Nitrosopiperidine	114	5.336	5.336	0.0	84	419940	105.3	
73 alpha,alpha-Dimethyl phenethylam	58	5.677	5.707	-0.030	97	2237738	102.4	
84 Quinoline	129	6.229	6.229	0.0	96	1520630	99.3	
85 N-Nitrosodi-n-butylamine	84	6.247	6.247	0.0	93	530987	104.2	
87 p-Phenylene diamine	108	6.300	6.300	0.0	95	1173448	119.6	
110 1,4-Dinitrobenzene	168	7.322	7.322	0.0	95	247951	105.2	
124 1-Naphthylamine	143	7.933	7.939	-0.006	99	1695257	102.3	
129 2-Naphthylamine	143	8.016	8.016	0.0	96	1765964	102.5	
137 N-Nitro-o-toluidine	152	8.209	8.210	-0.001	96	527398	102.7	
142 Diphenylamine	169	8.298	8.298	0.0	89	1526957	102.8	
151 1,3,5-Trinitrobenzene	213	8.574	8.574	0.0	68	161866	95.4	
153 Phenacetin	108	8.597	8.597	0.0	94	873069	104.3	
162 4-Aminobiphenyl	169	8.944	8.944	0.0	86	2027996	102.5	
164 Pentachloronitrobenzene	237	8.956	8.956	0.0	84	190283	100.3	
165 Pronamide	173	8.967	8.967	0.0	88	742442	101.6	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
175 4-Nitroquinoline-1-oxide	190	10.048	10.049	-0.001	90	75488	51.1	
186 p-Dimethylamino azobenzene	120	11.423	11.423	0.0	95	773746	102.6	
191 3,3'-Dimethylbenzidine	212	12.111	12.111	0.0	96	1990332	122.4	
194 2-Acetylaminofluorene	181	12.669	12.669	0.0	94	1155085	105.0	
196 4,4'-Methylene bis(2-chloroanili	231	13.380	13.380	0.0	92	505918	107.7	
211 Dibenz[a,h]acridine	279	20.090	20.090	0.0	77	2308994	109.8	

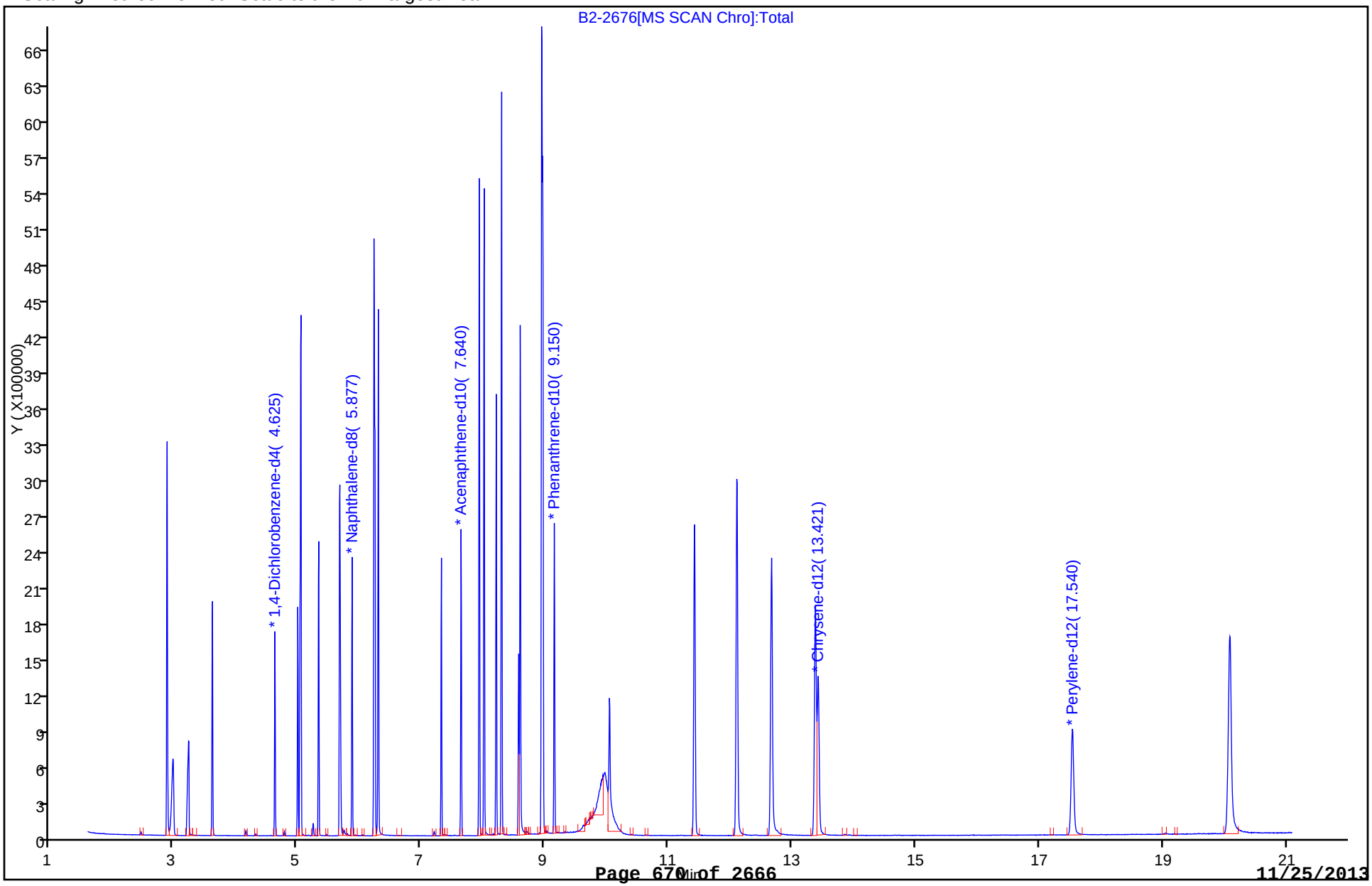
Report Date: 23-Oct-2013 06:54:47 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2676.D

Injection Date:	22-Oct-2013 17:52:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	24
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197309/32 Calibration Date: 10/22/2013 21:23

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 18:21

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 20:57

Lab File ID: B2-2684.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.114	1.123		101	100	0.9	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2684.D
Lims ID: ICV BZHD Client ID:
Inject. Date: 22-Oct-2013 21:23:30 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV BZHD
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 31
Lims Batch ID: 197309 Lims Sample ID: 32
Sublist:
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:51 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 22:01:02

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.629	4.627	0.002	94	189314	40.0	
* 2 Naphthalene-d8	136	5.874	5.878	-0.004	99	737493	40.0	
* 3 Acenaphthene-d10	164	7.643	7.641	0.002	100	439596	40.0	
* 4 Phenanthrene-d10	188	9.147	9.151	-0.004	99	752160	40.0	
* 5 Chrysene-d12	240	13.424	13.422	0.002	64	793325	40.0	
* 6 Perylene-d12	264	17.543	17.541	0.002	95	763065	40.0	
31 Benzaldehyde	106	4.218	4.221	-0.003	89	531585	100.9	

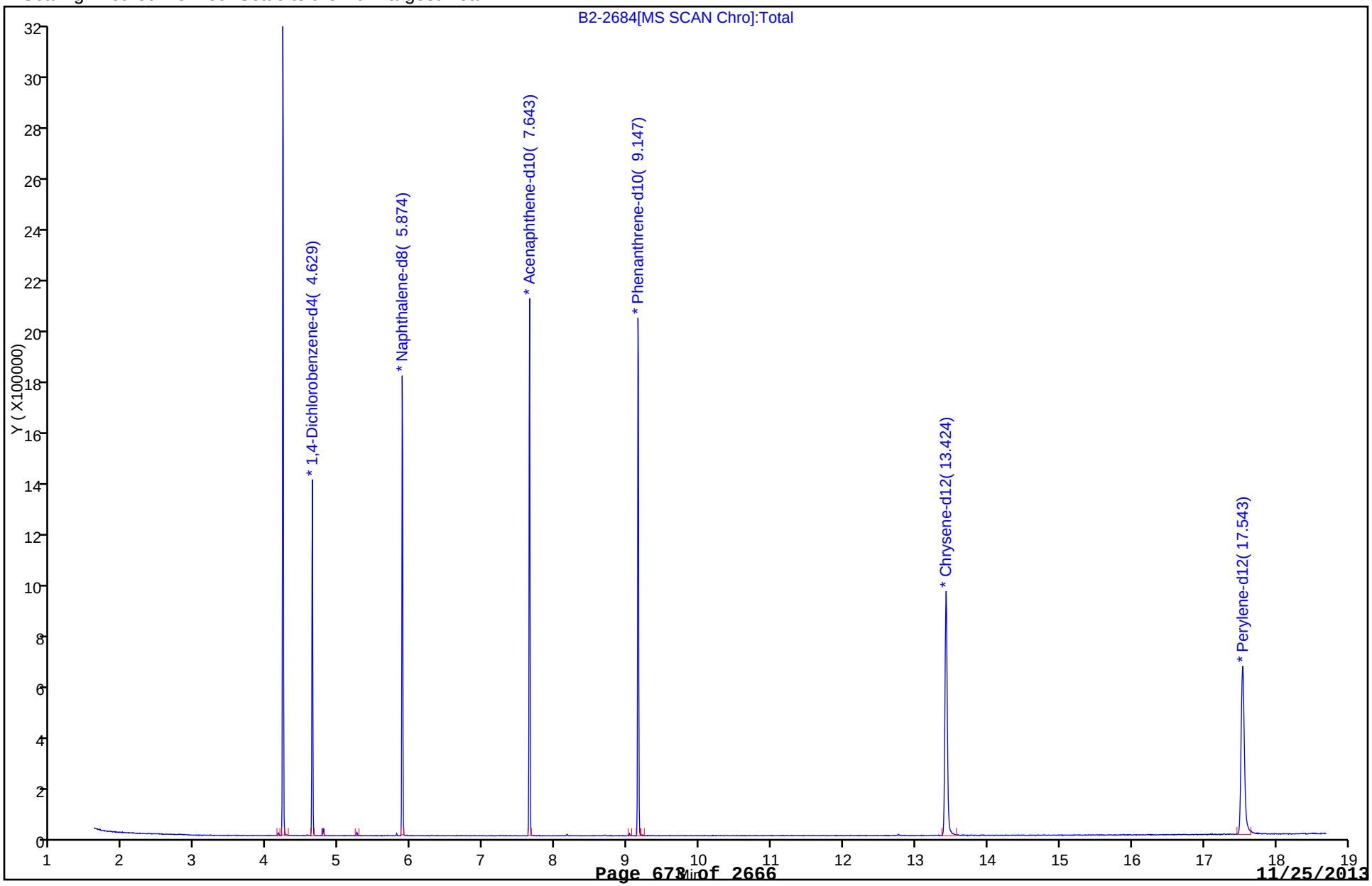
Report Date: 23-Oct-2013 06:54:52 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2684.D

Injection Date:	22-Oct-2013 21:23:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/3 Calibration Date: 10/31/2013 11:26

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2864.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5955	0.5884		79.1	80.0	-1.2	20.0
N-Nitrosodimethylamine	Ave	0.9348	0.8925		76.4	80.0	-4.5	20.0
Pyridine	Ave	1.647	1.607		78.1	80.0	-2.4	20.0
Phenol	Ave	1.879	1.847		78.7	80.0	-1.7	20.0
Aniline	Ave	2.327	2.295		78.9	80.0	-1.4	20.0
Bis(2-chloroethyl)ether	Ave	1.417	1.394		78.7	80.0	-1.7	20.0
2-Chlorophenol	Ave	1.491	1.477		79.3	80.0	-0.9	20.0
1,3-Dichlorobenzene	Ave	1.586	1.604		80.9	80.0	1.1	20.0
1,4-Dichlorobenzene	Ave	1.633	1.622		79.5	80.0	-0.7	20.0
Benzyl alcohol	Ave	0.9507	0.9409		79.2	80.0	-1.0	20.0
1,2-Dichlorobenzene	Ave	1.540	1.577		81.9	80.0	2.4	20.0
2,2'-oxybis[1-chloropropane]	Ave	1.981	1.867		0.00100	80.0	-5.8	20.0
2-Methylphenol	Ave	1.349	1.373		81.4	80.0	1.8	20.0
N-Nitrosodi-n-propylamine	Ave	1.045	1.026	0.0500	78.6	80.0	-1.8	20.0
3 & 4 Methylphenol	Ave	1.423	1.440		80.9	80.0	1.2	20.0
4-Methylphenol	Ave	1.423	1.440		80.9	80.0	1.2	20.0
Acetophenone	Ave	1.975	1.995		80.8	80.0	1.0	20.0
Hexachloroethane	Ave	0.5895	0.5986		81.2	80.0	1.6	20.0
Nitrobenzene	Ave	0.3865	0.3726		77.1	80.0	-3.6	20.0
Isophorone	Ave	0.6796	0.6551		77.1	80.0	-3.6	20.0
2-Nitrophenol	Ave	0.1912	0.1914		80.1	80.0	0.1	20.0
2,4-Dimethylphenol	Ave	0.3555	0.3529		79.4	80.0	-0.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.4236	0.4143		78.2	80.0	-2.2	20.0
Benzoic acid	Lin2		0.2219		153	160	-4.7	20.0
2,4-Dichlorophenol	Ave	0.2988	0.3026		81.0	80.0	1.3	20.0
1,2,4-Trichlorobenzene	Ave	0.3294	0.3267		79.4	80.0	-0.8	20.0
Naphthalene	Ave	1.043	1.048		80.4	80.0	0.6	20.0
4-Chloroaniline	Ave	0.4746	0.4741		79.9	80.0	-0.1	20.0
Hexachlorobutadiene	Ave	0.1724	0.1716		79.6	80.0	-0.5	20.0
Caprolactam	Ave	0.2033	0.1944		76.5	80.0	-4.4	20.0
4-Chloro-3-methylphenol	Ave	0.3055	0.3111		81.4	80.0	1.8	20.0
2-Methylnaphthalene	Ave	0.7174	0.7302		81.4	80.0	1.8	20.0
1-Methylnaphthalene	Ave	0.6759	0.6918		81.9	80.0	2.4	20.0
Hexachlorocyclopentadiene	Lin1		0.2499	0.0500	74.1	80.0	-7.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.3169	0.3233		81.6	80.0	2.0	20.0
2,4,6-Trichlorophenol	Ave	0.3437	0.3516		81.8	80.0	2.3	20.0
2,4,5-Trichlorophenol	Ave	0.3713	0.3798		81.8	80.0	2.3	20.0
1,1'-Biphenyl	Ave	1.468	1.475		80.4	80.0	0.5	20.0
2-Chloronaphthalene	Ave	1.154	1.160		80.4	80.0	0.5	20.0
2-Nitroaniline	Ave	0.3982	0.3928		78.9	80.0	-1.4	20.0
Dimethyl phthalate	Ave	1.269	1.279		80.7	80.0	0.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/3 Calibration Date: 10/31/2013 11:26

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2864.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Ave	0.3034	0.3143		82.9	80.0	3.6	20.0
Acenaphthylene	Ave	1.856	1.881		81.1	80.0	1.3	20.0
3-Nitroaniline	Ave	0.3693	0.3765		81.6	80.0	1.9	20.0
Acenaphthene	Ave	1.199	1.192		79.5	80.0	-0.6	20.0
2,4-Dinitrophenol	Lin1		0.1437	0.0500	142	160	-11.2	20.0
4-Nitrophenol	Ave	0.1728	0.1846	0.0500	171	160	6.8	20.0
2,4-Dinitrotoluene	Ave	0.3969	0.4223		85.1	80.0	6.4	20.0
Dibenzofuran	Ave	1.642	1.649		80.4	80.0	0.5	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.2884	0.3065		85.0	80.0	6.3	20.0
Diethyl phthalate	Ave	1.267	1.294		81.7	80.0	2.2	20.0
4-Chlorophenyl phenyl ether	Ave	0.6103	0.6139		80.5	80.0	0.6	20.0
Fluorene	Ave	1.371	1.395		81.4	80.0	1.8	20.0
4-Nitroaniline	Ave	0.3658	0.3783		82.7	80.0	3.4	20.0
4,6-Dinitro-2-methylphenol	Lin2		0.1335		158	160	-1.4	20.0
N-Nitrosodiphenylamine	Ave	0.5819	0.5992		82.4	80.0	3.0	20.0
1,2-Diphenylhydrazine	Ave	1.362	1.369		81.3	80.9	0.6	20.0
4-Bromophenyl phenyl ether	Ave	0.2164	0.2209		81.7	80.0	2.1	20.0
Hexachlorobenzene	Ave	0.2559	0.2639		82.5	80.0	3.1	20.0
Atrazine	Ave	0.1829	0.1804		78.9	80.0	-1.4	20.0
Pentachlorophenol	Lin2		0.1334		158	160	-1.4	20.0
Phenanthrene	Ave	1.135	1.179		83.1	80.0	3.8	20.0
Anthracene	Ave	1.167	1.214		83.2	80.0	4.0	20.0
Carbazole	Ave	1.136	1.172		82.5	80.0	3.1	20.0
Di-n-butyl phthalate	Ave	1.245	1.301		83.6	80.0	4.5	20.0
Fluoranthene	Ave	1.233	1.264		82.0	80.0	2.6	20.0
Benzidine	Ave	0.6276	0.5808		74.0	80.0	-7.5	20.0
Pyrene	Ave	1.144	1.183		82.7	80.0	3.4	20.0
Famphur	Ave	0.3542	0.3376		76.2	80.0	-4.7	20.0
Butyl benzyl phthalate	Ave	0.4972	0.5120		82.4	80.0	3.0	20.0
3,3'-Dichlorobenzidine	Ave	0.4119	0.4132		80.2	80.0	0.3	20.0
Benzo[a]anthracene	Ave	1.087	1.097		80.7	80.0	0.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.6639	0.6739		81.2	80.0	1.5	20.0
Chrysene	Ave	1.033	1.057		81.8	80.0	2.3	20.0
Di-n-octyl phthalate	Lin2		0.9838		70.4	80.0	-12.0	20.0
Benzo[b]fluoranthene	Ave	1.107	1.170		84.6	80.0	5.7	20.0
Benzo[k]fluoranthene	Ave	1.172	1.264		86.3	80.0	7.8	20.0
Benzo[a]pyrene	Ave	1.107	1.178		85.1	80.0	6.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.9718	0.9103		74.9	80.0	-6.3	20.0
Dibenz(a,h)anthracene	Ave	1.040	1.070		82.3	80.0	2.9	20.0
Benzo[g,h,i]perylene	Ave	1.103	1.127		81.7	80.0	2.2	20.0
2-Fluorophenol (Surr)	Ave	1.405	1.380		78.6	80.0	-1.8	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/3 Calibration Date: 10/31/2013 11:26

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 07:51

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 11:23

Lab File ID: B2-2864.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Phenol-d5 (Surr)	Ave	1.820	1.810		79.6	80.0	-0.5	20.0
Nitrobenzene-d5 (Surr)	Ave	0.3895	0.3797		78.0	80.0	-2.5	20.0
2-Fluorobiphenyl	Ave	1.318	1.319		80.0	80.0	0.0	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.1882	0.2007		85.3	80.0	6.7	20.0
Terphenyl-d14 (Surr)	Ave	0.7946	0.8238		82.9	80.0	3.7	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2864.D
Lims ID: CCV HSL Client ID:
Inject. Date: 31-Oct-2013 11:26:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV HSL
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 2
Lims Batch ID: 198682 Lims Sample ID: 3
Sublist: chrom-SMSB2_8270C*sub7
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:04 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 31-Oct-2013 11:52:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.608	4.608	0.0	92	205853	40.0	
* 2 Naphthalene-d8	136	5.859	5.859	0.0	99	847486	40.0	
* 3 Acenaphthene-d10	164	7.628	7.628	0.0	98	504539	40.0	
* 4 Phenanthrene-d10	188	9.132	9.132	0.0	99	850717	40.0	
* 5 Chrysene-d12	240	13.398	13.398	0.0	91	956985	40.0	
* 6 Perylene-d12	264	17.499	17.499	0.0	99	867542	40.0	
$ 7 2-Fluorophenol	112	3.404	3.404	0.0	97	568113	78.6	
$ 8 Phenol-d5	99	4.261	4.261	0.0	99	745141	79.6	
$ 9 Nitrobenzene-d5	82	5.149	5.149	0.0	95	643654	78.0	
$ 11 2-Fluorobiphenyl	172	6.923	6.923	0.0	99	1330604	80.0	
$ 12 2,4,6-Tribromophenol	330	8.433	8.433	0.0	98	202535	85.3	
$ 13 Terphenyl-d14	244	11.142	11.142	0.0	99	1576715	82.9	
19 1,4-Dioxane	88	1.899	1.899	0.0	96	242241	79.1	
20 N-Nitrosodimethylamine	74	2.176	2.176	0.0	99	367437	76.4	
21 Pyridine	79	2.217	2.217	0.0	99	661576	78.1	
32 Phenol	94	4.279	4.279	0.0	92	760565	78.7	
34 Aniline	93	4.302	4.302	0.0	99	944853	78.9	
35 Alpha Methyl Styrene	118	4.326	4.326	0.0	87	591610	79.4	
36 Bis(2-chloroethyl)ether	93	4.338	4.338	0.0	89	573743	78.7	
38 n-Decane	43	4.396	4.396	0.0	97	566539	75.2	
39 2-Chlorophenol	128	4.420	4.420	0.0	95	608092	79.3	
40 1,3-Dichlorobenzene	146	4.555	4.555	0.0	98	660170	80.9	
42 1,4-Dichlorobenzene	146	4.626	4.626	0.0	97	667971	79.5	
43 Benzyl alcohol	108	4.737	4.737	0.0	99	387363	79.2	
44 1,2-Dichlorobenzene	146	4.778	4.778	0.0	99	649281	81.9	
45 2-Methylphenol	108	4.843	4.843	0.0	98	565242	81.4	
46 2,2'-oxybis[1-chloropropane]	45	4.843	4.843	0.0	85	768550	75.4	
47 Indene	116	4.861	4.861	0.0	92	1004530	81.0	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
49 3 & 4 Methylphenol	108	4.990	4.990	0.0	81	592848	80.9	
50 3-Methylphenol	108	4.990	4.990	0.0	66	592848	80.9	
51 4-Methylphenol	108	4.990	4.990	0.0	72	592848	80.9	
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	97	422576	78.6	
54 Acetophenone	105	4.990	4.990	0.0	94	821197	80.8	
58 Hexachloroethane	117	5.102	5.102	0.0	96	246463	81.2	
59 Nitrobenzene	77	5.172	5.172	0.0	98	631594	77.1	
63 Isophorone	82	5.384	5.384	0.0	100	1110420	77.1	
64 2-Nitrophenol	139	5.478	5.478	0.0	92	324480	80.1	
65 2,4-Dimethylphenol	107	5.507	5.507	0.0	99	598213	79.4	
68 Benzoic acid	105	5.619	5.619	0.0	98	752255	152.5	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	95	702193	78.2	
71 3,5-Dimethylphenol	107	5.636	5.636	0.0	98	639565	82.0	
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	97	512892	81.0	
76 1,2,4-Trichlorobenzene	180	5.795	5.795	0.0	94	553763	79.4	
79 Naphthalene	128	5.883	5.883	0.0	100	1777047	80.4	
80 4-Chloroaniline	127	5.936	5.936	0.0	100	803632	79.9	
83 Hexachlorobutadiene	225	5.977	5.977	0.0	96	290839	79.6	
86 Caprolactam	55	6.277	6.277	0.0	94	329479	76.5	
89 4-Chloro-3-methylphenol	107	6.418	6.418	0.0	98	527224	81.4	
93 2-Methylnaphthalene	142	6.565	6.565	0.0	96	1237716	81.4	
96 1-Methylnaphthalene	142	6.670	6.670	0.0	99	1172583	81.9	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	98	252180	74.1	
98 1,2,4,5-Tetrachlorobenzene	216	6.735	6.735	0.0	96	548029	81.6	
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	93	354780	81.8	
101 2,3-Dichlorobenzenamine	161	6.858	6.858	0.0	93	658188	79.9	
102 2,4,5-Trichlorophenol	196	6.911	6.911	0.0	98	383206	81.8	
104 1,1'-Biphenyl	154	7.029	7.029	0.0	96	1488021	80.4	
106 2-Chloronaphthalene	162	7.064	7.064	0.0	99	1170126	80.4	
108 2-Nitroaniline	65	7.176	7.176	0.0	96	396384	78.9	
111 Dimethyl phthalate	163	7.322	7.322	0.0	100	1290866	80.7	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	82	228971	85.5	
113 2,6-Dinitrotoluene	165	7.405	7.405	0.0	97	317166	82.9	
114 Acenaphthylene	152	7.487	7.487	0.0	100	1897625	81.1	
115 3-Nitroaniline	138	7.593	7.593	0.0	98	379888	81.6	
117 Acenaphthene	153	7.657	7.657	0.0	99	1202715	79.5	
118 2,4-Dinitrophenol	184	7.693	7.693	0.0	94	290028	142.1	
119 4-Nitrophenol	109	7.787	7.787	0.0	98	372517	170.9	
122 2,4-Dinitrotoluene	165	7.810	7.810	0.0	92	426125	85.1	
123 Dibenzofuran	168	7.834	7.834	0.0	100	1664265	80.4	
125 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	0.0	73	309284	85.0	
127 Hexadecane	57	7.986	7.986	0.0	97	883260	77.1	
130 Diethyl phthalate	149	8.022	8.022	0.0	100	1306149	81.7	
134 4-Chlorophenyl phenyl ether	204	8.157	8.157	0.0	98	619460	80.5	
135 Fluorene	166	8.180	8.180	0.0	100	1407912	81.4	
138 4-Nitroaniline	138	8.216	8.216	0.0	97	381754	82.7	
139 4,6-Dinitro-2-methylphenol	198	8.227	8.227	0.0	90	454345	157.7	
141 N-Nitrosodiphenylamine	169	8.280	8.280	0.0	98	1019493	82.4	
143 1,2-Diphenylhydrazine	77	8.321	8.321	0.0	97	1396889	81.3	
144 Azobenzene	77	8.321	8.321	0.0	97	1396889	80.4	
147 2,4,6 - Tribromophenol	330	8.433	8.433	0.0	98	203085	84.7	
156 4-Bromophenyl phenyl ether	248	8.656	8.656	0.0	99	375886	81.7	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
157 Hexachlorobenzene	284	8.733	8.733	0.0	96	449000	82.5	
159 Atrazine	200	8.797	8.797	0.0	94	306878	78.9	
161 n-Octadecane	85	8.909	8.909	0.0	97	322990	81.8	
163 Pentachlorophenol	266	8.944	8.944	0.0	99	453838	157.7	
168 Phenanthrene	178	9.161	9.161	0.0	100	2005624	83.1	
169 Anthracene	178	9.208	9.208	0.0	100	2065316	83.2	
170 Carbazole	167	9.379	9.379	0.0	100	1994208	82.5	
171 Alachlor	188	9.461	9.461	0.0	96	249720	83.7	
173 Di-n-butyl phthalate	149	9.673	9.673	0.0	100	2214173	83.6	
179 Fluoranthene	202	10.577	10.577	0.0	100	2151067	82.0	
181 Benzidine	184	10.777	10.777	0.0	73	1111608	74.0	
182 Pyrene	202	10.936	10.936	0.0	99	2263870	82.7	
188 Famphur	218	11.952	11.952	0.0	97	646099	76.2	
190 Butyl benzyl phthalate	149	12.052	12.052	0.0	98	979881	82.4	
195 Bis(2-ethylhexyl) phthalate	149	13.380	13.380	0.0	96	1289826	81.2	
197 3,3'-Dichlorobenzidine	252	13.345	13.345	0.0	98	790822	80.2	
198 Benzo[a]anthracene	228	13.368	13.368	0.0	99	2099271	80.7	
199 Chrysene	228	13.462	13.462	0.0	99	2022414	81.8	
201 Di-n-octyl phthalate	149	15.243	15.243	0.0	99	1882899	70.4	
203 Benzo[b]fluoranthene	252	16.353	16.353	0.0	96	2030532	84.6	
204 Benzo[k]fluoranthene	252	16.429	16.429	0.0	96	2192707	86.3	
206 Benzo[e]pyrene	252	17.176	17.176	0.0	98	1768177	83.8	
207 Benzo[a]pyrene	252	17.328	17.328	0.0	99	2044007	85.1	
213 Dibenz(a,h)anthracene	278	20.771	20.771	0.0	75	1855775	82.3	
214 Indeno[1,2,3-cd]pyrene	276	20.689	20.689	0.0	71	1742363	74.9	M
215 Benzo[g,h,i]perylene	276	21.459	21.459	0.0	96	1955379	81.7	
S 217 Total Cresols	108				0		162.3	
S 218 Methyl Phenols,Total	108				0		162.3	

QC Flag Legend

Review Flags
M - Manually Integrated

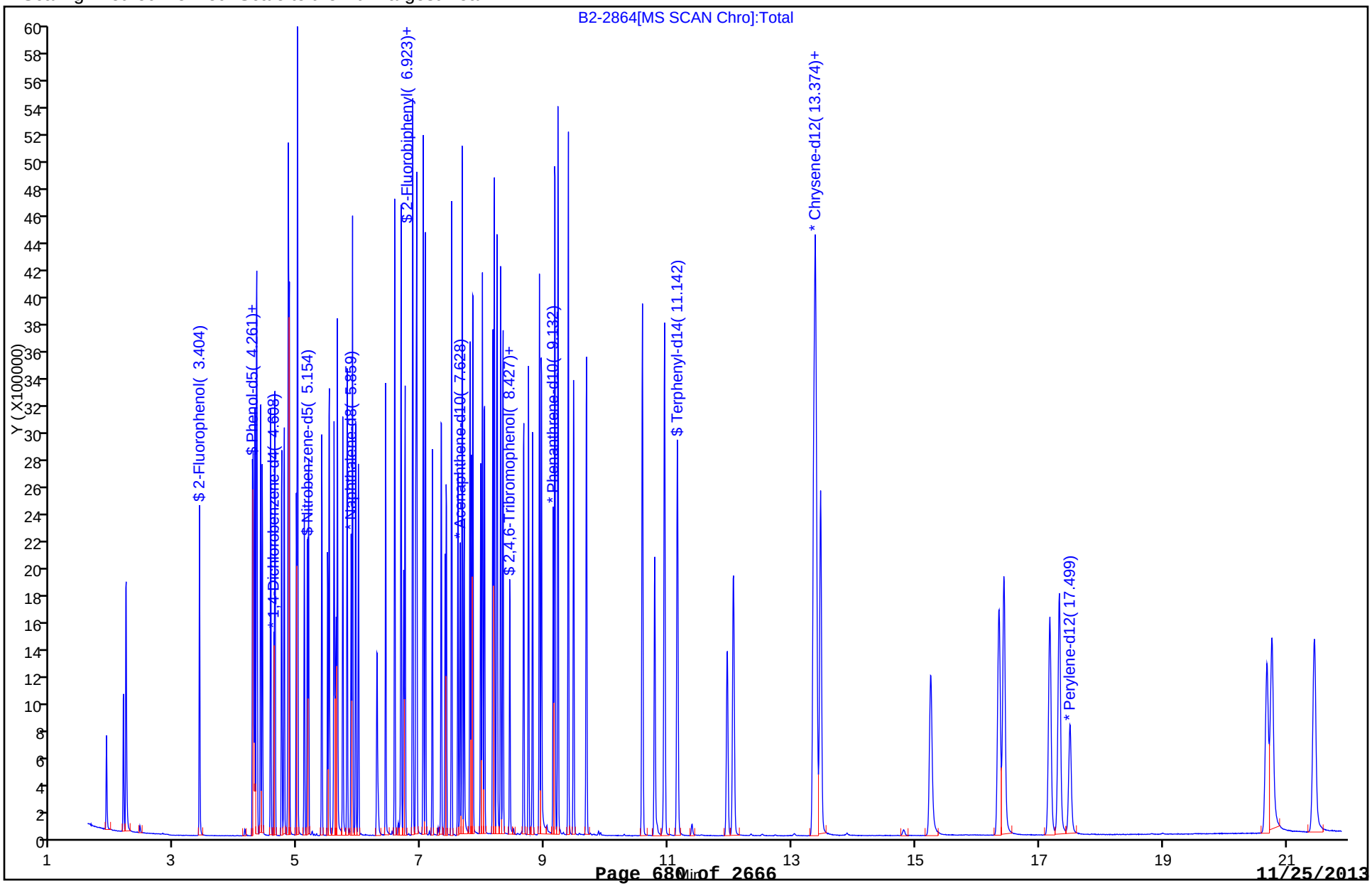
Report Date: 01-Nov-2013 09:55:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2864.D

Injection Date:	31-Oct-2013 11:26:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

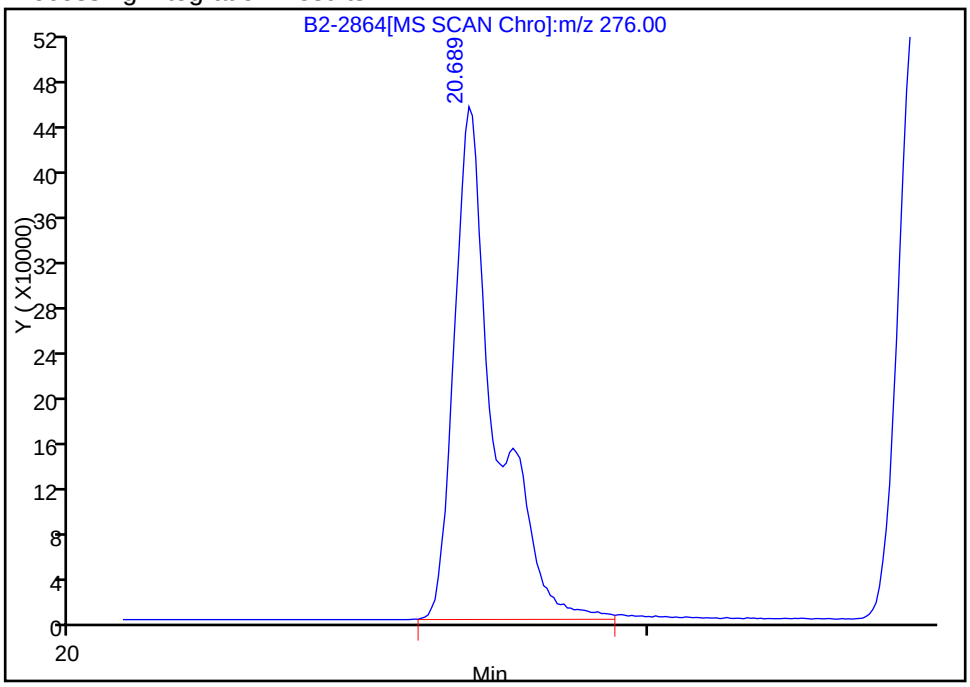
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2864.D		
Injection Date:	31-Oct-2013 11:26:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	3
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

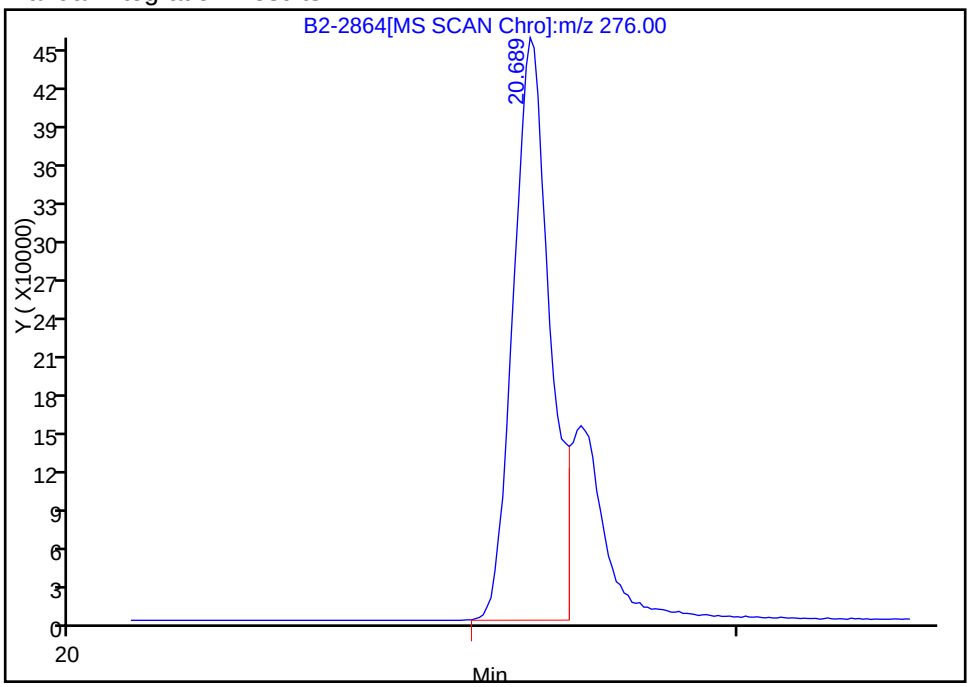
Processing Integration Results

RT: 20.69
Response: 2249343
Amount: 96.744626



Manual Integration Results

RT: 20.69
Response: 1742363
Amount: 74.939330



Reviewer: kiekeld, 31-Oct-2013 11:52:03
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/28 Calibration Date: 10/31/2013 11:56

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 13:34

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 16:27

Lab File ID: B2-2865.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodiethylamine	Ave	0.6430	0.6541		81.4	80.0	1.7	20.0
Ethyl methanesulfonate	Ave	1.067	1.090		81.7	80.0	2.1	50.0
Pentachloroethane	Ave	0.4568	0.4632		81.1	80.0	1.4	20.0
N-Nitrosopyrrolidine	Ave	0.7548	0.7736		82.0	80.0	2.5	20.0
o,o',o''-Triethylphosphorothioate	Ave	0.1539	0.1544		80.3	80.0	0.3	20.0
2,6-Dichlorophenol	Ave	0.2570	0.2820		87.8	80.0	9.7	20.0
N-Nitrosodi-n-butylamine	Ave	0.2252	0.2334		82.9	80.0	3.6	20.0
Pentachlorobenzene	Ave	0.4778	0.4838		81.0	80.0	1.3	20.0
Thionazin	Ave	0.2759	0.2957		85.7	80.0	7.2	20.0
Sulfotepp	Ave	0.1166	0.1232		84.5	80.0	5.6	20.0
Diallate Peak 1	Ave	0.2863	0.3004		74.0	70.6	4.9	50.0
Phorate	Ave	0.1299	0.1362		83.8	80.0	4.8	20.0
Dimethoate	Ave	0.2579	0.2675		83.0	80.0	3.7	20.0
Pentachloronitrobenzene	Ave	0.0806	0.0852		84.5	80.0	5.6	50.0
Disulfoton	Ave	0.3397	0.3565		84.0	80.0	4.9	20.0
Methyl parathion	Ave	0.2143	0.2278		85.0	80.0	6.3	20.0
Ethyl Parathion	Ave	0.1397	0.1502		86.0	80.0	7.5	20.0
p-Dimethylamino azobenzene	Ave	0.2849	0.3070		86.2	80.0	7.7	50.0
7,12-Dimethylbenz(a)anthracene	Ave	0.5297	0.5716		86.3	80.0	7.9	50.0

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2865.D
Lims ID: CCV AP9 Client ID:
Inject. Date: 31-Oct-2013 11:56:30 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AP9
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 3
Lims Batch ID: 198682 Lims Sample ID: 28
Sublist: chrom-SMSB2_8270C*sub8
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:06 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 31-Oct-2013 12:27:03

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.607	4.607	0.0	92	231446	40.0	
* 2 Naphthalene-d8	136	5.858	5.858	0.0	98	928969	40.0	
* 3 Acenaphthene-d10	164	7.621	7.621	0.0	99	540652	40.0	
* 4 Phenanthrene-d10	188	9.131	9.131	0.0	98	951690	40.0	
* 5 Chrysene-d12	240	13.391	13.391	0.0	75	1032231	40.0	
* 6 Perylene-d12	264	17.498	17.498	0.0	97	926419	40.0	
23 2-Picoline	93	2.862	2.862	0.0	95	691482	80.6	
24 N-Nitrosomethylethylamine	88	2.962	2.962	0.0	92	304361	80.6	
25 Acrylamide	71	3.214	3.214	0.0	67	267597	84.9	
26 Methyl methanesulfonate	80	3.238	3.238	0.0	88	386881	80.8	
27 N-Nitrosodiethylamine	102	3.596	3.596	0.0	94	302781	81.4	
29 Ethyl methanesulfonate	79	3.867	3.867	0.0	97	504371	81.7	
37 Pentachloroethane	117	4.348	4.348	0.0	85	214407	81.1	
53 N-Nitrosopyrrolidine	100	4.983	4.983	0.0	89	358087	82.0	
55 N-Nitrosomorpholine	116	5.018	5.018	0.0	94	136226	81.5	
57 2-Toluidine	106	5.030	5.030	0.0	86	1020189	81.7	
61 N-Nitrosopiperidine	114	5.318	5.318	0.0	83	334123	81.6	
67 o,o',o''-Triethylphosphorothioat	198	5.535	5.535	0.0	88	286924	80.3	
73 alpha,alpha-Dimethyl phenethylam	58	5.688	5.688	0.0	97	1697976	75.7	
81 2,6-Dichlorophenol	162	5.941	5.941	0.0	95	523871	87.8	
82 Hexachloropropene	213	5.958	5.958	0.0	86	352011	81.4	
84 Quinoline	129	6.217	6.217	0.0	96	1267528	82.2	
85 N-Nitrosodi-n-butylamine	84	6.229	6.229	0.0	92	433648	82.9	
87 p-Phenylene diamine	108	6.287	6.287	0.0	96	817348	81.2	
90 Safrole, Total	162	6.458	6.458	0.0	88	506404	81.9	
99 Isosafrole Peak 1	162	6.757	6.757	0.0	92	79894	14.3	
103 Isosafrole Peak 2	104	6.981	6.981	0.0	92	113369	70.1	
107 1-Chloronaphthalene	162	7.086	7.086	0.0	97	1178414	82.5	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
109 1,4-Naphthoquinone	158	7.245	7.245	0.0	84	329883	88.6	
110 1,4-Dinitrobenzene	168	7.304	7.304	0.0	94	206526	86.9	
121 Pentachlorobenzene	250	7.786	7.786	0.0	98	523121	81.0	
124 1-Naphthylamine	143	7.921	7.921	0.0	99	1403384	84.0	
129 2-Naphthylamine	143	7.997	7.997	0.0	95	1446081	83.2	
133 Thionazin	97	8.103	8.103	0.0	80	319720	85.7	
137 N-Nitro-o-toluidine	152	8.197	8.197	0.0	97	437157	84.5	
142 Diphenylamine	169	8.279	8.279	0.0	94	1271785	84.9	
146 Sulfotepp	97	8.391	8.391	0.0	82	234397	84.5	
150 Diallate Peak 1	86	8.538	8.538	0.0	96	504275	74.0	
151 1,3,5-Trinitrobenzene	213	8.561	8.561	0.0	71	132666	78.6	
152 Phorate	121	8.555	8.555	0.0	94	259161	83.8	
153 Phenacetin	108	8.585	8.585	0.0	92	706541	83.5	
155 Diallate Peak 2	86	8.637	8.637	0.0	97	73212	10.1	
158 Dimethoate	87	8.755	8.755	0.0	93	509092	83.0	
162 4-Aminobiphenyl	169	8.931	8.931	0.0	84	1641589	82.1	
164 Pentachloronitrobenzene	237	8.937	8.937	0.0	85	162094	84.5	
165 Pronamide	173	8.949	8.949	0.0	88	621084	84.1	
166 Disulfoton	88	9.078	9.078	0.0	96	678607	84.0	
167 Dinoseb	211	9.090	9.090	0.0	94	280309	77.7	
172 Methyl parathion	109	9.484	9.484	0.0	94	433573	85.0	
174 Ethyl Parathion	109	9.907	9.907	0.0	84	285939	86.0	
175 4-Nitroquinoline-1-oxide	190	10.030	10.030	0.0	87	102475	67.1	M
176 Methapyrilene	97	10.048	10.048	0.0	95	575843	73.2	
178 Isodrin	193	10.341	10.341	0.0	92	227186	82.0	
183 Aramite Peak 1	185	11.052	11.052	0.0	96	64558	36.7	
185 Aramite Peak 2	185	11.187	11.187	0.0	92	77186	45.3	
186 p-Dimethylamino azobenzene	120	11.393	11.393	0.0	96	633685	86.2	
187 Chlorobenzilate	251	11.452	11.452	0.0	90	609297	83.5	
191 3,3'-Dimethylbenzidine	212	12.080	12.080	0.0	96	1230701	77.6	
194 2-Acetylaminofluorene	181	12.639	12.639	0.0	95	880690	82.2	
196 4,4'-Methylene bis(2-chloroanili	231	13.344	13.344	0.0	88	370507	81.0	
200 6-Methylchrysene	242	14.660	14.660	0.0	99	1612879	83.2	
202 7,12-Dimethylbenz(a)anthracene	256	16.334	16.334	0.0	81	1059061	86.3	
209 3-Methylcholanthrene	268	18.391	18.391	0.0	72	1124182	86.3	
211 Dibenz[a,h]acridine	279	20.036	20.036	0.0	88	1642715	83.7	
212 Dibenz[a,j]acridine	279	20.195	20.195	0.0	100	1747417	87.2	
S 219 Isosafrole	162				0		84.4	
S 220 Diallate	86				0		84.1	
S 221 Aramite, Total	185				0		82.0	

QC Flag Legend

Review Flags
M - Manually Integrated

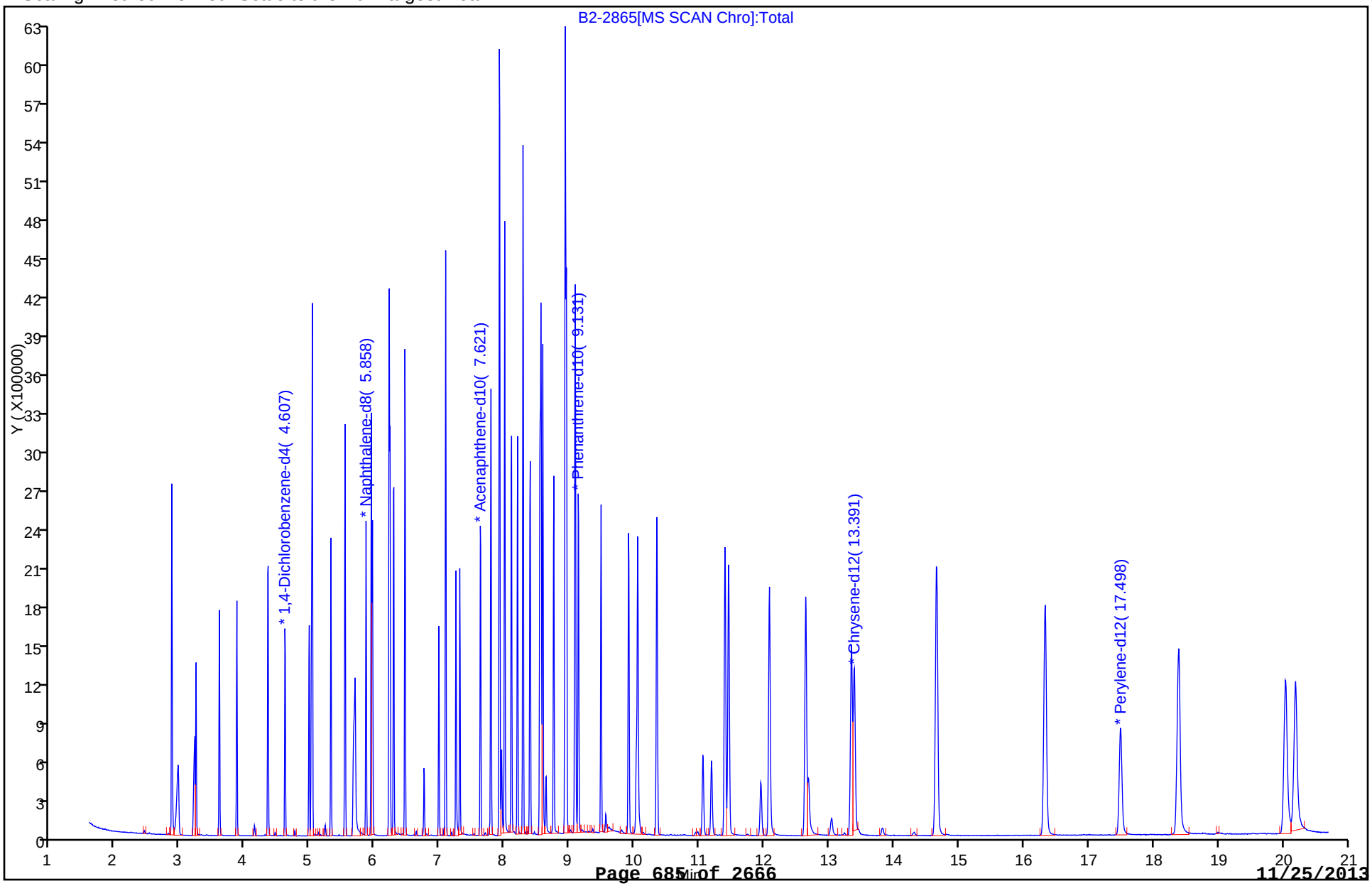
Report Date: 01-Nov-2013 09:55:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2865.D

Injection Date:	31-Oct-2013 11:56:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	28
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198682/29 Calibration Date: 10/31/2013 12:24

Instrument ID: SMS_B2 Calib Start Date: 10/22/2013 18:21

GC Column: Vf-5MS (30.25) ID: 0.25(mm) Calib End Date: 10/22/2013 20:57

Lab File ID: B2-2866.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzaldehyde	Ave	1.114	0.9372		84.2	100	-15.8	20.0

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2866.D		
Lims ID:	CCV BZHD	Client ID:	
Inject. Date:	31-Oct-2013 12:24:30	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV BZHD		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	4
Lims Batch ID:	198682	Lims Sample ID:	29
Sublist:	chrom-SMSB2_8270C*sub3		
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	01-Nov-2013 09:55:07	Calib Date:	31-Oct-2013 13:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK002		
First Level Reviewer: kiekeld		Date:	31-Oct-2013 13:15:49

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.608	4.608	0.0	92	183786	40.0	
* 2 Naphthalene-d8	136	5.859	5.859	0.0	99	742108	40.0	
* 3 Acenaphthene-d10	164	7.622	7.622	0.0	99	434888	40.0	
* 4 Phenanthrene-d10	188	9.132	9.132	0.0	99	774417	40.0	
* 5 Chrysene-d12	240	13.392	13.392	0.0	70	820758	40.0	
* 6 Perylene-d12	264	17.493	17.493	0.0	97	765077	40.0	
31 Benzaldehyde	106	4.203	4.203	0.0	89	430591	84.2	

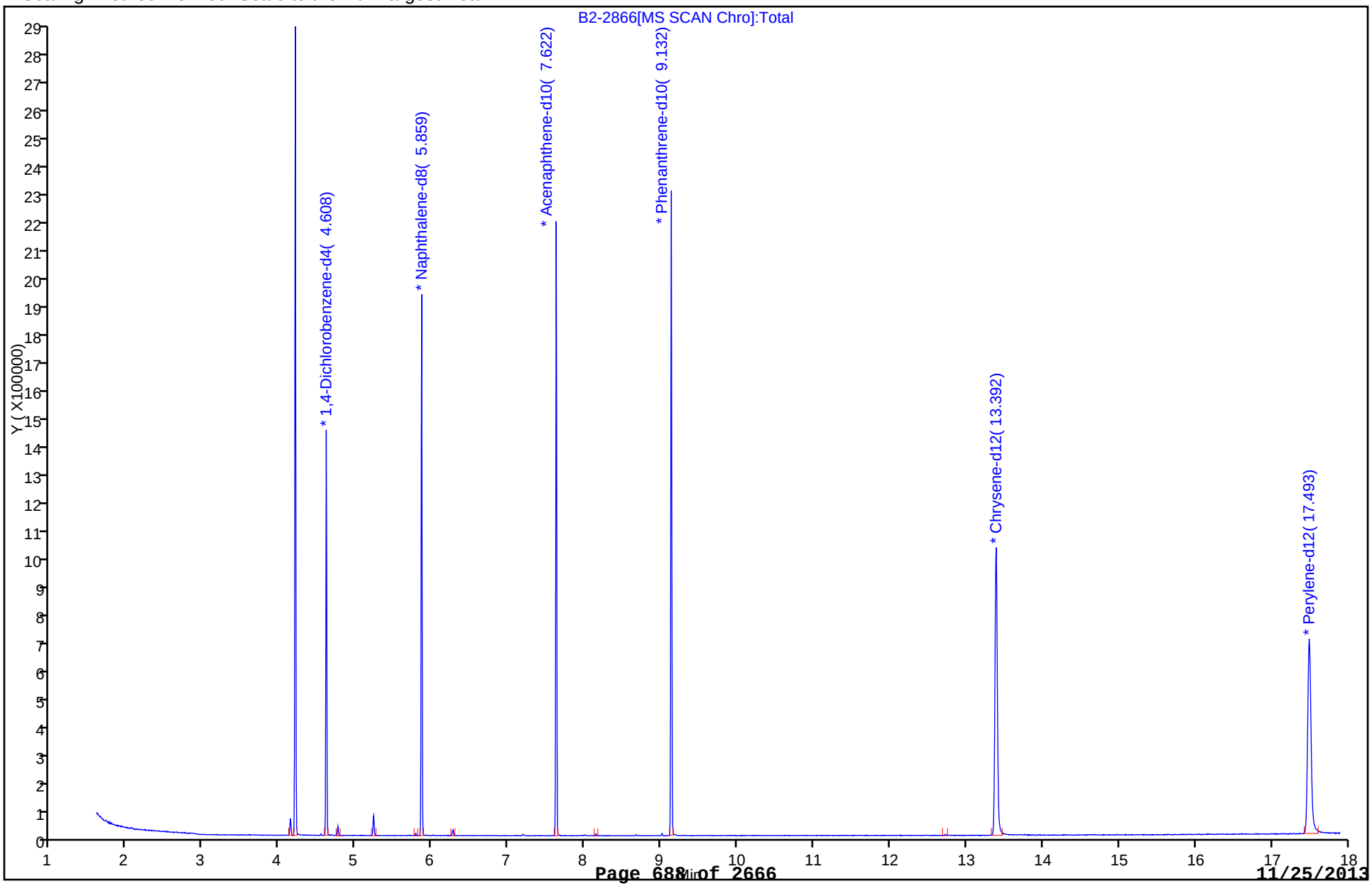
Report Date: 01-Nov-2013 09:55:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2866.D

Injection Date:	31-Oct-2013 12:24:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	29
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	22-Oct-2013 07:38:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	1
Lims Batch ID:	197081	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	22-Oct-2013 13:24:18	Calib Date:	22-Oct-2013 11:23:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2662.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK003		
First Level Reviewer: kiekeld		Date:	22-Oct-2013 07:46:38

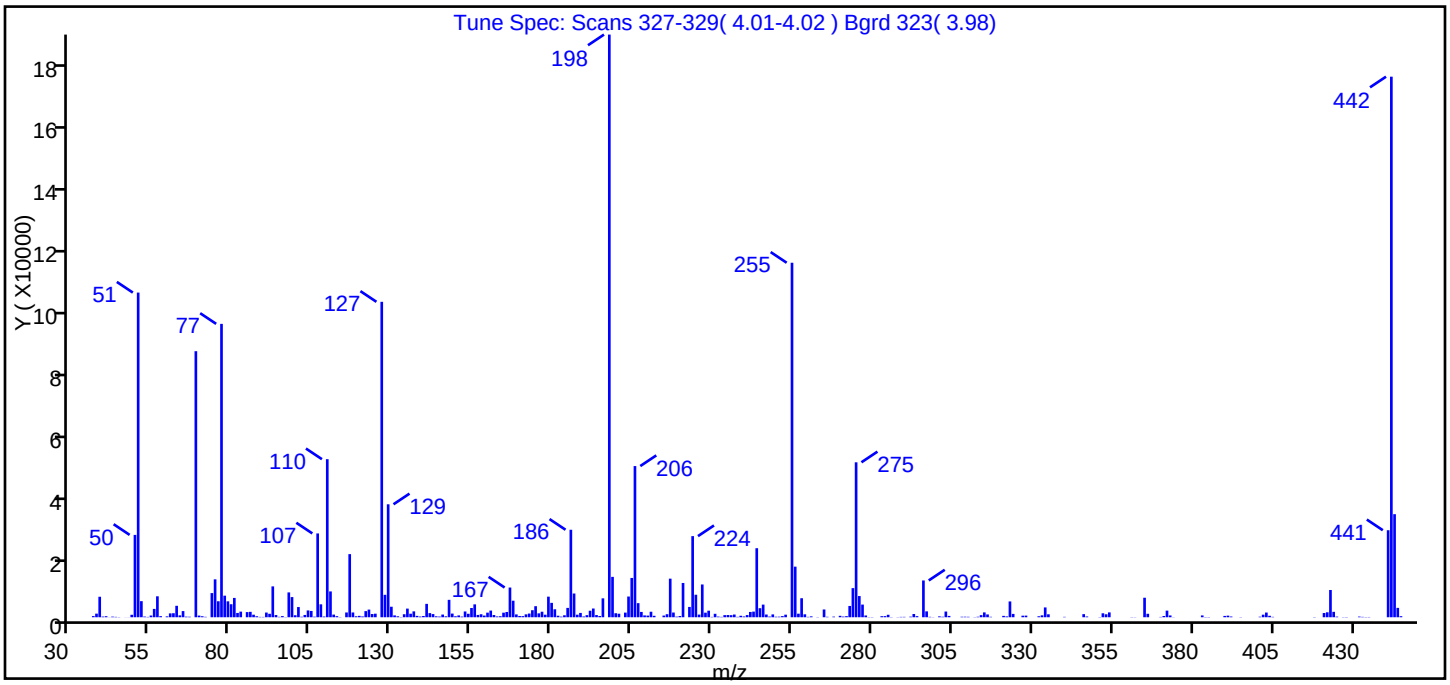
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.773	3.773	0.0	88	179927	0	
30 DFTPP								
48 Benzidine_T	184	4.883	4.883	0.0	99	1561084	0	
56 4,4'-DDE	246	4.995	4.995	0.0	3	745	0	
62 4,4'-DDD	235	5.283	5.283	0.0	65	6866	0	
70 4,4'-DDT	235	5.512	5.512	0.0	98	621663	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D		
Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.72
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	45.66
70	Less than 2.00% of mass 69	0.29 (0.63)
127	40.00 - 60.00% of mass 198	54.14
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.93
275	10.00 - 30.00% of mass 198	26.59
365	Greater than 1.00% of mass 198	3.35
441	Present, but less than mass 443%	14.94 (84.43)
442	Greater than 40.00% of mass 198	92.78
443	17.00 - 23.00% of mass 442	17.69 (19.07)

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 07:38:30
Spectrum: Tune Spec: Scans 327-329(4.01-4.02) Bgrd 323(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	382	121.00	259	201.00	1140	292.00	192
38.00	1169	122.00	1987	203.00	1506	293.00	1054
39.00	6642	123.00	2481	204.00	6714	294.00	358
40.00	228	124.00	1049	205.00	12729	296.00	11921
41.00	339	125.00	1153	206.00	48976	297.00	1909
42.00	34	127.00	102176	207.00	4569	298.00	137
43.00	203	128.00	7269	208.00	1730	299.00	52
44.00	128	129.00	36592	209.00	600	301.00	287
45.00	63	130.00	3407	210.00	537	302.00	164
47.00	25	131.00	603	211.00	1788	303.00	1851
48.00	32	132.00	313	212.00	471	304.00	434
49.00	802	133.00	80	215.00	546	308.00	166
50.00	26680	134.00	975	216.00	984	309.00	174
51.00	105168	135.00	2801	217.00	12502	310.00	148
52.00	5215	136.00	1143	218.00	1530	312.00	62
53.00	225	137.00	1911	219.00	202	313.00	165
54.00	111	138.00	447	220.00	395	314.00	686
55.00	559	139.00	229	221.00	11104	315.00	1570
56.00	2707	140.00	409	223.00	3342	316.00	912
57.00	6790	141.00	4336	224.00	26280	317.00	147
58.00	366	142.00	1343	225.00	7296	321.00	448
60.00	285	143.00	1031	226.00	861	322.00	272
61.00	1254	144.00	304	227.00	10617	323.00	5125
62.00	1309	145.00	228	228.00	1483	324.00	1084
63.00	3711	146.00	874	229.00	2128	327.00	509
64.00	611	147.00	301	230.00	120	328.00	532
65.00	2000	148.00	5645	231.00	1120	332.00	326
66.00	201	149.00	1194	232.00	221	333.00	620
67.00	173	150.00	322	233.00	121	334.00	3182
69.00	86184	151.00	594	234.00	688	335.00	961
70.00	540	152.00	213	235.00	718	340.00	131
71.00	325	153.00	1873	236.00	678	346.00	1008
72.00	137	154.00	1130	237.00	880	347.00	246

Report Date: 22-Oct-2013 13:24:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 07:38:30
Spectrum: Tune Spec: Scans 327-329(4.01-4.02) Bgrd 323(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	7831	155.00	2998	238.00	129	351.00	76
75.00	12282	156.00	4174	239.00	481	352.00	1285
76.00	5182	157.00	757	240.00	254	353.00	964
77.00	95032	158.00	974	241.00	707	354.00	1571
78.00	6990	159.00	544	242.00	1715	361.00	66
79.00	5156	160.00	1494	243.00	1831	362.00	52
80.00	4221	161.00	2161	244.00	22368	365.00	6323
81.00	6263	162.00	723	245.00	2933	366.00	1125
82.00	1394	163.00	265	246.00	4100	370.00	106
83.00	1825	164.00	327	247.00	886	371.00	400
85.00	1671	165.00	1480	248.00	227	372.00	2147
86.00	1756	166.00	1708	249.00	924	373.00	582
87.00	827	167.00	9630	250.00	172	374.00	50
88.00	324	168.00	5360	251.00	191	383.00	589
89.00	122	169.00	918	252.00	375	384.00	80
90.00	109	170.00	411	253.00	834	385.00	80
91.00	1522	171.00	370	255.00	114832	390.00	433
92.00	1122	172.00	942	256.00	16392	391.00	517
93.00	9999	173.00	1199	257.00	1155	392.00	239
94.00	714	174.00	2282	258.00	6167	395.00	68
95.00	134	175.00	3587	259.00	958	401.00	180
96.00	376	176.00	1263	260.00	126	402.00	831
97.00	64	177.00	1793	261.00	288	403.00	1528
98.00	8047	178.00	827	263.00	65	404.00	476
99.00	6534	179.00	6672	265.00	2521	405.00	130
100.00	652	180.00	4664	266.00	148	418.00	78
101.00	3306	181.00	2586	268.00	208	421.00	1376
102.00	163	182.00	496	270.00	466	422.00	1613
103.00	746	183.00	199	271.00	219	423.00	8830
104.00	2213	184.00	640	272.00	355	424.00	1759
105.00	2047	185.00	3033	273.00	3658	425.00	210
106.00	187	186.00	28344	274.00	9439	427.00	65
107.00	27152	187.00	7692	275.00	50192	428.00	81
108.00	4191	188.00	827	276.00	6869	432.00	222

Report Date: 22-Oct-2013 13:24:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 07:38:30
Spectrum: Tune Spec: Scans 327-329(4.01-4.02) Bgrd 323(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 309

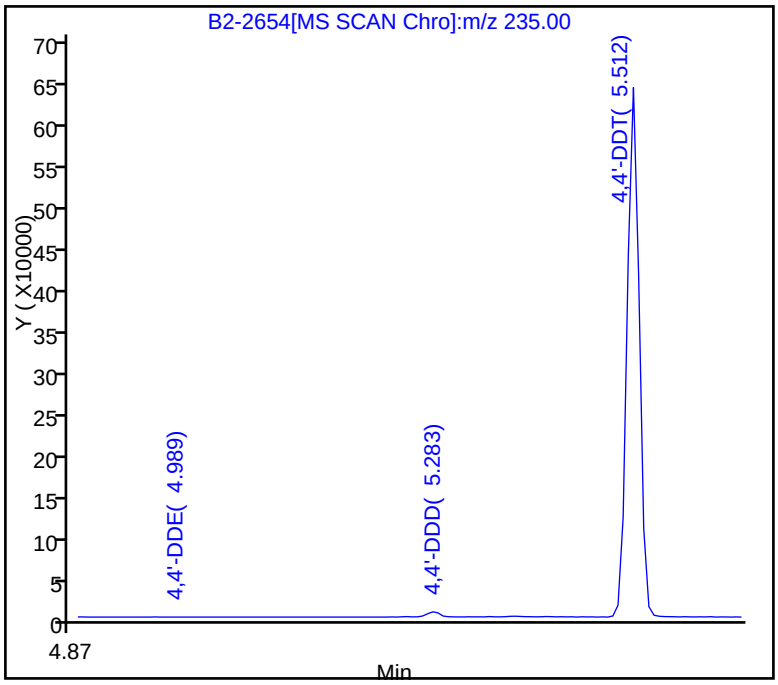
m/z	Y	m/z	Y	m/z	Y	m/z	Y
109.00	232	189.00	1405	277.00	4104	433.00	127
110.00	51200	190.00	243	278.00	574	434.00	73
111.00	8368	191.00	677	279.00	68	435.00	92
112.00	862	192.00	2114	280.00	71	441.00	28192
113.00	355	193.00	2831	283.00	346	442.00	175104
114.00	69	194.00	716	284.00	371	443.00	33392
116.00	1549	195.00	403	285.00	808	444.00	3039
117.00	20448	196.00	6125	286.00	69	445.00	342
118.00	1552	198.00	188736	288.00	58		
119.00	315	199.00	13079	289.00	122		
120.00	454	200.00	1302	290.00	130		

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D		
Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 621663
62 4,4'-DDD, Area = 6866
56 4,4'-DDE, Area = 745

%Breakdown: 1.21%, Max Limit: 20.00%
Passed

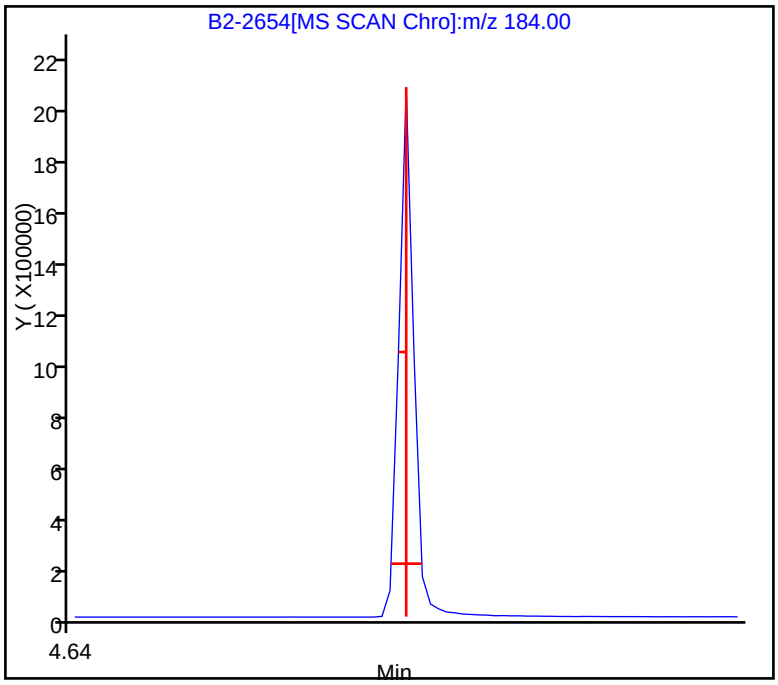
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D

Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

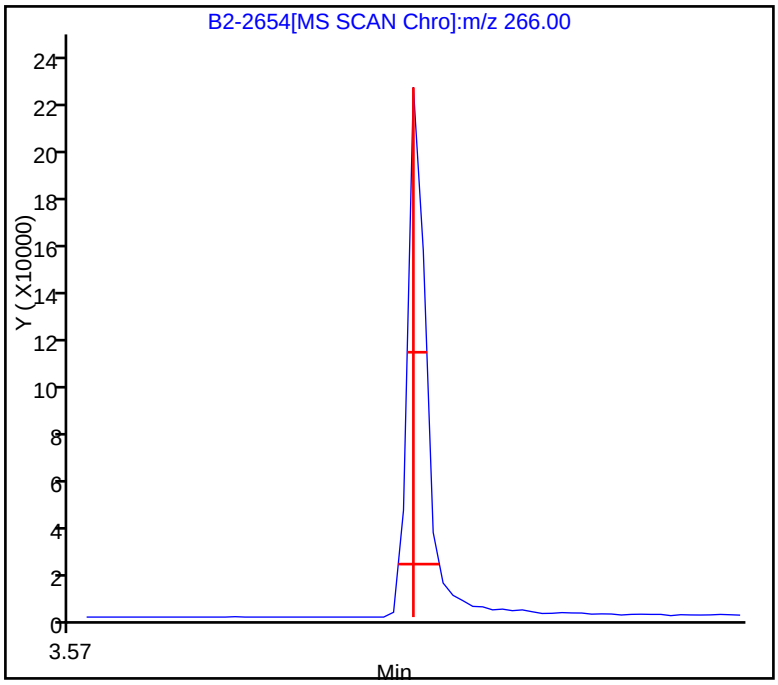
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16570.b\B2-2654.D

Injection Date:	22-Oct-2013 07:38:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197081	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.7, Max. Tailing < 5.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D
Lims ID: DFTPP Client ID:
Inject. Date: 22-Oct-2013 13:21:30 Dil. Factor: 1.0000
Sample Type: DFTPP
Sample ID: DFTPP
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 13
Lims Batch ID: 197087 Lims Sample ID: 14
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 23-Oct-2013 06:54:39 Calib Date: 23-Oct-2013 00:24:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK007

First Level Reviewer: kiekeld Date: 22-Oct-2013 13:30:27

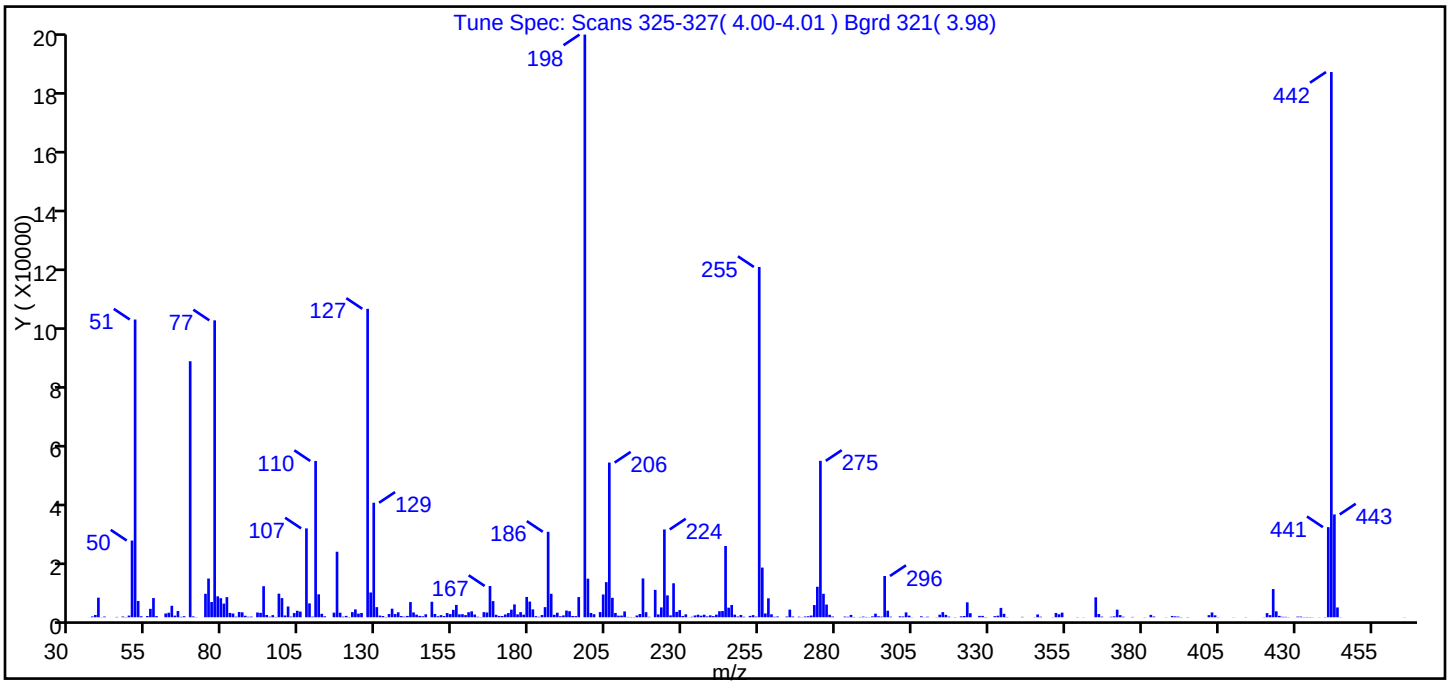
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.770	3.770	0.0	93	125326	0	
30 DFTPP								
48 Benzidine_T	184	4.874	4.874	0.0	99	1549529	0	
56 4,4'-DDE	246	4.980	4.980	0.0	10	911	0	
62 4,4'-DDD	235	5.274	5.274	0.0	71	5970	0	
70 4,4'-DDT	235	5.503	5.503	0.0	99	618615	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	51.10
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.94
70	Less than 2.00% of mass 69	0.15 (0.33)
127	40.00 - 60.00% of mass 198	52.94
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.62
275	10.00 - 30.00% of mass 198	26.84
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443%	15.46 (87.64)
442	Greater than 40.00% of mass 198	93.57
443	17.00 - 23.00% of mass 442	17.65 (18.86)

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	20	131.00	554	214.00	67	304.00	535
37.00	270	132.00	418	215.00	584	305.00	61
38.00	749	133.00	95	216.00	1072	308.00	306
39.00	6446	134.00	1071	217.00	12805	309.00	53
40.00	52	135.00	2824	218.00	1668	310.00	183
41.00	230	136.00	1057	219.00	153	313.00	63
45.00	118	137.00	1636	221.00	9030	314.00	855
47.00	242	138.00	403	222.00	938	315.00	1686
48.00	84	139.00	197	223.00	3241	316.00	781
49.00	557	140.00	447	224.00	28952	317.00	225
50.00	25296	141.00	5007	225.00	7220	319.00	74
51.00	98176	142.00	1599	226.00	622	321.00	299
52.00	5358	143.00	859	227.00	11202	322.00	406
53.00	330	144.00	454	228.00	1767	323.00	4918
55.00	399	145.00	331	229.00	2349	324.00	1330
56.00	2777	146.00	975	230.00	432	327.00	455
57.00	6335	148.00	5116	231.00	956	328.00	456
58.00	373	149.00	1082	232.00	52	329.00	93
61.00	1235	150.00	339	233.00	169	332.00	364
62.00	1487	151.00	699	234.00	594	333.00	510
63.00	3786	152.00	393	235.00	835	334.00	3089
64.00	532	153.00	1387	236.00	511	335.00	1133
65.00	2059	154.00	1032	237.00	838	336.00	99
66.00	148	155.00	2443	238.00	277	341.00	126
67.00	346	156.00	4066	239.00	638	345.00	57
69.00	84416	157.00	960	240.00	383	346.00	924
70.00	281	158.00	1015	241.00	856	347.00	178
71.00	66	159.00	701	242.00	1991	351.00	58
74.00	7740	160.00	1653	243.00	2052	352.00	1419
75.00	12771	161.00	1959	244.00	23496	353.00	983
76.00	5034	162.00	887	245.00	3167	354.00	1526
77.00	97904	163.00	182	246.00	4053	359.00	68
78.00	6899	164.00	79	247.00	844	361.00	52

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6288	165.00	1681	248.00	250	365.00	6572
80.00	4500	166.00	1572	249.00	751	366.00	1057
81.00	6631	167.00	10318	250.00	172	367.00	213
82.00	1431	168.00	5333	251.00	11	370.00	170
83.00	1232	169.00	820	252.00	448	371.00	294
84.00	200	170.00	436	253.00	698	372.00	2503
85.00	1722	171.00	405	254.00	212	373.00	710
86.00	1631	172.00	915	255.00	115504	374.00	176
87.00	498	173.00	1375	256.00	16384	377.00	119
88.00	174	174.00	2505	257.00	1254	381.00	60
89.00	217	175.00	4231	258.00	6248	383.00	783
91.00	1568	176.00	948	259.00	977	384.00	248
92.00	1449	177.00	1690	260.00	161	388.00	53
93.00	10243	178.00	856	261.00	266	390.00	432
94.00	757	179.00	6697	264.00	243	391.00	292
95.00	194	180.00	5168	265.00	2517	392.00	223
96.00	694	181.00	2595	266.00	242	393.00	76
97.00	109	182.00	361	268.00	184	395.00	84
98.00	7778	183.00	162	269.00	54	402.00	697
99.00	6315	184.00	732	270.00	246	403.00	1576
100.00	588	185.00	3341	271.00	320	404.00	632
101.00	3548	186.00	28184	272.00	568	405.00	71
102.00	220	187.00	7740	273.00	4035	410.00	51
103.00	1385	188.00	809	274.00	10060	414.00	60
104.00	2143	189.00	1493	275.00	51576	420.00	59
105.00	1874	190.00	341	276.00	7740	421.00	1363
107.00	29304	191.00	608	277.00	4187	422.00	705
108.00	4571	192.00	2203	278.00	818	423.00	9303
109.00	212	193.00	1992	279.00	246	424.00	1958
110.00	51528	194.00	423	283.00	225	425.00	456
111.00	7569	195.00	367	284.00	158	426.00	157
112.00	1142	196.00	6648	285.00	775	427.00	133
113.00	329	198.00	192128	286.00	98	428.00	65
116.00	1518	199.00	12723	288.00	100	431.00	210

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

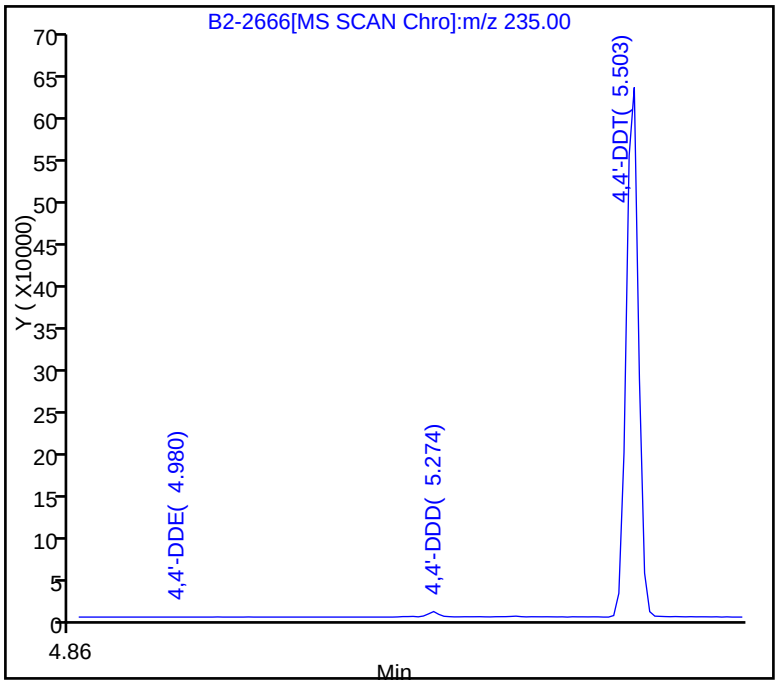
m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	21608	200.00	1416	289.00	206	432.00	219
118.00	1500	201.00	999	290.00	103	433.00	77
119.00	201	203.00	1709	291.00	58	434.00	96
120.00	455	204.00	7508	292.00	293	435.00	81
121.00	105	205.00	11587	293.00	1176	436.00	55
122.00	1685	206.00	51008	294.00	324	438.00	54
123.00	2592	207.00	6404	295.00	191	440.00	74
124.00	1205	208.00	1418	296.00	13607	441.00	29712
125.00	1406	209.00	531	297.00	2154	442.00	179776
127.00	101704	210.00	539	298.00	178	443.00	33904
128.00	8162	211.00	1918	301.00	303	444.00	3228
129.00	37760	212.00	121	302.00	262	445.00	54
130.00	3335	213.00	93	303.00	1602	466.00	54

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 618615
62 4,4'-DDD, Area = 5970
56 4,4'-DDE, Area = 911

%Breakdown: 1.10%, Max Limit: 20.00%
Passed

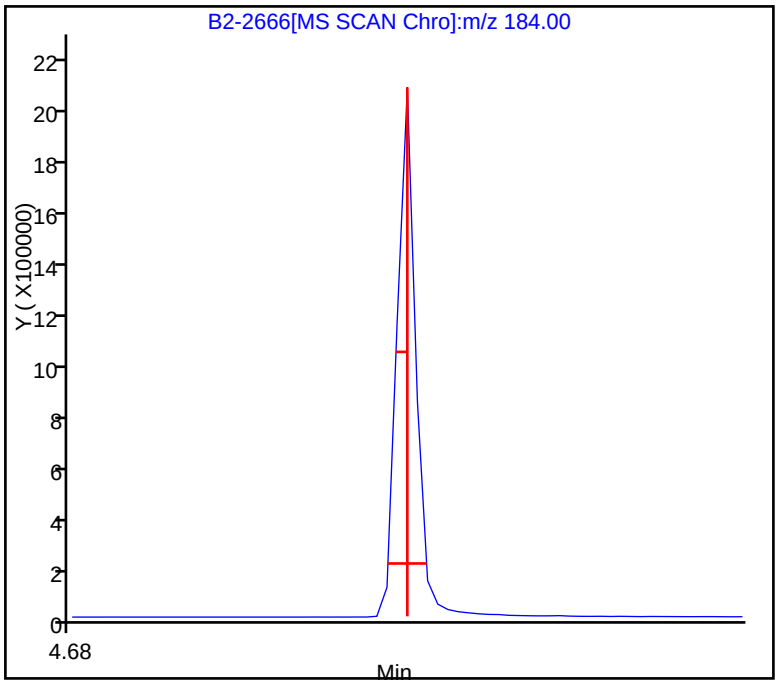
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

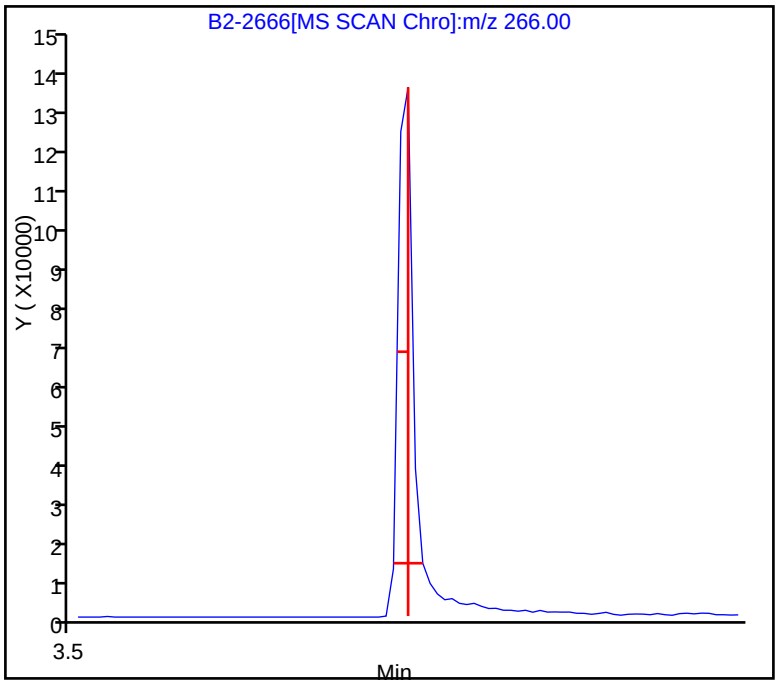
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197087	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	22-Oct-2013 13:21:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	13
Lims Batch ID:	197309	Lims Sample ID:	14
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	23-Oct-2013 06:54:39	Calib Date:	23-Oct-2013 00:24:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2691.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK007		
First Level Reviewer: kiekeld		Date:	22-Oct-2013 13:30:27

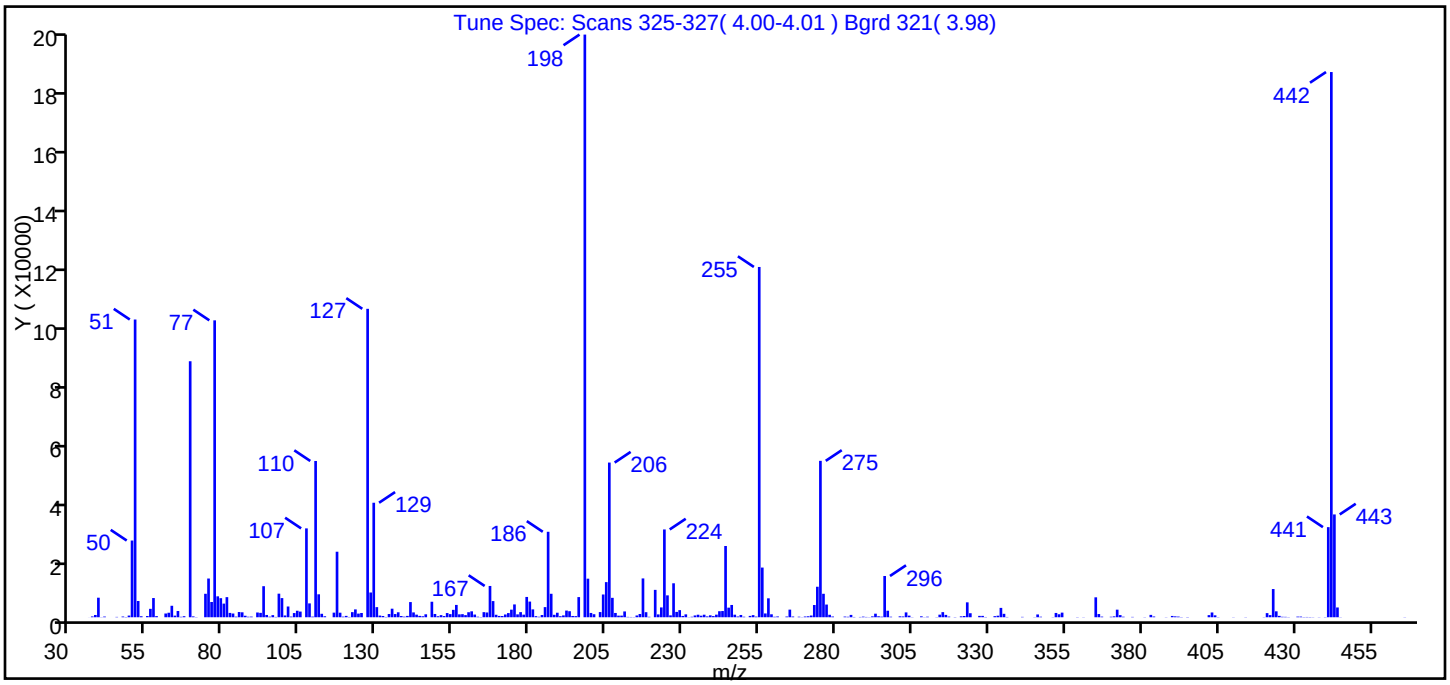
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.770	3.770	0.0	93	125326	0	
30 DFTPP								
48 Benzidine_T	184	4.874	4.874	0.0	99	1549529	0	
56 4,4'-DDE	246	4.980	4.980	0.0	10	911	0	
62 4,4'-DDD	235	5.274	5.274	0.0	71	5970	0	
70 4,4'-DDT	235	5.503	5.503	0.0	99	618615	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D		
Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	51.10
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	43.94
70	Less than 2.00% of mass 69	0.15 (0.33)
127	40.00 - 60.00% of mass 198	52.94
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.62
275	10.00 - 30.00% of mass 198	26.84
365	Greater than 1.00% of mass 198	3.42
441	Present, but less than mass 443%	15.46 (87.64)
442	Greater than 40.00% of mass 198	93.57
443	17.00 - 23.00% of mass 442	17.65 (18.86)

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	20	131.00	554	214.00	67	304.00	535
37.00	270	132.00	418	215.00	584	305.00	61
38.00	749	133.00	95	216.00	1072	308.00	306
39.00	6446	134.00	1071	217.00	12805	309.00	53
40.00	52	135.00	2824	218.00	1668	310.00	183
41.00	230	136.00	1057	219.00	153	313.00	63
45.00	118	137.00	1636	221.00	9030	314.00	855
47.00	242	138.00	403	222.00	938	315.00	1686
48.00	84	139.00	197	223.00	3241	316.00	781
49.00	557	140.00	447	224.00	28952	317.00	225
50.00	25296	141.00	5007	225.00	7220	319.00	74
51.00	98176	142.00	1599	226.00	622	321.00	299
52.00	5358	143.00	859	227.00	11202	322.00	406
53.00	330	144.00	454	228.00	1767	323.00	4918
55.00	399	145.00	331	229.00	2349	324.00	1330
56.00	2777	146.00	975	230.00	432	327.00	455
57.00	6335	148.00	5116	231.00	956	328.00	456
58.00	373	149.00	1082	232.00	52	329.00	93
61.00	1235	150.00	339	233.00	169	332.00	364
62.00	1487	151.00	699	234.00	594	333.00	510
63.00	3786	152.00	393	235.00	835	334.00	3089
64.00	532	153.00	1387	236.00	511	335.00	1133
65.00	2059	154.00	1032	237.00	838	336.00	99
66.00	148	155.00	2443	238.00	277	341.00	126
67.00	346	156.00	4066	239.00	638	345.00	57
69.00	84416	157.00	960	240.00	383	346.00	924
70.00	281	158.00	1015	241.00	856	347.00	178
71.00	66	159.00	701	242.00	1991	351.00	58
74.00	7740	160.00	1653	243.00	2052	352.00	1419
75.00	12771	161.00	1959	244.00	23496	353.00	983
76.00	5034	162.00	887	245.00	3167	354.00	1526
77.00	97904	163.00	182	246.00	4053	359.00	68
78.00	6899	164.00	79	247.00	844	361.00	52

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
79.00	6288	165.00	1681	248.00	250	365.00	6572
80.00	4500	166.00	1572	249.00	751	366.00	1057
81.00	6631	167.00	10318	250.00	172	367.00	213
82.00	1431	168.00	5333	251.00	11	370.00	170
83.00	1232	169.00	820	252.00	448	371.00	294
84.00	200	170.00	436	253.00	698	372.00	2503
85.00	1722	171.00	405	254.00	212	373.00	710
86.00	1631	172.00	915	255.00	115504	374.00	176
87.00	498	173.00	1375	256.00	16384	377.00	119
88.00	174	174.00	2505	257.00	1254	381.00	60
89.00	217	175.00	4231	258.00	6248	383.00	783
91.00	1568	176.00	948	259.00	977	384.00	248
92.00	1449	177.00	1690	260.00	161	388.00	53
93.00	10243	178.00	856	261.00	266	390.00	432
94.00	757	179.00	6697	264.00	243	391.00	292
95.00	194	180.00	5168	265.00	2517	392.00	223
96.00	694	181.00	2595	266.00	242	393.00	76
97.00	109	182.00	361	268.00	184	395.00	84
98.00	7778	183.00	162	269.00	54	402.00	697
99.00	6315	184.00	732	270.00	246	403.00	1576
100.00	588	185.00	3341	271.00	320	404.00	632
101.00	3548	186.00	28184	272.00	568	405.00	71
102.00	220	187.00	7740	273.00	4035	410.00	51
103.00	1385	188.00	809	274.00	10060	414.00	60
104.00	2143	189.00	1493	275.00	51576	420.00	59
105.00	1874	190.00	341	276.00	7740	421.00	1363
107.00	29304	191.00	608	277.00	4187	422.00	705
108.00	4571	192.00	2203	278.00	818	423.00	9303
109.00	212	193.00	1992	279.00	246	424.00	1958
110.00	51528	194.00	423	283.00	225	425.00	456
111.00	7569	195.00	367	284.00	158	426.00	157
112.00	1142	196.00	6648	285.00	775	427.00	133
113.00	329	198.00	192128	286.00	98	428.00	65
116.00	1518	199.00	12723	288.00	100	431.00	210

Report Date: 23-Oct-2013 06:54:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 22-Oct-2013 13:21:30
Spectrum: Tune Spec: Scans 325-327(4.00-4.01) Bgrd 321(3.98)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 320

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	21608	200.00	1416	289.00	206	432.00	219
118.00	1500	201.00	999	290.00	103	433.00	77
119.00	201	203.00	1709	291.00	58	434.00	96
120.00	455	204.00	7508	292.00	293	435.00	81
121.00	105	205.00	11587	293.00	1176	436.00	55
122.00	1685	206.00	51008	294.00	324	438.00	54
123.00	2592	207.00	6404	295.00	191	440.00	74
124.00	1205	208.00	1418	296.00	13607	441.00	29712
125.00	1406	209.00	531	297.00	2154	442.00	179776
127.00	101704	210.00	539	298.00	178	443.00	33904
128.00	8162	211.00	1918	301.00	303	444.00	3228
129.00	37760	212.00	121	302.00	262	445.00	54
130.00	3335	213.00	93	303.00	1602	466.00	54

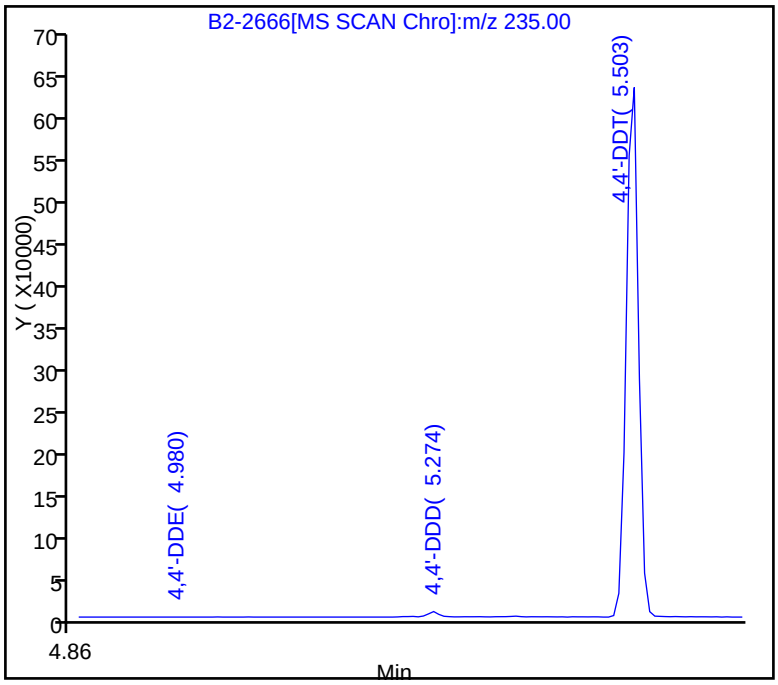
Breakdown Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 618615
62 4,4'-DDD, Area = 5970
56 4,4'-DDE, Area = 911

%Breakdown: 1.10%, Max Limit: 20.00%
Passed

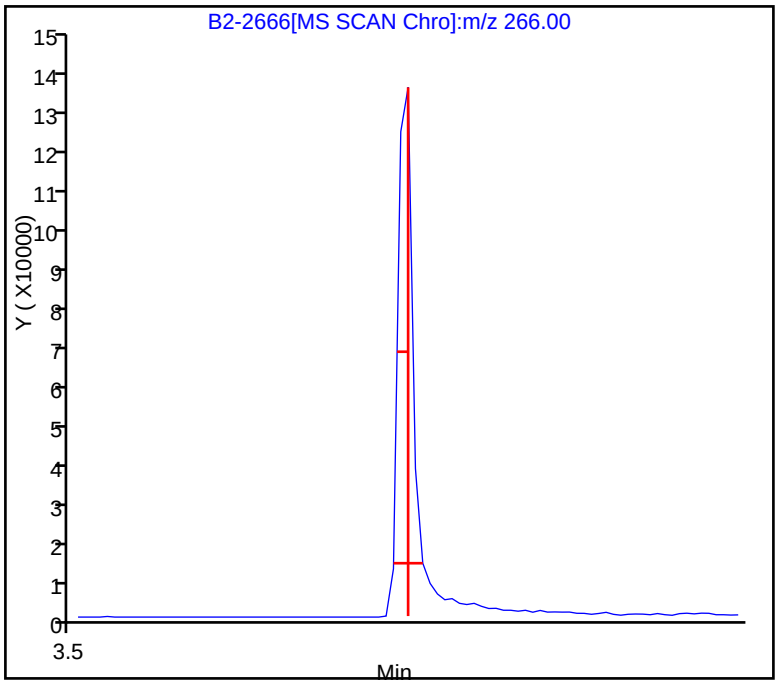
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.0, Max. Tailing < 5.00
Passed

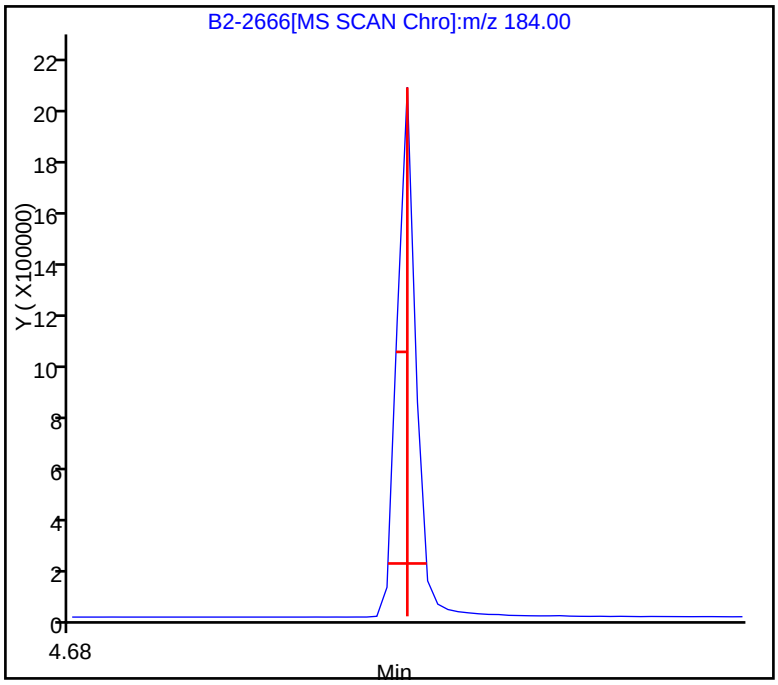
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131022-16573.b\B2-2666.D

Injection Date:	22-Oct-2013 13:21:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	197309	Lims Sample ID:	14
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D		
Lims ID:	DFTPP	Client ID:	
Inject. Date:	31-Oct-2013 11:13:30	Dil. Factor:	1.0000
Sample Type:	DFTPP		
Sample ID:	DFTPP		
Misc. Info.:			
Operator:	KIEKELD	Instrument ID:	SMS_B2
Injection Vol:	0.5 ul	ALS Bottle#:	1
Lims Batch ID:	198682	Lims Sample ID:	2
Detector:	MS SCAN		
Method:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m		
Method Label:	8270C / 625		
Last Update:	01-Nov-2013 09:55:03	Calib Date:	31-Oct-2013 13:45:30
Quant Method:	Internal Standard	Quant By:	Initial Calibration
Last ICal File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D		
Limit Group:	MSSV - 8270C_625		
Integrator:	RTE	ID Type:	Deconvolution ID
Column Type:	VF-5ms	Column Dia:	0.50 mm
Process Host:	XAWRK002		
First Level Reviewer: kiekeld		Date:	31-Oct-2013 11:21:19

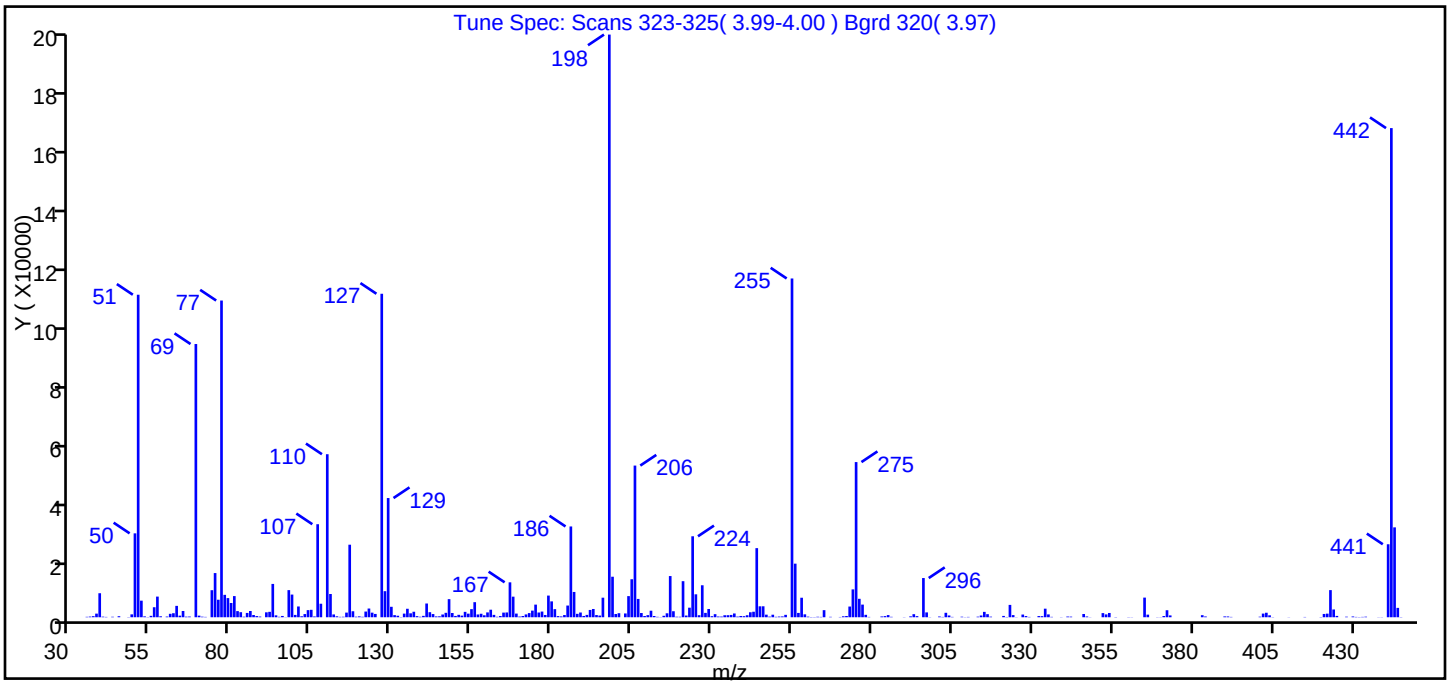
Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
28 Pentachlorophenol_T	266	3.757	3.757	0.0	89	178342	0	
30 DFTPP								
48 Benzidine_T	184	4.868	4.868	0.0	99	1447772	0	
56 4,4'-DDE	246	4.973	4.973	0.0	17	937	0	
62 4,4'-DDD	235	5.261	5.261	0.0	73	5006	0	
70 4,4'-DDT	235	5.490	5.490	0.0	98	615422	0	

MS Tune Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D		
Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm
Tune Method:	DFTPP Method 8270		

30 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	55.35
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Present	46.89
70	Less than 2.00% of mass 69	0.28 (0.59)
127	40.00 - 60.00% of mass 198	55.52
197	Less than 1.00% of mass 198	0.00
199	5.00 - 9.00% of mass 198	6.96
275	10.00 - 30.00% of mass 198	26.63
365	Greater than 1.00% of mass 198	3.37
441	Present, but less than mass 443%	12.53 (81.21)
442	Greater than 40.00% of mass 198	83.95
443	17.00 - 23.00% of mass 442	15.43 (18.38)

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 31-Oct-2013 11:13:30
Spectrum: Tune Spec: Scans 323-325(3.99-4.00) Bgrd 320(3.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	146	124.00	1552	207.00	6194	298.00	61
36.00	229	125.00	1121	208.00	1429	301.00	258
37.00	366	127.00	109368	209.00	418	302.00	112
38.00	1225	128.00	8816	210.00	715	303.00	1507
39.00	8122	129.00	40304	211.00	2213	304.00	598
40.00	207	130.00	3535	212.00	422	305.00	124
41.00	117	131.00	719	213.00	145	308.00	187
43.00	166	132.00	509	214.00	59	309.00	57
45.00	351	133.00	75	215.00	494	310.00	120
48.00	78	134.00	1230	216.00	1341	313.00	199
49.00	980	135.00	2869	217.00	13929	314.00	593
50.00	28368	136.00	1332	218.00	2037	315.00	1822
51.00	109040	137.00	1862	219.00	182	316.00	1041
52.00	5609	138.00	375	220.00	165	317.00	203
53.00	296	139.00	164	221.00	12196	321.00	449
54.00	70	140.00	473	222.00	577	322.00	97
55.00	478	141.00	4650	223.00	3234	323.00	4179
56.00	3388	142.00	1711	224.00	27376	324.00	725
57.00	6985	143.00	1080	225.00	7758	325.00	53
58.00	330	144.00	281	226.00	690	327.00	915
60.00	238	145.00	326	227.00	10815	328.00	402
61.00	1164	146.00	930	228.00	1478	329.00	116
62.00	1362	147.00	1502	229.00	2791	332.00	402
63.00	3848	148.00	6123	230.00	355	333.00	365
64.00	541	149.00	1439	231.00	1043	334.00	2899
65.00	2116	150.00	446	232.00	253	335.00	962
66.00	201	151.00	822	233.00	235	336.00	135
67.00	245	152.00	554	234.00	677	339.00	56
69.00	92376	153.00	1827	235.00	691	341.00	239
70.00	543	154.00	1215	236.00	781	342.00	212
71.00	194	155.00	2746	237.00	1279	346.00	1101
72.00	123	156.00	5099	238.00	220	347.00	261
74.00	9147	157.00	939	239.00	429	348.00	50

Report Date: 01-Nov-2013 09:55:03 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 31-Oct-2013 11:13:30
Spectrum: Tune Spec: Scans 323-325(3.99-4.00) Bgrd 320(3.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	14939	158.00	1182	240.00	368	352.00	1403
76.00	5922	159.00	662	241.00	680	353.00	964
77.00	107080	160.00	1637	242.00	1685	354.00	1448
78.00	7579	161.00	2550	243.00	1864	356.00	83
79.00	6480	162.00	805	244.00	23368	360.00	67
80.00	4820	163.00	164	245.00	3701	361.00	52
81.00	7155	164.00	415	246.00	3708	365.00	6643
82.00	2077	165.00	1570	247.00	873	366.00	881
83.00	1711	166.00	1620	248.00	222	369.00	57
84.00	190	167.00	11808	249.00	860	370.00	54
85.00	1459	168.00	6963	250.00	149	371.00	410
86.00	2117	169.00	1241	251.00	238	372.00	2374
87.00	759	170.00	240	252.00	281	373.00	620
88.00	399	171.00	422	253.00	817	383.00	701
89.00	236	172.00	959	255.00	114536	384.00	260
91.00	1668	173.00	1408	256.00	18120	390.00	281
92.00	1833	174.00	2241	257.00	1464	391.00	269
93.00	11269	175.00	4272	258.00	6601	392.00	121
94.00	646	176.00	1603	259.00	989	401.00	193
95.00	154	177.00	1926	260.00	214	402.00	1240
96.00	440	178.00	768	261.00	87	403.00	1528
97.00	51	179.00	7329	262.00	77	404.00	658
98.00	9172	180.00	5370	263.00	164	405.00	68
99.00	7670	181.00	2738	264.00	121	410.00	50
100.00	793	182.00	402	265.00	2396	415.00	102
101.00	3645	183.00	279	267.00	147	420.00	84
102.00	333	184.00	750	268.00	1	421.00	1116
103.00	1079	185.00	3958	270.00	97	422.00	1221
104.00	2410	186.00	30696	271.00	324	423.00	9176
105.00	2520	187.00	8553	272.00	422	424.00	2630
106.00	269	188.00	1157	273.00	3622	425.00	457
107.00	31456	189.00	1603	274.00	9423	428.00	195
108.00	4571	190.00	439	275.00	52464	430.00	266
110.00	55120	191.00	798	276.00	6236	431.00	115

Report Date: 01-Nov-2013 09:55:03 Chrom Revision: 2.0 14-Jul-2013 20:56:00
Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D\SMSB2_8270C.rslt\spectra.d
Injection Date: 31-Oct-2013 11:13:30
Spectrum: Tune Spec: Scans 323-325(3.99-4.00) Bgrd 320(3.97)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 317

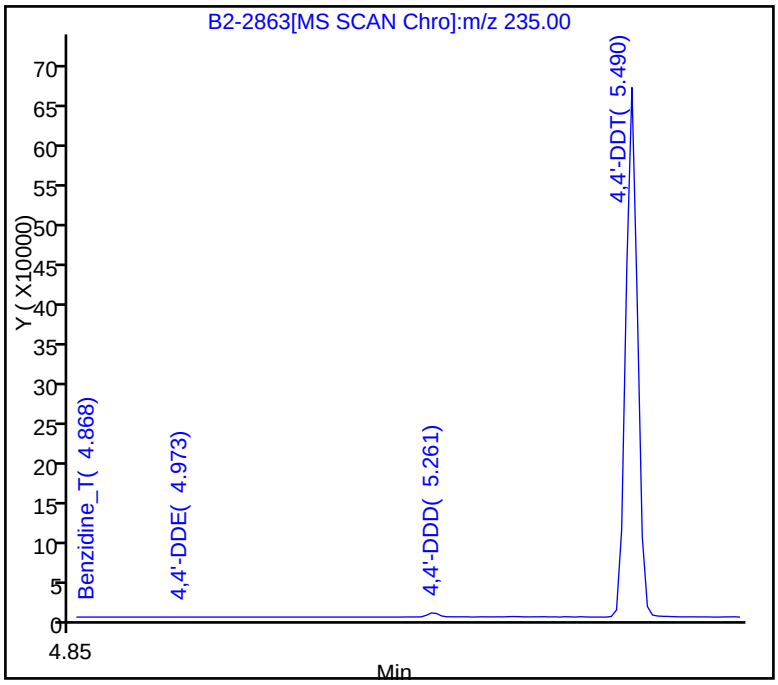
m/z	Y	m/z	Y	m/z	Y	m/z	Y
111.00	7860	192.00	2468	277.00	4277	432.00	76
112.00	952	193.00	2794	278.00	823	433.00	125
113.00	324	194.00	748	279.00	117	434.00	195
114.00	142	195.00	568	283.00	271	438.00	52
115.00	174	196.00	6615	284.00	389	439.00	56
116.00	1573	198.00	196992	285.00	732	441.00	24680
117.00	24528	199.00	13702	286.00	147	442.00	165376
118.00	2030	200.00	1095	290.00	57	443.00	30392
119.00	192	201.00	1371	292.00	304	444.00	3170
120.00	302	203.00	1285	293.00	1039	445.00	76
121.00	155	204.00	7148	294.00	379		
122.00	1927	205.00	12852	296.00	13258		
123.00	2951	206.00	51280	297.00	1641		

Breakdown Report

TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D		
Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

70 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

70 4,4'-DDT, Area = 615422
62 4,4'-DDD, Area = 5006
56 4,4'-DDE, Area = 937

%Breakdown: 0.96%, Max Limit: 20.00%
Passed

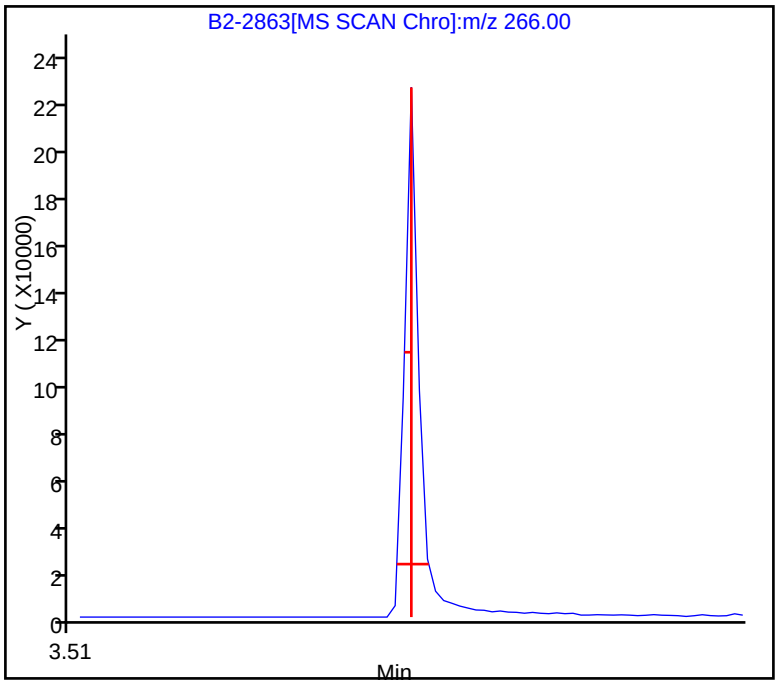
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D

Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

28 Pentachlorophenol_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.2, Max. Tailing < 5.00
Passed

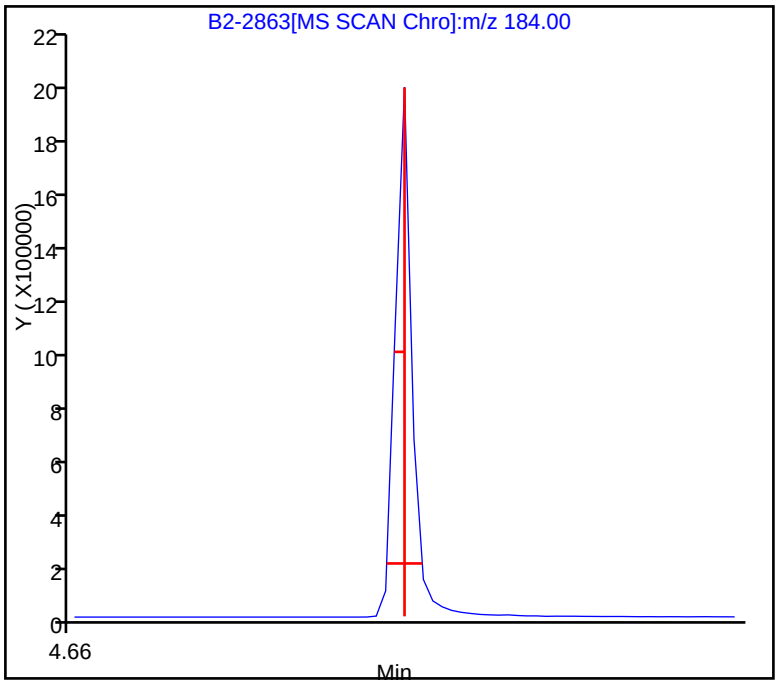
Peak Tailing Report

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2863.D

Injection Date:	31-Oct-2013 11:13:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	2
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

48 Benzidine_T, Detector: MS SCAN



Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.0, Max. Tailing < 3.00
Passed

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198371/1-A

Matrix: Solid | Lab File ID: B2-2868.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.8(g) | Date Analyzed: 10/31/2013 13:15

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

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

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

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	150	U	300	150	46
95-94-3	1,2,4,5-Tetrachlorobenzene	61	U	300	61	45
120-82-1	1,2,4-Trichlorobenzene	30	U	300	30	26
95-50-1	1,2-Dichlorobenzene	30	U	300	30	20
122-66-7	1,2-Diphenylhydrazine	30	U	300	30	20
541-73-1	1,3-Dichlorobenzene	30	U	300	30	11
106-46-7	1,4-Dichlorobenzene	30	U	300	30	12
108-60-1	2,2'-oxybis[1-chloropropane]	30	U	300	30	21
58-90-2	2,3,4,6-Tetrachlorophenol	150	U	1500	150	130
95-95-4	2,4,5-Trichlorophenol	120	U	300	120	9.1
88-06-2	2,4,6-Trichlorophenol	60	U	300	60	9.1
120-83-2	2,4-Dichlorophenol	60	U	300	60	9.1
105-67-9	2,4-Dimethylphenol	120	U	300	120	60
51-28-5	2,4-Dinitrophenol	610	U	1500	610	300
121-14-2	2,4-Dinitrotoluene	120	U	300	120	60
87-65-0	2,6-Dichlorophenol	120	U	300	120	63
606-20-2	2,6-Dinitrotoluene	60	U	300	60	26
91-58-7	2-Chloronaphthalene	30	U	300	30	9.1
95-57-8	2-Chlorophenol	30	U	300	30	19
91-57-6	2-Methylnaphthalene	30	U	300	30	17
95-48-7	2-Methylphenol	30	U	300	30	12
88-74-4	2-Nitroaniline	60	U	1500	60	46
88-75-5	2-Nitrophenol	60	U	300	60	9.1
15831-10-4	3 & 4 Methylphenol	60	U	300	60	30
91-94-1	3,3'-Dichlorobenzidine	300	U	1500	300	82
99-09-2	3-Nitroaniline	120	U	1500	120	67
534-52-1	4,6-Dinitro-2-methylphenol	600	U	1500	600	300
101-55-3	4-Bromophenyl phenyl ether	30	U	300	30	17
59-50-7	4-Chloro-3-methylphenol	120	U	300	120	60
106-47-8	4-Chloroaniline	120	U	300	120	75
7005-72-3	4-Chlorophenyl phenyl ether	60	U	300	60	19
100-01-6	4-Nitroaniline	120	U	1500	120	66
100-02-7	4-Nitrophenol	300	U	1500	300	89
83-32-9	Acenaphthene	16	U	300	16	9.4

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198371/1-A

Matrix: Solid | Lab File ID: B2-2868.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.8(g) | Date Analyzed: 10/31/2013 13:15

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

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

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

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	30	U	300	30	16
98-86-2	Acetophenone	30	U	300	30	18
120-12-7	Anthracene	30	U	300	30	16
1912-24-9	Atrazine	120	U	300	120	34
100-52-7	Benzaldehyde	61	U	300	61	36
92-87-5	Benzidine	3600	U	3700	3600	910
56-55-3	Benzo[a]anthracene	30	U	300	30	18
50-32-8	Benzo[a]pyrene	30	U	300	30	18
205-99-2	Benzo[b]fluoranthene	30	U	300	30	24
191-24-2	Benzo[g,h,i]perylene	30	U	300	30	15
207-08-9	Benzo[k]fluoranthene	60	U	300	60	37
65-85-0	Benzoic acid	600	U	1500	600	300
100-51-6	Benzyl alcohol	30	U	300	30	9.1
111-91-1	Bis(2-chloroethoxy)methane	60	U	300	60	21
111-44-4	Bis(2-chloroethyl)ether	30	U	300	30	15
117-81-7	Bis(2-ethylhexyl) phthalate	60	U	300	60	42
85-68-7	Butyl benzyl phthalate	60	U	300	60	39
105-60-2	Caprolactam	300	U	1500	300	97
86-74-8	Carbazole	61	U	300	61	33
218-01-9	Chrysene	30	U	300	30	25
53-70-3	Dibenz(a,h)anthracene	30	U	300	30	17
132-64-9	Dibenzofuran	30	U	300	30	18
84-66-2	Diethyl phthalate	30	U	600	30	24
131-11-3	Dimethyl phthalate	31.7	J	300	30	21
84-74-2	Di-n-butyl phthalate	30	U	300	30	27
117-84-0	Di-n-octyl phthalate	60	U	300	60	13
206-44-0	Fluoranthene	60	U	300	60	33
86-73-7	Fluorene	30	U	300	30	16
118-74-1	Hexachlorobenzene	60	U	300	60	27
87-68-3	Hexachlorobutadiene	60	U	300	60	9.1
77-47-4	Hexachlorocyclopentadiene	60	U	1600	60	46
67-72-1	Hexachloroethane	30	U	300	30	19
193-39-5	Indeno[1,2,3-cd]pyrene	30	U	300	30	20
78-59-1	Isophorone	30	U	300	30	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198371/1-A

Matrix: Solid | Lab File ID: B2-2868.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.8(g) | Date Analyzed: 10/31/2013 13:15

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

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

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

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	60	U	300	60	28
98-95-3	Nitrobenzene	30	U	300	30	20
62-75-9	N-Nitrosodimethylamine	60	U	480	60	34
621-64-7	N-Nitrosodi-n-propylamine	60	U	300	60	28
86-30-6	N-Nitrosodiphenylamine	30	U	300	30	19
930-55-2	N-Nitrosopyrrolidine	120	U	300	120	59
87-86-5	Pentachlorophenol	610	U	1500	610	300
85-01-8	Phenanthrene	30	U	300	30	16
108-95-2	Phenol	30	U	300	30	16
129-00-0	Pyrene	30	U	370	30	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	64		35-125
321-60-8	2-Fluorobiphenyl	70		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	69		35-100
4165-62-2	Phenol-d5 (Surr)	72		40-100
1718-51-0	Terphenyl-d14 (Surr)	80		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2868.D
Lims ID: MB 280-198371/1-A Client ID:
Inject. Date: 31-Oct-2013 13:15:30 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB280-198371_1-A
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 6
Lims Batch ID: 198682 Lims Sample ID: 31
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 01-Nov-2013 09:35:33

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.608	4.609	-0.001	92	195942	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	780979	40.0	
* 3 Acenaphthene-d10	164	7.622	7.623	-0.001	99	468547	40.0	
* 4 Phenanthrene-d10	188	9.132	9.133	-0.001	99	833715	40.0	
* 5 Chrysene-d12	240	13.386	13.387	-0.001	65	896454	40.0	
* 6 Perylene-d12	264	17.499	17.506	-0.007	98	876243	40.0	
$ 7 2-Fluorophenol	112	3.409	3.404	0.005	98	498699	72.4	
$ 8 Phenol-d5	99	4.267	4.261	0.006	99	645461	72.4	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	97	521242	68.5	
$ 10 2,4,6-Trichlorophenol-d2	198		6.858					
$ 11 2-Fluorobiphenyl	172	6.923	6.923	0.0	82	1082507	70.1	
$ 12 2,4,6-Tribromophenol	330	8.427	8.433	-0.006	94	141758	64.3	
$ 13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1424952	80.0	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		1.693					9
18 2-Ethoxyethanol	59		1.899					9
19 1,4-Dioxane	88		1.899					9
20 N-Nitrosodimethylamine	74		2.176					
21 Pyridine	79		2.217					
22 Dimethylformamide	73		2.533					
23 2-Picoline	93		2.862					
24 N-Nitrosomethylethylamine	88		2.962					
25 Acrylamide	71		3.214					9
26 Methyl methanesulfonate	80		3.238					
27 N-Nitrosodiethylamine	102		3.596					
28 Pentachlorophenol_T	266		3.757					
29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94		4.279					
33 Phenylmercaptan	110		4.261					
34 Aniline	93		4.302					
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93		4.338					
37 Pentachloroethane	117		4.348					
38 n-Decane	43		4.396					9
39 2-Chlorophenol	128		4.420					
40 1,3-Dichlorobenzene	146		4.555					
41 Methyl styrene	118		4.702					9
42 1,4-Dichlorobenzene	146		4.626					
43 Benzyl alcohol	108		4.737					
44 1,2-Dichlorobenzene	146		4.778					
45 2-Methylphenol	108		4.843					
46 2,2'-oxybis[1-chloropropane]	45		4.843					9
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108		4.990					
50 3-Methylphenol	108		4.990					
51 4-Methylphenol	108		4.990					
52 N-Nitrosodi-n-propylamine	70		4.972					
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105		4.990					
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117		5.102					
59 Nitrobenzene	77		5.172					9
60 Triethyl phosphate	99		5.254					9
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82		5.384					9
64 2-Nitrophenol	139		5.478					
65 2,4-Dimethylphenol	107		5.507					
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105		5.619					
69 Bis(2-chloroethoxy)methane	93		5.583					
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					9
74 2,4-Dichlorophenol	162		5.724					
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180		5.795					
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					9
79 Naphthalene	128		5.883					9
80 4-Chloroaniline	127		5.936					
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225		5.977					
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					9
86 Caprolactam	55		6.277					
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107		6.418					
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142		6.565					9
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142		6.670					9
97 Hexachlorocyclopentadiene	237		6.711					
98 1,2,4,5-Tetrachlorobenzene	216		6.735					
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196		6.852					
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196		6.911					
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154		7.029					
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					9
106 2-Chloronaphthalene	162		7.064					9
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65		7.176					
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	94	15465	1.04	
112 1,3-Dinitrobenzene	168		7.381					
113 2,6-Dinitrotoluene	165		7.405					
114 Acenaphthylene	152		7.487					
115 3-Nitroaniline	138		7.593					
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					9
117 Acenaphthene	153		7.657					
118 2,4-Dinitrophenol	184		7.693					
119 4-Nitrophenol	109		7.787					9
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165		7.810					
123 Dibenzofuran	168		7.834					
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232		7.957					
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57		7.986					9
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					9
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149		8.022					
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204		8.157					9

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166		8.180					
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138		8.216					
139 4,6-Dinitro-2-methylphenol	198		8.227					
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169		8.280					9
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77		8.321					9
144 Azobenzene	77		8.321					9
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330		8.433					
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248		8.656					
157 Hexachlorobenzene	284		8.733					
158 Dimethoate	87		8.755					
159 Atrazine	200		8.797					
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					9
161 n-Octadecane	85		8.909					
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266		8.944					
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					9
167 Dinoseb	211		9.090					
168 Phenanthrene	178		9.161					
169 Anthracene	178		9.208					
170 Carbazole	167		9.379					
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149		9.673					9
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202		10.577					9
180 Diphenylsulfone	125		10.196					
181 Benzidine	184		10.777					
182 Pyrene	202		10.936					
183 Aramite Peak 1	185		11.052					9
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					9
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149		12.052					
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					9
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149		13.380					
196 4,4'-Methylene bis(2-chloroanili	231		13.344					9
197 3,3'-Dichlorobenzidine	252		13.345					
198 Benzo[a]anthracene	228		13.368					9
199 Chrysene	228		13.462					9
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149		15.243					
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252		16.353					9
204 Benzo[k]fluoranthene	252		16.429					9
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					9
207 Benzo[a]pyrene	252		17.328					9
208 Perylene	252		17.610					9
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278		20.771					
214 Indeno[1,2,3-cd]pyrene	276		20.689					
215 Benzo[g,h,i]perylene	276		21.459					
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108		15.496					7
S 218 Methyl Phenols,Total	108		15.496					7
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					1
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					1
T 225 2,6-Dimethylphenol	1		0.000					1
T 226 Octadecane (TIC)	1		0.000					1
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					1
T 228 Pentachlorodibenzofurans TIC	1		0.000					1
T 229 Hexachlorodibenzofurans TIC	1		0.000					1
T 230 Tetrachlorodibenzofurans TIC	1		0.000					1

QC Flag Legend

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

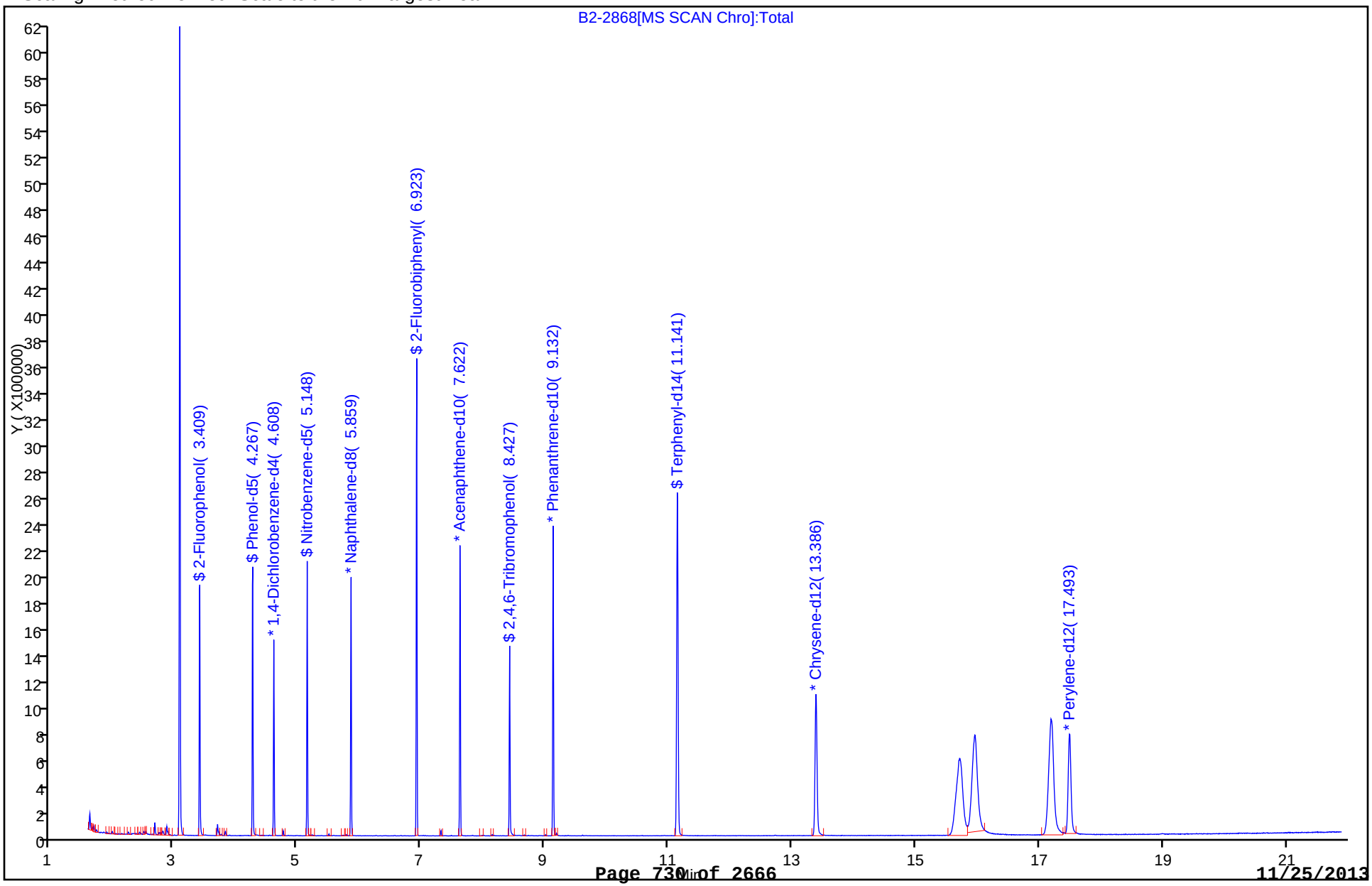
Report Date: 01-Nov-2013 09:55:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2868.D

Injection Date:	31-Oct-2013 13:15:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



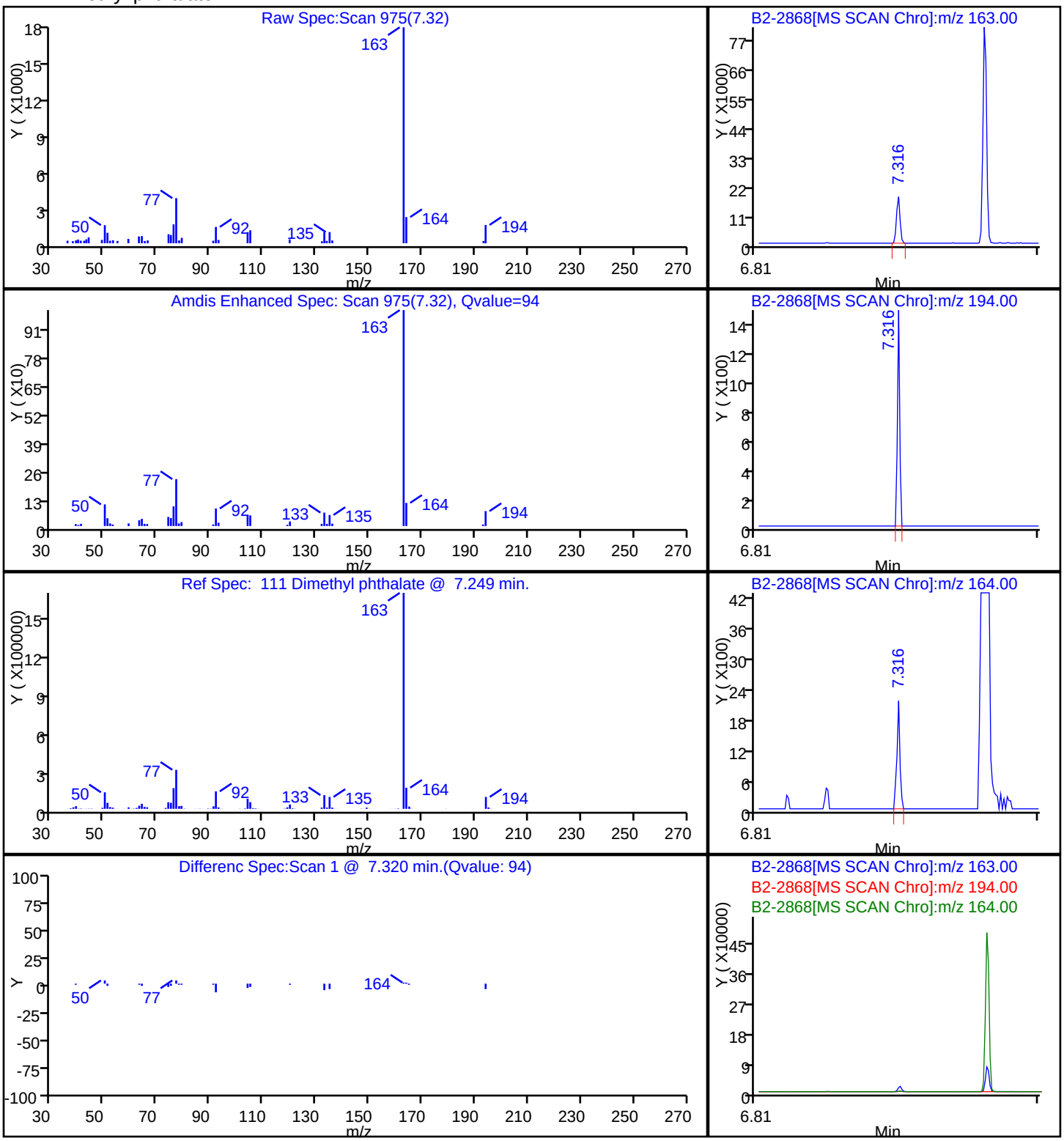
Report Date: 01-Nov-2013 09:55:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2868.D

Injection Date:	31-Oct-2013 13:15:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	31
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

111 Dimethyl phthalate



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198371/2-A

Matrix: Solid | Lab File ID: B2-2870.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.0(g) | Date Analyzed: 10/31/2013 14:10

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

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

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

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	1790		310	160	47
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		310	63	46
120-82-1	1,2,4-Trichlorobenzene	1730		310	31	26
95-50-1	1,2-Dichlorobenzene	1720		310	31	21
122-66-7	1,2-Diphenylhydrazine	1940		310	31	21
541-73-1	1,3-Dichlorobenzene	1660		310	31	11
106-46-7	1,4-Dichlorobenzene	1670		310	31	13
108-60-1	2,2'-oxybis[1-chloropropane]	1660		310	31	22
58-90-2	2,3,4,6-Tetrachlorophenol	2040		1500	160	130
95-95-4	2,4,5-Trichlorophenol	1980		310	120	9.4
88-06-2	2,4,6-Trichlorophenol	1920		310	62	9.4
120-83-2	2,4-Dichlorophenol	1870		310	62	9.4
105-67-9	2,4-Dimethylphenol	1730		310	120	62
51-28-5	2,4-Dinitrophenol	3400		1500	630	310
121-14-2	2,4-Dinitrotoluene	2090		310	120	62
606-20-2	2,6-Dinitrotoluene	1980		310	62	26
91-58-7	2-Chloronaphthalene	1780		310	31	9.4
95-57-8	2-Chlorophenol	1820		310	31	20
91-57-6	2-Methylnaphthalene	1820		310	31	18
95-48-7	2-Methylphenol	1870		310	31	12
88-74-4	2-Nitroaniline	1870		1500	62	47
88-75-5	2-Nitrophenol	1820		310	62	9.4
15831-10-4	3 & 4 Methylphenol	1880		310	62	31
91-94-1	3,3'-Dichlorobenzidine	1240	J	1500	310	84
99-09-2	3-Nitroaniline	1630		1500	120	68
534-52-1	4,6-Dinitro-2-methylphenol	3700		1500	620	310
101-55-3	4-Bromophenyl phenyl ether	1890		310	31	18
59-50-7	4-Chloro-3-methylphenol	1980		310	120	62
106-47-8	4-Chloroaniline	1130		310	120	77
7005-72-3	4-Chlorophenyl phenyl ether	1920		310	62	20
100-01-6	4-Nitroaniline	1920		1500	120	68
100-02-7	4-Nitrophenol	4320		1500	310	91
83-32-9	Acenaphthene	1840		310	16	9.7
208-96-8	Acenaphthylene	1780		310	31	16

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198371/2-A

Matrix: Solid | Lab File ID: B2-2870.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.0(g) | Date Analyzed: 10/31/2013 14:10

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

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

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

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-86-2	Acetophenone	1500		310	31	19
120-12-7	Anthracene	1880		310	31	16
1912-24-9	Atrazine	1950		310	120	35
92-87-5	Benzidine	3700	U	3800	3700	930
56-55-3	Benzo[a]anthracene	1920		310	31	19
50-32-8	Benzo[a]pyrene	1940		310	31	19
205-99-2	Benzo[b]fluoranthene	1980		310	31	25
191-24-2	Benzo[g,h,i]perylene	1970		310	31	15
207-08-9	Benzo[k]fluoranthene	2140		310	62	38
65-85-0	Benzoic acid	1960		1500	620	310
100-51-6	Benzyl alcohol	1820		310	31	9.4
111-91-1	Bis(2-chloroethoxy)methane	1730		310	62	22
111-44-4	Bis(2-chloroethyl)ether	1750		310	31	16
117-81-7	Bis(2-ethylhexyl) phthalate	1880		310	62	43
85-68-7	Butyl benzyl phthalate	1910		310	62	40
105-60-2	Caprolactam	1780		1500	310	99
86-74-8	Carbazole	1950		310	63	34
218-01-9	Chrysene	1930		310	31	25
53-70-3	Dibenz(a,h)anthracene	1960		310	31	18
132-64-9	Dibenzofuran	1880		310	31	19
84-66-2	Diethyl phthalate	2010		620	31	24
131-11-3	Dimethyl phthalate	1990		310	31	22
84-74-2	Di-n-butyl phthalate	1970		310	31	27
117-84-0	Di-n-octyl phthalate	1660		310	62	14
206-44-0	Fluoranthene	1960		310	62	34
86-73-7	Fluorene	1910		310	31	17
118-74-1	Hexachlorobenzene	1920		310	62	27
87-68-3	Hexachlorobutadiene	1740		310	62	9.4
77-47-4	Hexachlorocyclopentadiene	1530	J	1600	62	47
67-72-1	Hexachloroethane	1660		310	31	20
193-39-5	Indeno[1,2,3-cd]pyrene	1740	M	310	31	21
78-59-1	Isophorone	1650		310	31	16
91-20-3	Naphthalene	1790		310	62	29
98-95-3	Nitrobenzene	1760		310	31	21

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198371/2-A

Matrix: Solid | Lab File ID: B2-2870.D

Analysis Method: 8270D/DoD | Date Collected:

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 32.0(g) | Date Analyzed: 10/31/2013 14:10

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

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

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

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
62-75-9	N-Nitrosodimethylamine	1560		490	62	35
621-64-7	N-Nitrosodi-n-propylamine	1790		310	62	29
86-30-6	N-Nitrosodiphenylamine	1960		310	31	20
87-86-5	Pentachlorophenol	3530		1500	630	310
85-01-8	Phenanthrene	1950		310	31	16
108-95-2	Phenol	1940		310	31	17
129-00-0	Pyrene	1980		380	31	11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	85		35-125
321-60-8	2-Fluorobiphenyl	73		45-105
367-12-4	2-Fluorophenol (Surr)	76		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	71		35-100
4165-62-2	Phenol-d5 (Surr)	75		40-100
1718-51-0	Terphenyl-d14 (Surr)	82		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2870.D
Lims ID: LCS 280-198371/2-A Client ID:
Inject. Date: 31-Oct-2013 14:10:30 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS280-198371_2-A
Misc. Info.:
Operator: KIEKELD Instrument ID: SMS_B2
Injection Vol: 0.5 ul ALS Bottle#: 7
Lims Batch ID: 198682 Lims Sample ID: 32
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07 Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE ID Type: Deconvolution ID
Column Type: VF-5ms Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld Date: 31-Oct-2013 14:53:53

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.607	4.609	-0.002	92	191952	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	794252	40.0	
* 3 Acenaphthene-d10	164	7.627	7.623	0.004	100	488518	40.0	
* 4 Phenanthrene-d10	188	9.131	9.133	-0.002	99	861027	40.0	
* 5 Chrysene-d12	240	13.391	13.387	0.004	91	946486	40.0	
* 6 Perylene-d12	264	17.492	17.506	-0.014	98	837139	40.0	
$ 7 2-Fluorophenol	112	3.409	3.404	0.005	98	509318	75.5	
$ 8 Phenol-d5	99	4.261	4.261	0.0	99	659252	75.5	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	96	547130	70.7	
$ 11 2-Fluorobiphenyl	172	6.922	6.923	-0.001	99	1173231	72.9	
$ 12 2,4,6-Tribromophenol	330	8.432	8.433	-0.001	98	194570	84.7	
$ 13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1538759	81.8	
19 1,4-Dioxane	88	1.893	1.899	-0.006	94	83390	29.2	
20 N-Nitrosodimethylamine	74	2.169	2.176	-0.007	99	224545	50.1	
21 Pyridine	79	2.210	2.217	-0.007	98	277452	35.1	
32 Phenol	94	4.278	4.279	-0.001	92	558628	62.0	
34 Aniline	93	4.302	4.302	0.0	99	341896	30.6	
36 Bis(2-chloroethyl)ether	93	4.337	4.338	-0.001	45	381434	56.1	
38 n-Decane	43	4.396	4.396	0.0	95	296635	42.2	
39 2-Chlorophenol	128	4.419	4.420	-0.001	95	416215	58.2	
40 1,3-Dichlorobenzene	146	4.554	4.555	-0.001	98	405046	53.2	
42 1,4-Dichlorobenzene	146	4.625	4.626	-0.001	98	419608	53.5	
43 Benzyl alcohol	108	4.737	4.737	0.0	100	265136	58.1	
44 1,2-Dichlorobenzene	146	4.778	4.778	0.0	98	406429	55.0	
45 2-Methylphenol	108	4.842	4.843	-0.001	97	386778	59.7	
46 2,2'-oxybis[1-chloropropane]	45	4.842	4.843	-0.001	90	504116	53.0	
49 3 & 4 Methylphenol	108	4.989	4.990	-0.001	84	411450	60.2	
50 3-Methylphenol	108	4.989	4.990	-0.001	85	411450	60.2	
51 4-Methylphenol	108	4.989	4.990	-0.001	86	411450	60.2	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	98	286734	57.2	
54 Acetophenone	105	4.989	4.990	-0.001	92	455962	48.1	
58 Hexachloroethane	117	5.101	5.102	-0.001	96	150672	53.3	
59 Nitrobenzene	77	5.171	5.172	-0.001	99	432067	56.3	
63 Isophorone	82	5.383	5.384	-0.001	100	713637	52.9	
64 2-Nitrophenol	139	5.483	5.478	0.005	98	220750	58.2	
65 2,4-Dimethylphenol	107	5.506	5.507	-0.001	99	390357	55.3	
68 Benzoic acid	105	5.589	5.619	-0.031	97	258186	62.6	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	98	466368	55.5	
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	97	355152	59.9	
76 1,2,4-Trichlorobenzene	180	5.794	5.795	-0.001	96	363092	55.5	
79 Naphthalene	128	5.882	5.883	-0.001	100	1187827	57.4	
80 4-Chloroaniline	127	5.935	5.936	-0.001	100	341951	36.3	
83 Hexachlorobutadiene	225	5.976	5.977	-0.001	96	190256	55.6	
86 Caprolactam	55	6.270	6.277	-0.007	96	229326	56.8	
89 4-Chloro-3-methylphenol	107	6.417	6.418	-0.001	99	384475	63.4	
93 2-Methylnaphthalene	142	6.564	6.565	-0.001	98	828046	58.1	
96 1-Methylnaphthalene	142	6.670	6.670	0.0	99	788846	58.8	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	97	150981	48.8	
98 1,2,4,5-Tetrachlorobenzene	216	6.734	6.735	-0.001	96	363151	57.7	
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	81	257746	61.4	
102 2,4,5-Trichlorophenol	196	6.910	6.911	-0.001	98	287833	63.5	
104 1,1'-Biphenyl	154	7.028	7.029	-0.001	96	1026703	57.3	
106 2-Chloronaphthalene	162	7.063	7.064	-0.001	99	800970	56.8	
108 2-Nitroaniline	65	7.175	7.176	-0.001	97	290259	59.7	
111 Dimethyl phthalate	163	7.316	7.322	-0.006	99	988072	63.8	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	82	168734	65.1	
113 2,6-Dinitrotoluene	165	7.398	7.405	-0.007	91	234354	63.2	
114 Acenaphthylene	152	7.486	7.487	-0.001	100	1293660	57.1	
115 3-Nitroaniline	138	7.586	7.593	-0.007	97	234778	52.1	
117 Acenaphthene	153	7.657	7.657	0.0	99	860239	58.7	
118 2,4-Dinitrophenol	184	7.692	7.693	-0.001	95	203998	108.7	
119 4-Nitrophenol	109	7.786	7.787	-0.001	98	291903	138.3	
122 2,4-Dinitrotoluene	165	7.809	7.810	-0.001	94	323742	66.8	
123 Dibenzofuran	168	7.827	7.834	-0.007	99	1204001	60.0	
125 2,3,4,6-Tetrachlorophenol	232	7.956	7.957	-0.001	73	229808	65.3	
127 Hexadecane	57	7.986	7.986	0.0	96	612433	55.2	
130 Diethyl phthalate	149	8.015	8.022	-0.007	100	996830	64.4	
134 4-Chlorophenyl phenyl ether	204	8.156	8.157	-0.001	98	457220	61.3	
135 Fluorene	166	8.180	8.180	0.0	100	1022022	61.0	
138 4-Nitroaniline	138	8.215	8.216	-0.001	98	274981	61.5	
139 4,6-Dinitro-2-methylphenol	198	8.227	8.227	0.0	95	338642	118.3	
141 N-Nitrosodiphenylamine	169	8.279	8.280	-0.001	98	787088	62.8	
143 1,2-Diphenylhydrazine	77	8.321	8.321	0.0	97	1032112	62.1	
144 Azobenzene	77	8.321	8.321	0.0	97	1032112	61.4	
147 2,4,6 - Tribromophenol	330	8.432	8.433	-0.001	98	194540	83.8	
156 4-Bromophenyl phenyl ether	248	8.655	8.656	-0.001	98	281167	60.4	
157 Hexachlorobenzene	284	8.732	8.733	-0.001	96	338617	61.5	
159 Atrazine	200	8.797	8.797	-0.001	94	246260	62.6	
161 n-Octadecane	85	8.908	8.909	-0.001	96	238611	59.7	
163 Pentachlorophenol	266	8.938	8.944	-0.006	96	320331	113.1	
168 Phenanthrene	178	9.155	9.161	-0.006	100	1525903	62.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
169 Anthracene	178	9.208	9.208	0.0	100	1510169	60.1	
170 Carbazole	167	9.378	9.379	-0.001	100	1528235	62.5	
173 Di-n-butyl phthalate	149	9.666	9.673	-0.007	100	1691246	63.1	
179 Fluoranthene	202	10.577	10.577	0.0	100	1663843	62.7	
181 Benzidine	184		10.777					
182 Pyrene	202	10.935	10.936	-0.001	99	1711302	63.2	
190 Butyl benzyl phthalate	149	12.046	12.052	-0.006	98	719406	61.1	
195 Bis(2-ethylhexyl) phthalate	149	13.379	13.380	-0.001	98	943787	60.1	
197 3,3'-Dichlorobenzidine	252	13.338	13.345	-0.007	97	386542	39.7	
198 Benzo[a]anthracene	228	13.368	13.368	0.0	99	1583678	61.6	
199 Chrysene	228	13.456	13.462	-0.006	99	1512954	61.9	
201 Di-n-octyl phthalate	149	15.236	15.243	-0.007	99	1395537	53.2	
203 Benzo[b]fluoranthene	252	16.346	16.353	-0.007	96	1465856	63.3	
204 Benzo[k]fluoranthene	252	16.429	16.429	0.0	98	1678459	68.4	
207 Benzo[a]pyrene	252	17.316	17.328	-0.012	97	1436124	62.0	
213 Dibenz(a,h)anthracene	278	20.759	20.771	-0.012	75	1366320	62.8	
214 Indeno[1,2,3-cd]pyrene	276	20.683	20.689	-0.006	67	1282658	55.8	M
215 Benzo[g,h,i]perylene	276	21.446	21.459	-0.013	99	1455804	63.1	

QC Flag Legend

Review Flags
M - Manually Integrated

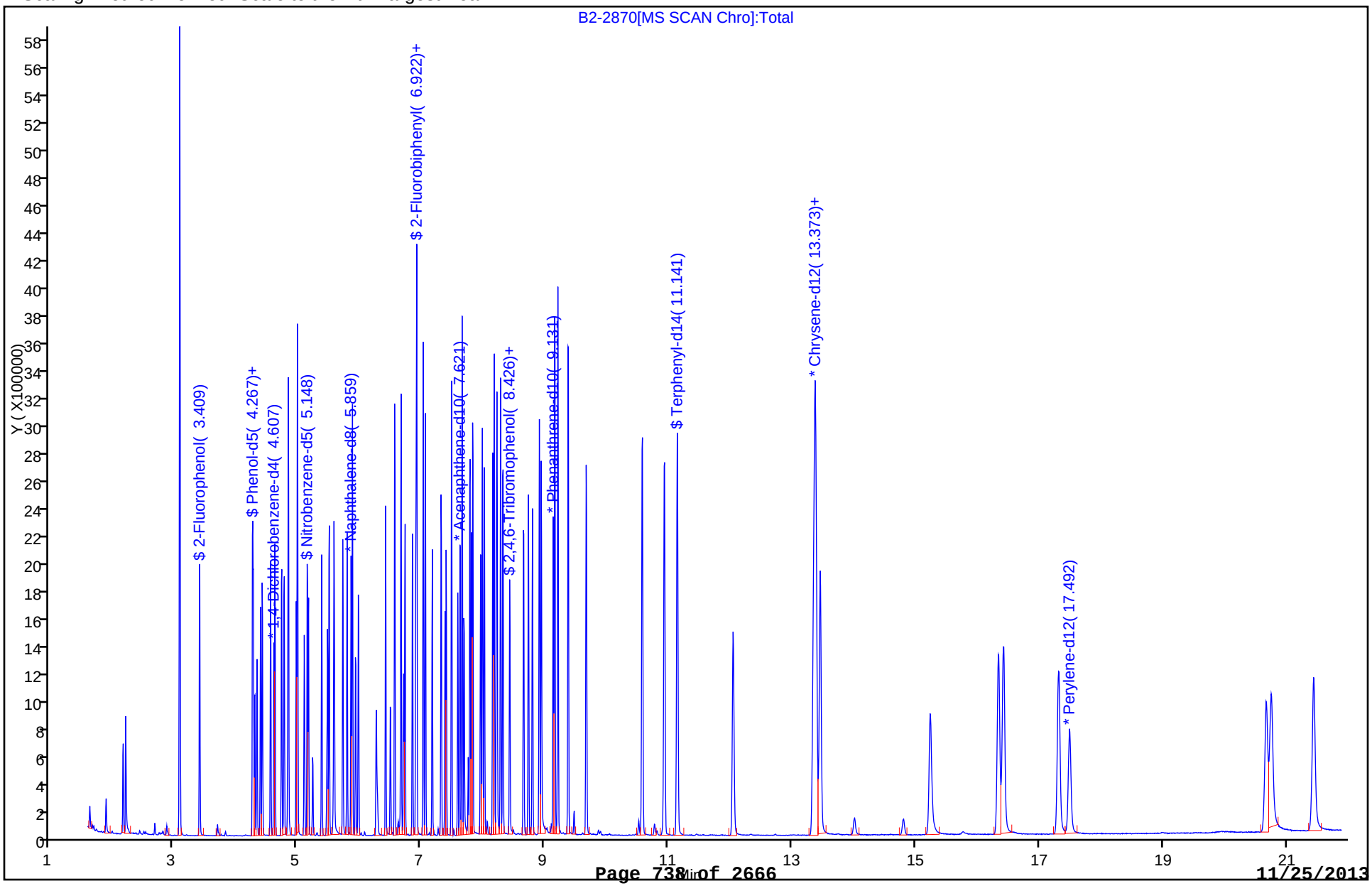
Report Date: 01-Nov-2013 09:55:09 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2870.D

Injection Date:	31-Oct-2013 14:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

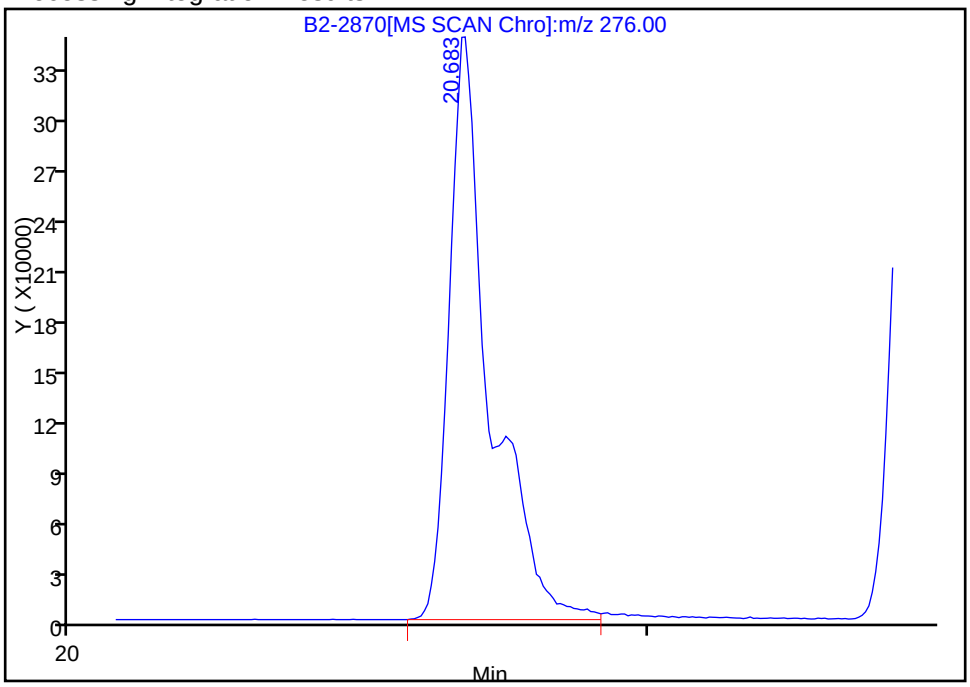
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2870.D		
Injection Date:	31-Oct-2013 14:10:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	32
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

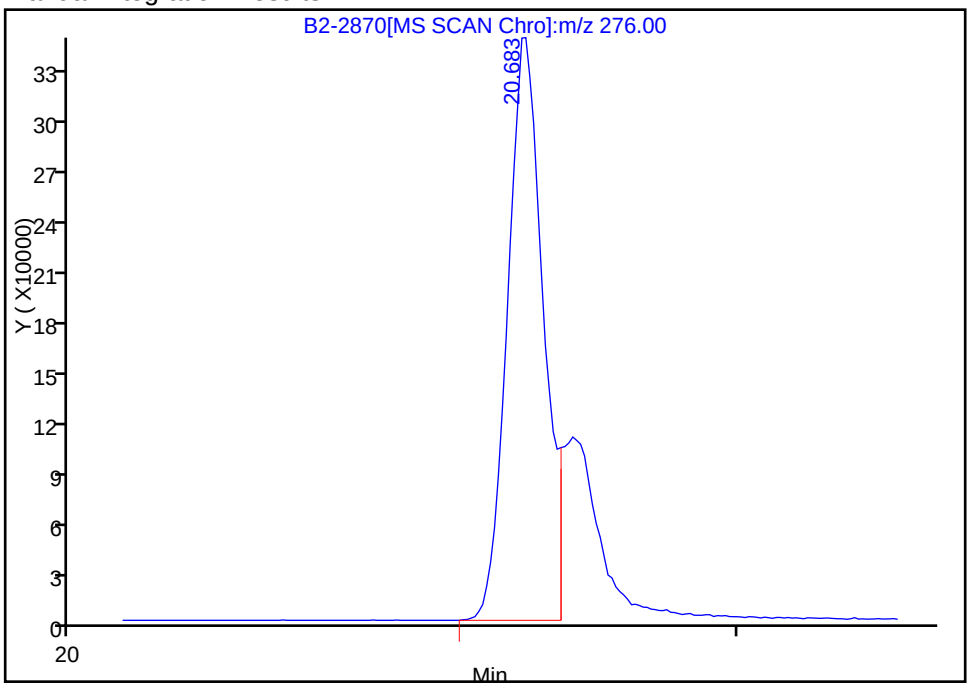
Processing Integration Results

RT: 20.68
Response: 1675662
Amount: 72.869959



Manual Integration Results

RT: 20.68
Response: 1282658
Amount: 55.779289



Reviewer: kiekeld, 31-Oct-2013 14:53:53
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: B2-2880.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 19:06

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	1880		360	180	54
95-94-3	1,2,4,5-Tetrachlorobenzene	1890		360	72	53
120-82-1	1,2,4-Trichlorobenzene	1810		360	36	30
95-50-1	1,2-Dichlorobenzene	1860		360	36	24
122-66-7	1,2-Diphenylhydrazine	2130		360	36	24
541-73-1	1,3-Dichlorobenzene	1810		360	36	13
106-46-7	1,4-Dichlorobenzene	1790		360	36	15
108-60-1	2,2'-oxybis[1-chloropropane]	2050		360	36	25
58-90-2	2,3,4,6-Tetrachlorophenol	2120		1700	180	150
95-95-4	2,4,5-Trichlorophenol	2090		360	140	11
88-06-2	2,4,6-Trichlorophenol	2080		360	71	11
120-83-2	2,4-Dichlorophenol	1980		360	71	11
105-67-9	2,4-Dimethylphenol	1930		360	140	71
51-28-5	2,4-Dinitrophenol	2790		1700	720	360
121-14-2	2,4-Dinitrotoluene	2130		360	140	71
87-65-0	2,6-Dichlorophenol	140	U	360	140	74
606-20-2	2,6-Dinitrotoluene	2050		360	71	30
91-58-7	2-Chloronaphthalene	1860		360	36	11
95-57-8	2-Chlorophenol	1940		360	36	23
91-57-6	2-Methylnaphthalene	1950		360	36	20
95-48-7	2-Methylphenol	2010		360	36	14
88-74-4	2-Nitroaniline	2120		1700	71	54
88-75-5	2-Nitrophenol	1910		360	71	11
15831-10-4	3 & 4 Methylphenol	2080		360	71	36
91-94-1	3,3'-Dichlorobenzidine	1680	J	1700	360	97
99-09-2	3-Nitroaniline	1870		1700	140	79
534-52-1	4,6-Dinitro-2-methylphenol	3380		1700	710	360
101-55-3	4-Bromophenyl phenyl ether	2060		360	36	20
59-50-7	4-Chloro-3-methylphenol	2160		360	140	71
106-47-8	4-Chloroaniline	1520		360	140	88
7005-72-3	4-Chlorophenyl phenyl ether	1990		360	71	23
100-01-6	4-Nitroaniline	2000		1700	140	78
100-02-7	4-Nitrophenol	4420		1700	360	100
83-32-9	Acenaphthene	1920		360	18	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: B2-2880.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 19:06

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	1880		360	36	18
98-86-2	Acetophenone	1620		360	36	22
120-12-7	Anthracene	2040		360	36	18
1912-24-9	Atrazine	2100		360	140	40
100-52-7	Benzaldehyde	72	U	360	72	42
92-87-5	Benzidine	4300	U	4300	4300	1100
56-55-3	Benzo[a]anthracene	2080		360	36	22
50-32-8	Benzo[a]pyrene	2070		360	36	22
205-99-2	Benzo[b]fluoranthene	2140		360	36	28
191-24-2	Benzo[g,h,i]perylene	2010		360	36	17
207-08-9	Benzo[k]fluoranthene	2120		360	71	43
65-85-0	Benzoic acid	1990		1700	710	360
100-51-6	Benzyl alcohol	2030		360	36	11
111-91-1	Bis(2-chloroethoxy)methane	1890		360	71	25
111-44-4	Bis(2-chloroethyl)ether	1990		360	36	18
117-81-7	Bis(2-ethylhexyl) phthalate	2250		360	71	50
85-68-7	Butyl benzyl phthalate	2220		360	71	46
105-60-2	Caprolactam	2150		1700	360	110
86-74-8	Carbazole	2100		360	72	39
218-01-9	Chrysene	2080		360	36	29
53-70-3	Dibenz(a,h)anthracene	2060		360	36	20
132-64-9	Dibenzofuran	1950		360	36	22
84-66-2	Diethyl phthalate	2080		710	36	28
131-11-3	Dimethyl phthalate	2330		360	36	25
84-74-2	Di-n-butyl phthalate	2160		360	36	31
117-84-0	Di-n-octyl phthalate	2210		360	71	16
206-44-0	Fluoranthene	2150		360	71	39
86-73-7	Fluorene	1990		360	36	19
118-74-1	Hexachlorobenzene	1980		360	71	31
87-68-3	Hexachlorobutadiene	1820		360	71	11
77-47-4	Hexachlorocyclopentadiene	1300	J	1800	71	54
67-72-1	Hexachloroethane	1830		360	36	23
193-39-5	Indeno[1,2,3-cd]pyrene	2000	M	360	36	24
78-59-1	Isophorone	1810		360	36	18

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MS | Lab Sample ID: 280-48486-1 MS

Matrix: Solid | Lab File ID: B2-2880.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 31.0(g) | Date Analyzed: 10/31/2013 19:06

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	1890		360	71	33
98-95-3	Nitrobenzene	1920		360	36	24
62-75-9	N-Nitrosodimethylamine	1820		560	71	40
621-64-7	N-Nitrosodi-n-propylamine	2020		360	71	33
86-30-6	N-Nitrosodiphenylamine	2090		360	36	23
930-55-2	N-Nitrosopyrrolidine	140	U	360	140	69
87-86-5	Pentachlorophenol	3880		1700	720	360
85-01-8	Phenanthrene	2100		360	36	18
108-95-2	Phenol	2090		360	36	19
129-00-0	Pyrene	2160		430	36	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	75		35-125
321-60-8	2-Fluorobiphenyl	65		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	68		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	76		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2880.D
Lims ID: 280-48486-B-1-B MS
Client ID:
Inject. Date: 31-Oct-2013 19:06:30
Dil. Factor: 1.0000
Sample Type: MS
Sample ID: 280-48486-B-1-BMS
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 17
Lims Batch ID: 198682
Lims Sample ID: 42
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07
Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld
Date: 01-Nov-2013 09:46:14

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.607	4.609	-0.002	92	216577	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	904033	40.0	
* 3 Acenaphthene-d10	164	7.622	7.623	-0.001	99	556966	40.0	
* 4 Phenanthrene-d10	188	9.132	9.133	-0.001	99	952428	40.0	
* 5 Chrysene-d12	240	13.391	13.387	0.004	88	1040403	40.0	
* 6 Perylene-d12	264	17.492	17.506	-0.014	99	977350	40.0	
$ 7 2-Fluorophenol	112	3.403	3.404	-0.001	96	546214	71.8	
$ 8 Phenol-d5	99	4.261	4.261	0.0	98	720733	73.1	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	95	598990	68.0	
$ 10 2,4,6-Trichlorophenol-d2	198		6.858					
$ 11 2-Fluorobiphenyl	172	6.922	6.923	-0.001	99	1198021	65.3	
$ 12 2,4,6-Tribromophenol	330	8.427	8.433	-0.006	92	196887	75.1	
$ 13 Terphenyl-d14	244	11.141	11.142	-0.001	99	1575787	76.2	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		1.693					
18 2-Ethoxyethanol	59		1.899					
19 1,4-Dioxane	88	1.893	1.899	-0.006	91	95546	29.6	
20 N-Nitrosodimethylamine	74	2.169	2.176	-0.007	96	256394	50.7	
21 Pyridine	79	2.210	2.217	-0.007	96	342261	38.4	
22 Dimethylformamide	73		2.533					
23 2-Picoline	93		2.862					
24 N-Nitrosomethylethylamine	88		2.962					
25 Acrylamide	71		3.214					
26 Methyl methanesulfonate	80		3.238					
27 N-Nitrosodiethylamine	102		3.596					
28 Pentachlorophenol_T	266		3.757					
29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94	4.278	4.279	-0.001	91	590875	58.1	
33 Phenylmercaptan	110		4.261					
34 Aniline	93	4.296	4.302	-0.006	97	422086	33.5	
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93	4.337	4.338	-0.001	52	424990	55.4	
37 Pentachloroethane	117		4.348					
38 n-Decane	43	4.390	4.396	-0.006	96	358245	45.2	
39 2-Chlorophenol	128	4.419	4.420	-0.001	94	437200	54.2	
40 1,3-Dichlorobenzene	146	4.555	4.555	0.0	97	432918	50.4	
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146	4.625	4.626	-0.001	97	442003	50.0	
43 Benzyl alcohol	108	4.731	4.737	-0.006	98	291383	56.6	
44 1,2-Dichlorobenzene	146	4.772	4.778	-0.006	96	432846	51.9	
45 2-Methylphenol	108	4.843	4.843	-0.001	97	409345	56.0	
46 2,2'-oxybis[1-chloropropane]	45	4.837	4.843	-0.006	91	611790	57.0	
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108	4.989	4.990	-0.001	85	447258	58.0	
50 3-Methylphenol	108	4.989	4.990	-0.001	73	447258	58.0	
51 4-Methylphenol	108	4.989	4.990	-0.001	80	447258	58.0	
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	97	319000	56.4	
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105	4.989	4.990	-0.001	90	481859	45.1	
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117	5.101	5.102	-0.001	95	162860	51.0	
59 Nitrobenzene	77	5.166	5.172	-0.006	95	466950	53.5	
60 Triethyl phosphate	99		5.254					
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82	5.383	5.384	-0.001	99	776336	50.5	
64 2-Nitrophenol	139	5.477	5.478	-0.001	92	229796	53.2	
65 2,4-Dimethylphenol	107	5.501	5.507	-0.006	98	431116	53.7	
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105	5.589	5.619	-0.030	96	253806	55.6	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	97	503326	52.6	
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	95	372749	55.2	
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180	5.794	5.795	-0.001	96	375724	50.5	
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					
79 Naphthalene	128	5.882	5.883	-0.001	100	1239322	52.6	
80 4-Chloroaniline	127	5.929	5.936	-0.007	99	455256	42.4	
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225	5.976	5.977	-0.001	96	197358	50.7	
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					
86 Caprolactam	55	6.264	6.277	-0.013	94	275010	59.9	
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107	6.417	6.418	-0.001	98	415586	60.2	
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142	6.564	6.565	-0.001	100	879075	54.2	
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142	6.664	6.670	-0.006	99	821592	53.8	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	97	118642	36.1	
98 1,2,4,5-Tetrachlorobenzene	216	6.729	6.735	-0.006	97	376663	52.6	
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	80	276982	57.9	
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196	6.905	6.911	-0.006	96	300709	58.2	
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154	7.028	7.029	-0.001	96	1069088	52.3	
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					
106 2-Chloronaphthalene	162	7.063	7.064	-0.001	99	833377	51.9	
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65	7.169	7.176	-0.007	94	328035	59.2	
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	99	1146117	64.9	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	84	172162	58.2	
113 2,6-Dinitrotoluene	165	7.398	7.405	-0.007	91	240968	57.0	
114 Acenaphthylene	152	7.486	7.487	-0.001	100	1356142	52.5	
115 3-Nitroaniline	138	7.586	7.593	-0.007	95	267882	52.1	
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					
117 Acenaphthene	153	7.657	7.657	0.0	99	893957	53.5	
118 2,4-Dinitrophenol	184	7.686	7.693	-0.007	89	151433	77.8	
119 4-Nitrophenol	109	7.780	7.787	-0.007	96	296469	123.2	
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165	7.810	7.810	0.0	94	327129	59.2	
123 Dibenzofuran	168	7.827	7.834	-0.007	99	1242694	54.4	
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	-0.001	72	236612	58.9	
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57	7.986	7.986	0.0	96	742773	58.7	
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149	8.015	8.022	-0.007	99	1021895	57.9	
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204	8.156	8.157	-0.001	99	470852	55.4	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166	8.174	8.180	-0.006	100	1055509	55.3	
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138	8.209	8.216	-0.007	93	283794	55.7	
139 4,6-Dinitro-2-methylphenol	198	8.221	8.227	-0.006	82	292317	94.1	
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169	8.280	8.280	0.0	97	806755	58.2	
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77	8.315	8.321	-0.006	96	1122655	59.2	
144 Azobenzene	77	8.315	8.321	-0.006	96	1122655	58.6	
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330	8.427	8.433	-0.006	92	197851	74.8	
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248	8.650	8.656	-0.006	95	295177	57.3	
157 Hexachlorobenzene	284	8.732	8.733	-0.001	97	336579	55.2	
158 Dimethoate	87		8.755					
159 Atrazine	200	8.797	8.797	0.0	94	254208	58.4	
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					
161 n-Octadecane	85	8.908	8.909	-0.001	95	267443	60.5	
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266	8.938	8.944	-0.006	95	336821	108.0	
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					
167 Dinoseb	211		9.090					
168 Phenanthrene	178	9.155	9.161	-0.006	99	1581387	58.5	
169 Anthracene	178	9.208	9.208	0.0	100	1578231	56.8	
170 Carbazole	167	9.372	9.379	-0.007	100	1585604	58.6	
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149	9.666	9.673	-0.007	100	1781131	60.1	
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202	10.571	10.577	-0.006	99	1756633	59.8	
180 Diphenylsulfone	125		10.196					
181 Benzidine	184	10.771	10.777	-0.006	79	65183	3.99	7
182 Pyrene	202	10.929	10.936	-0.007	96	1789707	60.1	
183 Aramite Peak 1	185		11.052					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149	12.046	12.052	-0.006	98	798324	61.7	
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149	13.374	13.380	-0.006	95	1082129	62.7	
196 4,4'-Methylene bis(2-chloroanili	231		13.344					
197 3,3'-Dichlorobenzidine	252	13.338	13.345	-0.007	95	500707	46.7	
198 Benzo[a]anthracene	228	13.362	13.368	-0.006	99	1637248	57.9	
199 Chrysene	228	13.456	13.462	-0.006	99	1559792	58.0	
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149	15.230	15.243	-0.013	99	1782662	61.5	
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252	16.341	16.353	-0.012	96	1611266	59.6	
204 Benzo[k]fluoranthene	252	16.423	16.429	-0.006	98	1687588	58.9	
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					
207 Benzo[a]pyrene	252	17.316	17.328	-0.012	99	1560374	57.7	
208 Perylene	252		17.610					
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278	20.753	20.771	-0.018	74	1461394	57.5	
214 Indeno[1,2,3-cd]pyrene	276	20.677	20.689	-0.012	62	1405065	55.6	M
215 Benzo[g,h,i]perylene	276	21.447	21.459	-0.012	99	1512129	56.1	
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108				0		114.1	
S 218 Methyl Phenols,Total	108				0		114.1	
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

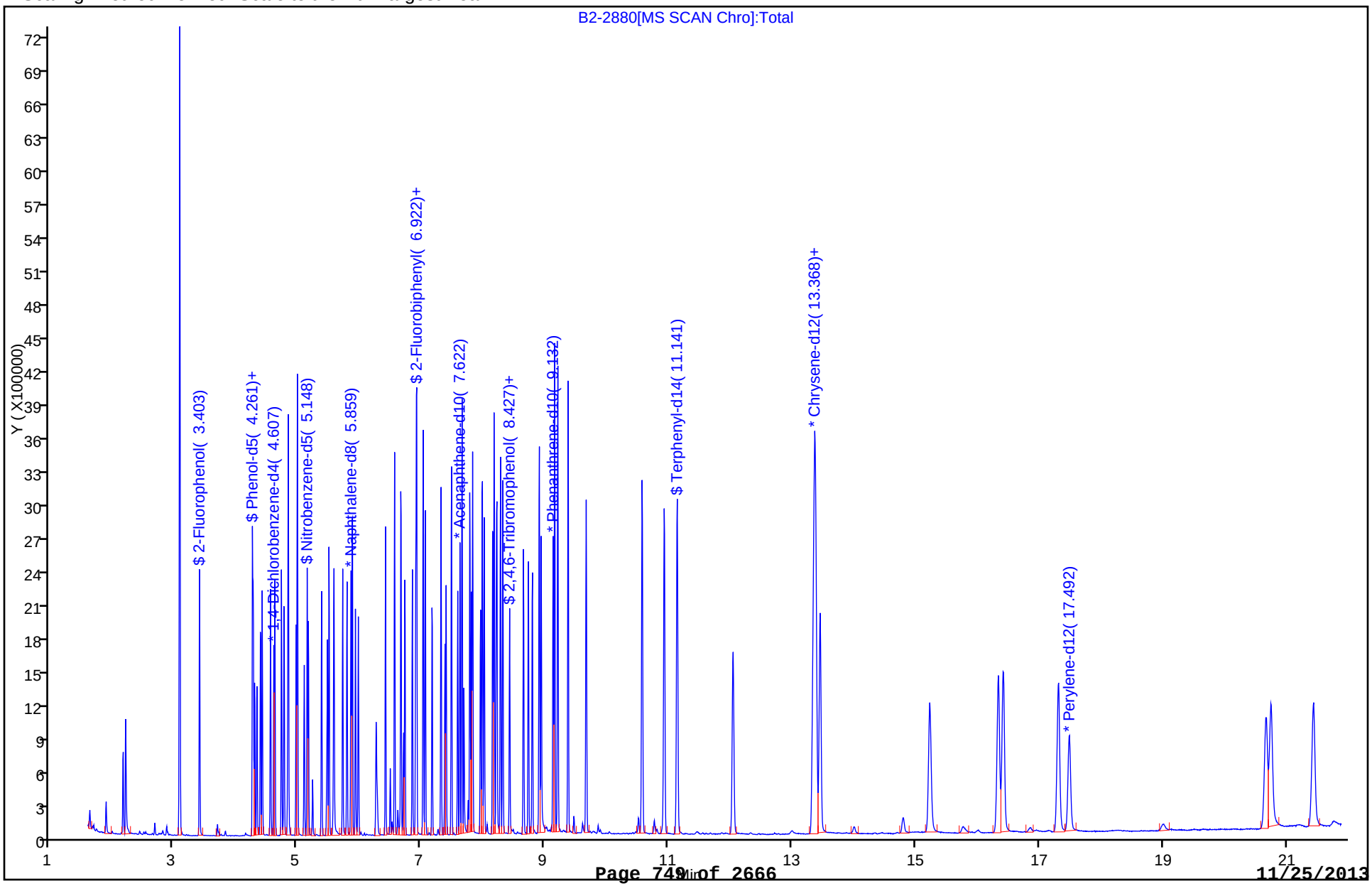
Report Date: 01-Nov-2013 09:55:17 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2880.D

Injection Date:	31-Oct-2013 19:06:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	42
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

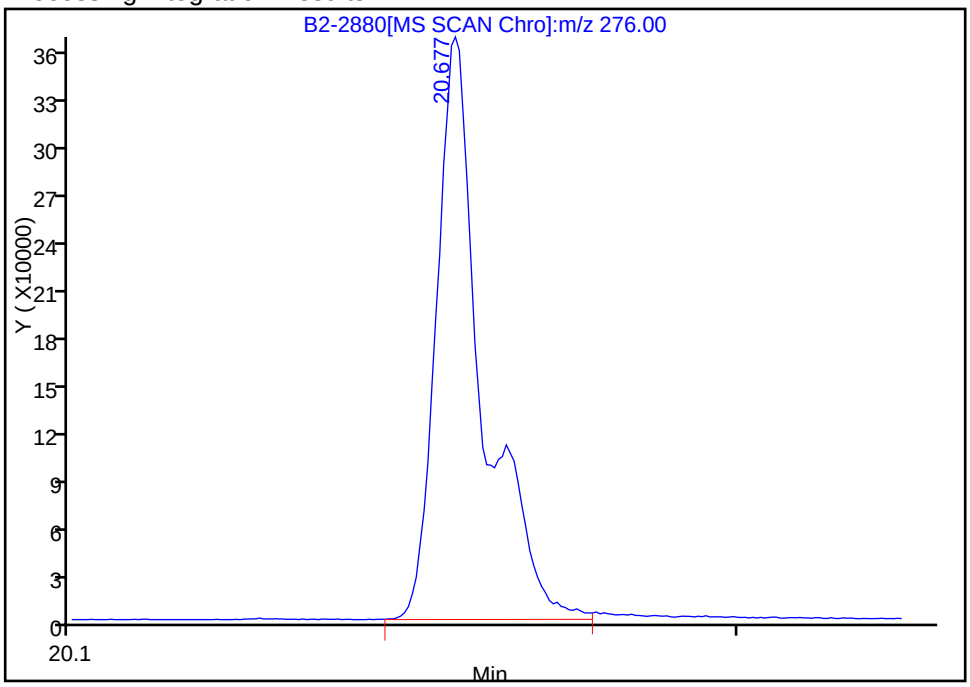
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2880.D		
Injection Date:	31-Oct-2013 19:06:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	42
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

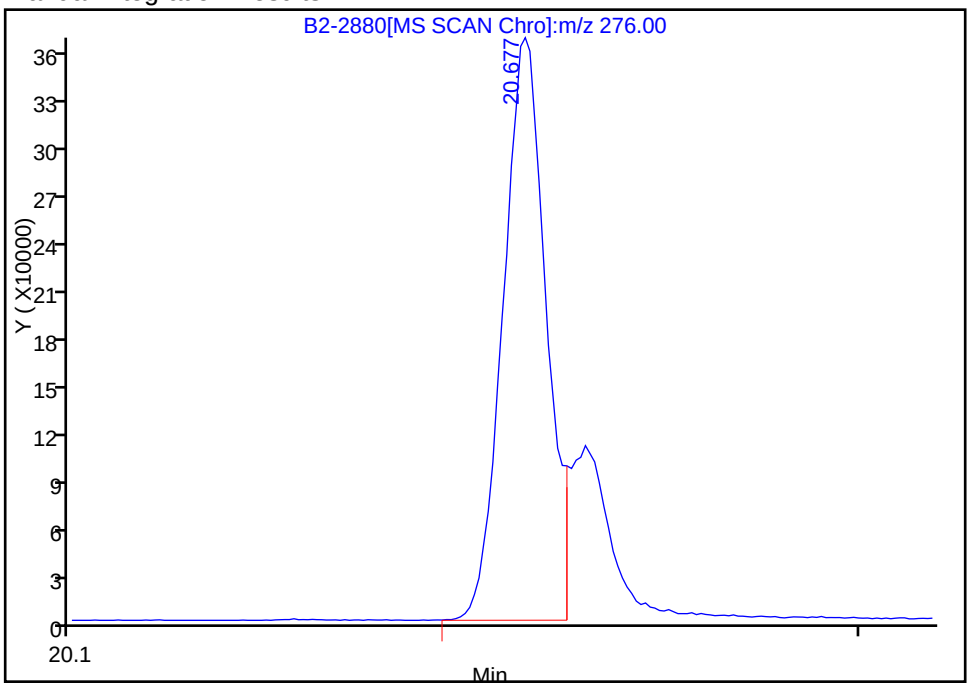
Processing Integration Results

RT: 20.68
Response: 1778321
Amount: 70.353362



Manual Integration Results

RT: 20.68
Response: 1405065
Amount: 55.586729



Reviewer: kiekeld, 01-Nov-2013 09:46:14
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: B2-2881.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 30.3(g) | Date Analyzed: 10/31/2013 19:35

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
92-52-4	1,1'-Biphenyl	1940		360	180	55
95-94-3	1,2,4,5-Tetrachlorobenzene	1960		360	74	54
120-82-1	1,2,4-Trichlorobenzene	1880		360	36	31
95-50-1	1,2-Dichlorobenzene	1880		360	36	24
122-66-7	1,2-Diphenylhydrazine	2210		360	36	24
541-73-1	1,3-Dichlorobenzene	1840		360	36	13
106-46-7	1,4-Dichlorobenzene	1830		360	36	15
108-60-1	2,2'-oxybis[1-chloropropane]	2080		360	36	25
58-90-2	2,3,4,6-Tetrachlorophenol	2220		1800	180	150
95-95-4	2,4,5-Trichlorophenol	2160		360	140	11
88-06-2	2,4,6-Trichlorophenol	2140		360	73	11
120-83-2	2,4-Dichlorophenol	2060		360	73	11
105-67-9	2,4-Dimethylphenol	1980		360	140	73
51-28-5	2,4-Dinitrophenol	3230		1800	740	370
121-14-2	2,4-Dinitrotoluene	2230		360	140	73
87-65-0	2,6-Dichlorophenol	140	U	360	140	76
606-20-2	2,6-Dinitrotoluene	2120		360	73	31
91-58-7	2-Chloronaphthalene	1940		360	36	11
95-57-8	2-Chlorophenol	2030		360	36	23
91-57-6	2-Methylnaphthalene	1980		360	36	21
95-48-7	2-Methylphenol	2080		360	36	14
88-74-4	2-Nitroaniline	2260		1800	73	55
88-75-5	2-Nitrophenol	2030		360	73	11
15831-10-4	3 & 4 Methylphenol	2080		360	73	36
91-94-1	3,3'-Dichlorobenzidine	1810		1800	360	99
99-09-2	3-Nitroaniline	1970		1800	150	80
534-52-1	4,6-Dinitro-2-methylphenol	3780		1800	730	360
101-55-3	4-Bromophenyl phenyl ether	2110		360	36	21
59-50-7	4-Chloro-3-methylphenol	2210		360	140	73
106-47-8	4-Chloroaniline	1510		360	140	90
7005-72-3	4-Chlorophenyl phenyl ether	2090		360	73	23
100-01-6	4-Nitroaniline	2130		1800	140	80
100-02-7	4-Nitrophenol	4700		1800	360	110
83-32-9	Acenaphthene	2000		360	19	11

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: B2-2881.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 30.3(g) | Date Analyzed: 10/31/2013 19:35

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
208-96-8	Acenaphthylene	1970		360	36	19
98-86-2	Acetophenone	1660		360	36	22
120-12-7	Anthracene	2120		360	36	19
1912-24-9	Atrazine	2250		360	140	41
100-52-7	Benzaldehyde	74	U	360	74	43
92-87-5	Benzidine	4400	U	4400	4400	1100
56-55-3	Benzo[a]anthracene	2200		360	36	22
50-32-8	Benzo[a]pyrene	2160		360	36	22
205-99-2	Benzo[b]fluoranthene	2190		360	36	29
191-24-2	Benzo[g,h,i]perylene	2130		360	36	18
207-08-9	Benzo[k]fluoranthene	2250		360	73	44
65-85-0	Benzoic acid	2040		1800	730	360
100-51-6	Benzyl alcohol	2040		360	36	11
111-91-1	Bis(2-chloroethoxy)methane	1940		360	73	25
111-44-4	Bis(2-chloroethyl)ether	2060		360	36	18
117-81-7	Bis(2-ethylhexyl) phthalate	2340		360	73	51
85-68-7	Butyl benzyl phthalate	2310		360	73	47
105-60-2	Caprolactam	2240		1800	360	120
86-74-8	Carbazole	2200		360	74	40
218-01-9	Chrysene	2200		360	36	30
53-70-3	Dibenz(a,h)anthracene	2170		360	36	21
132-64-9	Dibenzofuran	2040		360	36	22
84-66-2	Diethyl phthalate	2150		730	36	29
131-11-3	Dimethyl phthalate	2380		360	36	25
84-74-2	Di-n-butyl phthalate	2240		360	36	32
117-84-0	Di-n-octyl phthalate	2320		360	73	16
206-44-0	Fluoranthene	2280		360	73	40
86-73-7	Fluorene	2060		360	36	20
118-74-1	Hexachlorobenzene	2080		360	73	32
87-68-3	Hexachlorobutadiene	1870		360	73	11
77-47-4	Hexachlorocyclopentadiene	1270	J	1900	73	55
67-72-1	Hexachloroethane	1840		360	36	23
193-39-5	Indeno[1,2,3-cd]pyrene	2120	M	360	36	24
78-59-1	Isophorone	1860		360	36	19

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF MSD | Lab Sample ID: 280-48486-1 MSD

Matrix: Solid | Lab File ID: B2-2881.D

Analysis Method: 8270D/DoD | Date Collected: 10/25/2013 11:00

Extract. Method: 3550C | Date Extracted: 10/29/2013 21:40

Sample wt/vol: 30.3(g) | Date Analyzed: 10/31/2013 19:35

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

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

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198682 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
91-20-3	Naphthalene	1920		360	73	34
98-95-3	Nitrobenzene	1980		360	36	24
62-75-9	N-Nitrosodimethylamine	1870		570	73	41
621-64-7	N-Nitrosodi-n-propylamine	2060		360	73	34
86-30-6	N-Nitrosodiphenylamine	2190		360	36	23
930-55-2	N-Nitrosopyrrolidine	140	U	360	140	71
87-86-5	Pentachlorophenol	3980		1800	740	360
85-01-8	Phenanthrene	2190		360	36	19
108-95-2	Phenol	2160		360	36	20
129-00-0	Pyrene	2290		440	36	13

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	78		35-125
321-60-8	2-Fluorobiphenyl	67		45-105
367-12-4	2-Fluorophenol (Surr)	72		35-105
4165-60-0	Nitrobenzene-d5 (Surr)	69		35-100
4165-62-2	Phenol-d5 (Surr)	73		40-100
1718-51-0	Terphenyl-d14 (Surr)	78		30-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2881.D
Lims ID: 280-48486-B-1-C MSD
Client ID:
Inject. Date: 31-Oct-2013 19:35:30
Dil. Factor: 1.0000
Sample Type: MSD
Sample ID: 280-48486-B-1-CMSD
Misc. Info.:
Operator: KIEKELD
Instrument ID: SMS_B2
Injection Vol: 0.5 ul
ALS Bottle#: 18
Lims Batch ID: 198682
Lims Sample ID: 43
Detector: MS SCAN

Method: \\denchrom\chromdata\SMS_B2\20131031-16930.b\SMSB2_8270C.m
Method Label: 8270C / 625
Last Update: 01-Nov-2013 09:55:07
Calib Date: 31-Oct-2013 13:45:30
Quant Method: Internal Standard
Quant By: Initial Calibration
Last ICal File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2869.D
Limit Group: MSSV - 8270C_625
Integrator: RTE
ID Type: Deconvolution ID
Column Type: VF-5ms
Column Dia: 0.50 mm
Process Host: XAWRK002

First Level Reviewer: kiekeld
Date: 01-Nov-2013 09:48:13

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.608	4.609	-0.001	92	214318	40.0	
* 2 Naphthalene-d8	136	5.859	5.860	-0.001	99	886367	40.0	
* 3 Acenaphthene-d10	164	7.622	7.623	-0.001	99	540217	40.0	
* 4 Phenanthrene-d10	188	9.132	9.133	-0.001	99	928781	40.0	
* 5 Chrysene-d12	240	13.386	13.387	-0.001	93	1018961	40.0	
* 6 Perylene-d12	264	17.493	17.506	-0.013	97	964482	40.0	
$ 7 2-Fluorophenol	112	3.403	3.404	-0.001	96	541178	71.9	
$ 8 Phenol-d5	99	4.261	4.261	0.0	98	708563	72.7	
$ 9 Nitrobenzene-d5	82	5.148	5.149	-0.001	95	594680	68.9	
$ 10 2,4,6-Trichlorophenol-d2	198		6.858					
$ 11 2-Fluorobiphenyl	172	6.923	6.923	0.0	99	1189526	66.8	
$ 12 2,4,6-Tribromophenol	330	8.427	8.433	-0.006	93	199252	78.4	
$ 13 Terphenyl-d14	244	11.135	11.142	-0.007	99	1584631	78.3	
14 1,2,3,4-Tetrahydronaphthalene	1		0.000					
15 2-Butoxyethanol	1		0.000					
16 2-Phenoxyethanol	1		0.000					
17 Triethyl amine	86		1.693					
18 2-Ethoxyethanol	59		1.899					
19 1,4-Dioxane	88	1.893	1.899	-0.006	92	93918	29.4	
20 N-Nitrosodimethylamine	74	2.169	2.176	-0.007	98	255134	50.9	
21 Pyridine	79	2.211	2.217	-0.006	94	332149	37.6	
22 Dimethylformamide	73		2.533					
23 2-Picoline	93		2.862					
24 N-Nitrosomethylethylamine	88		2.962					
25 Acrylamide	71		3.214					
26 Methyl methanesulfonate	80		3.238					
27 N-Nitrosodiethylamine	102		3.596					
28 Pentachlorophenol_T	266		3.757					
29 Ethyl methanesulfonate	79		3.867					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
31 Benzaldehyde	106		4.203					
32 Phenol	94	4.279	4.279	0.0	91	592588	58.9	
33 Phenylmercaptan	110		4.261					
34 Aniline	93	4.296	4.302	-0.006	97	381882	30.6	
35 Alpha Methyl Styrene	118		4.326					
36 Bis(2-chloroethyl)ether	93	4.337	4.338	-0.001	46	425715	56.1	
37 Pentachloroethane	117		4.348					
38 n-Decane	43	4.390	4.396	-0.006	96	357512	45.6	
39 2-Chlorophenol	128	4.420	4.420	0.0	94	441169	55.2	
40 1,3-Dichlorobenzene	146	4.555	4.555	0.0	97	426193	50.1	
41 Methyl styrene	118		4.702					
42 1,4-Dichlorobenzene	146	4.625	4.626	-0.001	98	436420	49.9	
43 Benzyl alcohol	108	4.731	4.737	-0.006	98	283301	55.6	
44 1,2-Dichlorobenzene	146	4.772	4.778	-0.006	96	422774	51.3	
45 2-Methylphenol	108	4.843	4.843	0.0	97	408746	56.5	
46 2,2'-oxybis[1-chloropropane]	45	4.837	4.843	-0.006	89	601884	56.7	
47 Indene	116		4.861					
48 Benzidine_T	184		4.868					
49 3 & 4 Methylphenol	108	4.990	4.990	0.0	85	432573	56.7	
50 3-Methylphenol	108	4.990	4.990	0.0	71	432573	56.7	
51 4-Methylphenol	108	4.990	4.990	0.0	77	432573	56.7	
52 N-Nitrosodi-n-propylamine	70	4.972	4.972	0.0	97	313442	56.0	
53 N-Nitrosopyrrolidine	100		4.983					
54 Acetophenone	105	4.990	4.990	0.0	90	477995	45.2	
55 N-Nitrosomorpholine	116		5.018					
56 4,4'-DDE	246		4.973					
57 2-Toluidine	106		5.030					
58 Hexachloroethane	117	5.101	5.102	-0.001	95	158461	50.2	
59 Nitrobenzene	77	5.166	5.172	-0.006	95	462202	54.0	
60 Triethyl phosphate	99		5.254					
61 N-Nitrosopiperidine	114		5.318					
62 4,4'-DDD	235		5.261					
63 Isophorone	82	5.383	5.384	-0.001	99	762059	50.6	
64 2-Nitrophenol	139	5.477	5.478	-0.001	92	234351	55.3	
65 2,4-Dimethylphenol	107	5.501	5.507	-0.006	98	425592	54.0	
66 Benzyl dichloride	125		5.530					
67 o,o',o''-Triethylphosphorothioat	198		5.535					
68 Benzoic acid	105	5.589	5.619	-0.030	96	248737	55.5	
69 Bis(2-chloroethoxy)methane	93	5.583	5.583	0.0	98	495663	52.8	
70 4,4'-DDT	235		5.490					
71 3,5-Dimethylphenol	107		5.636					
72 2,4-Xylidine	121		5.700					
73 alpha,alpha-Dimethyl phenethylam	58		5.688					
74 2,4-Dichlorophenol	162	5.724	5.724	0.0	95	371700	56.1	
75 o-Anisidine	80		5.741					
76 1,2,4-Trichlorobenzene	180	5.795	5.795	0.0	97	373683	51.2	
77 4-chlorobenzenethiol	144		5.874					
78 Alpha-Terpineol	59		5.871					
79 Naphthalene	128	5.883	5.883	0.0	100	1210724	52.4	
80 4-Chloroaniline	127	5.930	5.936	-0.006	99	432693	41.1	
81 2,6-Dichlorophenol	162		5.941					
82 Hexachloropropene	213		5.958					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
83 Hexachlorobutadiene	225	5.977	5.977	0.0	96	194328	50.9	
84 Quinoline	129		6.217					
85 N-Nitrosodi-n-butylamine	84		6.229					
86 Caprolactam	55	6.265	6.277	-0.012	92	274308	60.9	
87 p-Phenylene diamine	108		6.287					
88 5-Methyl-o-Anisidine	122		6.352					
89 4-Chloro-3-methylphenol	107	6.417	6.418	-0.001	98	406855	60.1	
90 Safrole, Total	162		6.458					
91 Carbofuran phenol	164		6.494					
92 1,3-phenylenediamine	108		6.505					
93 2-Methylnaphthalene	142	6.564	6.565	-0.001	99	856718	53.9	
94 Methyl 4-chlorophenyl sulfide	158		6.679					
95 Phthalic anhydride	76		6.641					
96 1-Methylnaphthalene	142	6.664	6.670	-0.006	99	807366	53.9	
97 Hexachlorocyclopentadiene	237	6.711	6.711	0.0	98	109236	34.6	
98 1,2,4,5-Tetrachlorobenzene	216	6.729	6.735	-0.006	99	374770	53.4	
99 Isosafrole Peak 1	162		6.757					
100 2,4,6-Trichlorophenol	196	6.852	6.852	0.0	81	270913	58.4	
101 2,3-Dichlorobenzenamine	161		6.858					
102 2,4,5-Trichlorophenol	196	6.905	6.911	-0.006	95	295498	58.9	
103 Isosafrole Peak 2	104		6.981					
104 1,1'-Biphenyl	154	7.028	7.029	-0.001	96	1049848	53.0	
105 Toluene diamine (2,4- + 2,6- iso	122		7.052					
106 2-Chloronaphthalene	162	7.064	7.064	0.0	99	822449	52.8	
107 1-Chloronaphthalene	162		7.086					
108 2-Nitroaniline	65	7.169	7.176	-0.007	94	331206	61.6	
109 1,4-Naphthoquinone	158		7.245					
110 1,4-Dinitrobenzene	168		7.304					
111 Dimethyl phthalate	163	7.316	7.322	-0.006	98	1110309	64.8	
112 1,3-Dinitrobenzene	168	7.381	7.381	0.0	84	172796	60.3	
113 2,6-Dinitrotoluene	165	7.399	7.405	-0.006	90	237008	57.8	
114 Acenaphthylene	152	7.487	7.487	0.0	100	1341141	53.5	
115 3-Nitroaniline	138	7.587	7.593	-0.006	95	267475	53.6	
116 1,3-Dimethyl-2,4-Dinitrobenzene	77		7.824					
117 Acenaphthene	153	7.657	7.657	0.0	99	883004	54.5	
118 2,4-Dinitrophenol	184	7.686	7.693	-0.007	89	172881	88.0	
119 4-Nitrophenol	109	7.780	7.787	-0.007	96	298913	128.1	
120 1,3-Dimethyl-2,5-Dinitrobenzene	179		7.935					
121 Pentachlorobenzene	250		7.786					
122 2,4-Dinitrotoluene	165	7.810	7.810	0.0	94	326004	60.8	
123 Dibenzofuran	168	7.827	7.834	-0.007	99	1229024	55.4	
124 1-Naphthylamine	143		7.921					
125 2,3,4,6-Tetrachlorophenol	232	7.957	7.957	0.0	71	234960	60.3	
126 1,4-Dimethyl-2,6-Dinitrobenzene	179		8.123					
127 Hexadecane	57	7.980	7.986	-0.006	96	733566	59.8	
128 1,4-Dimethyl-2,3-Dinitrobenzene	77		8.165					
129 2-Naphthylamine	143		7.997					
130 Diethyl phthalate	149	8.015	8.022	-0.007	99	1001650	58.6	
131 n-hydroxymethylphthalimide	147		8.037					
132 1,2-Dimethyl-3,6-Dinitrobenzene	179		8.241					
133 Thionazin	97		8.103					
134 4-Chlorophenyl phenyl ether	204	8.156	8.157	-0.001	99	468082	56.8	

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
135 Fluorene	166	8.174	8.180	-0.006	100	1036391	56.0	
136 Tributyl phosphate	99		8.209					
137 N-Nitro-o-toluidine	152		8.197					
138 4-Nitroaniline	138	8.209	8.216	-0.007	92	285936	57.9	
139 4,6-Dinitro-2-methylphenol	198	8.221	8.227	-0.006	85	314237	102.9	
140 1,5-Dimethyl-2,4-Dinitrobenzene	179		8.388					
141 N-Nitrosodiphenylamine	169	8.280	8.280	0.0	97	804595	59.6	
142 Diphenylamine	169		8.279					
143 1,2-Diphenylhydrazine	77	8.315	8.321	-0.006	96	1106303	60.2	
144 Azobenzene	77	8.315	8.321	-0.006	96	1106303	59.5	
145 1,5-Dimethyl-2,3-Dinitrobenzene	179		8.488					
146 Sulfotepp	97		8.391					
147 2,4,6 - Tribromophenol	330	8.427	8.433	-0.006	93	199185	77.6	
148 1,2-Dimethyl-3,5-Dinitrobenzene	179		8.605					
149 Phenyl sulfide	186		8.465					
150 Diallate Peak 1	86		8.538					
151 1,3,5-Trinitrobenzene	213		8.561					
152 Phorate	121		8.555					
153 Phenacetin	108		8.585					
154 1,2-Dimethyl-3,4-Dinitrobenzene	179		8.758					
155 Diallate Peak 2	86		8.637					
156 4-Bromophenyl phenyl ether	248	8.650	8.656	-0.006	95	288732	57.5	
157 Hexachlorobenzene	284	8.732	8.733	-0.001	97	337285	56.8	
158 Dimethoate	87		8.755					
159 Atrazine	200	8.797	8.797	0.0	94	259702	61.2	
160 1,2-Dimethyl-4,5-Dinitrobenzene	91		8.999					
161 n-Octadecane	85	8.909	8.909	0.0	96	264657	61.4	
162 4-Aminobiphenyl	169		8.931					
163 Pentachlorophenol	266	8.938	8.944	-0.006	95	329859	108.4	
164 Pentachloronitrobenzene	237		8.937					
165 Pronamide	173		8.949					
166 Disulfoton	88		9.078					
167 Dinoseb	211		9.090					
168 Phenanthrene	178	9.155	9.161	-0.006	99	1572626	59.7	
169 Anthracene	178	9.208	9.208	0.0	100	1565239	57.8	
170 Carbazole	167	9.373	9.379	-0.006	99	1580509	59.9	
171 Alachlor	188		9.461					
172 Methyl parathion	109		9.484					
173 Di-n-butyl phthalate	149	9.666	9.673	-0.007	100	1761664	60.9	
174 Ethyl Parathion	109		9.907					
175 4-Nitroquinoline-1-oxide	190		10.030					
176 Methapyrilene	97		10.048					
177 Phenyl disulfide	109		9.896					
178 Isodrin	193		10.341					
179 Fluoranthene	202	10.571	10.577	-0.006	99	1775442	62.0	
180 Diphenylsulfone	125		10.196					
181 Benzidine	184	10.771	10.777	-0.006	83	57234	3.58	7
182 Pyrene	202	10.930	10.936	-0.006	99	1817696	62.4	
183 Aramite Peak 1	185		11.052					
184 Octachlorostyrene	308		10.392					
185 Aramite Peak 2	185		11.187					
186 p-Dimethylamino azobenzene	120		11.393					

Compound	Sig	RT	ADJ RT	DLT RT	Q	Response	On-Col Amt ug/ml	Flags
187 Chlorobenzilate	251		11.452					
188 Famphur	218		11.952					
189 4,4-Dichlorobenzil	139		10.757					
190 Butyl benzyl phthalate	149	12.046	12.052	-0.006	99	797756	63.0	
191 3,3'-Dimethylbenzidine	212		12.080					
192 Bis(4-chlorophenyl)disulfide	143		10.831					
193 p-chlorophenyl sulfone	159		11.021					
194 2-Acetylaminofluorene	181		12.639					
195 Bis(2-ethylhexyl) phthalate	149	13.374	13.380	-0.006	95	1077637	63.7	
196 4,4'-Methylene bis(2-chloroanili	231		13.344					
197 3,3'-Dichlorobenzidine	252	13.333	13.345	-0.012	97	516984	49.3	
198 Benzo[a]anthracene	228	13.362	13.368	-0.006	99	1657163	59.9	
199 Chrysene	228	13.456	13.462	-0.006	99	1575341	59.8	
200 6-Methylchrysene	242		14.660					
201 Di-n-octyl phthalate	149	15.231	15.243	-0.012	99	1790186	63.1	
202 7,12-Dimethylbenz(a)anthracene	256		16.334					
203 Benzo[b]fluoranthene	252	16.341	16.353	-0.012	97	1593480	59.7	
204 Benzo[k]fluoranthene	252	16.417	16.429	-0.012	96	1732664	61.3	
205 Hexachlorophene	196		17.000					
206 Benzo[e]pyrene	252		17.176					
207 Benzo[a]pyrene	252	17.310	17.328	-0.018	97	1571959	58.9	
208 Perylene	252		17.610					
209 3-Methylcholanthrene	268		18.391					
210 Tris(2,3-dibromopropyl)phosphate	119		19.055					
211 Dibenz[a,h]acridine	279		20.036					
212 Dibenz[a,j]acridine	279		20.195					
213 Dibenz(a,h)anthracene	278	20.759	20.771	-0.012	75	1479430	59.0	
214 Indeno[1,2,3-cd]pyrene	276	20.677	20.689	-0.012	70	1429897	57.8	M
215 Benzo[g,h,i]perylene	276	21.447	21.459	-0.012	99	1541694	58.0	
216 Dibenzo[a,e]pyrene	302		25.719					
S 217 Total Cresols	108				0		113.3	
S 218 Methyl Phenols,Total	108				0		113.3	
S 219 Isosafrole	162		15.496					7
S 220 Diallate	86		15.496					7
S 221 Aramite, Total	185		15.496					7
S 222 Phthalic acid	148		19.689					7
T 223 Hexachlorodibenzo-p-dioxin TIC	1		0.000					
T 224 Pentachlorodibenzo-p-dioxin TIC	1		0.000					
T 225 2,6-Dimethylphenol	1		0.000					
T 226 Octadecane (TIC)	1		0.000					
T 227 Tetrachlorodibenzo-p-dioxin TIC	1		0.000					
T 228 Pentachlorodibenzofurans TIC	1		0.000					
T 229 Hexachlorodibenzofurans TIC	1		0.000					
T 230 Tetrachlorodibenzofurans TIC	1		0.000					

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

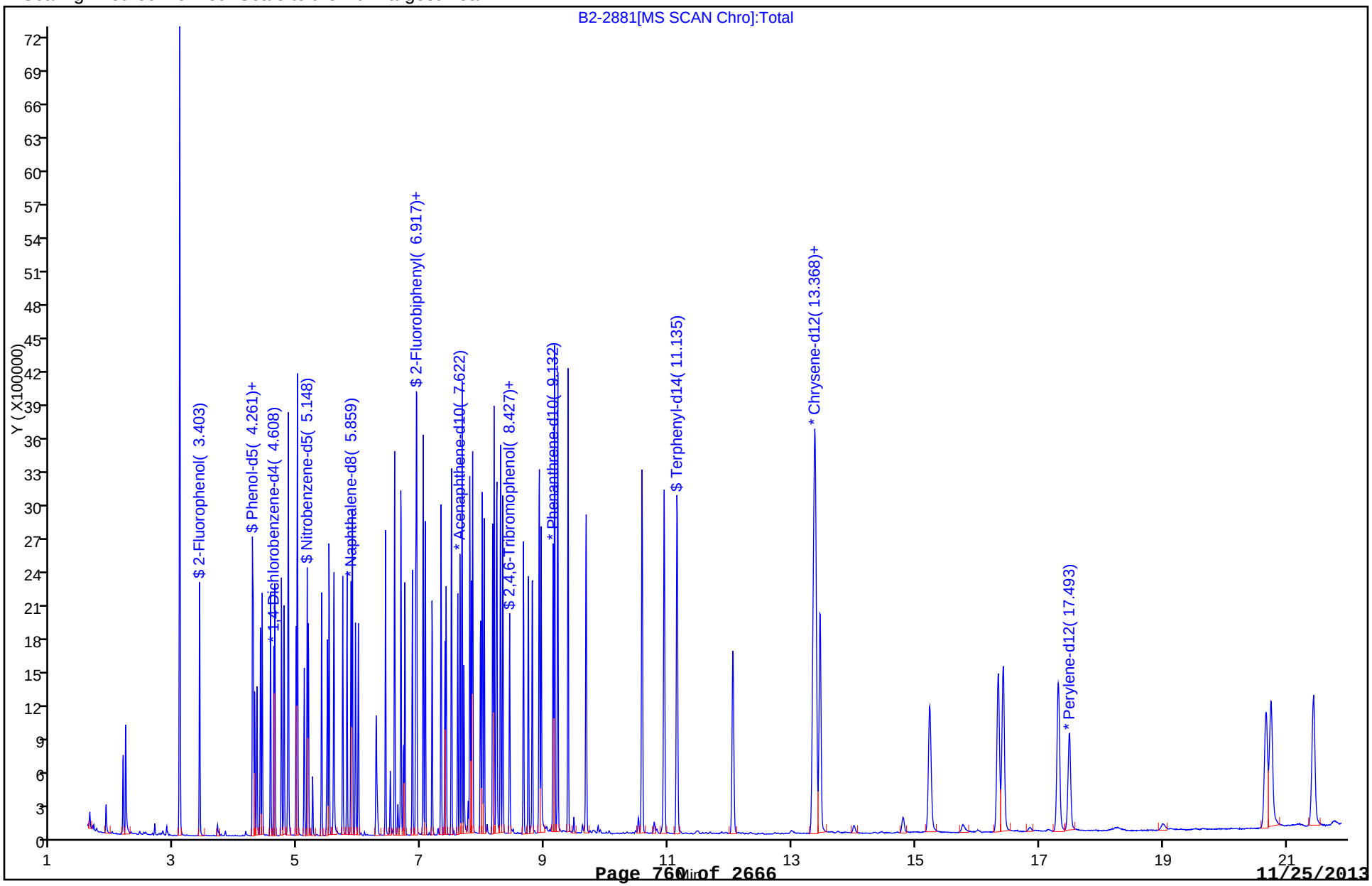
Report Date: 01-Nov-2013 09:55:17 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2881.D

Injection Date:	31-Oct-2013 19:35:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	43
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

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



Manual Integration/User Assign Peak Report

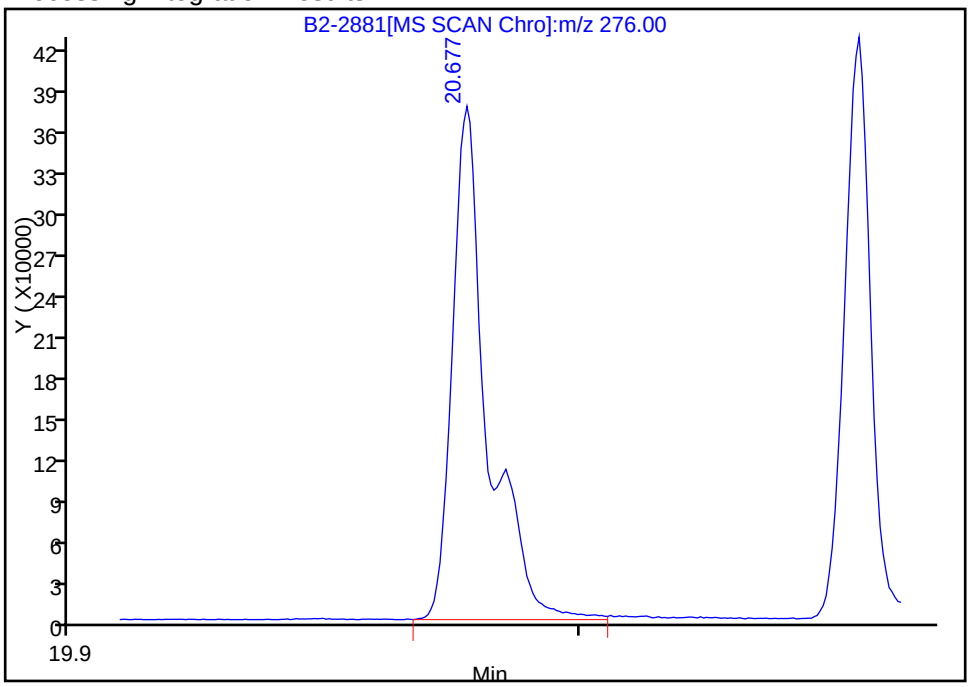
TestAmerica Denver

Data File:	\\denchrom\chromdata\SMS_B2\20131031-16930.b\B2-2881.D		
Injection Date:	31-Oct-2013 19:35:30	Limit Group:	MSSV - 8270C_625
Client ID:		Instrument ID:	SMS_B2
Lims Batch ID:	198682	Lims Sample ID:	43
Operator ID:	KIEKELD	Injection Vol:	0.5 ul
Column Type:	VF-5ms	Column Dia:	0.50 mm

214 Indeno[1,2,3-cd]pyrene, Signal: 1, m/z: 276.0 Type: quant, RT: 20.69

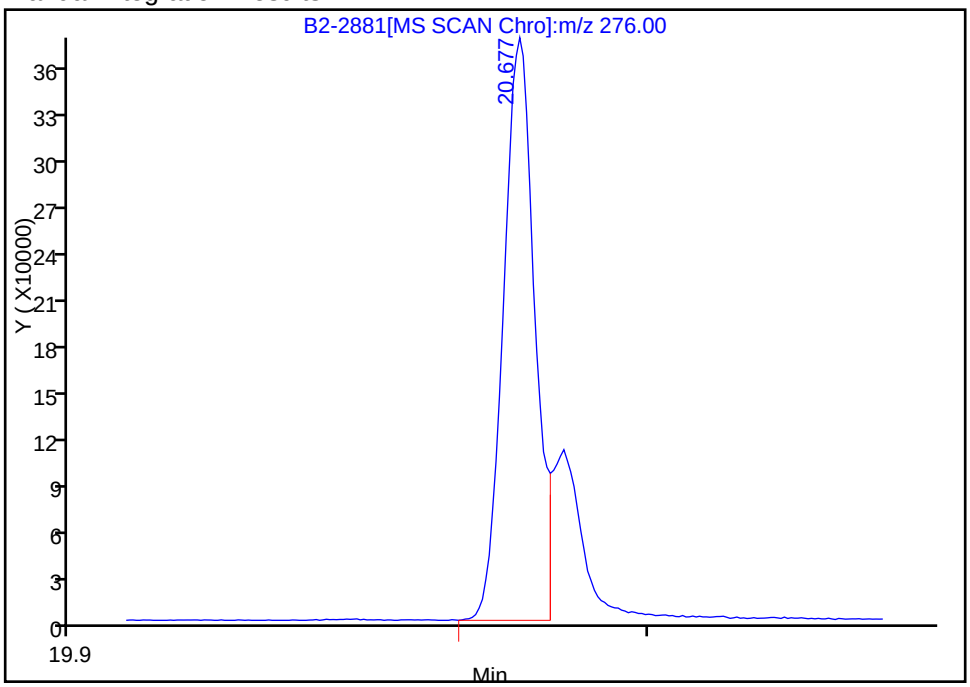
Processing Integration Results

RT: 20.68
Response: 1817994
Amount: 73.436367



Manual Integration Results

RT: 20.68
Response: 1429897
Amount: 57.759509



Reviewer: kiekeld, 01-Nov-2013 09:48:13
Audit Action: Split an Integrated Peak
Audit Reason: Shouldering

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/22/2013 07:38

Analysis Batch Number: 197081 End Date: 10/22/2013 12:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-197081/2		10/22/2013 07:38	1	B2-2654.D	Vf-5MS (30.25) 0.25(mm)
ICIS 280-197081/25		10/22/2013 07:51	1	B2-2655.D	Vf-5MS (30.25) 0.25(mm)
STD004 280-197081/26 IC		10/22/2013 08:21	1	B2-2656.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-197081/27 IC		10/22/2013 08:51	1	B2-2657.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-197081/28 IC		10/22/2013 09:22	1	B2-2658.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-197081/29 IC		10/22/2013 09:52	1	B2-2659.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-197081/30 IC		10/22/2013 10:22	1	B2-2660.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-197081/31 IC		10/22/2013 10:53	1	B2-2661.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-197081/32 IC		10/22/2013 11:23	1	B2-2662.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197081/33		10/22/2013 11:54	1	B2-2663.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197081/34		10/22/2013 12:24	1	B2-2664.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197081/35		10/22/2013 12:55	1	B2-2665.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/22/2013 13:21

Analysis Batch Number: 197087 End Date: 10/22/2013 17:52

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-197087/14		10/22/2013 13:21	1	B2-2666.D	Vf-5MS (30.25) 0.25(mm)
STD080 280-197087/15 IC		10/22/2013 13:34	1	B2-2667.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-197087/16 IC		10/22/2013 14:03	1	B2-2668.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-197087/17 IC		10/22/2013 14:32	1	B2-2669.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-197087/18 IC		10/22/2013 15:01	1	B2-2670.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-197087/19 IC		10/22/2013 15:30	1	B2-2671.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-197087/20 IC		10/22/2013 15:58	1	B2-2672.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-197087/21 IC		10/22/2013 16:27	1	B2-2673.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197087/22		10/22/2013 16:55	1	B2-2674.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197087/23		10/22/2013 17:24	1	B2-2675.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197087/24		10/22/2013 17:52	1	B2-2676.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/22/2013 13:21

Analysis Batch Number: 197309 End Date: 10/22/2013 21:23

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-197309/14		10/22/2013 13:21	1	B2-2666.D	Vf-5MS (30.25) 0.25(mm)
STD080 280-197309/25 IC		10/22/2013 18:21	1	B2-2677.D	Vf-5MS (30.25) 0.25(mm)
STD010 280-197309/26 IC		10/22/2013 18:47	1	B2-2678.D	Vf-5MS (30.25) 0.25(mm)
STD020 280-197309/27 IC		10/22/2013 19:13	1	B2-2679.D	Vf-5MS (30.25) 0.25(mm)
STD050 280-197309/28 IC		10/22/2013 19:39	1	B2-2680.D	Vf-5MS (30.25) 0.25(mm)
STD120 280-197309/29 IC		10/22/2013 20:05	1	B2-2681.D	Vf-5MS (30.25) 0.25(mm)
STD160 280-197309/30 IC		10/22/2013 20:31	1	B2-2682.D	Vf-5MS (30.25) 0.25(mm)
STD200 280-197309/31 IC		10/22/2013 20:57	1	B2-2683.D	Vf-5MS (30.25) 0.25(mm)
ICV 280-197309/32		10/22/2013 21:23	1	B2-2684.D	Vf-5MS (30.25) 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SMS_B2 Start Date: 10/31/2013 11:13

Analysis Batch Number: 198682 End Date: 10/31/2013 23:02

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 280-198682/2		10/31/2013 11:13	1	B2-2863.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-198682/3		10/31/2013 11:26	1	B2-2864.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-198682/28		10/31/2013 11:56	1	B2-2865.D	Vf-5MS (30.25) 0.25(mm)
CCV 280-198682/29		10/31/2013 12:24	1	B2-2866.D	Vf-5MS (30.25) 0.25(mm)
MB 280-198371/1-A		10/31/2013 13:15	1	B2-2868.D	Vf-5MS (30.25) 0.25(mm)
IC 280-198682/30		10/31/2013 13:45	1		Vf-5MS (30.25) 0.25(mm)
LCS 280-198371/2-A		10/31/2013 14:10	1	B2-2870.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 14:40	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 15:09	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 15:39	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 16:08	10		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 16:38	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 17:07	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 17:37	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 18:07	1		Vf-5MS (30.25) 0.25(mm)
280-48486-1	AOI474BF	10/31/2013 18:36	1	B2-2879.D	Vf-5MS (30.25) 0.25(mm)
280-48486-1 MS	AOI474BF MS	10/31/2013 19:06	1	B2-2880.D	Vf-5MS (30.25) 0.25(mm)
280-48486-1 MSD	AOI474BF MSD	10/31/2013 19:35	1	B2-2881.D	Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 20:05	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 20:34	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 21:04	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 21:34	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 22:03	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 22:33	1		Vf-5MS (30.25) 0.25(mm)
ZZZZZ		10/31/2013 23:02	1		Vf-5MS (30.25) 0.25(mm)

GC/MS SVOAContinuing Calibration Review Checklist
Denver

TestAmerica

Instrument ID and Date: **B2 HSL/AP9/BZHD/HEX 103113**

Check Method Used: Analysis ☐ 625 ☒ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Continuing Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Do SPCC RRFs and CCC %Ds meet method criteria?	X			✓	
4. Does %D meet criteria for non-CCC compounds?	X			✓	
5. Isomeric pairs checked for correct peak assignment?	X			✓	
6. Standards traceability properly documented?	X			✓	
7. Manual integrations documented and checked?	X			✓	
8. Do the Internal Standards meet criteria for %D against ICAL?	X			✓	

1st Level Reviewer: _____ Date: 11/01/13

2nd Level Reviewer: MMA Date: 11/1/13

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11/25/2013

Injection Log

Directory: C:\HPCHEM\1\DATA\103113.B

11/01/13

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B2-2862.D	1.	RINSE		31 Oct 2013 10:52
2	1	B2-2863.D	1.	DFTPP		31 Oct 2013 11:13
3	2	B2-2864.D	1.	CCV HSL		31 Oct 2013 11:26
4	3	B2-2865.D	1.	CCV AP9		31 Oct 2013 11:56
5	4	B2-2866.D	1.	CCV BZHD		31 Oct 2013 12:24
6	5	B2-2867.D	1.	IC HEX ewr vial not used		31 Oct 2013 12:50
7	6	B2-2868.D	1.	MB280-198371_1-A		31 Oct 2013 13:15
8	1	B2-2869.D	1.	IC HEX		31 Oct 2013 13:45
9	7	B2-2870.D	1.	LCS280-198371_2-A		31 Oct 2013 14:10
10	8	B2-2871.D	1.	MB280-198070_1-A		31 Oct 2013 14:40
11	9	B2-2872.D	1.	LCS280-198070_2-A		31 Oct 2013 15:09
12	10	B2-2873.D	1.	LCSD280-198070_3-A		31 Oct 2013 15:39
13	11	B2-2874.D	1.	280-48496-C-1		31 Oct 2013 16:08
14	12	B2-2875.D	1.	280-48357-C-1-A		31 Oct 2013 16:38
15	13	B2-2876.D	1.	280-48357-C-2-O		31 Oct 2013 17:07
16	14	B2-2877.D	1.	280-48357-C-3-A		31 Oct 2013 17:37
17	15	B2-2878.D	1.	280-48357-C-4-A		31 Oct 2013 18:07
18	16	B2-2879.D	1.	280-48486-B-1-A		31 Oct 2013 18:36
19	17	B2-2880.D	1.	280-48486-B-1-BMS		31 Oct 2013 19:06
20	18	B2-2881.D	1.	280-48486-B-1-CMSD		31 Oct 2013 19:35
21	19	B2-2882.D	1.	280-48207-A-4-A		31 Oct 2013 20:05
22	20	B2-2883.D	1.	280-48207-A-5-A		31 Oct 2013 20:34
23	21	B2-2884.D	1.	280-48281-A-3-A		31 Oct 2013 21:04
24	22	B2-2885.D	1.	280-48281-B-5-A		31 Oct 2013 21:34
25	23	B2-2886.D	1.	280-48281-A-7-A		31 Oct 2013 22:03
26	24	B2-2887.D	1.	280-48281-B-9-A		31 Oct 2013 22:33
27	25	B2-2888.D	1.	280-48281-B-11-A		31 Oct 2013 23:02
28	98	B2-2889.D	1.	RINSE		31 Oct 2013 23:32
29	99	B2-2890.D	1.	RINSE		1 Nov 2013 00:02
30	100	B2-2891.D	1.	RINSE		1 Nov 2013 00:32
31	98	B2-2892.D	1.	RINSE		1 Nov 2013 01:01
32	99	B2-2893.D	1.	RINSE		1 Nov 2013 01:31
33	100	B2-2894.D	1.	RINSE		1 Nov 2013 02:00

Diluent Solvent Lot# 1114

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: replaced septa, liner, seal, washer, ferrule, cleaned port, cut 10cm col. DDL 11013

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: **B2 AP9 102213**
Calibration Event 16010 Batch 197087

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	Level 1 Yes	Level 1 No	Level 1 N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the CHROM source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			X	NA	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?			X	NA	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?	X			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.		X		→	Isosafrole(Total)= 188.70%R

1st Level Reviewer: _____ Date: 10/23/13

2nd Level Reviewer: MA Date: 10/23/13

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11/25/2013

Directory: C:\HPCHEM\1\DATA\102213.B

Injection Log

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B2-2652.D	1.	RINSE		22 Oct 2013 07:05
2	1	B2-2653.D	1.	DFTPP		22 Oct 2013 07:27
3	1	B2-2654.D	1.	DFTPP		22 Oct 2013 07:38
4	2	B2-2655.D	1.	ICIS HSL		22 Oct 2013 07:51
5	3	B2-2656.D	1.	STD004 HSL		22 Oct 2013 08:21
6	4	B2-2657.D	1.	STD010 HSL		22 Oct 2013 08:51
7	5	B2-2658.D	1.	STD020 HSL		22 Oct 2013 09:22
8	6	B2-2659.D	1.	STD050 HSL		22 Oct 2013 09:52
9	7	B2-2660.D	1.	STD120 HSL		22 Oct 2013 10:22
10	8	B2-2661.D	1.	STD160 HSL		22 Oct 2013 10:53
11	9	B2-2662.D	1.	STD200 HSL		22 Oct 2013 11:23
12	10	B2-2663.D	1.	ICV HSL 1		22 Oct 2013 11:54
13	11	B2-2664.D	1.	ICV HSL 2		22 Oct 2013 12:24
14	12	B2-2665.D	1.	ICV FAM		22 Oct 2013 12:55
15	13	B2-2666.D	1.	DFTPP		22 Oct 2013 13:21
16	14	B2-2667.D	1.	STD080 AP9		22 Oct 2013 13:34
17	15	B2-2668.D	1.	STD010 AP9		22 Oct 2013 14:03
18	16	B2-2669.D	1.	STD020 AP9		22 Oct 2013 14:32
19	17	B2-2670.D	1.	STD050 AP9		22 Oct 2013 15:01
20	18	B2-2671.D	1.	STD120 AP9		22 Oct 2013 15:30
21	19	B2-2672.D	1.	STD160 AP9		22 Oct 2013 15:58
22	20	B2-2673.D	1.	STD200 AP9		22 Oct 2013 16:27
23	21	B2-2674.D	1.	ICV AP9 1		22 Oct 2013 16:55
24	22	B2-2675.D	1.	ICV AP9 2		22 Oct 2013 17:24
25	23	B2-2676.D	1.	ICV AP9 3		22 Oct 2013 17:52
26	24	B2-2677.D	1.	STD080 BZHD		22 Oct 2013 18:21
27	25	B2-2678.D	1.	STD010 BZHD		22 Oct 2013 18:47
28	26	B2-2679.D	1.	STD020 BZHD		22 Oct 2013 19:13
29	27	B2-2680.D	1.	STD050 BZHD		22 Oct 2013 19:39
30	28	B2-2681.D	1.	STD120 BZHD		22 Oct 2013 20:05
31	29	B2-2682.D	1.	STD160 BZHD		22 Oct 2013 20:31
32	30	B2-2683.D	1.	STD200 BZHD		22 Oct 2013 20:57
33	31	B2-2684.D	1.	ICV BZHD		22 Oct 2013 21:23
34	32	B2-2685.D	1.	STD080 PHE		22 Oct 2013 21:49
35	33	B2-2686.D	1.	STD010 PHE		22 Oct 2013 22:15
36	34	B2-2687.D	1.	STD020 PHE		22 Oct 2013 22:41
37	35	B2-2688.D	1.	STD050 PHE		22 Oct 2013 23:07
38	36	B2-2689.D	1.	STD120 PHE		22 Oct 2013 23:32
39	37	B2-2690.D	1.	STD160 PHE		22 Oct 2013 23:58
40	38	B2-2691.D	1.	STD200 PHE		23 Oct 2013 00:24
41	39	B2-2692.D	1.	ICV PHE		23 Oct 2013 00:50
42		B2-2693.D	1.			

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11/25/2013

Diluent Solvent Lot# N/A .

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: replaced septa, liner, seal, washer, ferrule, cleaned port, cut 30cm off 92

N/A DDL 102313

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: **B2 Benzaldehyde 102213**
Calibration Event 16011 Batch 197309

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the CHROM source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?	X			✓	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?			X	NA	
9. Isomeric pairs checked for correct peak assignment?			X	NA	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?			X	NA	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X			✓	

1st Level Reviewer: _____ Date: 10/23/13

2nd Level Reviewer: MH Date: 10/23/13

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11/25/2013

Directory: C:\HPCHEM\1\DATA\102213.B

Injection Log

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B2-2652.D	1.	RINSE		22 Oct 2013 07:05
2	1	B2-2653.D	1.	DFTPP		22 Oct 2013 07:27
3	1	B2-2654.D	1.	DFTPP		22 Oct 2013 07:38
4	2	B2-2655.D	1.	ICIS HSL		22 Oct 2013 07:51
5	3	B2-2656.D	1.	STD004 HSL		22 Oct 2013 08:21
6	4	B2-2657.D	1.	STD010 HSL		22 Oct 2013 08:51
7	5	B2-2658.D	1.	STD020 HSL		22 Oct 2013 09:22
8	6	B2-2659.D	1.	STD050 HSL		22 Oct 2013 09:52
9	7	B2-2660.D	1.	STD120 HSL		22 Oct 2013 10:22
10	8	B2-2661.D	1.	STD160 HSL		22 Oct 2013 10:53
11	9	B2-2662.D	1.	STD200 HSL		22 Oct 2013 11:23
12	10	B2-2663.D	1.	ICV HSL 1		22 Oct 2013 11:54
13	11	B2-2664.D	1.	ICV HSL 2		22 Oct 2013 12:24
14	12	B2-2665.D	1.	ICV FAM		22 Oct 2013 12:55
15	13	B2-2666.D	1.	DFTPP		22 Oct 2013 13:21
16	14	B2-2667.D	1.	STD080 AP9		22 Oct 2013 13:34
17	15	B2-2668.D	1.	STD010 AP9		22 Oct 2013 14:03
18	16	B2-2669.D	1.	STD020 AP9		22 Oct 2013 14:32
19	17	B2-2670.D	1.	STD050 AP9		22 Oct 2013 15:01
20	18	B2-2671.D	1.	STD120 AP9		22 Oct 2013 15:30
21	19	B2-2672.D	1.	STD160 AP9		22 Oct 2013 15:58
22	20	B2-2673.D	1.	STD200 AP9		22 Oct 2013 16:27
23	21	B2-2674.D	1.	ICV AP9 1		22 Oct 2013 16:55
24	22	B2-2675.D	1.	ICV AP9 2		22 Oct 2013 17:24
25	23	B2-2676.D	1.	ICV AP9 3		22 Oct 2013 17:52
26	24	B2-2677.D	1.	STD080 BZHD		22 Oct 2013 18:21
27	25	B2-2678.D	1.	STD010 BZHD		22 Oct 2013 18:47
28	26	B2-2679.D	1.	STD020 BZHD		22 Oct 2013 19:13
29	27	B2-2680.D	1.	STD050 BZHD		22 Oct 2013 19:39
30	28	B2-2681.D	1.	STD120 BZHD		22 Oct 2013 20:05
31	29	B2-2682.D	1.	STD160 BZHD		22 Oct 2013 20:31
32	30	B2-2683.D	1.	STD200 BZHD		22 Oct 2013 20:57
33	31	B2-2684.D	1.	ICV BZHD		22 Oct 2013 21:23
34	32	B2-2685.D	1.	STD080 PHE		22 Oct 2013 21:49
35	33	B2-2686.D	1.	STD010 PHE		22 Oct 2013 22:15
36	34	B2-2687.D	1.	STD020 PHE		22 Oct 2013 22:41
37	35	B2-2688.D	1.	STD050 PHE		22 Oct 2013 23:07
38	36	B2-2689.D	1.	STD120 PHE		22 Oct 2013 23:32
39	37	B2-2690.D	1.	STD160 PHE		22 Oct 2013 23:58
40	38	B2-2691.D	1.	STD200 PHE		23 Oct 2013 00:24
41	39	B2-2692.D	1.	ICV PHE		23 Oct 2013 00:50
42		B2-2693.D	1.			

Diluent Solvent Lot# N/A .

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: replaced septa, liner, seal, washer, ferrule, cleaned port, cut 30cm off N/A DCL 102313

TestAmerica Denver
GC/MS SVOA Initial Calibration Review Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Instrument ID and Date: **B2 HSL 102213**
Calibration Event 16008 Batch 197081

Check Method Used: Analysis ☐ 625 ☐ 8270 ☐ Other SV _____

Review Items	----- Level 1 ----- Yes	No	N/A	Level 2	Comments
Initial Calibration					
1. DFTPP meets criteria?	X			✓	
2. ICAL date and instrument ID verified?	X			✓	
3. Does the Form VI match the data in the CHROM source method?	X			✓	
4. Sufficient number of calibration points used?	X			✓	
5. Reasons for removal of points documented?	X			✓	Some points < RL removed
6. %RSD or correlation coefficient within method limits?	X			✓	
7. If RRF used for ICAL, were all compounds within 15% RSD?			X	NA	List all exceptions below (cpd & RSD)
8. Response factors meet criteria?	X			✓	
9. Isomeric pairs checked for correct peak assignment?	X			✓	
10. Data checked for detector saturation?	X			✓	
11. Standards traceability properly documented?	X			✓	
12. Manual integrations documented and checked?	X			✓	
13. 2nd source ICV recovery 75-125% (±25%drift)for DoD projects, 65-135% (±35%,or ±55% of expected for poor performers) for non-DoD? Exceptions noted in comment section.	X				

1st Level Reviewer: _____ Date: 10/23/13

2nd Level Reviewer: _____ Date: 10/23/13

Injection Log

Directory: C:\HPCHEM\1\DATA\102213.B

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	100	B2-2652.D	1.	RINSE		22 Oct 2013 07:05
2	1	B2-2653.D	1.	DFTPP		22 Oct 2013 07:27
3	1	B2-2654.D	1.	DFTPP		22 Oct 2013 07:38
4	2	B2-2655.D	1.	ICIS HSL		22 Oct 2013 07:51
5	3	B2-2656.D	1.	STD004 HSL		22 Oct 2013 08:21
6	4	B2-2657.D	1.	STD010 HSL		22 Oct 2013 08:51
7	5	B2-2658.D	1.	STD020 HSL		22 Oct 2013 09:22
8	6	B2-2659.D	1.	STD050 HSL		22 Oct 2013 09:52
9	7	B2-2660.D	1.	STD120 HSL		22 Oct 2013 10:22
10	8	B2-2661.D	1.	STD160 HSL		22 Oct 2013 10:53
11	9	B2-2662.D	1.	STD200 HSL		22 Oct 2013 11:23
12	10	B2-2663.D	1.	ICV HSL 1		22 Oct 2013 11:54
13	11	B2-2664.D	1.	ICV HSL 2		22 Oct 2013 12:24
14	12	B2-2665.D	1.	ICV FAM		22 Oct 2013 12:55
15	13	B2-2666.D	1.	DFTPP		22 Oct 2013 13:21
16	14	B2-2667.D	1.	STD080 AP9		22 Oct 2013 13:34
17	15	B2-2668.D	1.	STD010 AP9		22 Oct 2013 14:03
18	16	B2-2669.D	1.	STD020 AP9		22 Oct 2013 14:32
19	17	B2-2670.D	1.	STD050 AP9		22 Oct 2013 15:01
20	18	B2-2671.D	1.	STD120 AP9		22 Oct 2013 15:30
21	19	B2-2672.D	1.	STD160 AP9		22 Oct 2013 15:58
22	20	B2-2673.D	1.	STD200 AP9		22 Oct 2013 16:27
23	21	B2-2674.D	1.	ICV AP9 1		22 Oct 2013 16:55
24	22	B2-2675.D	1.	ICV AP9 2		22 Oct 2013 17:24
25	23	B2-2676.D	1.	ICV AP9 3		22 Oct 2013 17:52
26	24	B2-2677.D	1.	STD080 BZHD		22 Oct 2013 18:21
27	25	B2-2678.D	1.	STD010 BZHD		22 Oct 2013 18:47
28	26	B2-2679.D	1.	STD020 BZHD		22 Oct 2013 19:13
29	27	B2-2680.D	1.	STD050 BZHD		22 Oct 2013 19:39
30	28	B2-2681.D	1.	STD120 BZHD		22 Oct 2013 20:05
31	29	B2-2682.D	1.	STD160 BZHD		22 Oct 2013 20:31
32	30	B2-2683.D	1.	STD200 BZHD		22 Oct 2013 20:57
33	31	B2-2684.D	1.	ICV BZHD		22 Oct 2013 21:23
34	32	B2-2685.D	1.	STD080 PHE		22 Oct 2013 21:49
35	33	B2-2686.D	1.	STD010 PHE		22 Oct 2013 22:15
36	34	B2-2687.D	1.	STD020 PHE		22 Oct 2013 22:41
37	35	B2-2688.D	1.	STD050 PHE		22 Oct 2013 23:07
38	36	B2-2689.D	1.	STD120 PHE		22 Oct 2013 23:32
39	37	B2-2690.D	1.	STD160 PHE		22 Oct 2013 23:58
40	38	B2-2691.D	1.	STD200 PHE		23 Oct 2013 00:24
41	39	B2-2692.D	1.	ICV PHE		23 Oct 2013 00:50
42		B2-2693.D	1.			

Diluent Solvent Lot# N/A .

Circle: SOP: DV-MS-0011 (8270C/625) or DV-MS-0002 (PAH SIM) or DV-MS-0005 (PAH for CSLP)

Daily Maintenance Performed: replaced septa, liner, seal, washer, ferrule, cleaned, cut 30cm off 92
N/A DCL 102313

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198371 Batch Start Date: 10/29/13 21:40 Batch Analyst: Jones, Brad W

Batch Method: 3550C Batch End Date: 10/30/13 09:55

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	8270_LCS_Main 00004	8270_LCS_Supp 00025	8270Surrogate 00064
MB 280-198371/1		3550C, 8270D/DoD		CALC NOT SET TO RUN	32.8 g	1000 uL			1 mL
LCS 280-198371/2		3550C, 8270D/DoD		CALC NOT SET TO RUN	32.0 g	1000 uL	1 mL	1 mL	1 mL
280-48486-B-1	AOI474BF	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	31.0 g	1000 uL			1 mL
280-48486-B-1 MS	AOI474BF	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	31.0 g	1000 uL	1 mL	1 mL	1 mL
280-48486-B-1 MSD	AOI474BF	3550C, 8270D/DoD	T	CALC NOT SET TO RUN	30.3 g	1000 uL	1 mL	1 mL	1 mL

Batch Notes	
Balance ID	24750402
Batch Comment	DV-OP-0016/0007
Blank Soil Lot Number	2BI0314
Person's name who did the concentration	Adams, A./ Scoles, B.
Na2SO4 Lot Number	K10624_00002
Nominal Amount Used	30 g
Prep Solvent Lot #	MeCl2_Cycl_00130 / 1:1AceMeCl2_00034
Prep Solvent Name	MeCl2/ 1:1AceMeCl2
Prep Solvent Volume Used	300 mL
Person's name who did the prep	Jones, B / Wooley, M (trainee)
Person's name who witnessed reagent drop	Reviewer: CDC
Analyst who added reagent	S/S: Jones, B Pipette:E
Perform Calculation (0=No, 1=Yes)	0
Uncorrected In Temperature	88 Degrees C
Vendor of Reagent used	Baker
Water Bath ID	B
Water Bath Temperature	88 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8081B

Organochlorine Pesticides (GC) by Method 8081B

FORM II
GC SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP1 ID: 0.32 (mm) GC Column (2): CLP2 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	TCX2 #	DCB1 #	DCB2 #
AOI474BF	280-48486-1	85	97	86	89
	MB 280-198319/1-A	88	98	96	99
	LCS 280-198319/2-A	90	114	104	101
	LCS 280-198319/3-A	99		109	

	QC LIMITS
TCX = Tetrachloro-m-xylene	70-125
DCB = DCB Decachlorobiphenyl	55-130

Column to be used to flag recovery values

FORM II 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 11010043.D

Lab ID: LCS 280-198319/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
4,4'-DDD	16.7	18.1	108	30-135	
4,4'-DDE	16.7	17.2	103	70-125	
4,4'-DDT	16.7	17.3	104	45-140	
Aldrin	16.7	16.6	100	45-140	
alpha-BHC	16.7	16.3	98	60-125	
alpha-Chlordane	16.7	16.8	101	65-120	
beta-BHC	16.7	15.9	95	60-125	
delta-BHC	16.7	16.2	97	55-130	
Dieldrin	16.7	17.2	103	65-125	
Endosulfan I	16.7	16.1	97	15-135	
Endosulfan II	16.7	16.9	101	35-140	
Endosulfan sulfate	16.7	18.3	110	60-135	
Endrin	16.7	17.9	107	60-135	
Endrin aldehyde	16.7	14.8	89	54-115	
Endrin ketone	16.7	17.6	106	65-135	
gamma-BHC (Lindane)	16.7	16.1	97	60-125	
gamma-Chlordane	16.7	17.3	104	65-125	
Heptachlor	16.7	15.9	95	50-140	
Heptachlor epoxide	16.7	17.1	103	65-130	
Methoxychlor	16.7	17.0	102	55-145	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM III
GC SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 11010042.D

Lab ID: LCS 280-198319/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Toxaphene	66.0	69.8 J	106	51-139	

Column to be used to flag recovery and RPD values

FORM III 8081B

FORM IV
GC SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: MB 280-198319/1-A

Matrix: Solid Date Extracted: 10/29/2013 18:50

Lab File ID:(1) 11010041.D Lab File ID:(2) 11010041.D

Date Analyzed:(1) 11/01/2013 21:43 Date Analyzed:(2) 11/01/2013 21:43

Instrument ID:(1) SGC_P2 Instrument ID:(2) SGC_P2

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-198319/3-A	11/01/2013 22:00	
	LCS 280-198319/2-A	11/01/2013 22:16	11/01/2013 22:16
AOI474BF	280-48486-1	11/02/2013 03:28	11/02/2013 03:28

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198855/10 Date Analyzed: 11/01/2013 12:55

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 11010010.D Heated Purge: (Y/N) N

Calibration ID: 15953

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.84	9.08	
UPPER LIMIT				3.85	9.09	
LOWER LIMIT				3.83	9.07	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198855/10		11/01/2013 12:55	11010010.D	3.84	9.08	
CCV 280-198855/38		11/01/2013 20:54	11010038.D	3.85	9.08	
MB 280-198319/1-A		11/01/2013 21:43	11010041.D	3.85	9.08	
LCS 280-198319/3-A		11/01/2013 22:00	11010042.D	3.85	9.08	
LCS 280-198319/2-A		11/01/2013 22:16	11010043.D	3.85	9.08	
CCV 280-198855/51		11/02/2013 00:27	11010051.D	3.85	9.08	
280-48486-1	AOI474BF	11/02/2013 03:28	11010062.D	3.84	9.08	
CCV 280-198855/64		11/02/2013 04:01	11010064.D	3.84	9.08	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM VIII
GC SEMI VOA ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198855/10 Date Analyzed: 11/01/2013 12:55

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 11010010.D Heated Purge: (Y/N) N

Calibration ID: 15954

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.80	9.33	
UPPER LIMIT				3.81	9.34	
LOWER LIMIT				3.79	9.32	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198855/10		11/01/2013 12:55	11010010.D	3.80	9.33	
CCV 280-198855/38		11/01/2013 20:54	11010038.D	3.80	9.33	
MB 280-198319/1-A		11/01/2013 21:43	11010041.D	3.80	9.33	
LCS 280-198319/2-A		11/01/2013 22:16	11010043.D	3.80	9.33	
CCV 280-198855/51		11/02/2013 00:27	11010051.D	3.80	9.33	
280-48486-1	AOI474BF	11/02/2013 03:28	11010062.D	3.80	9.33	
CCV 280-198855/64		11/02/2013 04:01	11010064.D	3.80	9.33	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.01 minutes of surrogate RT
DCB RT Limit = ± 0.01 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8081B

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF Lab Sample ID: 280-48486-1

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 11/02/2013 03:28 Date Analyzed (2): 11/02/2013 03:28

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
4,4'-DDE	1		6.32	6.31	6.33	0.86		9.8
	2		6.44	6.43	6.45	0.78		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198319/2-A

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 11/01/2013 22:16 Date Analyzed (2): 11/01/2013 22:16

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
alpha-BHC	1		4.42	4.41	4.43	16.3		7.0
	2		4.43	4.42	4.44	17.5		
gamma-BHC (Lindane)	1		4.71	4.70	4.72	16.1		6.2
	2		4.74	4.73	4.75	17.2		
beta-BHC	1		4.79	4.78	4.80	15.9		7.8
	2		4.82	4.81	4.83	17.1		
delta-BHC	1		4.94	4.93	4.95	16.2		8.0
	2		5.05	5.04	5.06	17.6		
Heptachlor	1		5.12	5.11	5.13	15.9		7.5
	2		5.09	5.08	5.10	17.1		
Aldrin	1		5.38	5.37	5.39	16.6		6.3
	2		5.36	5.35	5.37	17.7		
Heptachlor epoxide	1		5.96	5.95	5.97	17.1		4.8
	2		5.91	5.90	5.92	17.9		
gamma-Chlordane	1		6.10	6.09	6.11	17.3		11.5
	2		6.10	6.09	6.11	19.4		
alpha-Chlordane	1		6.24	6.23	6.25	16.8		5.4
	2		6.26	6.25	6.27	17.8		
4,4'-DDE	1		6.32	6.31	6.33	17.2		5.6
	2		6.44	6.43	6.45	18.2		
Endosulfan I	1		6.38	6.37	6.39	16.1		3.6
	2		6.32	6.31	6.33	16.7		
Dieldrin	1		6.63	6.62	6.64	17.2		3.6
	2		6.60	6.59	6.61	17.9		
Endrin	1		6.86	6.85	6.87	17.9		3.0
	2		6.90	6.89	6.91	18.4		
4,4'-DDD	1		6.92	6.91	6.93	18.1		0.3
	2		7.02	7.01	7.03	18.0		
Endosulfan II	1		7.08	7.07	7.09	16.9		2.2
	2		7.11	7.10	7.12	17.3		
4,4'-DDT	1		7.20	7.19	7.21	17.3		0.9
	2		7.32	7.31	7.33	17.5		
Endrin aldehyde	1		7.49	7.48	7.50	14.8		3.3
	2		7.44	7.43	7.45	15.3		
Methoxychlor	1		7.66	7.65	7.67	17.0		1.6
	2		7.97	7.96	7.98	17.3		
Endosulfan sulfate	1		7.90	7.89	7.91	18.3		5.1
	2		7.70	7.69	7.71	17.3		
Endrin ketone	1		8.16	8.15	8.17	17.6		4.3
	2		8.19	8.18	8.20	16.9		

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198319/3-A

Instrument ID (1): SGC_P2 Instrument ID (2): SGC_P2

Date Analyzed (1): 11/01/2013 22:00 Date Analyzed (2):

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		
				FROM	TO	PEAK	MEAN	
Toxaphene	1	1	6.23	6.22	6.26	77.7	69.8	
		2	6.72	6.70	6.74	53.4		
		3	7.41	7.39	7.43	88.3		
		4	7.81	7.79	7.83	60.8		
		5	8.14	8.12	8.16	68.7		

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: 11010062.D

Analysis Method: 8081B | Date Collected: 10/25/2013 11:00

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.1(g) | Date Analyzed: 11/02/2013 03:28

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.77	U	1.9	0.77	0.61
72-55-9	4,4'-DDE	0.86	J	1.9	0.51	0.26
50-29-3	4,4'-DDT	0.77	U	2.2	0.77	0.65
309-00-2	Aldrin	0.51	U	1.9	0.51	0.28
319-84-6	alpha-BHC	0.51	U	1.9	0.51	0.24
5103-71-9	alpha-Chlordane	0.51	U	1.9	0.51	0.36
319-85-7	beta-BHC	0.77	U	1.9	0.77	0.74
319-86-8	delta-BHC	0.77	U	1.9	0.77	0.44
60-57-1	Dieldrin	0.51	U	1.9	0.51	0.23
959-98-8	Endosulfan I	0.51	U	1.9	0.51	0.20
33213-65-9	Endosulfan II	0.51	U	1.9	0.51	0.32
1031-07-8	Endosulfan sulfate	0.51	U	1.9	0.51	0.31
72-20-8	Endrin	0.51	U	1.9	0.51	0.34
7421-93-4	Endrin aldehyde	0.51	U	1.9	0.51	0.19
53494-70-5	Endrin ketone	0.77	U	1.9	0.77	0.54
58-89-9	gamma-BHC (Lindane)	0.77	U	1.9	0.77	0.51
5103-74-2	gamma-Chlordane	0.77	U	1.9	0.77	0.30
76-44-8	Heptachlor	0.51	U	1.9	0.51	0.24
1024-57-3	Heptachlor epoxide	0.77	U	1.9	0.77	0.47
72-43-5	Methoxychlor	0.77	U	3.7	0.77	0.50
8001-35-2	Toxaphene	30	U Q	190	30	18

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	86		55-130
877-09-8	Tetrachloro-m-xylene	85		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010062.D		
Lims ID:	280-48486-A-1-A	Client ID:	AOI474BF
Inject. Date:	02-Nov-2013 03:28:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-48486-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	198855	Lims Sample ID:	62
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:46	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		
First Level Reviewer: wellsd		Date:	04-Nov-2013 06:35:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.844	3.843	0.001	22228478	17.1			
2	2	3.800	3.799	0.001	68756408	19.4			
						RPD = 12.61			
10 alpha-BHC									
1	-65		4.420						
2	2		4.426						
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									
1	100		4.790						
2	2		4.816						
13 delta-BHC									
1	100	4.937	4.939	-0.002	343241	0.4411			
2	2	5.046	5.050	-0.004	821379	-0.2197			
						RPD = 596.88			
15 Heptachlor									
1	100	5.105	5.115	-0.010	792587	0.4200			
2	2	5.100	5.091	0.009	248707	-0.7904			
						RPD = -653.62			
16 Aldrin									
1	-65		5.377						
2	2		5.361						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		6.096						
2	2		6.103						
20 Toxaphene									
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	3417195	2.32			
2	2	6.436	6.436	0.000	6977364	2.10			
						RPD = 9.83			
26 Endosulfan I									
1	100		6.380						
2	2		6.315						
28 Dieldrin									
1	100	6.621	6.625	-0.004	347381	0.1628			
2	2	6.605	6.596	0.009	7626460	2.25			
						RPD = 173.00			
30 Endrin									
1	-65		6.860						
2	2		6.902						
32 4,4'-DDD									
1	100	6.919	6.922	-0.003	361239	0.2933			
2	2	7.016	7.018	-0.002	1134164	0.0982			
						RPD = 99.63			
34 Endosulfan II									
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	1510110	1.35			
2	2	7.322	7.321	0.001	4949859	2.34			
						RPD = 53.53			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									1
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	21338246	17.3			
2	2	9.333	9.333	0.000	24577299	17.8			
						RPD = 2.83			

QC Flag Legend

Processing Flags
1 - Missing Peaks

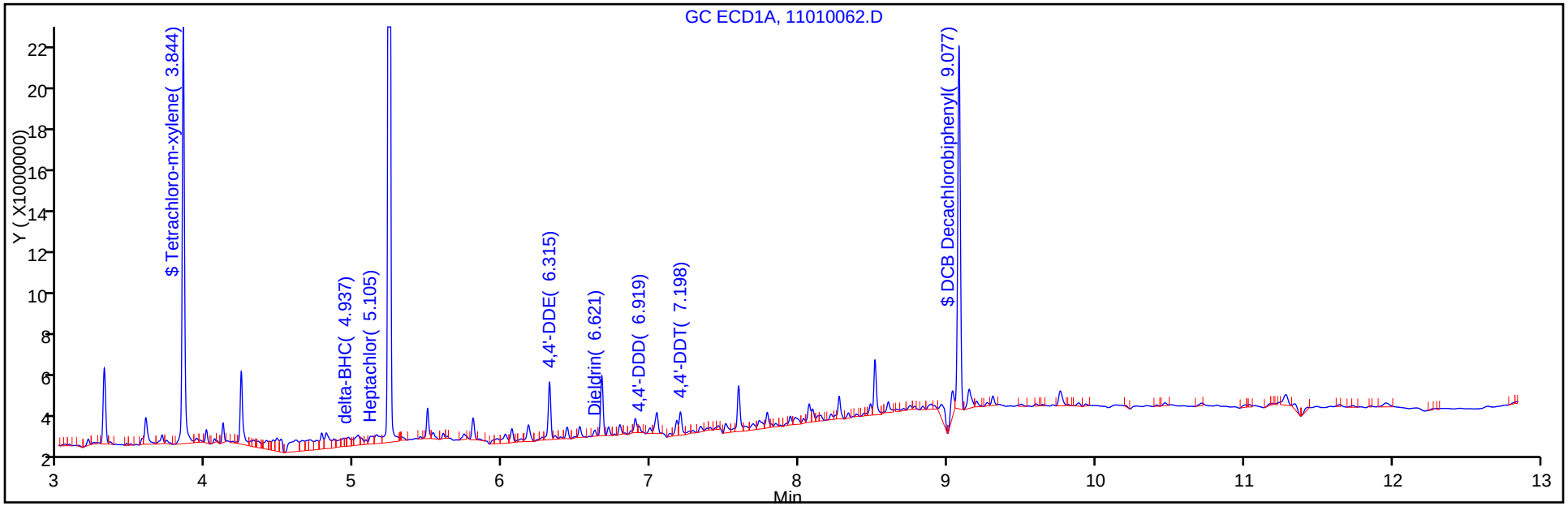
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TestAmerica Denver

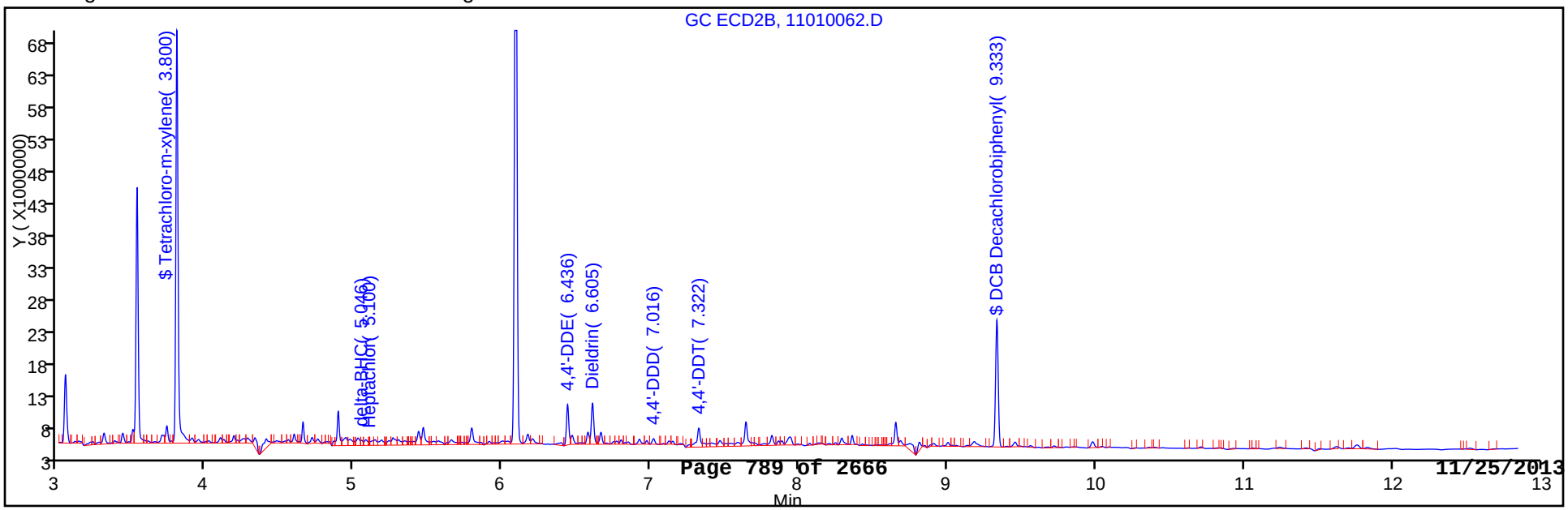
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Injection Date:	02-Nov-2013 03:28:23	Limit Group:	GCSV - 8081A
Client ID:	AOI474BF	Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	62
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF Lab Sample ID: 280-48486-1

Matrix: Solid Lab File ID: 11010062.D

Analysis Method: 8081B Date Collected: 10/25/2013 11:00

Extraction Method: 3546 Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.1(g) Date Analyzed: 11/02/2013 03:28

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

% Moisture: 10.1 GPC Cleanup:(Y/N) N

Analysis Batch No.: 198855 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		55-130
877-09-8	Tetrachloro-m-xylene	97		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010062.D		
Lims ID:	280-48486-A-1-A	Client ID:	AOI474BF
Inject. Date:	02-Nov-2013 03:28:23	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-48486-A-1-A		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	55
Lims Batch ID:	198855	Lims Sample ID:	62
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:46	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:35:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.844	3.843	0.001	22228478	17.1			
2	2	3.800	3.799	0.001	68756408	19.4			
						RPD = 12.61			
10 alpha-BHC									
1	-65		4.420						
2	2		4.426						
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									
1	100		4.790						
2	2		4.816						
13 delta-BHC									
1	100	4.937	4.939	-0.002	343241	0.4411			
2	2	5.046	5.050	-0.004	821379	-0.2197			
						RPD = 596.88			
15 Heptachlor									
1	100	5.105	5.115	-0.010	792587	0.4200			
2	2	5.100	5.091	0.009	248707	-0.7904			
						RPD = -653.62			
16 Aldrin									
1	-65		5.377						
2	2		5.361						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									
1	-65		6.096						
2	2		6.103						
20 Toxaphene									
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	3417195	2.32			
2	2	6.436	6.436	0.000	6977364	2.10			
						RPD = 9.83			
26 Endosulfan I									
1	100		6.380						
2	2		6.315						
28 Dieldrin									
1	100	6.621	6.625	-0.004	347381	0.1628			
2	2	6.605	6.596	0.009	7626460	2.25			
						RPD = 173.00			
30 Endrin									
1	-65		6.860						
2	2		6.902						
32 4,4'-DDD									
1	100	6.919	6.922	-0.003	361239	0.2933			
2	2	7.016	7.018	-0.002	1134164	0.0982			
						RPD = 99.63			
34 Endosulfan II									
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	1510110	1.35			
2	2	7.322	7.321	0.001	4949859	2.34			
						RPD = 53.53			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									1
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	21338246	17.3			
2	2	9.333	9.333	0.000	24577299	17.8			
						RPD = 2.83			

QC Flag Legend

Processing Flags
1 - Missing Peaks

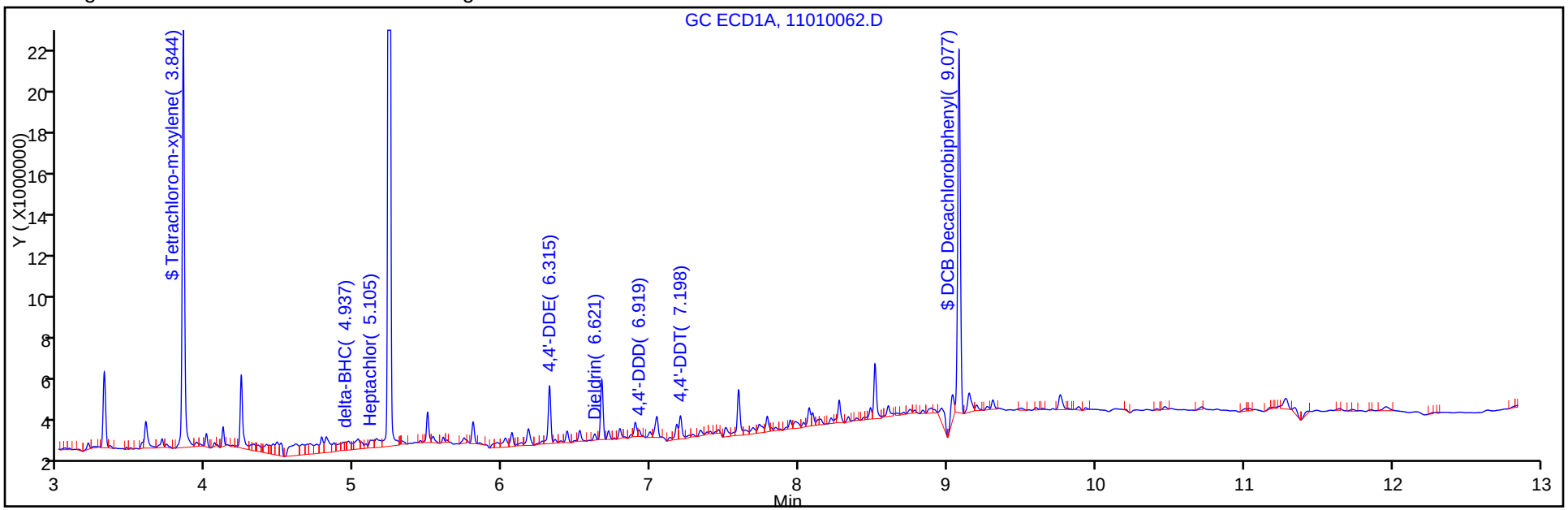
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TestAmerica Denver

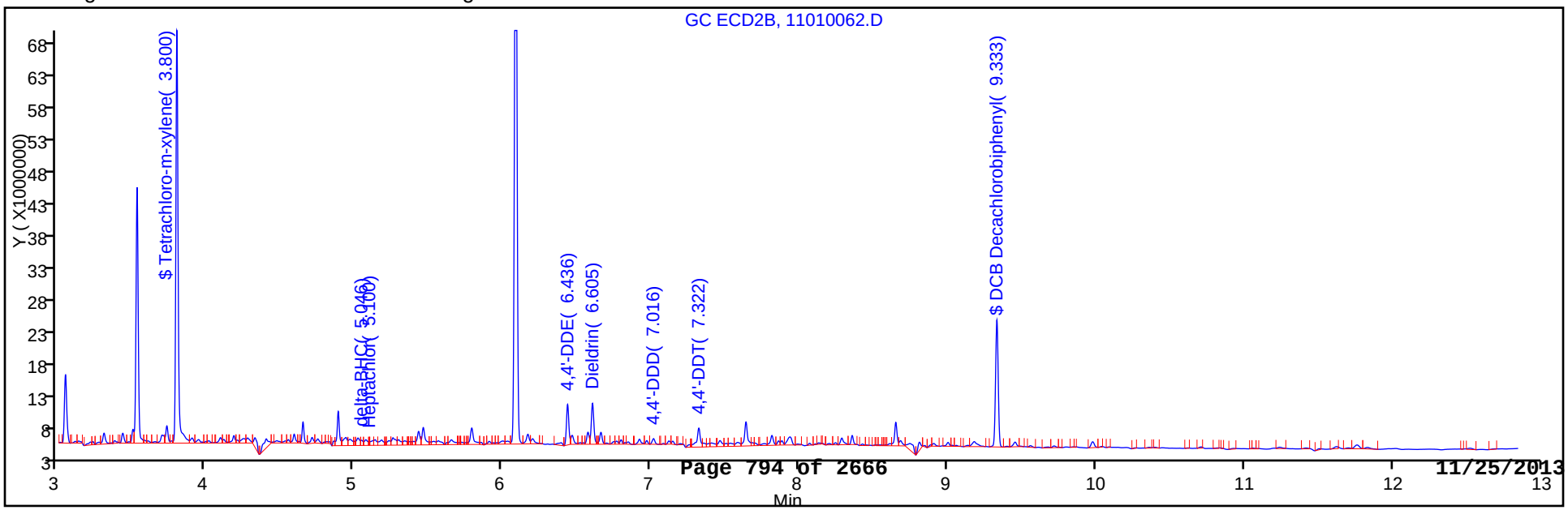
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010062.D

Injection Date:	02-Nov-2013 03:28:23	Limit Group:	GCSV - 8081A
Client ID:	AOI474BF	Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	62
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.252	4.251	4.252	4.251	4.253	4.252					4.241 - 4.261	4.252
alpha-BHC	4.420	4.420	4.421	4.421	4.421	4.420					4.411 - 4.431	4.421
gamma-BHC (Lindane)	4.712	4.712	4.712	4.712	4.713	4.712					4.702 - 4.722	4.712
beta-BHC	4.790	4.789	4.791	4.789	4.790	4.789					4.779 - 4.799	4.790
delta-BHC	4.939	4.939	4.939	4.939	4.940	4.938					4.929 - 4.949	4.939
Heptachlor	5.115	5.114	5.116	5.115	5.115	5.114					5.105 - 5.125	5.115
Aldrin	5.377	5.376	5.377	5.376	5.377	5.376					5.366 - 5.386	5.377
Isodrin	5.689	5.689	5.689	5.688	5.690	5.688					5.678 - 5.698	5.689
Heptachlor epoxide	5.964	5.963	5.964	5.963	5.964	5.963					5.953 - 5.973	5.964
gamma-Chlordane	6.097	6.095	6.097	6.096	6.096	6.096					6.086 - 6.106	6.096
alpha-Chlordane	6.237	6.237	6.238	6.237	6.238	6.238					6.227 - 6.247	6.238
4,4'-DDE	6.317	6.315	6.317	6.316	6.316	6.315					6.306 - 6.326	6.316
Endosulfan I	6.380	6.379	6.380	6.379	6.380	6.380					6.369 - 6.389	6.380
Dieldrin	6.626	6.625	6.626	6.626	6.626	6.626					6.616 - 6.636	6.626
Endrin	6.861	6.860	6.861	6.861	6.861	6.861					6.851 - 6.871	6.861
4,4'-DDD	6.923	6.922	6.923	6.922	6.923	6.923					6.912 - 6.932	6.923
Endosulfan II	7.082	7.081	7.083	7.081	7.082	7.083					7.071 - 7.091	7.082
4,4'-DDT	7.200	7.199	7.201	7.199	7.200	7.199					7.189 - 7.209	7.200
Endrin aldehyde	7.489	7.488	7.490	7.488	7.490	7.489					7.478 - 7.498	7.489
Methoxychlor	7.661	7.660	7.661	7.660	7.660	7.661					7.650 - 7.670	7.661
Mirex	7.808	7.808	7.810	7.807	7.809	7.808					7.797 - 7.817	7.808
Endosulfan sulfate	7.900	7.899	7.901	7.899	7.900	7.900					7.889 - 7.909	7.900
Endrin ketone	8.161	8.160	8.162	8.161	8.162	8.162					8.151 - 8.171	8.161
Tetrachloro-m-xylene	3.842	3.842	3.842	3.842	3.843	3.842					3.832 - 3.852	3.842
DCB Decachlorobiphenyl	9.080	9.079	9.080	9.078	9.080	9.079					9.068 - 9.088	9.079

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	1742247 1619085	1652781 1624237	1697204	1619102	Lin2	459800.758	1625901.28							1.0000		0.9900
alpha-BHC	1788028 1900531	1782792 1933635	1941124	1897268	Lin2	-608729.17	1917859.85							0.9990		0.9900
gamma-BHC (Lindane)	1669216 1706252	1626302 1734822	1757410	1709982	Lin2	-285776.87	1721303.26							0.9990		0.9900
beta-BHC	793344 695913	715170 706028	732690	702210	Lin2	361364.900	698127.288							0.9990		0.9900
delta-BHC	1661836 1733939	1645182 1761651	1782590	1735606	Lin2	-429214.38	1751132.76							0.9990		0.9900
Heptachlor	1525254 1459048	1461370 1469578	1538317	1480655	Lin2	172411.694	1476585.05							0.9990		0.9900
Aldrin	1589120 1617025	1558176 1624079	1663559	1613745	Lin2	-192329.19	1624840.98							0.9990		0.9900
Isodrin	1399539 1343748	1337040 1344344	1401336	1348012	Lin2	175169.778	1349685.43							1.0000		0.9900
Heptachlor epoxide	1487487 1388746	1406426 1388717	1469898	1403891	Lin2	336720.312	1399875.63							0.9990		0.9900
gamma-Chlordane	1498390 1472170	1434344 1488876	1517587	1472703	Lin2	24834.7497	1478884.90							0.9990		0.9900
alpha-Chlordane	1496692 1433290	1416956 1448408	1488198	1435213	Lin2	184153.249	1439826.27							0.9990		0.9900
4,4'-DDE	1509356 1523582	1470572 1534232	1563585	1520582	Lin2	-133311.39	1529946.15							1.0000		0.9900
Endosulfan I	1449081 1341772	1375910 1341070	1422259	1358482	Lin2	381839.831	1353851.74							0.9990		0.9900
Dieldrin	1527649 1482331	1468509 1486704	1551270	1494885	Lin2	104029.713	1494378.15							0.9990		0.9900
Endrin	1335250 1310982	1280295 1330059	1348209	1326058	Lin2	6623.35332	1321330.38							1.0000		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	1171695 1151631	1127445 1158937	1187621	1158074	Lin2	21717.5353	1157665.43							1.0000		0.9900
Endosulfan II	1284901 1219961	1235727 1219977	1292279	1240033	Lin2	197863.016	1234522.93							0.9990		0.9900
4,4'-DDT	1139070 1134556	1104490 1141465	1161358	1133238	Lin2	-28919.166	1137784.73							1.0000		0.9900
Endrin aldehyde	1161974 1042280	1083529 1040903	1117327	1051415	Lin2	451117.709	1050323.95							0.9990		0.9900
Methoxychlor	634160 546437	586738 541614	580716	551923	Lin2	359318.141	547646.911							1.0000		0.9900
Mirex	1074376 905255	978346 904270	966009	916648	Lin2	680862.914	908310.544							1.0000		0.9900
Endosulfan sulfate	1242504 1127892	1168047 1132124	1195945	1140889	Lin2	422157.763	1137410.82							1.0000		0.9900
Endrin ketone	1453586 1316251	1369316 1314085	1408142	1336223	Lin2	506419.565	1329692.40							0.9990		0.9900
Tetrachloro-m-xylene	1334927 1291099	1271370 1293032	1342552	1287941	Lin2	129489.749	1294134.62							0.9990		0.9900
DCB Decachlorobiphenyl	1387605 1186633	1285318 1178037	1263295	1184520	Lin2	842761.925	1186701.97							0.9990		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	6968987 162423735	16527807	42430089	80955075	121431362	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	7152111 193363504	17827920	48528088	94863375	142539799	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	6676862 173482210	16263017	43935239	85499121	127968871	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	3173375 70602804	7151704	18317243	35110489	52193512	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	6647342 176165110	16451820	44564756	86780295	130045420	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	6101017 146957779	14613700	38457915	74032762	109428611	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	6356478 162407916	15581756	41588964	80687252	121276902	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	5598156 134434444	13370397	35033404	67400594	100781122	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	5949949 138871748	14064262	36747458	70194550	104155924	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	5993561 148887623	14343441	37939667	73635168	110412786	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	5986766 144840843	14169561	37204951	71760654	107496767	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	6037423 153423171	14705722	39089618	76029113	114268649	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	5796323 134106999	13759104	35556471	67924108	100632916	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	6110594 148670445	14685089	38781744	74744270	111174859	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	5340998 133005924	12802954	33705227	66302882	98323615	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	4686779 115893699	11274454	29690530	57903714	86372318	4.00 100	10.0	25.0	50.0	75.0

FORM VI

GC SEMI VOA INITIAL CALIBRATION DATA

EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15953

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	5139604 121997729	12357272	32306963	62001650	91497091	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	4556279 114146510	11044895	29033950	56661922	85091698	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	4647897 104090277	10835292	27933181	52570729	78171000	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	2536638 54161350	5867375	14517895	27596142	40982764	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	4297504 90427002	9783456	24150224	45832418	67894119	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	4970016 113212414	11680468	29898621	57044426	84591873	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	5814342 131408509	13693158	35203551	66811174	98718823	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	5339708 129303157	12713702	33563798	64397026	96832403	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	5550420 117803742	12853177	31582382	59226013	88997474	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:

Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D		
Lims ID:	STD6 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:24:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	196035	Lims Sample ID:	10
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:35:58	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	129303157	99.8			
2	2	3.788	3.789	-0.001	331051197	96.4			
						RPD = 3.43			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	162423735	99.6			
2	2	4.269	4.270	-0.001	345757803	97.8			
						RPD = 1.82			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	193363504	101.1			
2	2	4.417	4.416	0.001	465770687	99.0			
						RPD = 2.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	173482210	101.0			
2	2	4.731	4.731	0.000	397204545	99.0			
						RPD = 1.99			
12 beta-BHC									
1	100	4.789	4.789	0.000	70602804	100.6			
2	2	4.806	4.806	0.000	160111372	97.9			
						RPD = 2.75			
13 delta-BHC									
1	100	4.938	4.939	-0.001	176165110	100.8			
2	2	5.041	5.041	0.000	371279339	98.9			
						RPD = 1.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	146957779	99.4			
2	2	5.081	5.081	0.000	315744008	96.5			
						RPD = 3.00			
16 Aldrin									
1	-65	5.376	5.376	0.000	162407916	100.1			
2	2	5.349	5.350	-0.001	312594368	97.7			
						RPD = 2.37			
18 Isodrin									
1	100	5.688	5.688	0.000	134434444	99.5			
2	2	5.713	5.714	-0.001	252465095	97.2			
						RPD = 2.30			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	138871748	99.0			
2	2	5.892	5.893	-0.001	259742496	96.8			
						RPD = 2.17			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	148887623	100.7			
2	2	6.089	6.090	-0.001	273974586	98.5			
						RPD = 2.21			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	144840843	100.5			
2	2	6.244	6.245	-0.001	256340038	98.0			
						RPD = 2.53			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	153423171	100.4			
2	2	6.424	6.425	-0.001	258163707	97.9			
						RPD = 2.50			
26 Endosulfan I									
1	100	6.380	6.379	0.001	134106999	98.8			
2	2	6.303	6.303	0.000	232813890	96.2			
						RPD = 2.65			
28 Dieldrin									
1	100	6.626	6.626	0.000	148670445	99.4			
2	2	6.583	6.585	-0.002	255750936	97.6			
						RPD = 1.81			
30 Endrin									
1	-65	6.861	6.861	0.000	133005924	100.7			
2	2	6.890	6.891	-0.001	222811457	98.9			
						RPD = 1.73			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	115893699	100.1			
2	2	7.005	7.006	-0.001	200529479	98.2			
						RPD = 1.87			
34 Endosulfan II									
1	100	7.083	7.081	0.002	121997729	98.7			
2	2	7.100	7.100	0.000	198932293	96.1			
						RPD = 2.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	114146510	100.3			
2	2	7.310	7.311	-0.001	187893108	99.1			
						RPD = 1.22			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	104090277	98.7			
2	2	7.428	7.429	-0.001	162246715	97.0			
						RPD = 1.69			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	54161350	98.2			
2	2	7.958	7.958	0.000	82632001	97.6			
						RPD = 0.65			
38 Mirex									
1	100	7.808	7.807	0.001	90427002	98.8			
2	2	8.138	8.138	0.000	128373619	97.6			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	113212414	99.2			
2	2	7.687	7.687	0.000	173347164	97.8			
						RPD = 1.41			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	131408509	98.4			
2	2	8.178	8.179	-0.001	191750675	97.3			
						RPD = 1.15			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	117803742	98.6			
2	2	9.319	9.320	-0.001	130418900	97.9			
						RPD = 0.62			

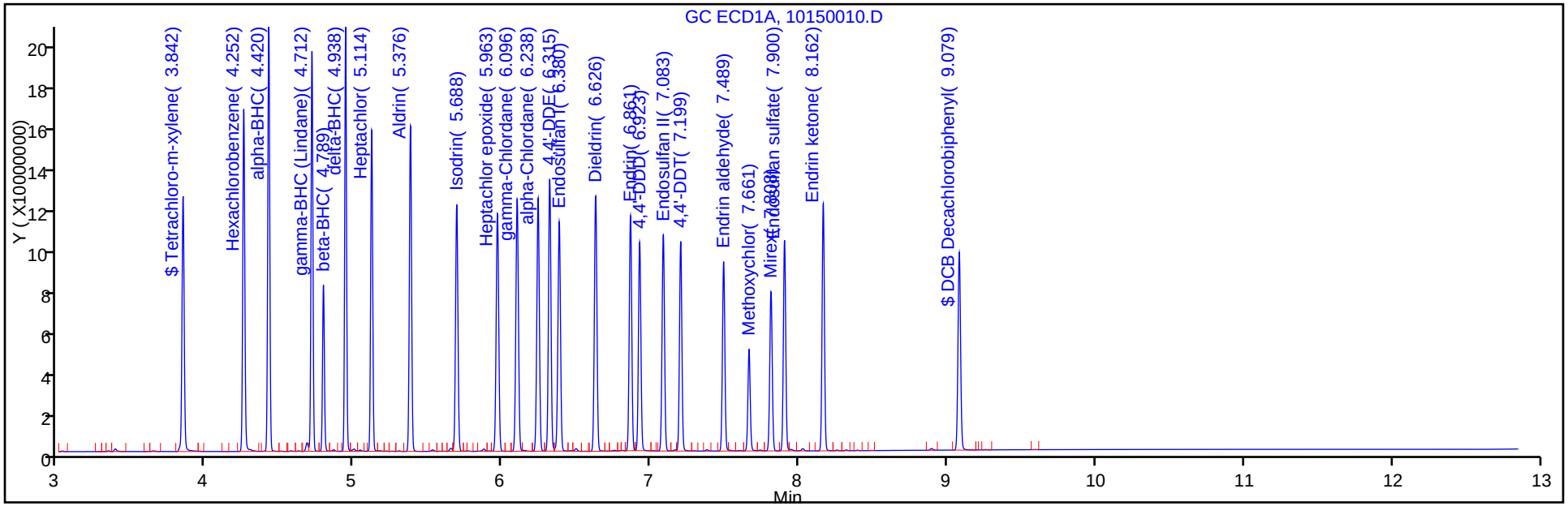
Report Date: 17-Oct-2013 05:35:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

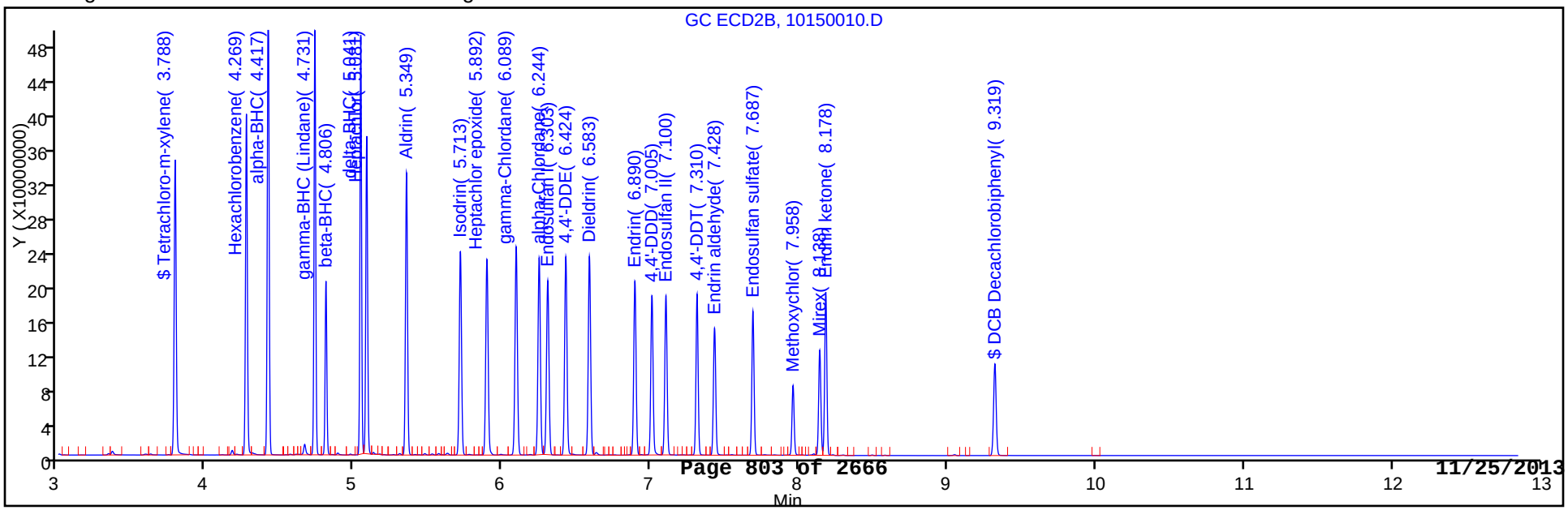
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D

Injection Date:	15-Oct-2013 15:24:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150011.D		
Lims ID:	STD5 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:40:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	196035	Lims Sample ID:	11
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:35:59	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		
First Level Reviewer: wellsd		Date:	15-Oct-2013 20:58:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.842	0.001	96832403	74.7			
2	2	3.789	3.789	0.000	253867906	73.8			
						RPD = 1.29			
8 Hexachlorobenzene									
1	100	4.253	4.251	0.002	121431362	74.4			
2	2	4.270	4.270	0.000	261832068	73.9			
						RPD = 0.74			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	142539799	74.6			
2	2	4.417	4.416	0.001	348345190	73.9			
						RPD = 0.94			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.712	0.001	127968871	74.5			
2	2	4.731	4.731	0.000	296543397	73.8			
						RPD = 1.02			
12 beta-BHC									
1	100	4.790	4.789	0.001	52193512	74.2			
2	2	4.805	4.806	-0.001	119957275	73.1			
						RPD = 1.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.940	4.939	0.001	130045420	74.5			
2	2	5.041	5.041	0.000	276461035	73.6			
						RPD = 1.29			
15 Heptachlor									
1	100	5.115	5.115	0.000	109428611	74.0			
2	2	5.081	5.081	0.000	238175581	72.6			
						RPD = 1.96			
16 Aldrin									
1	-65	5.377	5.376	0.001	121276902	74.8			
2	2	5.350	5.350	0.000	235855783	73.6			
						RPD = 1.57			
18 Isodrin									
1	100	5.690	5.688	0.002	100781122	74.5			
2	2	5.713	5.714	-0.001	191251404	73.4			
						RPD = 1.49			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	104155924	74.2			
2	2	5.893	5.893	0.000	196589025	73.1			
						RPD = 1.50			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	110412786	74.6			
2	2	6.090	6.090	0.000	205518579	73.7			
						RPD = 1.28			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	107496767	74.5			
2	2	6.245	6.245	0.000	192999122	73.6			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	114268649	74.8			
2	2	6.425	6.425	0.000	194361123	73.6			
						RPD = 1.64			
26 Endosulfan I									
1	100	6.380	6.379	0.001	100632916	74.0			
2	2	6.303	6.303	0.000	177023075	72.9			
						RPD = 1.53			
28 Dieldrin									
1	100	6.626	6.626	0.000	111174859	74.3			
2	2	6.585	6.585	0.000	193285518	73.6			
						RPD = 0.95			
30 Endrin									
1	-65	6.861	6.861	0.000	98323615	74.4			
2	2	6.891	6.891	0.000	166169544	73.6			
						RPD = 1.03			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	86372318	74.6			
2	2	7.006	7.006	0.000	150528928	73.6			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.082	7.081	0.001	91497091	74.0			
2	2	7.100	7.100	0.000	151234170	72.9			
						RPD = 1.39			
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	85091698	74.8			
2	2	7.310	7.311	-0.001	140996802	74.3			
						RPD = 0.66			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	78171000	74.0			
2	2	7.428	7.429	-0.001	122852263	73.3			
						RPD = 0.99			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	40982764	74.2			
2	2	7.958	7.958	0.000	62364675	73.5			
						RPD = 0.91			
38 Mirex									
1	100	7.809	7.807	0.002	67894119	74.0			
2	2	8.138	8.138	0.000	96862672	73.4			
						RPD = 0.78			
39 Endosulfan sulfate									M
1	-65	7.900	7.899	0.001	84591873	74.0			
2	2	7.687	7.687	0.000	129683386	72.9			M
						RPD = 1.44			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	98718823	73.9			
2	2	8.179	8.179	0.000	144800006	73.3			
						RPD = 0.73			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	88997474	74.3			
2	2	9.319	9.320	-0.001	98942700	74.1			
						RPD = 0.24			

QC Flag Legend

Review Flags
M - Manually Integrated

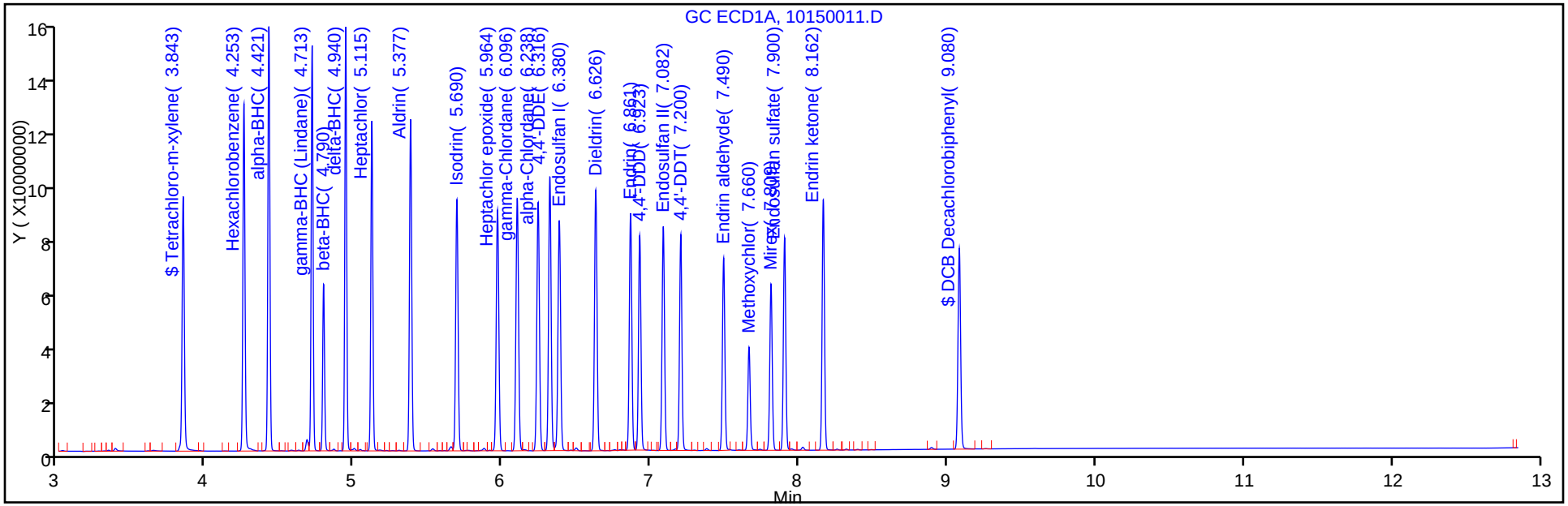
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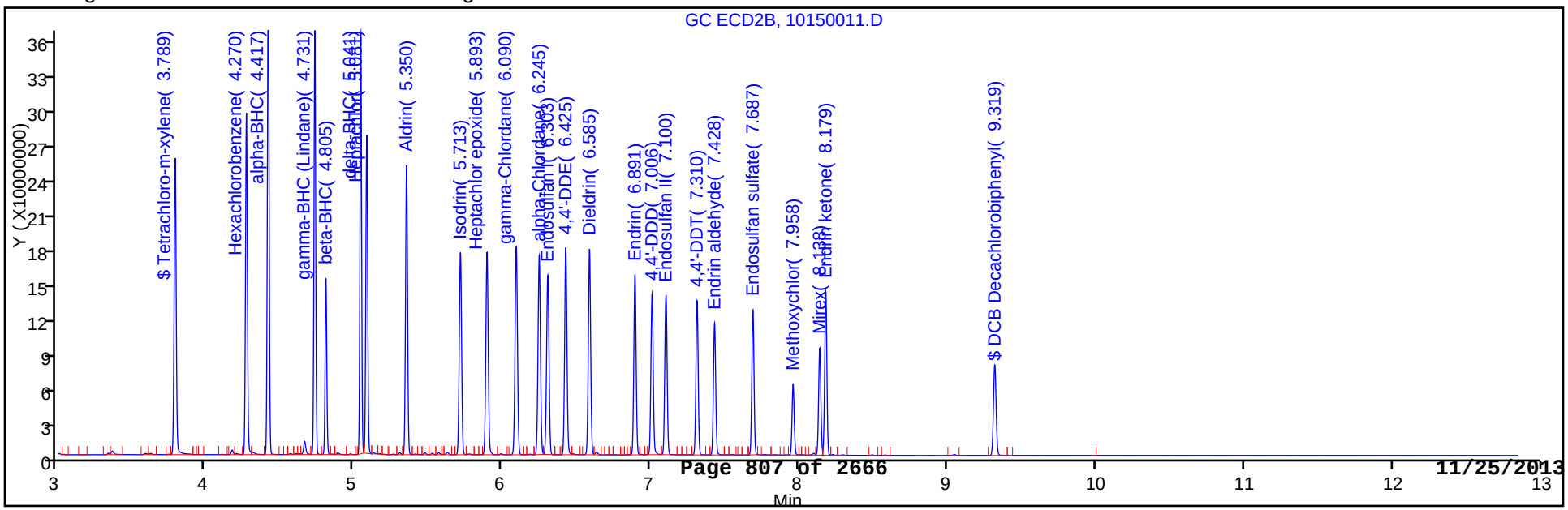
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Injection Date:	15-Oct-2013 15:40:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150012.D		
Lims ID:	STD4 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:56:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	196035	Lims Sample ID:	12
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:01	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	64397026	49.7			
2	2	3.789	3.789	0.000	171353471	49.5			
						RPD = 0.28			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	80955075	49.5			
2	2	4.270	4.270	0.000	176793253	49.6			
						RPD = 0.13			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	94863375	49.8			
2	2	4.416	4.416	0.000	234817793	49.7			
						RPD = 0.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	85499121	49.8			
2	2	4.731	4.731	0.000	200867719	49.8			
						RPD = 0.08			
12 beta-BHC									
1	100	4.789	4.789	0.000	35110489	49.8			
2	2	4.806	4.806	0.000	82134353	49.7			
						RPD = 0.16			
13 delta-BHC									
1	100	4.939	4.939	0.000	86780295	49.8			
2	2	5.041	5.041	0.000	188053721	49.9			
						RPD = 0.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74032762	50.0			
2	2	5.081	5.081	0.000	166419851	50.4			
						RPD = 0.82			
16 Aldrin									
1	-65	5.376	5.376	0.000	80687252	49.8			
2	2	5.350	5.350	0.000	160028968	49.7			
						RPD = 0.08			
18 Isodrin									
1	100	5.688	5.688	0.000	67400594	49.8			
2	2	5.714	5.714	0.000	130241971	49.7			
						RPD = 0.13			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	70194550	49.9			
2	2	5.893	5.893	0.000	134902020	49.8			
						RPD = 0.12			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	73635168	49.8			
2	2	6.090	6.090	0.000	138999216	49.6			
						RPD = 0.30			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	71760654	49.7			
2	2	6.245	6.245	0.000	131113322	49.7			
						RPD = 0.07			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	76029113	49.8			
2	2	6.425	6.425	0.000	131861626	49.7			
						RPD = 0.11			
26 Endosulfan I									
1	100	6.379	6.379	0.000	67924108	49.9			
2	2	6.303	6.303	0.000	121997376	50.0			
						RPD = 0.19			
28 Dieldrin									
1	100	6.626	6.626	0.000	74744270	49.9			
2	2	6.585	6.585	0.000	131685710	49.9			
						RPD = 0.01			
30 Endrin									
1	-65	6.861	6.861	0.000	66302882	50.2			
2	2	6.891	6.891	0.000	114011388	50.4			
						RPD = 0.37			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	57903714	50.0			
2	2	7.006	7.006	0.000	102812326	50.1			
						RPD = 0.28			
34 Endosulfan II									
1	100	7.081	7.081	0.000	62001650	50.1			
2	2	7.100	7.100	0.000	104876864	50.4			
						RPD = 0.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	56661922	49.8			
2	2	7.311	7.311	0.000	95064817	50.0			
						RPD = 0.39			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	52570729	49.6			
2	2	7.429	7.429	0.000	84029949	49.9			
						RPD = 0.48			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	27596142	49.7			
2	2	7.958	7.958	0.000	42445991	49.8			
						RPD = 0.18			
38 Mirex									
1	100	7.807	7.807	0.000	45832418	49.7			
2	2	8.138	8.138	0.000	65998139	49.7			
						RPD = 0.03			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	57044426	49.8			
2	2	7.687	7.687	0.000	89046907	49.8			
						RPD = 0.12			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	66811174	49.9			
2	2	8.179	8.179	0.000	98875306	49.9			
						RPD = 0.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	59226013	49.2			
2	2	9.320	9.320	0.000	66291857	49.4			
						RPD = 0.35			

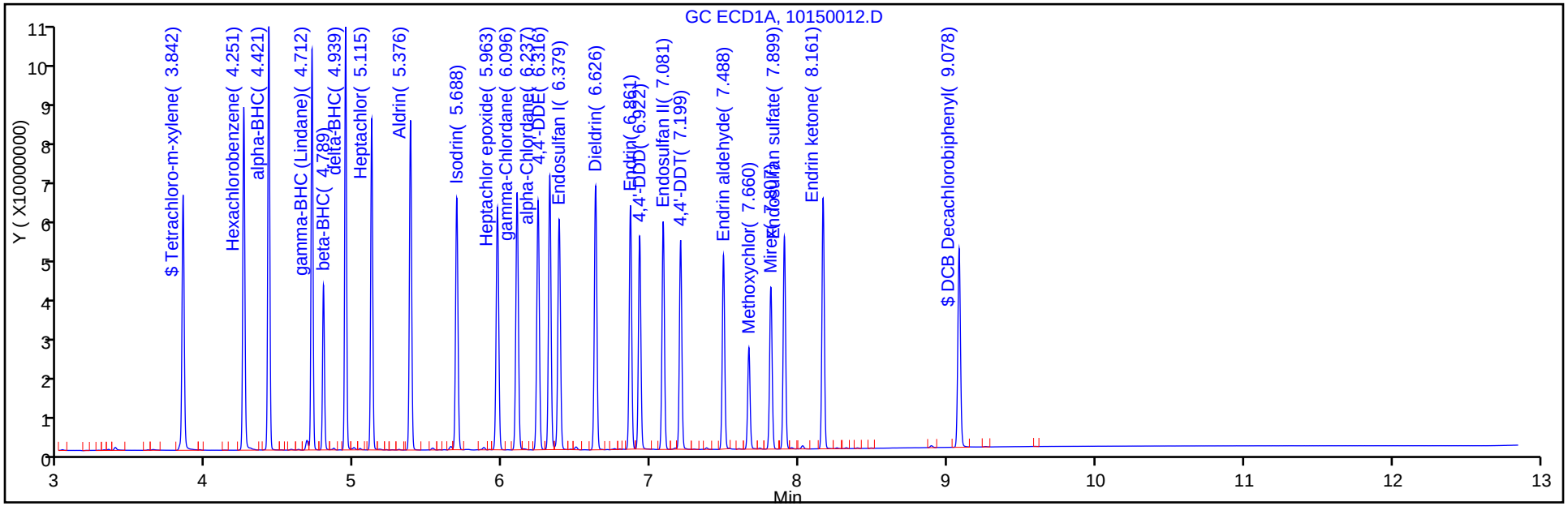
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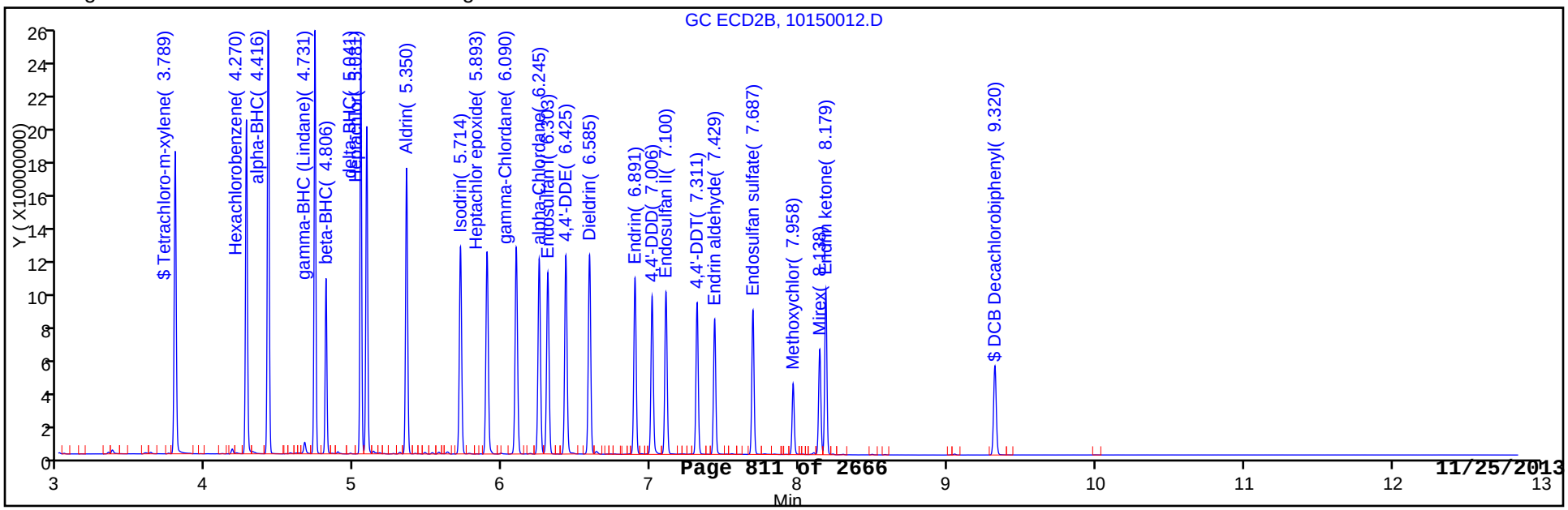
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Injection Date:	15-Oct-2013 15:56:49	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150013.D		
Lims ID:	STD3 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:13:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	196035	Lims Sample ID:	13
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:04	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	33563798	25.8			
2	2	3.788	3.789	-0.001	92480097	26.3			
						RPD = 1.96			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	42430089	25.8			
2	2	4.269	4.270	-0.001	94762903	26.2			
						RPD = 1.31			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	48528088	25.6			
2	2	4.416	4.416	0.000	123556546	26.0			
						RPD = 1.35			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	43935239	25.7			
2	2	4.731	4.731	0.000	105735783	26.0			
						RPD = 1.09			
12 beta-BHC									
1	100	4.791	4.789	0.002	18317243	25.7			
2	2	4.806	4.806	0.000	44137388	26.2			
						RPD = 1.91			
13 delta-BHC									
1	100	4.939	4.939	0.000	44564756	25.7			
2	2	5.041	5.041	0.000	98986790	26.1			
						RPD = 1.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	38457915	25.9			
2	2	5.081	5.081	0.000	88676415	26.5			
						RPD = 2.06			
16 Aldrin									
1	-65	5.377	5.376	0.001	41588964	25.7			
2	2	5.350	5.350	0.000	85222830	26.2			
						RPD = 1.88			
18 Isodrin									
1	100	5.689	5.688	0.001	35033404	25.8			
2	2	5.713	5.714	-0.001	69820755	26.3			
						RPD = 1.73			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	36747458	26.0			
2	2	5.892	5.893	-0.001	72693419	26.4			
						RPD = 1.59			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	37939667	25.6			
2	2	6.090	6.090	0.000	73872524	26.1			
						RPD = 1.64			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	37204951	25.7			
2	2	6.245	6.245	0.000	69768642	26.1			
						RPD = 1.60			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	39089618	25.6			
2	2	6.424	6.425	-0.001	70108952	26.2			
						RPD = 2.08			
26 Endosulfan I									
1	100	6.380	6.379	0.001	35556471	26.0			
2	2	6.302	6.303	-0.001	65704733	26.5			
						RPD = 2.03			
28 Dieldrin									
1	100	6.626	6.626	0.000	38781744	25.9			
2	2	6.584	6.585	-0.001	69379730	26.0			
						RPD = 0.41			
30 Endrin									
1	-65	6.861	6.861	0.000	33705227	25.5			
2	2	6.891	6.891	0.000	58777223	25.7			
						RPD = 0.77			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	29690530	25.6			
2	2	7.006	7.006	0.000	53563770	25.9			
						RPD = 1.06			
34 Endosulfan II									
1	100	7.083	7.081	0.002	32306963	26.0			
2	2	7.100	7.100	0.000	55282089	26.3			
						RPD = 1.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.201	7.199	0.002	29033950	25.5			
2	2	7.310	7.311	-0.001	49047619	25.7			
						RPD = 0.51			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	27933181	26.2			
2	2	7.428	7.429	-0.001	45023232	26.3			
						RPD = 0.67			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	14517895	25.9			
2	2	7.958	7.958	0.000	22523869	26.1			
						RPD = 1.10			
38 Mirex									
1	100	7.810	7.807	0.003	24150224	25.8			
2	2	8.137	8.138	-0.001	35416840	26.2			
						RPD = 1.32			
39 Endosulfan sulfate									
1	-65	7.901	7.899	0.002	29898621	25.9			
2	2	7.686	7.687	-0.001	47746646	26.4			
						RPD = 1.69			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	35203551	26.1			
2	2	8.178	8.179	-0.001	52921569	26.4			
						RPD = 1.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	31582382	25.9			
2	2	9.320	9.320	0.000	35397596	26.0			
						RPD = 0.24			

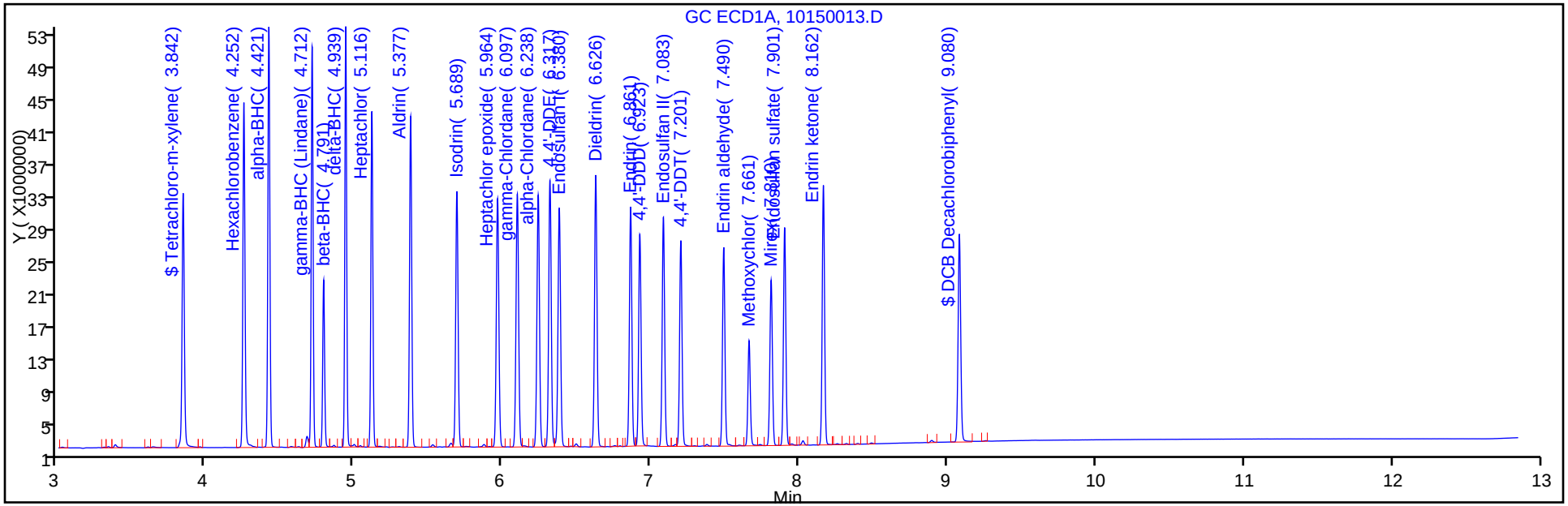
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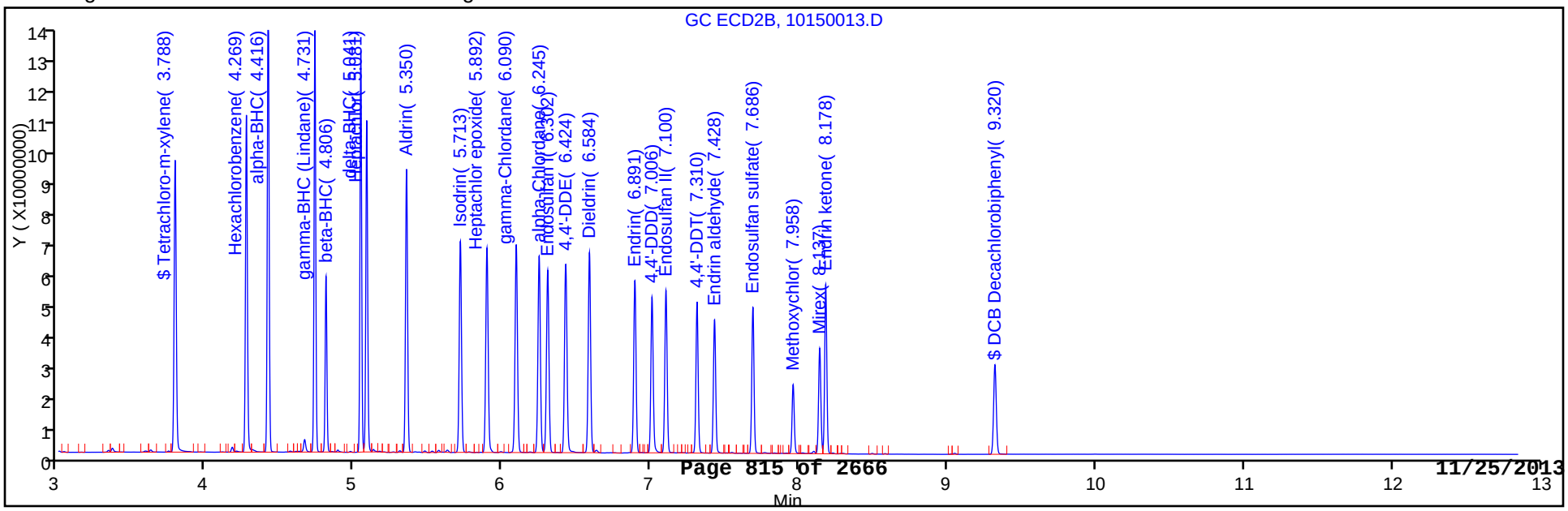
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Injection Date:	15-Oct-2013 16:13:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150014.D		
Lims ID:	STD2 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:29:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	196035	Lims Sample ID:	14
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:05	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	12713702	9.72			
2	2	3.789	3.789	0.000	37602944	10.2			
						RPD = 4.97			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	16527807	9.88			
2	2	4.269	4.270	-0.001	38452096	10.1			
						RPD = 1.92			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	17827920	9.61			
2	2	4.416	4.416	0.000	48376594	9.93			
						RPD = 3.19			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	16263017	9.61			
2	2	4.731	4.731	0.000	41734695	9.94			
						RPD = 3.38			
12 beta-BHC									
1	100	4.789	4.789	0.000	7151704	9.73			
2	2	4.806	4.806	0.000	18153822	10.2			
						RPD = 4.34			
13 delta-BHC									
1	100	4.939	4.939	0.000	16451820	9.64			
2	2	5.041	5.041	0.000	38697628	9.92			
						RPD = 2.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	14613700	9.78			
2	2	5.081	5.081	0.000	35650835	10.1			
						RPD = 3.45			
16 Aldrin									
1	-65	5.376	5.376	0.000	15581756	9.71			
2	2	5.350	5.350	0.000	33934065	10.1			
						RPD = 3.63			
18 Isodrin									
1	100	5.689	5.688	0.001	13370397	9.78			
2	2	5.714	5.714	0.000	28270179	10.1			
						RPD = 3.64			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	14064262	9.81			
2	2	5.893	5.893	0.000	29493083	10.2			
						RPD = 3.59			
23 gamma-Chlordane									
1	-65	6.095	6.096	-0.001	14343441	9.68			
2	2	6.090	6.090	0.000	29602274	10.0			
						RPD = 3.66			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	14169561	9.71			
2	2	6.246	6.245	0.001	28073507	10.1			
						RPD = 3.64			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	14705722	9.70			
2	2	6.424	6.425	-0.001	27864151	10.1			
						RPD = 3.73			
26 Endosulfan I									
1	100	6.379	6.379	0.000	13759104	9.88			
2	2	6.304	6.303	0.001	26581940	10.2			
						RPD = 3.20			
28 Dieldrin									
1	100	6.625	6.626	-0.001	14685089	9.76			
2	2	6.584	6.585	-0.001	28132707	10.1			
						RPD = 3.78			
30 Endrin									
1	-65	6.860	6.861	-0.001	12802954	9.68			
2	2	6.892	6.891	0.001	23506512	9.95			
						RPD = 2.75			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	11274454	9.72			
2	2	7.008	7.006	0.002	21301301	10.0			
						RPD = 3.07			
34 Endosulfan II									
1	100	7.081	7.081	0.000	12357272	9.85			
2	2	7.100	7.100	0.000	22286659	10.2			
						RPD = 3.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	11044895	9.73			
2	2	7.311	7.311	0.000	19233150	9.90			
						RPD = 1.69			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	10835292	9.89			
2	2	7.429	7.429	0.000	18136326	10.1			
						RPD = 2.44			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	5867375	10.1			
2	2	7.959	7.958	0.001	9042183	10.1			
						RPD = 0.54			
38 Mirex									
1	100	7.808	7.807	0.001	9783456	10.0			
2	2	8.139	8.138	0.001	14549143	10.1			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	11680468	9.90			
2	2	7.688	7.687	0.001	19117456	10.1			
						RPD = 1.81			
40 Endrin ketone									
1	-65	8.160	8.161	-0.001	13693158	9.92			
2	2	8.179	8.179	0.000	21026501	10.1			
						RPD = 1.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	12853177	10.1			
2	2	9.320	9.320	0.000	14547893	10.2			
						RPD = 0.48			

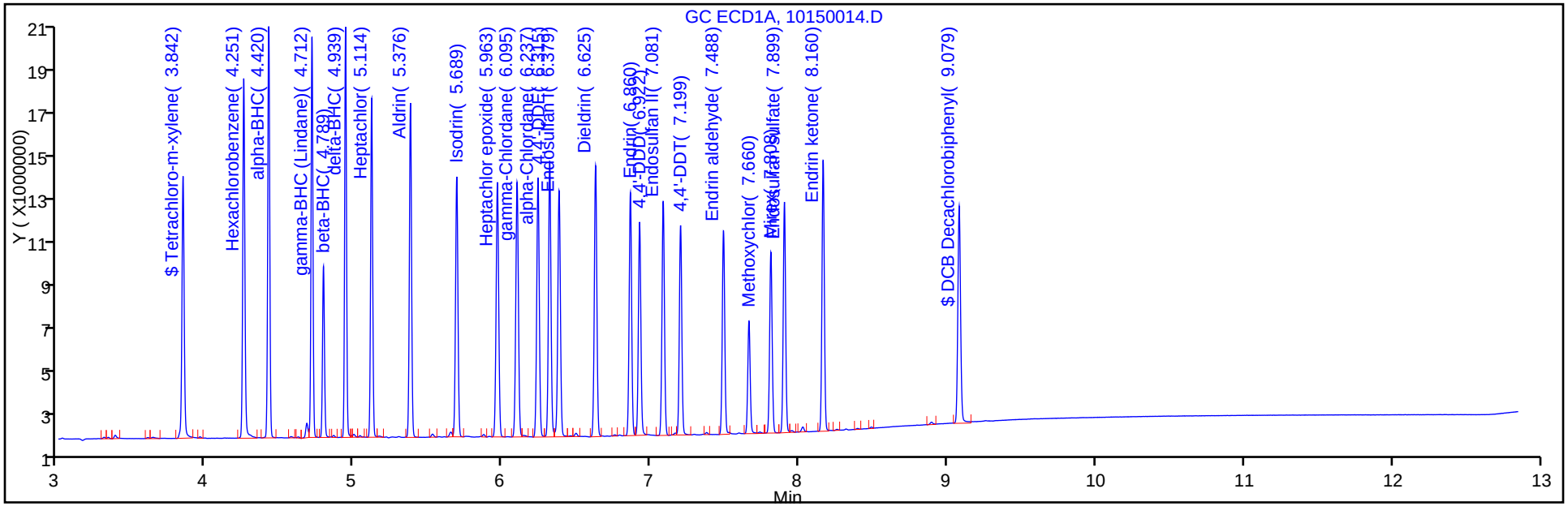
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TestAmerica Denver

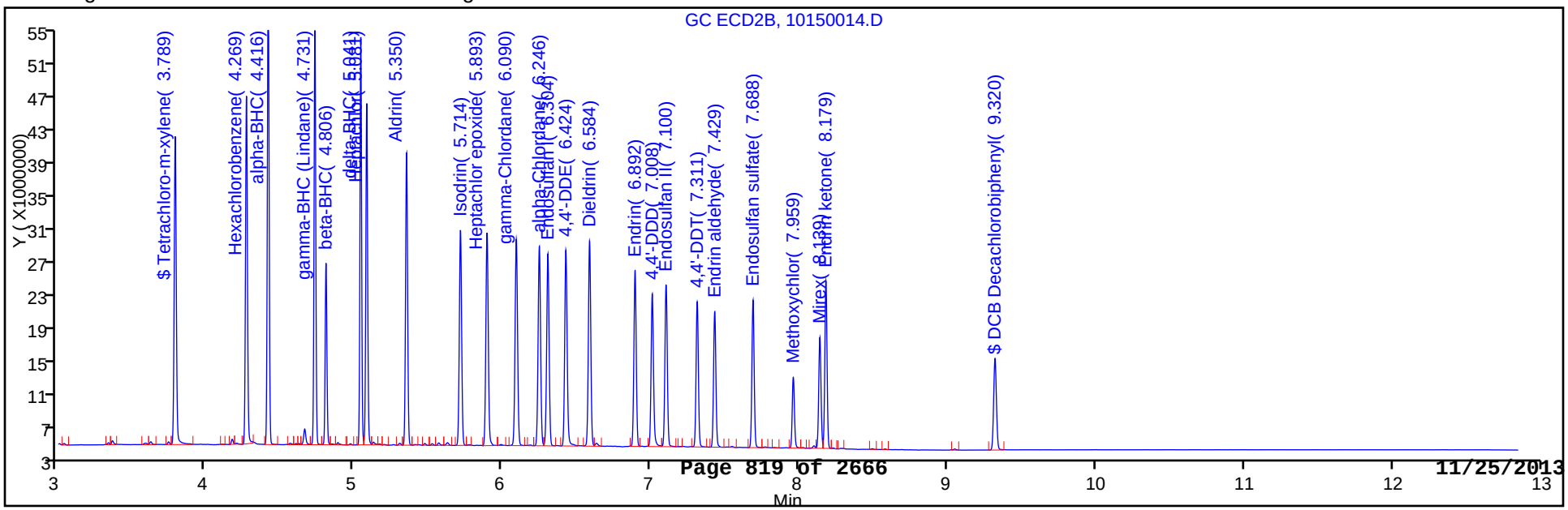
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Injection Date:	15-Oct-2013 16:29:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150015.D		
Lims ID:	STD1 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:46:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	9
Lims Batch ID:	196035	Lims Sample ID:	15
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:06	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	5339708	4.03			
2	2	3.789	3.789	0.000	16239894	3.94			
						RPD = 2.09			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	6968987	4.00			
2	2	4.269	4.270	-0.001	17066086	3.97			
						RPD = 0.89			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	7152111	4.05			
2	2	4.417	4.416	0.001	20583222	3.99			
						RPD = 1.32			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	6676862	4.04			
2	2	4.732	4.731	0.001	17960376	3.99			
						RPD = 1.36			
12 beta-BHC									
1	100	4.790	4.789	0.001	3173375	4.03			
2	2	4.807	4.806	0.001	8115376	3.95			
						RPD = 1.84			
13 delta-BHC									
1	100	4.939	4.939	0.000	6647342	4.04			
2	2	5.042	5.041	0.001	16559974	3.99			
						RPD = 1.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	6101017	4.02			
2	2	5.082	5.081	0.001	15634137	3.95			
						RPD = 1.57			
16 Aldrin									
1	-65	5.377	5.376	0.001	6356478	4.03			
2	2	5.350	5.350	0.000	14545252	3.97			
						RPD = 1.57			
18 Isodrin									
1	100	5.689	5.688	0.001	5598156	4.02			
2	2	5.713	5.714	-0.001	12347578	3.96			
						RPD = 1.56			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	5949949	4.01			
2	2	5.892	5.893	-0.001	12980566	3.95			
						RPD = 1.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	5993561	4.04			
2	2	6.090	6.090	0.000	12830896	3.97			
						RPD = 1.53			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	5986766	4.03			
2	2	6.245	6.245	0.000	12217327	3.97			
						RPD = 1.54			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	6037423	4.03			
2	2	6.425	6.425	0.000	11868460	3.97			
						RPD = 1.62			
26 Endosulfan I									
1	100	6.380	6.379	0.001	5796323	4.00			
2	2	6.302	6.303	-0.001	11563424	3.94			
						RPD = 1.47			
28 Dieldrin									
1	100	6.626	6.626	0.000	6110594	4.02			
2	2	6.584	6.585	-0.001	12079530	3.96			
						RPD = 1.45			
30 Endrin									
1	-65	6.861	6.861	0.000	5340998	4.04			
2	2	6.892	6.891	0.001	10153262	3.99			
						RPD = 1.11			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	4686779	4.03			
2	2	7.007	7.006	0.001	9019165	3.98			
						RPD = 1.27			
34 Endosulfan II									
1	100	7.082	7.081	0.001	5139604	4.00			
2	2	7.101	7.100	0.001	9369960	3.94			
						RPD = 1.55			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	4556279	4.03			
2	2	7.311	7.311	0.000	8088894	4.00			
						RPD = 0.69			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	4647897	4.00			
2	2	7.428	7.429	-0.001	7894943	3.96			
						RPD = 1.02			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	2536638	3.98			
2	2	7.959	7.958	0.001	3868818	3.96			
						RPD = 0.35			
38 Mirex									
1	100	7.808	7.807	0.001	4297504	3.98			
2	2	8.137	8.138	-0.001	6506716	3.96			
						RPD = 0.61			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	4970016	4.00			
2	2	7.687	7.687	0.000	8361728	3.96			
						RPD = 0.89			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	5814342	3.99			
2	2	8.178	8.179	-0.001	9094409	3.96			
						RPD = 0.68			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	5550420	3.97			
2	2	9.320	9.320	0.000	6348501	3.96			
						RPD = 0.23			

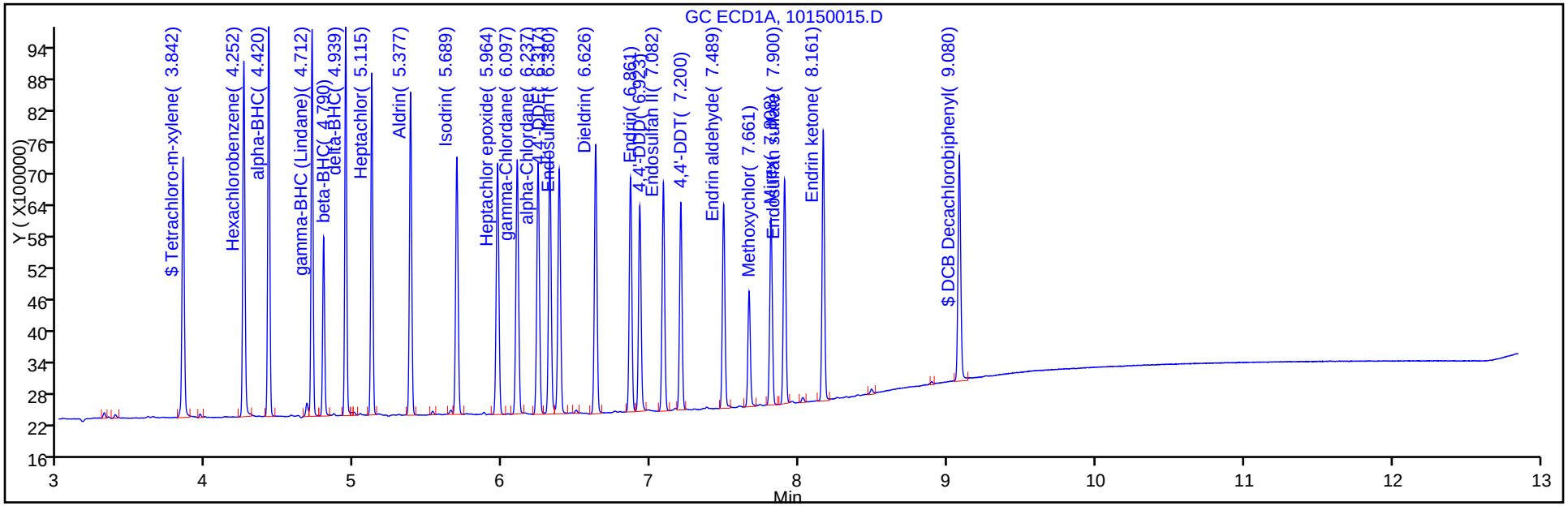
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TestAmerica Denver

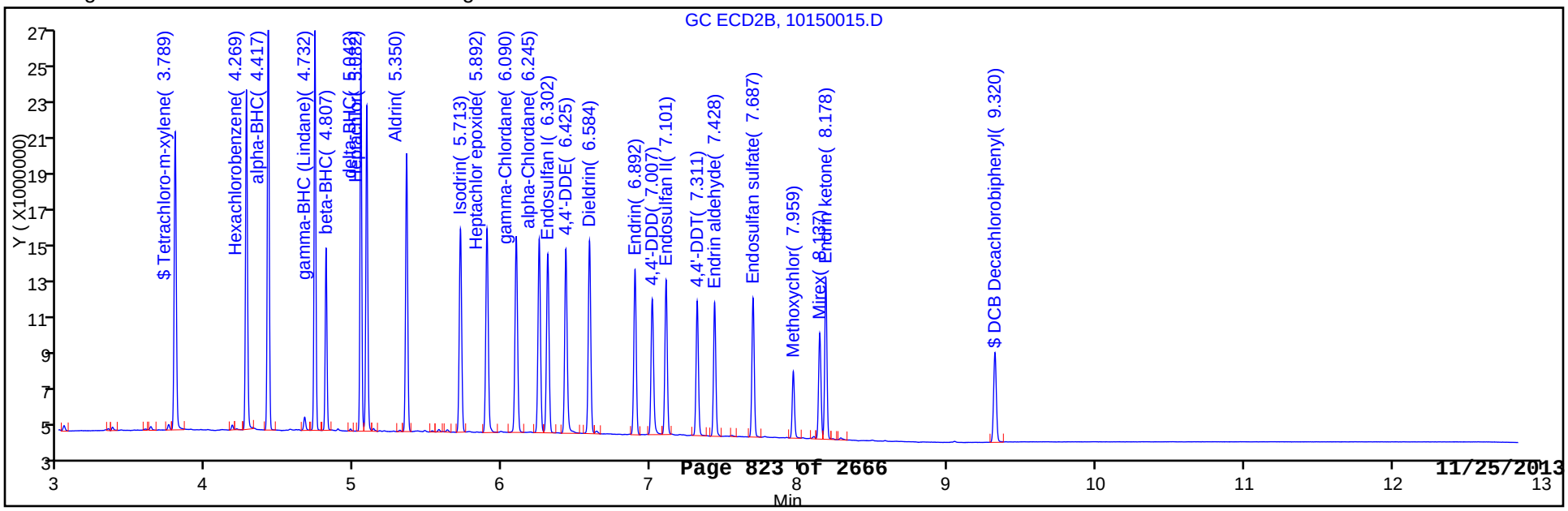
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Injection Date:	15-Oct-2013 16:46:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Hexachlorobenzene	4.269	4.269	4.269	4.270	4.270	4.269					4.260 - 4.280	4.269
alpha-BHC	4.417	4.416	4.416	4.416	4.417	4.417					4.406 - 4.426	4.417
gamma-BHC (Lindane)	4.732	4.731	4.731	4.731	4.731	4.731					4.721 - 4.741	4.731
beta-BHC	4.807	4.806	4.806	4.806	4.805	4.806					4.796 - 4.816	4.806
delta-BHC	5.042	5.041	5.041	5.041	5.041	5.041					5.031 - 5.051	5.041
Heptachlor	5.082	5.081	5.081	5.081	5.081	5.081					5.071 - 5.091	5.081
Aldrin	5.350	5.350	5.350	5.350	5.350	5.349					5.340 - 5.360	5.350
Isodrin	5.713	5.714	5.713	5.714	5.713	5.713					5.704 - 5.724	5.713
Heptachlor epoxide	5.892	5.893	5.892	5.893	5.893	5.892					5.883 - 5.903	5.893
gamma-Chlordane	6.090	6.090	6.090	6.090	6.090	6.089					6.080 - 6.100	6.090
alpha-Chlordane	6.245	6.246	6.245	6.245	6.245	6.244					6.235 - 6.255	6.245
Endosulfan I	6.302	6.304	6.302	6.303	6.303	6.303					6.293 - 6.313	6.303
4,4'-DDE	6.425	6.424	6.424	6.425	6.425	6.424					6.415 - 6.435	6.425
Dieldrin	6.584	6.584	6.584	6.585	6.585	6.583					6.575 - 6.595	6.584
Endrin	6.892	6.892	6.891	6.891	6.891	6.890					6.881 - 6.901	6.891
4,4'-DDD	7.007	7.008	7.006	7.006	7.006	7.005					6.996 - 7.016	7.006
Endosulfan II	7.101	7.100	7.100	7.100	7.100	7.100					7.090 - 7.110	7.100
4,4'-DDT	7.311	7.311	7.310	7.311	7.310	7.310					7.301 - 7.321	7.311
Endrin aldehyde	7.428	7.429	7.428	7.429	7.428	7.428					7.419 - 7.439	7.428
Endosulfan sulfate	7.687	7.688	7.686	7.687	7.687	7.687					7.677 - 7.697	7.687
Methoxychlor	7.959	7.959	7.958	7.958	7.958	7.958					7.948 - 7.968	7.958
Mirex	8.137	8.139	8.137	8.138	8.138	8.138					8.128 - 8.148	8.138
Endrin ketone	8.178	8.179	8.178	8.179	8.179	8.178					8.169 - 8.189	8.179
Tetrachloro-m-xylene	3.789	3.789	3.788	3.789	3.789	3.788					3.779 - 3.799	3.789
DCB Decachlorobiphenyl	9.320	9.320	9.320	9.320	9.319	9.319					9.310 - 9.330	9.320

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Hexachlorobenzene	4266522 3491094	3845210 3457578	3790516	3535865	Lin2	3168927.35	3502263.78							0.9990		0.9900
alpha-BHC	5145806 4644603	4837659 4657707	4942262	4696356	Lin2	1871052.66	4685600.42							0.9990		0.9900
gamma-BHC (Lindane)	4490094 3953912	4173469 3972045	4229431	4017354	Lin2	2026168.68	3993050.03							0.9990		0.9900
beta-BHC	2028844 1599430	1815382 1601114	1765496	1642687	Lin2	1716228.89	1618208.94							0.9990		0.9900
delta-BHC	4139993 3686147	3869763 3712793	3959472	3761074	Lin2	1642222.18	3736268.87							0.9990		0.9900
Heptachlor	3908534 3175674	3565084 3157440	3547057	3328397	Lin2	2812586.31	3243899.74							0.9980		0.9900
Aldrin	3636313 3144744	3393407 3125944	3408913	3200579	Lin2	1932758.02	3178728.51							0.9990		0.9900
Isodrin	3086895 2550019	2827018 2524651	2792830	2604839	Lin2	2162544.98	2574858.14							0.9990		0.9900
Heptachlor epoxide	3245141 2621187	2949308 2597425	2907737	2698040	Lin2	2490060.66	2656635.44							0.9980		0.9900
gamma-Chlordane	3207724 2740248	2960227 2739746	2954901	2779984	Lin2	1845772.66	2763832.57							0.9990		0.9900
alpha-Chlordane	3054332 2573322	2807351 2563400	2790746	2622266	Lin2	1910448.87	2597259.23							0.9990		0.9900
Endosulfan I	2890856 2360308	2658194 2328139	2628189	2439948	Lin2	2111363.75	2398451.52							0.9980		0.9900
4,4'-DDE	2967115 2591482	2786415 2581637	2804358	2637233	Lin2	1461727.31	2622470.71							0.9990		0.9900
Dieldrin	3019883 2577140	2813271 2557509	2775189	2633714	Lin2	1774419.67	2601298.50							0.9990		0.9900
Endrin	2538316 2215594	2350651 2228115	2351089	2280228	Lin2	1209801.95	2239957.39							1.0000		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
4,4'-DDD	2254791 2007052	2130130 2005295	2142551	2056247	Lin2	934548.778	2031849.12							0.9990		0.9900
Endosulfan II	2342490 2016456	2228666 1989323	2211284	2097537	Lin2	1265656.08	2056217.38							0.9980		0.9900
4,4'-DDT	2022224 1879957	1923315 1878931	1961905	1901296	Lin2	524478.409	1890059.01							1.0000		0.9900
Endrin aldehyde	1973736 1638030	1813633 1622467	1800929	1680599	Lin2	1335170.55	1658470.00							0.9990		0.9900
Endosulfan sulfate	2090432 1729112	1911746 1733472	1909866	1780938	Lin2	1391530.33	1758761.43							0.9990		0.9900
Methoxychlor	967204 831529	904218 826320	900955	848920	Lin2	536276.841	841126.627							0.9990		0.9900
Mirex	1626679 1291502	1454914 1283736	1416674	1319963	Lin2	1358965.87	1300763.83							0.9990		0.9900
Endrin ketone	2273602 1930667	2102650 1917507	2116863	1977506	Lin2	1336586.61	1956601.20							0.9990		0.9900
Tetrachloro-m-xylene	4059973 3384905	3760294 3310512	3699204	3427069	Lin2	2822792.70	3403124.74							0.9990		0.9900
DCB Decachlorobiphenyl	1587125 1319236	1454789 1304189	1415904	1325837	Lin2	1123853.24	1320012.91							0.9990		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/15	10150015.D
Level 2	STD2 280-196035/14	10150014.D
Level 3	STD3 280-196035/13	10150013.D
Level 4	STD4 280-196035/12	10150012.D
Level 5	STD5 280-196035/11	10150011.D
Level 6	STD6 280-196035/10	10150010.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Hexachlorobenzene	Lin2	17066086 345757803	38452096	94762903	176793253	261832068	4.00 100	10.0	25.0	50.0	75.0
alpha-BHC	Lin2	20583222 465770687	48376594	123556546	234817793	348345190	4.00 100	10.0	25.0	50.0	75.0
gamma-BHC (Lindane)	Lin2	17960376 397204545	41734695	105735783	200867719	296543397	4.00 100	10.0	25.0	50.0	75.0
beta-BHC	Lin2	8115376 160111372	18153822	44137388	82134353	119957275	4.00 100	10.0	25.0	50.0	75.0
delta-BHC	Lin2	16559974 371279339	38697628	98986790	188053721	276461035	4.00 100	10.0	25.0	50.0	75.0
Heptachlor	Lin2	15634137 315744008	35650835	88676415	166419851	238175581	4.00 100	10.0	25.0	50.0	75.0
Aldrin	Lin2	14545252 312594368	33934065	85222830	160028968	235855783	4.00 100	10.0	25.0	50.0	75.0
Isodrin	Lin2	12347578 252465095	28270179	69820755	130241971	191251404	4.00 100	10.0	25.0	50.0	75.0
Heptachlor epoxide	Lin2	12980566 259742496	29493083	72693419	134902020	196589025	4.00 100	10.0	25.0	50.0	75.0
gamma-Chlordane	Lin2	12830896 273974586	29602274	73872524	138999216	205518579	4.00 100	10.0	25.0	50.0	75.0
alpha-Chlordane	Lin2	12217327 256340038	28073507	69768642	131113322	192999122	4.00 100	10.0	25.0	50.0	75.0
Endosulfan I	Lin2	11563424 232813890	26581940	65704733	121997376	177023075	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDE	Lin2	11868460 258163707	27864151	70108952	131861626	194361123	4.00 100	10.0	25.0	50.0	75.0
Dieldrin	Lin2	12079530 255750936	28132707	69379730	131685710	193285518	4.00 100	10.0	25.0	50.0	75.0
Endrin	Lin2	10153262 222811457	23506512	58777223	114011388	166169544	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDD	Lin2	9019165 200529479	21301301	53563770	102812326	150528928	4.00 100	10.0	25.0	50.0	75.0

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 15:24 Calibration End Date: 10/15/2013 16:46 Calibration ID: 15954

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Endosulfan II	Lin2	9369960 198932293	22286659	55282089	104876864	151234170	4.00 100	10.0	25.0	50.0	75.0
4,4'-DDT	Lin2	8088894 187893108	19233150	49047619	95064817	140996802	4.00 100	10.0	25.0	50.0	75.0
Endrin aldehyde	Lin2	7894943 162246715	18136326	45023232	84029949	122852263	4.00 100	10.0	25.0	50.0	75.0
Endosulfan sulfate	Lin2	8361728 173347164	19117456	47746646	89046907	129683386	4.00 100	10.0	25.0	50.0	75.0
Methoxychlor	Lin2	3868818 82632001	9042183	22523869	42445991	62364675	4.00 100	10.0	25.0	50.0	75.0
Mirex	Lin2	6506716 128373619	14549143	35416840	65998139	96862672	4.00 100	10.0	25.0	50.0	75.0
Endrin ketone	Lin2	9094409 191750675	21026501	52921569	98875306	144800006	4.00 100	10.0	25.0	50.0	75.0
Tetrachloro-m-xylene	Lin2	16239894 331051197	37602944	92480097	171353471	253867906	4.00 100	10.0	25.0	50.0	75.0
DCB Decachlorobiphenyl	Lin2	6348501 130418900	14547893	35397596	66291857	98942700	4.00 100	10.0	25.0	50.0	75.0

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D		
Lims ID:	STD6 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:24:02	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	196035	Lims Sample ID:	10
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:35:58	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	129303157	99.8			
2	2	3.788	3.789	-0.001	331051197	96.4			
						RPD = 3.43			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	162423735	99.6			
2	2	4.269	4.270	-0.001	345757803	97.8			
						RPD = 1.82			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	193363504	101.1			
2	2	4.417	4.416	0.001	465770687	99.0			
						RPD = 2.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	173482210	101.0			
2	2	4.731	4.731	0.000	397204545	99.0			
						RPD = 1.99			
12 beta-BHC									
1	100	4.789	4.789	0.000	70602804	100.6			
2	2	4.806	4.806	0.000	160111372	97.9			
						RPD = 2.75			
13 delta-BHC									
1	100	4.938	4.939	-0.001	176165110	100.8			
2	2	5.041	5.041	0.000	371279339	98.9			
						RPD = 1.92			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	146957779	99.4			
2	2	5.081	5.081	0.000	315744008	96.5			
						RPD = 3.00			
16 Aldrin									
1	-65	5.376	5.376	0.000	162407916	100.1			
2	2	5.349	5.350	-0.001	312594368	97.7			
						RPD = 2.37			
18 Isodrin									
1	100	5.688	5.688	0.000	134434444	99.5			
2	2	5.713	5.714	-0.001	252465095	97.2			
						RPD = 2.30			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	138871748	99.0			
2	2	5.892	5.893	-0.001	259742496	96.8			
						RPD = 2.17			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	148887623	100.7			
2	2	6.089	6.090	-0.001	273974586	98.5			
						RPD = 2.21			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	144840843	100.5			
2	2	6.244	6.245	-0.001	256340038	98.0			
						RPD = 2.53			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	153423171	100.4			
2	2	6.424	6.425	-0.001	258163707	97.9			
						RPD = 2.50			
26 Endosulfan I									
1	100	6.380	6.379	0.001	134106999	98.8			
2	2	6.303	6.303	0.000	232813890	96.2			
						RPD = 2.65			
28 Dieldrin									
1	100	6.626	6.626	0.000	148670445	99.4			
2	2	6.583	6.585	-0.002	255750936	97.6			
						RPD = 1.81			
30 Endrin									
1	-65	6.861	6.861	0.000	133005924	100.7			
2	2	6.890	6.891	-0.001	222811457	98.9			
						RPD = 1.73			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	115893699	100.1			
2	2	7.005	7.006	-0.001	200529479	98.2			
						RPD = 1.87			
34 Endosulfan II									
1	100	7.083	7.081	0.002	121997729	98.7			
2	2	7.100	7.100	0.000	198932293	96.1			
						RPD = 2.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	114146510	100.3			
2	2	7.310	7.311	-0.001	187893108	99.1			
						RPD = 1.22			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	104090277	98.7			
2	2	7.428	7.429	-0.001	162246715	97.0			
						RPD = 1.69			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	54161350	98.2			
2	2	7.958	7.958	0.000	82632001	97.6			
						RPD = 0.65			
38 Mirex									
1	100	7.808	7.807	0.001	90427002	98.8			
2	2	8.138	8.138	0.000	128373619	97.6			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	113212414	99.2			
2	2	7.687	7.687	0.000	173347164	97.8			
						RPD = 1.41			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	131408509	98.4			
2	2	8.178	8.179	-0.001	191750675	97.3			
						RPD = 1.15			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	117803742	98.6			
2	2	9.319	9.320	-0.001	130418900	97.9			
						RPD = 0.62			

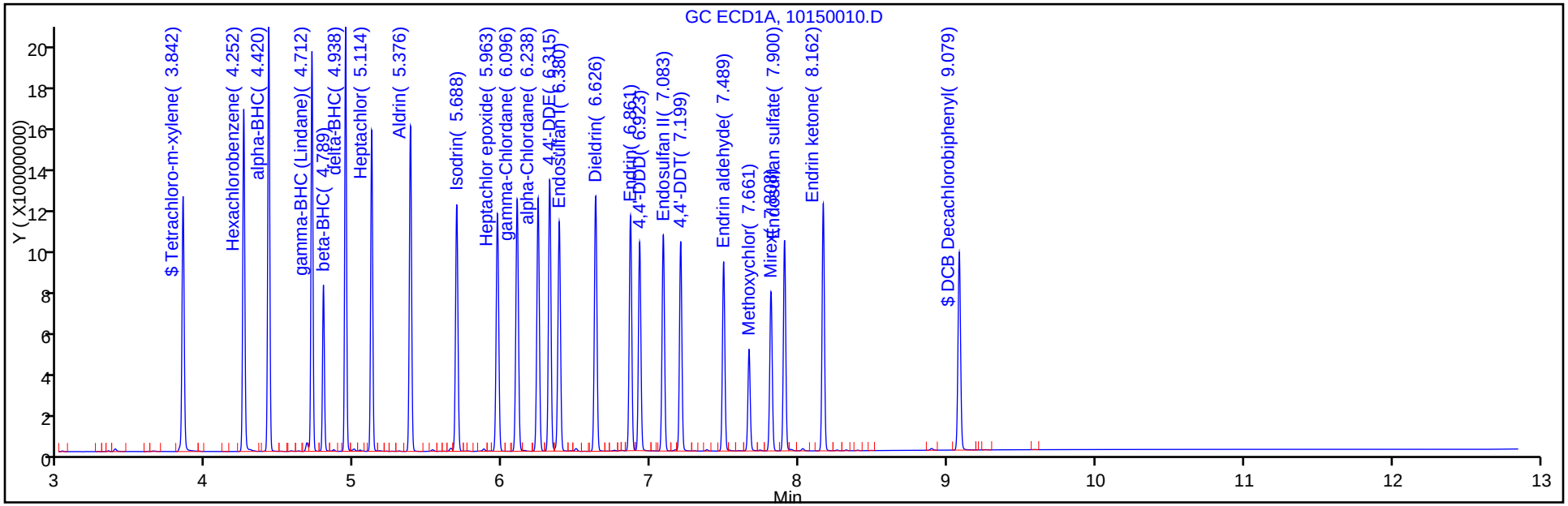
Report Date: 17-Oct-2013 05:35:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

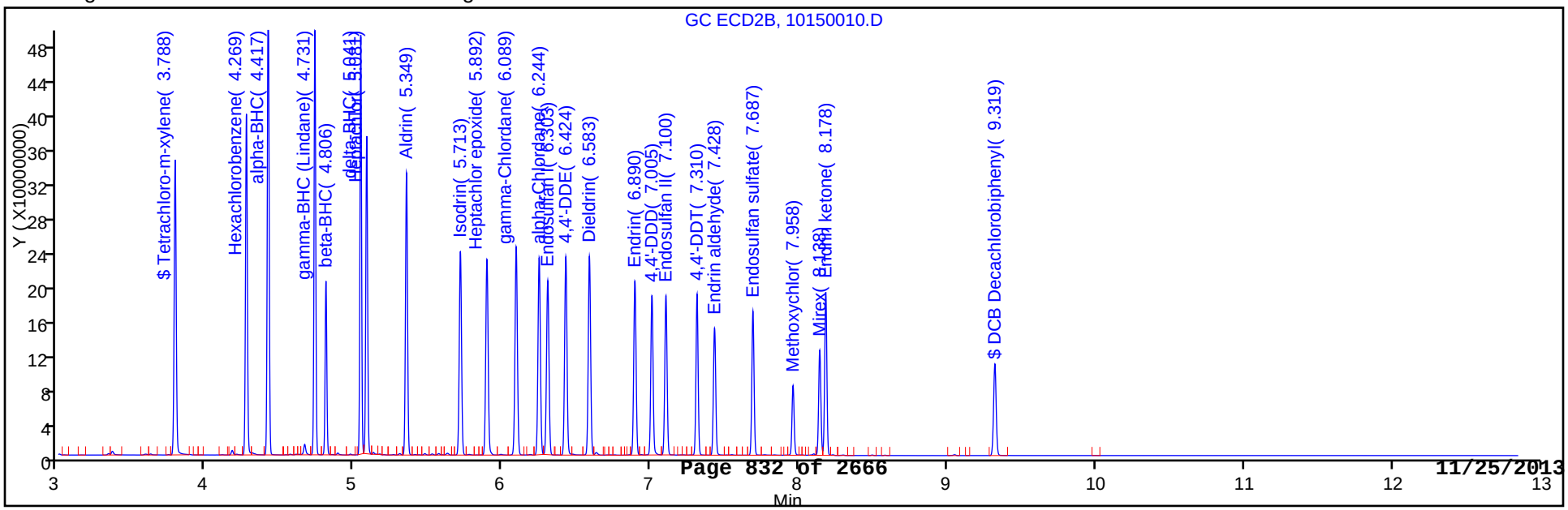
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150010.D

Injection Date:	15-Oct-2013 15:24:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150011.D		
Lims ID:	STD5 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:40:26	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	196035	Lims Sample ID:	11
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:35:59	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		
First Level Reviewer: wellsd		Date:	15-Oct-2013 20:58:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.842	0.001	96832403	74.7			
2	2	3.789	3.789	0.000	253867906	73.8			
						RPD = 1.29			
8 Hexachlorobenzene									
1	100	4.253	4.251	0.002	121431362	74.4			
2	2	4.270	4.270	0.000	261832068	73.9			
						RPD = 0.74			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	142539799	74.6			
2	2	4.417	4.416	0.001	348345190	73.9			
						RPD = 0.94			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.712	0.001	127968871	74.5			
2	2	4.731	4.731	0.000	296543397	73.8			
						RPD = 1.02			
12 beta-BHC									
1	100	4.790	4.789	0.001	52193512	74.2			
2	2	4.805	4.806	-0.001	119957275	73.1			
						RPD = 1.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
13 delta-BHC									
1	100	4.940	4.939	0.001	130045420	74.5			
2	2	5.041	5.041	0.000	276461035	73.6			
						RPD = 1.29			
15 Heptachlor									
1	100	5.115	5.115	0.000	109428611	74.0			
2	2	5.081	5.081	0.000	238175581	72.6			
						RPD = 1.96			
16 Aldrin									
1	-65	5.377	5.376	0.001	121276902	74.8			
2	2	5.350	5.350	0.000	235855783	73.6			
						RPD = 1.57			
18 Isodrin									
1	100	5.690	5.688	0.002	100781122	74.5			
2	2	5.713	5.714	-0.001	191251404	73.4			
						RPD = 1.49			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	104155924	74.2			
2	2	5.893	5.893	0.000	196589025	73.1			
						RPD = 1.50			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	110412786	74.6			
2	2	6.090	6.090	0.000	205518579	73.7			
						RPD = 1.28			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	107496767	74.5			
2	2	6.245	6.245	0.000	192999122	73.6			
						RPD = 1.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	114268649	74.8			
2	2	6.425	6.425	0.000	194361123	73.6			
						RPD = 1.64			
26 Endosulfan I									
1	100	6.380	6.379	0.001	100632916	74.0			
2	2	6.303	6.303	0.000	177023075	72.9			
						RPD = 1.53			
28 Dieldrin									
1	100	6.626	6.626	0.000	111174859	74.3			
2	2	6.585	6.585	0.000	193285518	73.6			
						RPD = 0.95			
30 Endrin									
1	-65	6.861	6.861	0.000	98323615	74.4			
2	2	6.891	6.891	0.000	166169544	73.6			
						RPD = 1.03			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	86372318	74.6			
2	2	7.006	7.006	0.000	150528928	73.6			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
34 Endosulfan II									
1	100	7.082	7.081	0.001	91497091	74.0			
2	2	7.100	7.100	0.000	151234170	72.9			
						RPD = 1.39			
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	85091698	74.8			
2	2	7.310	7.311	-0.001	140996802	74.3			
						RPD = 0.66			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	78171000	74.0			
2	2	7.428	7.429	-0.001	122852263	73.3			
						RPD = 0.99			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	40982764	74.2			
2	2	7.958	7.958	0.000	62364675	73.5			
						RPD = 0.91			
38 Mirex									
1	100	7.809	7.807	0.002	67894119	74.0			
2	2	8.138	8.138	0.000	96862672	73.4			
						RPD = 0.78			
39 Endosulfan sulfate									M
1	-65	7.900	7.899	0.001	84591873	74.0			
2	2	7.687	7.687	0.000	129683386	72.9			M
						RPD = 1.44			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	98718823	73.9			
2	2	8.179	8.179	0.000	144800006	73.3			
						RPD = 0.73			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	88997474	74.3			
2	2	9.319	9.320	-0.001	98942700	74.1			
						RPD = 0.24			

QC Flag Legend

Review Flags
M - Manually Integrated

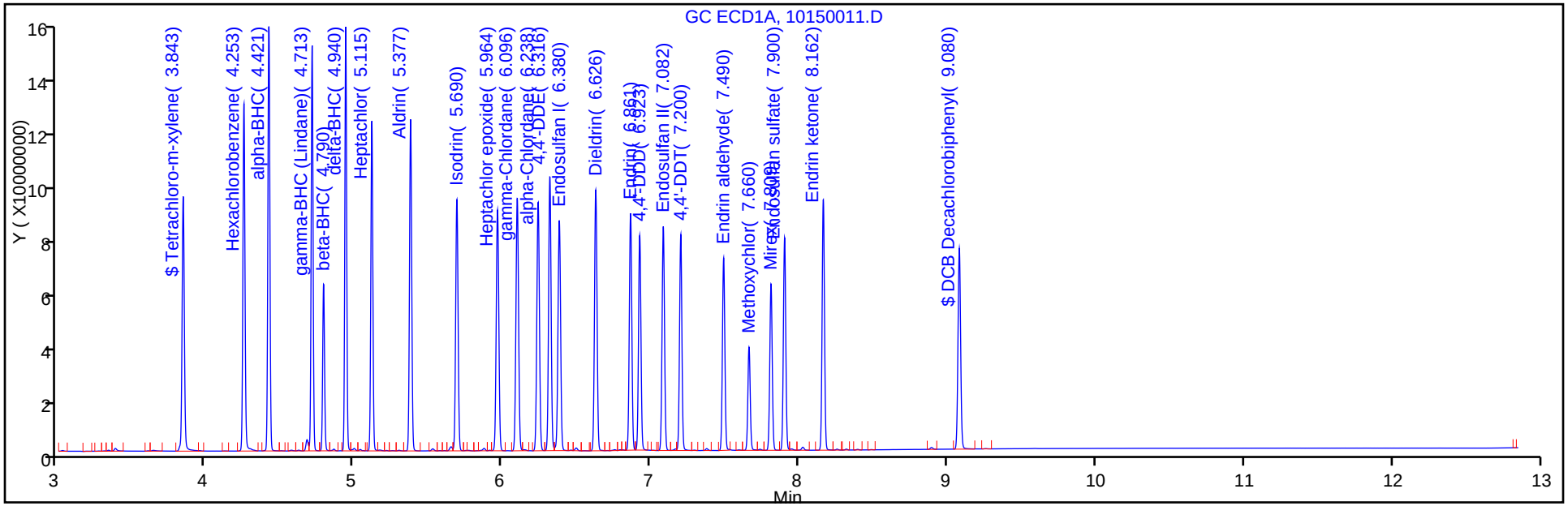
Report Date: 17-Oct-2013 05:35:59 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

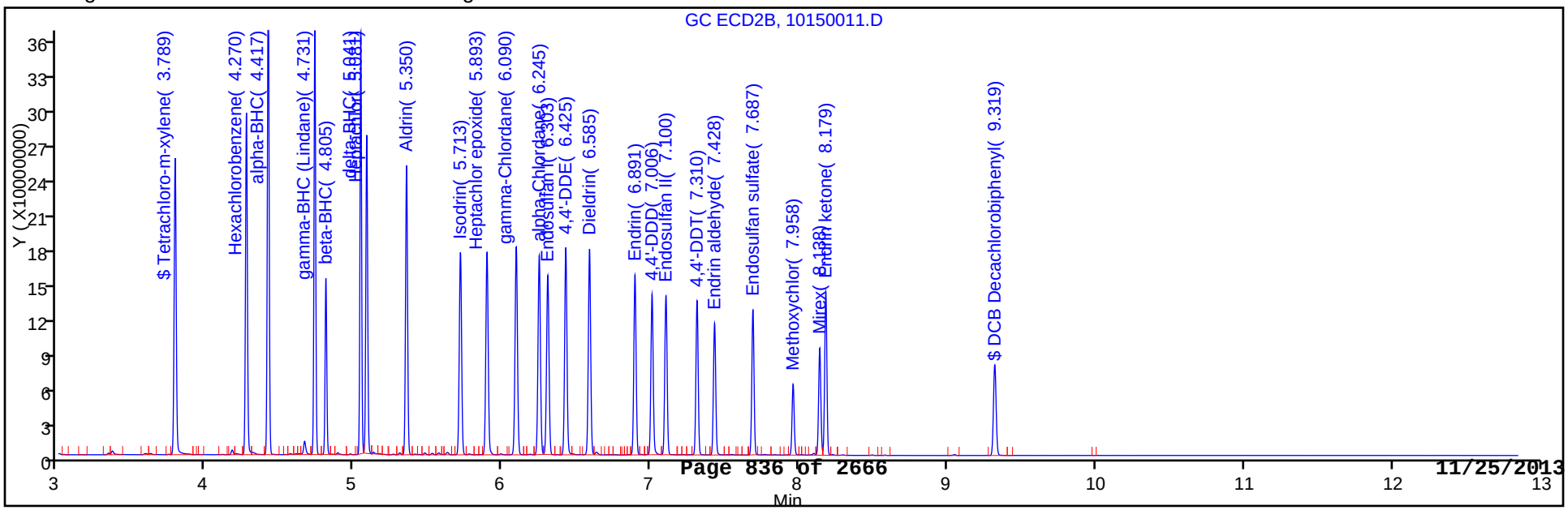
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150011.D

Injection Date:	15-Oct-2013 15:40:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

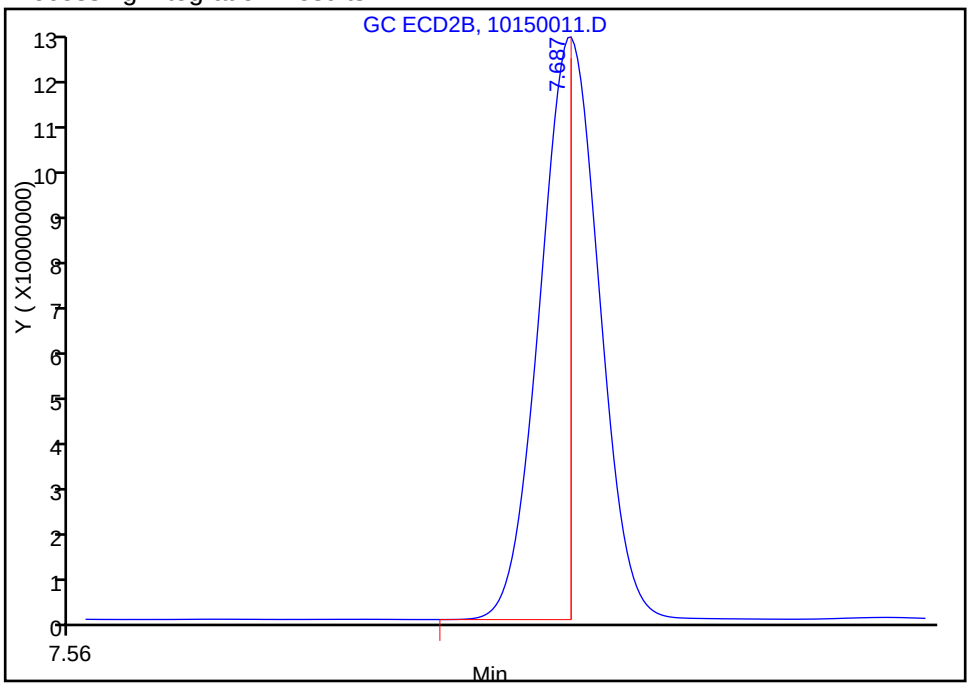
TestAmerica Denver

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Injection Date:	15-Oct-2013 15:40:26	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

39 Endosulfan sulfate, Signal: 2, Type: quant, RT: 7.69, Det: GC ECD2B

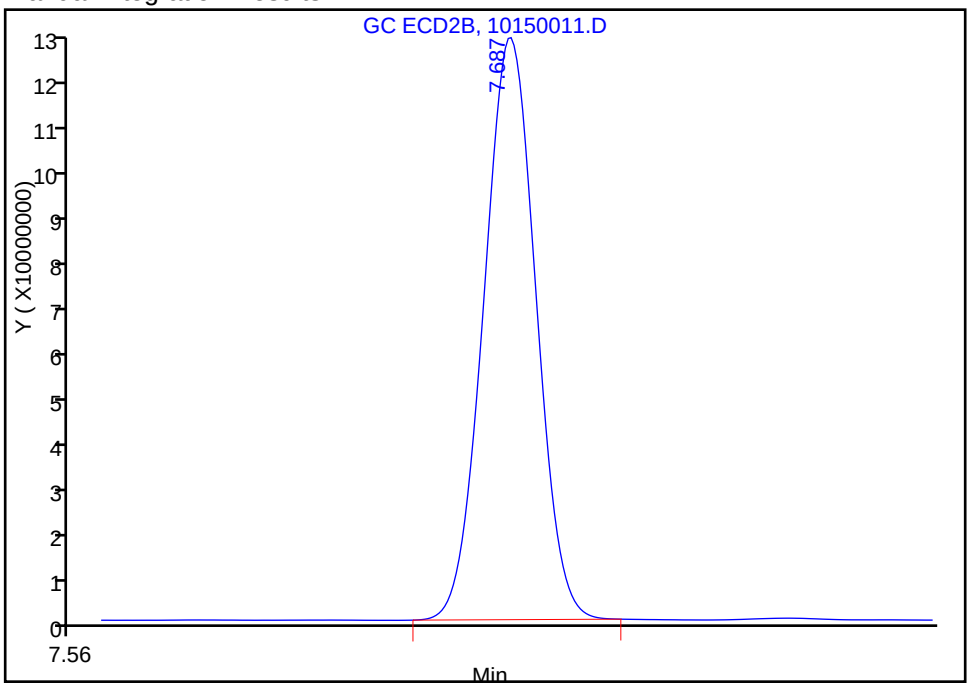
Processing Integration Results

RT: 7.69
Response: 67011483
Amount: 41.936611



Manual Integration Results

RT: 7.69
Response: 129683386
Amount: 72.944433



Reviewer: wellsd, 15-Oct-2013 20:58:50
Audit Action: Manually Integrated
Audit Reason: Incomplete Integration

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150012.D		
Lims ID:	STD4 AB	Client ID:	
Inject. Date:	15-Oct-2013 15:56:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	196035	Lims Sample ID:	12
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:01	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	64397026	49.7			
2	2	3.789	3.789	0.000	171353471	49.5			
						RPD = 0.28			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	80955075	49.5			
2	2	4.270	4.270	0.000	176793253	49.6			
						RPD = 0.13			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	94863375	49.8			
2	2	4.416	4.416	0.000	234817793	49.7			
						RPD = 0.13			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	85499121	49.8			
2	2	4.731	4.731	0.000	200867719	49.8			
						RPD = 0.08			
12 beta-BHC									
1	100	4.789	4.789	0.000	35110489	49.8			
2	2	4.806	4.806	0.000	82134353	49.7			
						RPD = 0.16			
13 delta-BHC									
1	100	4.939	4.939	0.000	86780295	49.8			
2	2	5.041	5.041	0.000	188053721	49.9			
						RPD = 0.18			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74032762	50.0			
2	2	5.081	5.081	0.000	166419851	50.4			
						RPD = 0.82			
16 Aldrin									
1	-65	5.376	5.376	0.000	80687252	49.8			
2	2	5.350	5.350	0.000	160028968	49.7			
						RPD = 0.08			
18 Isodrin									
1	100	5.688	5.688	0.000	67400594	49.8			
2	2	5.714	5.714	0.000	130241971	49.7			
						RPD = 0.13			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	70194550	49.9			
2	2	5.893	5.893	0.000	134902020	49.8			
						RPD = 0.12			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	73635168	49.8			
2	2	6.090	6.090	0.000	138999216	49.6			
						RPD = 0.30			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	71760654	49.7			
2	2	6.245	6.245	0.000	131113322	49.7			
						RPD = 0.07			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	76029113	49.8			
2	2	6.425	6.425	0.000	131861626	49.7			
						RPD = 0.11			
26 Endosulfan I									
1	100	6.379	6.379	0.000	67924108	49.9			
2	2	6.303	6.303	0.000	121997376	50.0			
						RPD = 0.19			
28 Dieldrin									
1	100	6.626	6.626	0.000	74744270	49.9			
2	2	6.585	6.585	0.000	131685710	49.9			
						RPD = 0.01			
30 Endrin									
1	-65	6.861	6.861	0.000	66302882	50.2			
2	2	6.891	6.891	0.000	114011388	50.4			
						RPD = 0.37			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	57903714	50.0			
2	2	7.006	7.006	0.000	102812326	50.1			
						RPD = 0.28			
34 Endosulfan II									
1	100	7.081	7.081	0.000	62001650	50.1			
2	2	7.100	7.100	0.000	104876864	50.4			
						RPD = 0.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	56661922	49.8			
2	2	7.311	7.311	0.000	95064817	50.0			
						RPD = 0.39			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	52570729	49.6			
2	2	7.429	7.429	0.000	84029949	49.9			
						RPD = 0.48			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	27596142	49.7			
2	2	7.958	7.958	0.000	42445991	49.8			
						RPD = 0.18			
38 Mirex									
1	100	7.807	7.807	0.000	45832418	49.7			
2	2	8.138	8.138	0.000	65998139	49.7			
						RPD = 0.03			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	57044426	49.8			
2	2	7.687	7.687	0.000	89046907	49.8			
						RPD = 0.12			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	66811174	49.9			
2	2	8.179	8.179	0.000	98875306	49.9			
						RPD = 0.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	59226013	49.2			
2	2	9.320	9.320	0.000	66291857	49.4			
						RPD = 0.35			

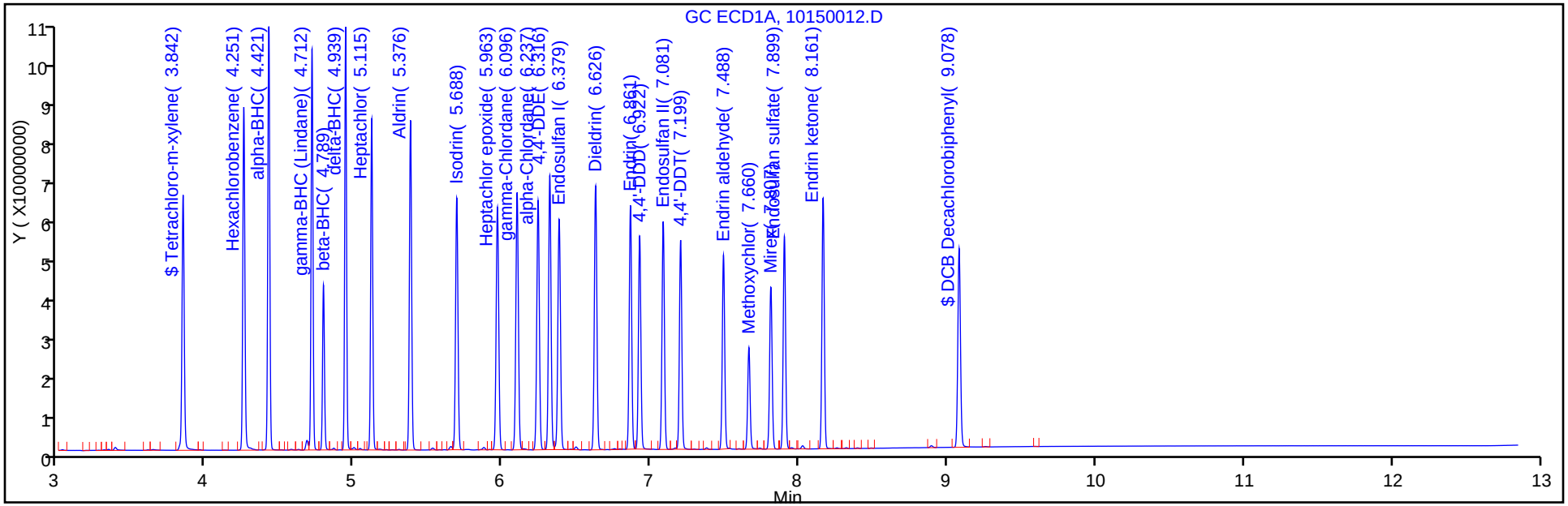
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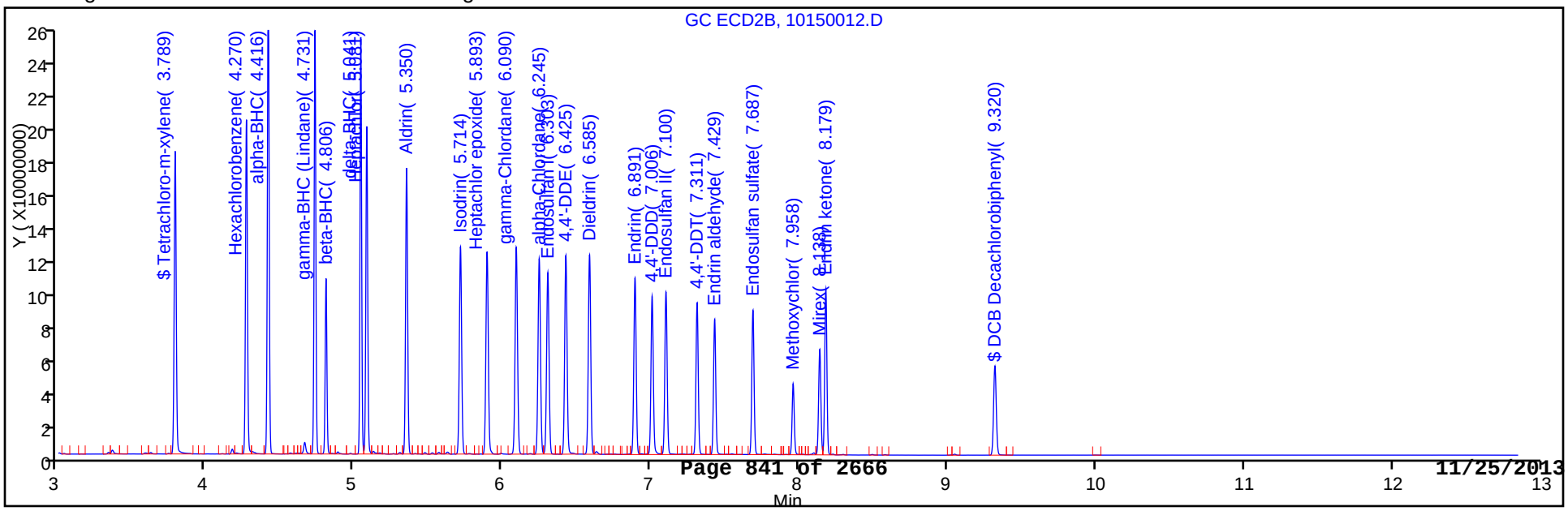
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150012.D

Injection Date:	15-Oct-2013 15:56:49	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	12
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150013.D		
Lims ID:	STD3 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:13:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	196035	Lims Sample ID:	13
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:04	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	33563798	25.8			
2	2	3.788	3.789	-0.001	92480097	26.3			
						RPD = 1.96			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	42430089	25.8			
2	2	4.269	4.270	-0.001	94762903	26.2			
						RPD = 1.31			
10 alpha-BHC									
1	-65	4.421	4.421	0.000	48528088	25.6			
2	2	4.416	4.416	0.000	123556546	26.0			
						RPD = 1.35			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	43935239	25.7			
2	2	4.731	4.731	0.000	105735783	26.0			
						RPD = 1.09			
12 beta-BHC									
1	100	4.791	4.789	0.002	18317243	25.7			
2	2	4.806	4.806	0.000	44137388	26.2			
						RPD = 1.91			
13 delta-BHC									
1	100	4.939	4.939	0.000	44564756	25.7			
2	2	5.041	5.041	0.000	98986790	26.1			
						RPD = 1.39			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	38457915	25.9			
2	2	5.081	5.081	0.000	88676415	26.5			
						RPD = 2.06			
16 Aldrin									
1	-65	5.377	5.376	0.001	41588964	25.7			
2	2	5.350	5.350	0.000	85222830	26.2			
						RPD = 1.88			
18 Isodrin									
1	100	5.689	5.688	0.001	35033404	25.8			
2	2	5.713	5.714	-0.001	69820755	26.3			
						RPD = 1.73			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	36747458	26.0			
2	2	5.892	5.893	-0.001	72693419	26.4			
						RPD = 1.59			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	37939667	25.6			
2	2	6.090	6.090	0.000	73872524	26.1			
						RPD = 1.64			
24 alpha-Chlordane									
1	-65	6.238	6.237	0.001	37204951	25.7			
2	2	6.245	6.245	0.000	69768642	26.1			
						RPD = 1.60			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	39089618	25.6			
2	2	6.424	6.425	-0.001	70108952	26.2			
						RPD = 2.08			
26 Endosulfan I									
1	100	6.380	6.379	0.001	35556471	26.0			
2	2	6.302	6.303	-0.001	65704733	26.5			
						RPD = 2.03			
28 Dieldrin									
1	100	6.626	6.626	0.000	38781744	25.9			
2	2	6.584	6.585	-0.001	69379730	26.0			
						RPD = 0.41			
30 Endrin									
1	-65	6.861	6.861	0.000	33705227	25.5			
2	2	6.891	6.891	0.000	58777223	25.7			
						RPD = 0.77			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	29690530	25.6			
2	2	7.006	7.006	0.000	53563770	25.9			
						RPD = 1.06			
34 Endosulfan II									
1	100	7.083	7.081	0.002	32306963	26.0			
2	2	7.100	7.100	0.000	55282089	26.3			
						RPD = 1.00			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.201	7.199	0.002	29033950	25.5			
2	2	7.310	7.311	-0.001	49047619	25.7			
						RPD = 0.51			
36 Endrin aldehyde									
1	-65	7.490	7.488	0.002	27933181	26.2			
2	2	7.428	7.429	-0.001	45023232	26.3			
						RPD = 0.67			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	14517895	25.9			
2	2	7.958	7.958	0.000	22523869	26.1			
						RPD = 1.10			
38 Mirex									
1	100	7.810	7.807	0.003	24150224	25.8			
2	2	8.137	8.138	-0.001	35416840	26.2			
						RPD = 1.32			
39 Endosulfan sulfate									
1	-65	7.901	7.899	0.002	29898621	25.9			
2	2	7.686	7.687	-0.001	47746646	26.4			
						RPD = 1.69			
40 Endrin ketone									
1	-65	8.162	8.161	0.001	35203551	26.1			
2	2	8.178	8.179	-0.001	52921569	26.4			
						RPD = 1.03			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	31582382	25.9			
2	2	9.320	9.320	0.000	35397596	26.0			
						RPD = 0.24			

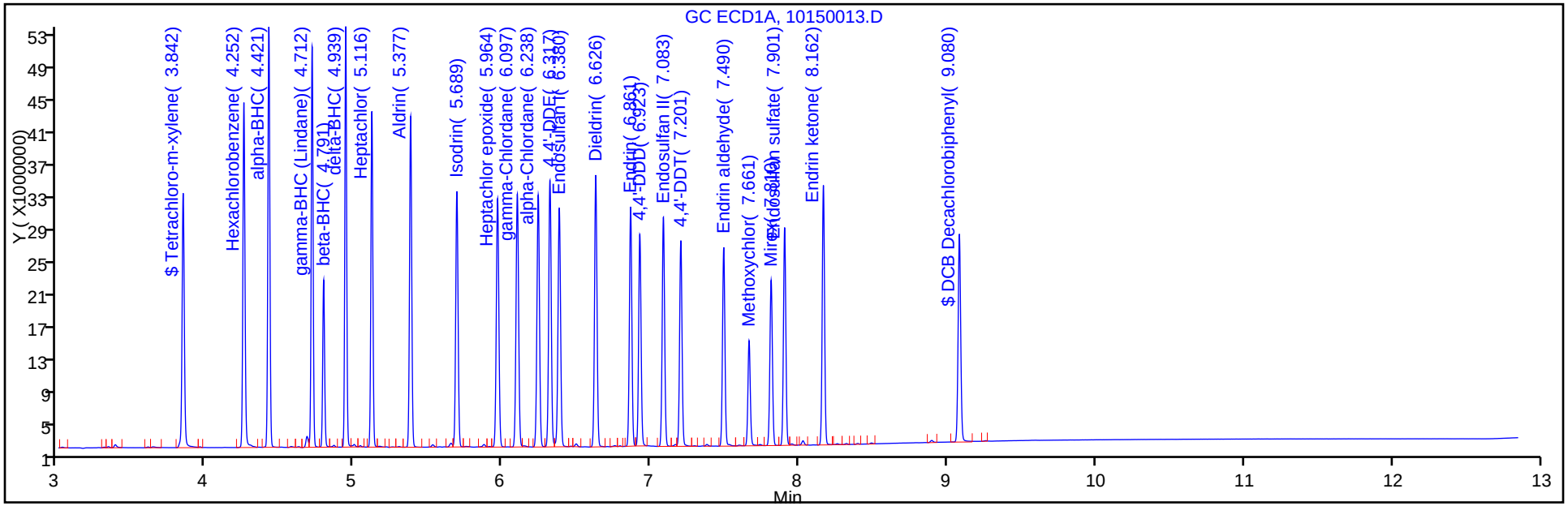
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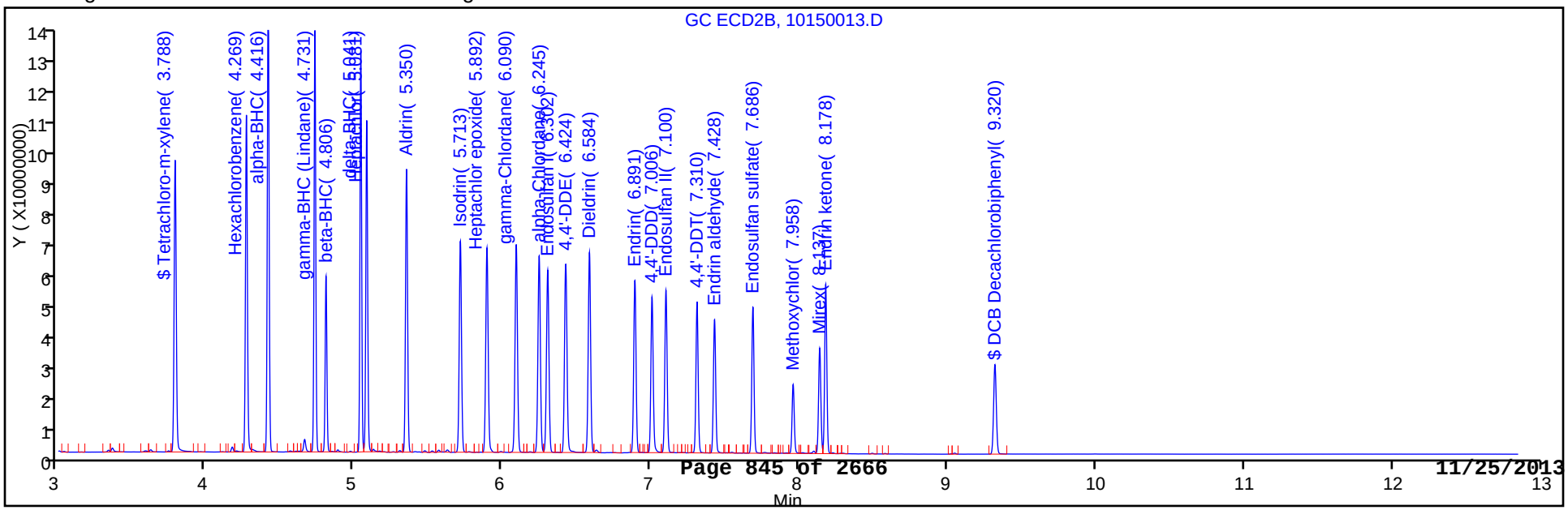
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150013.D

Injection Date:	15-Oct-2013 16:13:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	13
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150014.D		
Lims ID:	STD2 AB	Client ID:	
Inject. Date:	15-Oct-2013 16:29:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 AB		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	8
Lims Batch ID:	196035	Lims Sample ID:	14
Sublist:	chrom-8081 P2*sub2		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:05	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	12713702	9.72			
2	2	3.789	3.789	0.000	37602944	10.2			
						RPD = 4.97			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	16527807	9.88			
2	2	4.269	4.270	-0.001	38452096	10.1			
						RPD = 1.92			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	17827920	9.61			
2	2	4.416	4.416	0.000	48376594	9.93			
						RPD = 3.19			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	16263017	9.61			
2	2	4.731	4.731	0.000	41734695	9.94			
						RPD = 3.38			
12 beta-BHC									
1	100	4.789	4.789	0.000	7151704	9.73			
2	2	4.806	4.806	0.000	18153822	10.2			
						RPD = 4.34			
13 delta-BHC									
1	100	4.939	4.939	0.000	16451820	9.64			
2	2	5.041	5.041	0.000	38697628	9.92			
						RPD = 2.84			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.114	5.115	-0.001	14613700	9.78			
2	2	5.081	5.081	0.000	35650835	10.1			
						RPD = 3.45			
16 Aldrin									
1	-65	5.376	5.376	0.000	15581756	9.71			
2	2	5.350	5.350	0.000	33934065	10.1			
						RPD = 3.63			
18 Isodrin									
1	100	5.689	5.688	0.001	13370397	9.78			
2	2	5.714	5.714	0.000	28270179	10.1			
						RPD = 3.64			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	14064262	9.81			
2	2	5.893	5.893	0.000	29493083	10.2			
						RPD = 3.59			
23 gamma-Chlordane									
1	-65	6.095	6.096	-0.001	14343441	9.68			
2	2	6.090	6.090	0.000	29602274	10.0			
						RPD = 3.66			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	14169561	9.71			
2	2	6.246	6.245	0.001	28073507	10.1			
						RPD = 3.64			
25 4,4'-DDE									
1	-65	6.315	6.316	-0.001	14705722	9.70			
2	2	6.424	6.425	-0.001	27864151	10.1			
						RPD = 3.73			
26 Endosulfan I									
1	100	6.379	6.379	0.000	13759104	9.88			
2	2	6.304	6.303	0.001	26581940	10.2			
						RPD = 3.20			
28 Dieldrin									
1	100	6.625	6.626	-0.001	14685089	9.76			
2	2	6.584	6.585	-0.001	28132707	10.1			
						RPD = 3.78			
30 Endrin									
1	-65	6.860	6.861	-0.001	12802954	9.68			
2	2	6.892	6.891	0.001	23506512	9.95			
						RPD = 2.75			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	11274454	9.72			
2	2	7.008	7.006	0.002	21301301	10.0			
						RPD = 3.07			
34 Endosulfan II									
1	100	7.081	7.081	0.000	12357272	9.85			
2	2	7.100	7.100	0.000	22286659	10.2			
						RPD = 3.72			

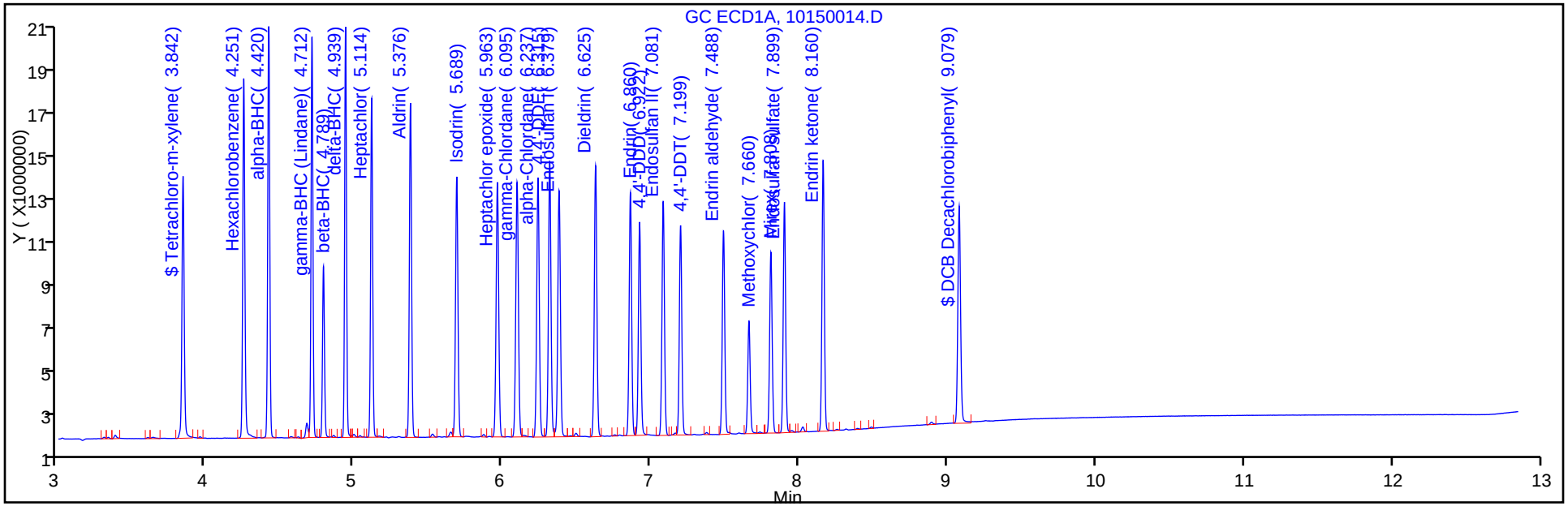
Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.199	0.000	11044895	9.73			
2	2	7.311	7.311	0.000	19233150	9.90			
						RPD = 1.69			
36 Endrin aldehyde									
1	-65	7.488	7.488	0.000	10835292	9.89			
2	2	7.429	7.429	0.000	18136326	10.1			
						RPD = 2.44			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	5867375	10.1			
2	2	7.959	7.958	0.001	9042183	10.1			
						RPD = 0.54			
38 Mirex									
1	100	7.808	7.807	0.001	9783456	10.0			
2	2	8.139	8.138	0.001	14549143	10.1			
						RPD = 1.18			
39 Endosulfan sulfate									
1	-65	7.899	7.899	0.000	11680468	9.90			
2	2	7.688	7.687	0.001	19117456	10.1			
						RPD = 1.81			
40 Endrin ketone									
1	-65	8.160	8.161	-0.001	13693158	9.92			
2	2	8.179	8.179	0.000	21026501	10.1			
						RPD = 1.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	12853177	10.1			
2	2	9.320	9.320	0.000	14547893	10.2			
						RPD = 0.48			

Report Date: 17-Oct-2013 05:36:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

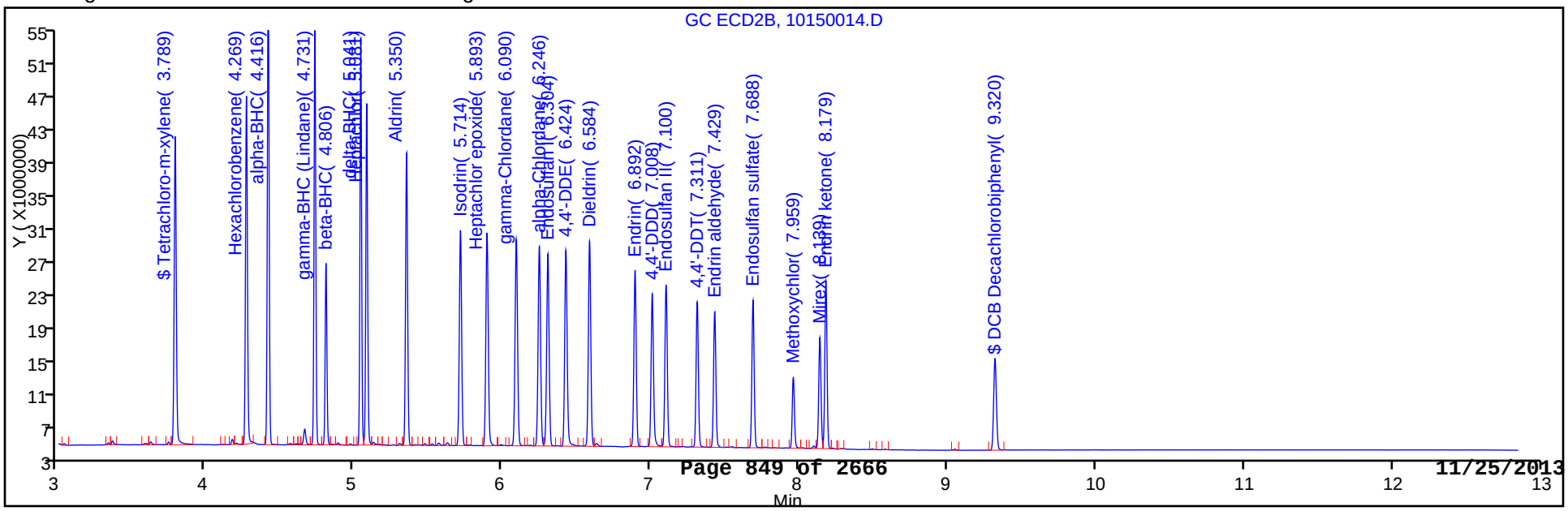
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150014.D		
Injection Date:	15-Oct-2013 16:29:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	14
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150015.D
Lims ID: STD1 AB Client ID:
Inject. Date: 15-Oct-2013 16:46:02 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STD1 AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 196035 Lims Sample ID: 15
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:06 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	5339708	4.03			
2	2	3.789	3.789	0.000	16239894	3.94			
						RPD = 2.09			
8 Hexachlorobenzene									
1	100	4.252	4.251	0.001	6968987	4.00			
2	2	4.269	4.270	-0.001	17066086	3.97			
						RPD = 0.89			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	7152111	4.05			
2	2	4.417	4.416	0.001	20583222	3.99			
						RPD = 1.32			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.712	0.000	6676862	4.04			
2	2	4.732	4.731	0.001	17960376	3.99			
						RPD = 1.36			
12 beta-BHC									
1	100	4.790	4.789	0.001	3173375	4.03			
2	2	4.807	4.806	0.001	8115376	3.95			
						RPD = 1.84			
13 delta-BHC									
1	100	4.939	4.939	0.000	6647342	4.04			
2	2	5.042	5.041	0.001	16559974	3.99			
						RPD = 1.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	6101017	4.02			
2	2	5.082	5.081	0.001	15634137	3.95			
						RPD = 1.57			
16 Aldrin									
1	-65	5.377	5.376	0.001	6356478	4.03			
2	2	5.350	5.350	0.000	14545252	3.97			
						RPD = 1.57			
18 Isodrin									
1	100	5.689	5.688	0.001	5598156	4.02			
2	2	5.713	5.714	-0.001	12347578	3.96			
						RPD = 1.56			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	5949949	4.01			
2	2	5.892	5.893	-0.001	12980566	3.95			
						RPD = 1.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	5993561	4.04			
2	2	6.090	6.090	0.000	12830896	3.97			
						RPD = 1.53			
24 alpha-Chlordane									
1	-65	6.237	6.237	0.000	5986766	4.03			
2	2	6.245	6.245	0.000	12217327	3.97			
						RPD = 1.54			
25 4,4'-DDE									
1	-65	6.317	6.316	0.001	6037423	4.03			
2	2	6.425	6.425	0.000	11868460	3.97			
						RPD = 1.62			
26 Endosulfan I									
1	100	6.380	6.379	0.001	5796323	4.00			
2	2	6.302	6.303	-0.001	11563424	3.94			
						RPD = 1.47			
28 Dieldrin									
1	100	6.626	6.626	0.000	6110594	4.02			
2	2	6.584	6.585	-0.001	12079530	3.96			
						RPD = 1.45			
30 Endrin									
1	-65	6.861	6.861	0.000	5340998	4.04			
2	2	6.892	6.891	0.001	10153262	3.99			
						RPD = 1.11			
32 4,4'-DDD									
1	100	6.923	6.922	0.001	4686779	4.03			
2	2	7.007	7.006	0.001	9019165	3.98			
						RPD = 1.27			
34 Endosulfan II									
1	100	7.082	7.081	0.001	5139604	4.00			
2	2	7.101	7.100	0.001	9369960	3.94			
						RPD = 1.55			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.200	7.199	0.001	4556279	4.03			
2	2	7.311	7.311	0.000	8088894	4.00			
						RPD = 0.69			
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	4647897	4.00			
2	2	7.428	7.429	-0.001	7894943	3.96			
						RPD = 1.02			
37 Methoxychlor									
1	-65	7.661	7.660	0.001	2536638	3.98			
2	2	7.959	7.958	0.001	3868818	3.96			
						RPD = 0.35			
38 Mirex									
1	100	7.808	7.807	0.001	4297504	3.98			
2	2	8.137	8.138	-0.001	6506716	3.96			
						RPD = 0.61			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	4970016	4.00			
2	2	7.687	7.687	0.000	8361728	3.96			
						RPD = 0.89			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	5814342	3.99			
2	2	8.178	8.179	-0.001	9094409	3.96			
						RPD = 0.68			
$ 41 DCB Decachlorobiphenyl									
1	1	9.080	9.078	0.002	5550420	3.97			
2	2	9.320	9.320	0.000	6348501	3.96			
						RPD = 0.23			

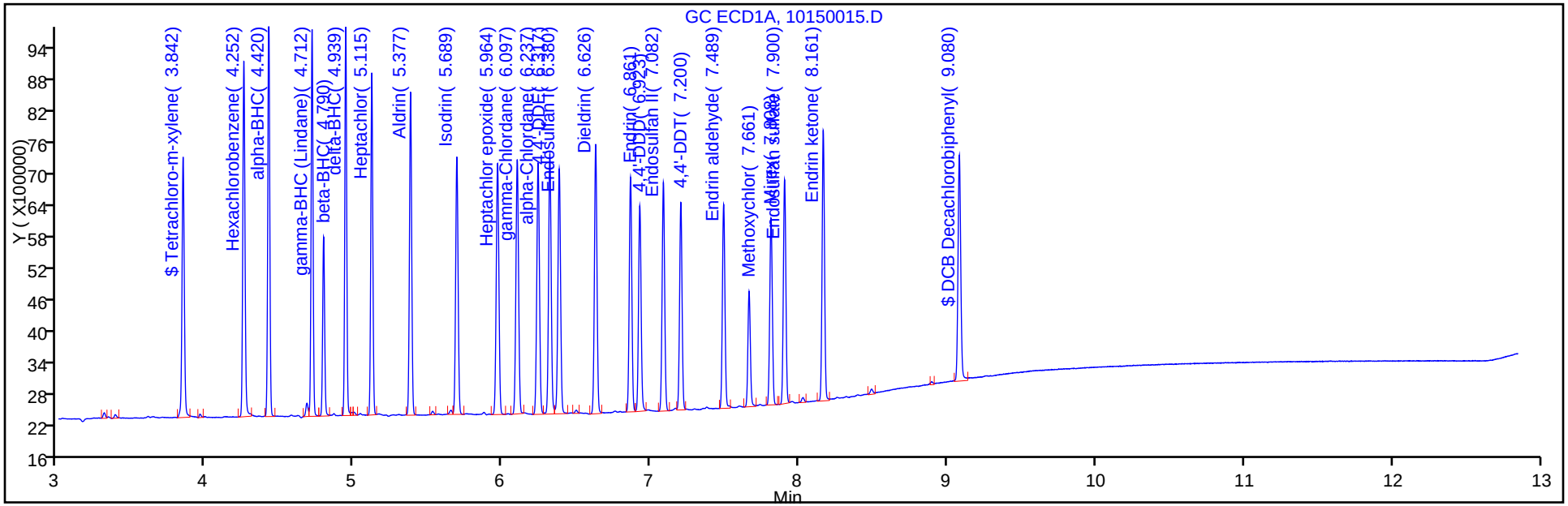
Report Date: 17-Oct-2013 05:36:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

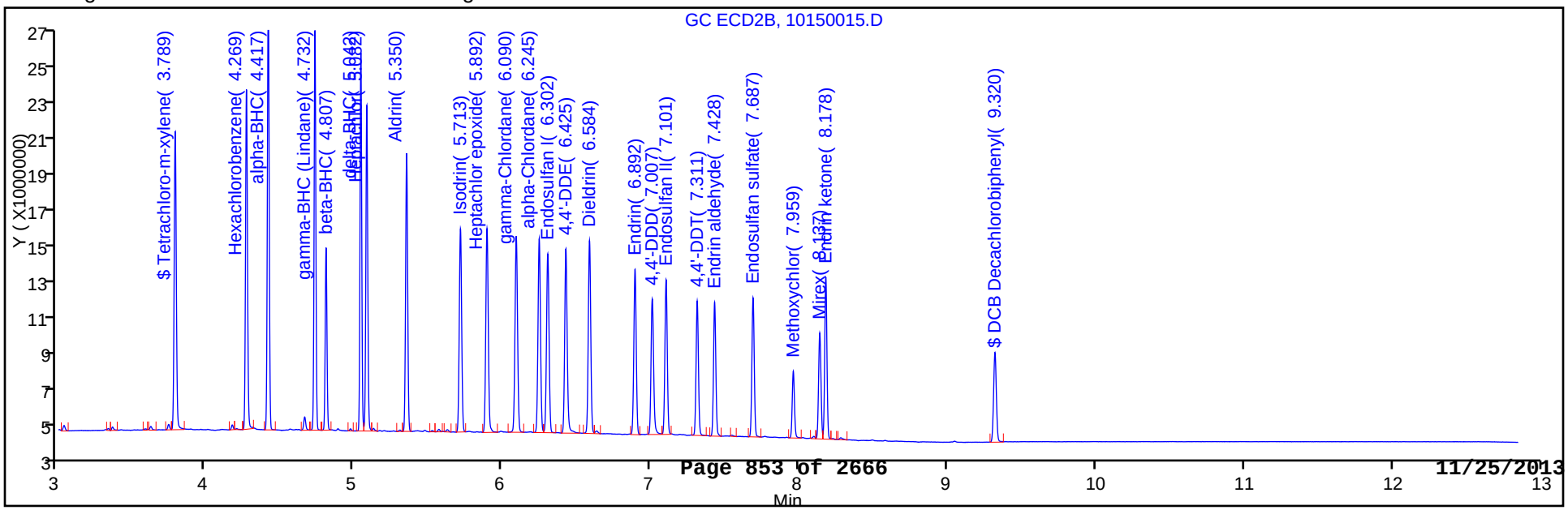
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Injection Date:	15-Oct-2013 16:46:02	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	15
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	6.236	6.237	6.236	6.235	6.235	6.236					6.215 - 6.255	6.236
Toxaphene Peak 2	6.721	6.722	6.721	6.721	6.722	6.721					6.701 - 6.741	6.721
Toxaphene Peak 3	7.407	7.408	7.407	7.407	7.407	7.408					7.387 - 7.427	7.407
Toxaphene Peak 4	7.812	7.812	7.810	7.811	7.811	7.811					7.791 - 7.831	7.811
Toxaphene Peak 5	8.144	8.144	8.144	8.144	8.145	8.145					8.124 - 8.164	8.144

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	4748.4 3967.4	4662.8 4438.6	4482.2	4049.0	Lin2	124606.707	4208.64115							0.9960		0.9900
Toxaphene Peak 2	22749 22070	22625 22938	23220	21589	Lin2	82688.9348	22410.5990							0.9990		0.9900
Toxaphene Peak 3	33841 33334	33901 34002	35421	32887	Lin2	36658.4561	33843.6627							0.9990		0.9900
Toxaphene Peak 4	62277 65107	63581 66459	66698	60254	Lin2	-500908.06	64797.3940							0.9980		0.9900
Toxaphene Peak 5	34579 38159	36237 38880	38258	36360	Lin2	-745623.99	38172.3971							0.9990		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15961

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	949677 44386037	2331422	4482174	8098014	19836861	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	4549851 229375178	11312556	23219881	43178108	110352185	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	6768100 340015496	16950284	35420813	65774340	166669850	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	12455400 664594188	31790576	66698060	120507323	325535403	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	6915719 388803471	18118485	38257896	72720167	190794999	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:30:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	196035	Lims Sample ID:	25
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:18	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:04:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	44386037	10517		100.0	M
1	-65	6.721	6.721	0.000	229375178	10231	513.2- 553.2	516.8	M
1	-65	7.408	7.407	0.001	340015496	10046	792.2- 832.2	766.0	M
1	-65	7.811	7.811	0.000	664594188	10264	1468.1-1508.1	1497.3	M
1	-65	8.145	8.144	0.001	388803471	10205	878.0- 918.0	876.0	M
			Average of Peak Amounts =			10253			
2	6	6.563	6.561	0.002	282303718	9304.7		100.0	
2	7	6.832	6.831	0.001	608635398	9642.5	165.8- 225.8	215.6	
2	8	7.183	7.182	0.001	841500554	9569.3	243.1- 303.1	298.1	
2	9	7.435	7.433	0.002	1037917538	9631.5	301.5- 361.5	367.7	
2	10	8.268	8.266	0.002	423681435	9771.0	105.5- 165.5	150.1	
			Average of Peak Amounts =			9583.8			
						RPD = 6.74			

QC Flag Legend

Review Flags
M - Manually Integrated

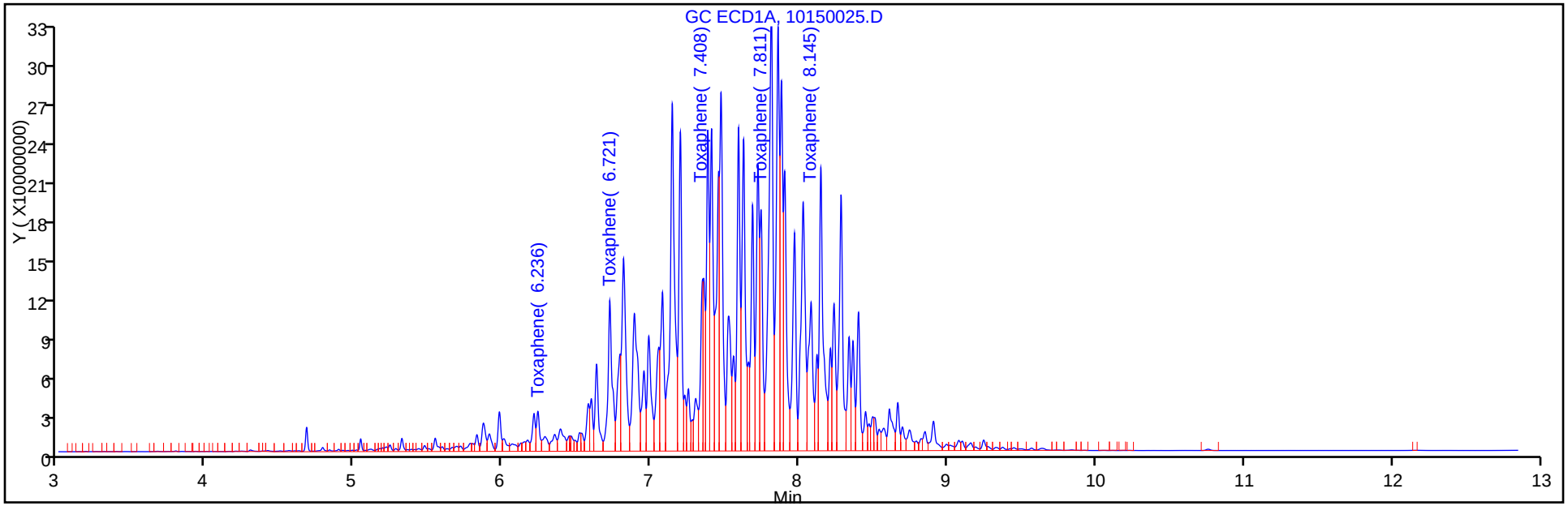
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TestAmerica Denver

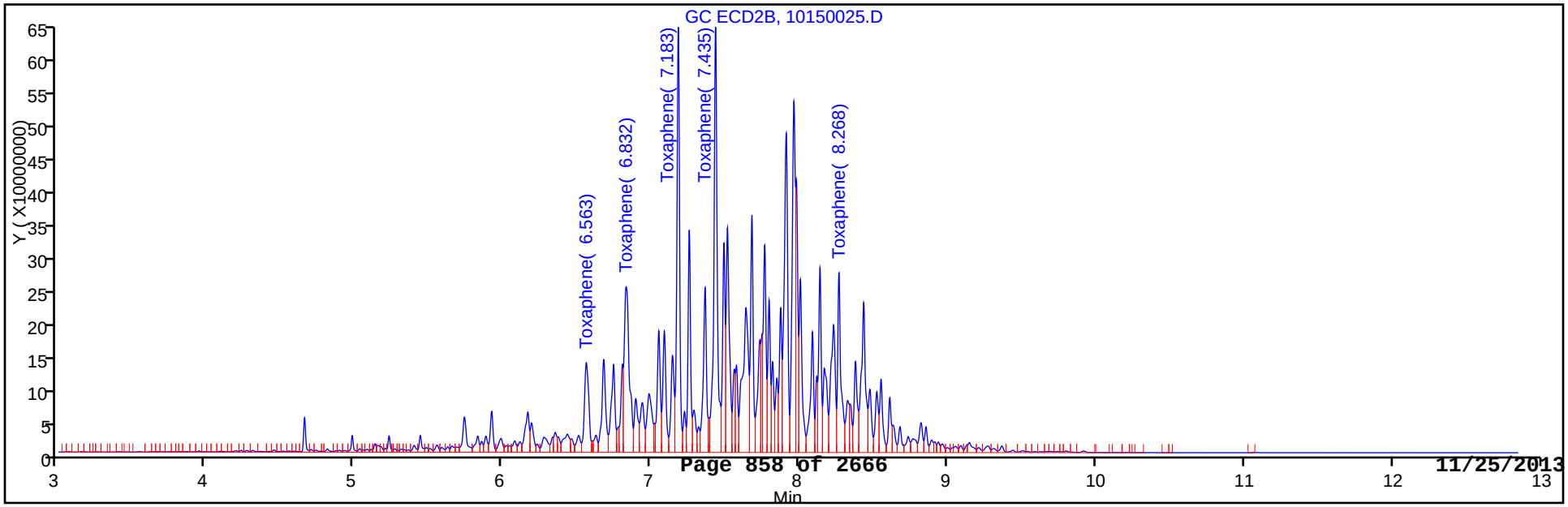
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Injection Date:	15-Oct-2013 19:30:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



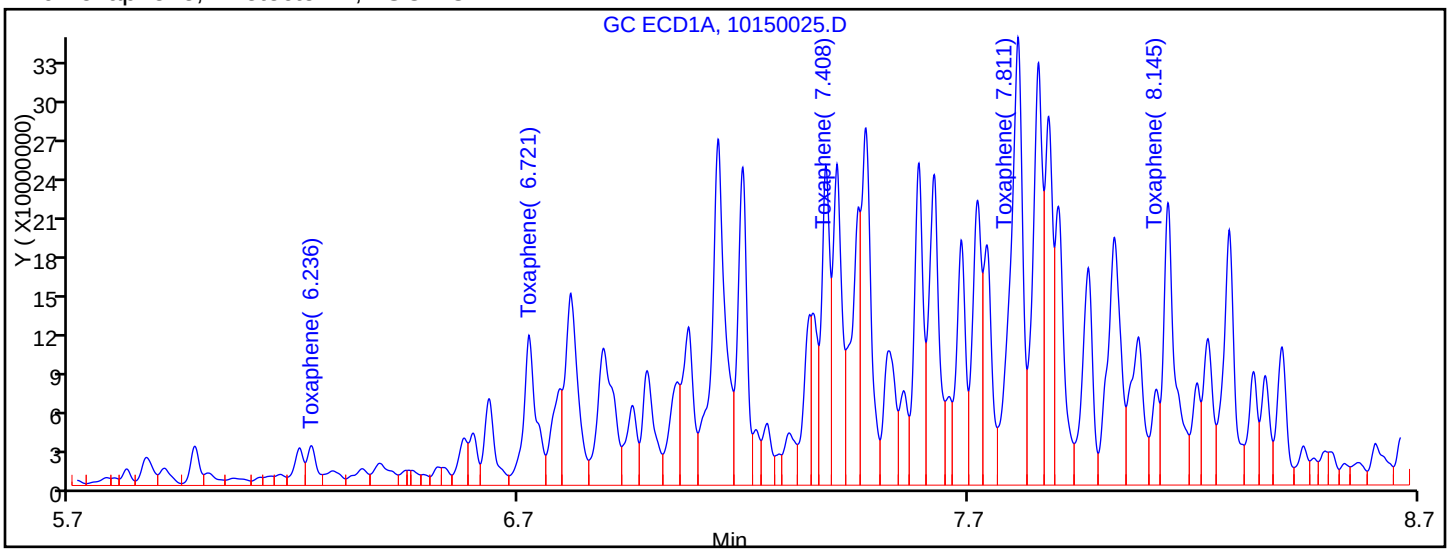
Report Date: 17-Oct-2013 05:36:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D

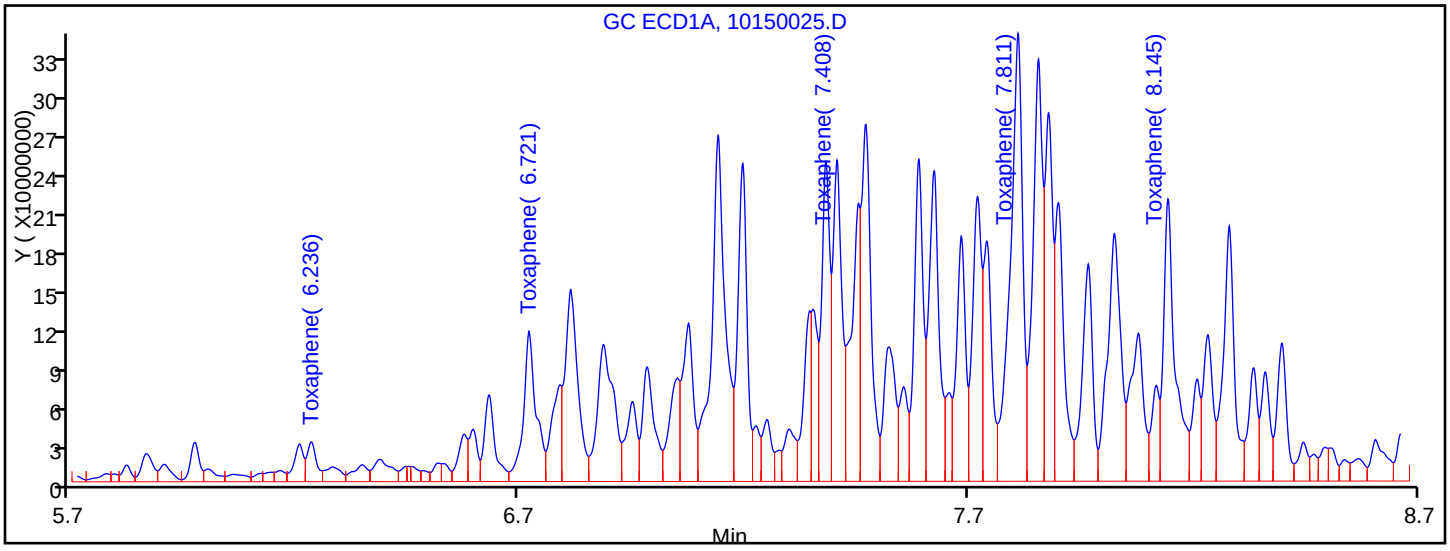
Injection Date:	15-Oct-2013 19:30:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 44094218	M
RT = 6.721	Response = 228924963	M
RT = 7.408	Response = 339929678	M
RT = 7.811	Response = 664526205	M
RT = 8.145	Response = 388836724	M



Manual Integration Results

RT = 6.236	Response = 44386037	M
RT = 6.721	Response = 229375178	M
RT = 7.408	Response = 340015496	M
RT = 7.811	Response = 664594188	M
RT = 8.145	Response = 388803471	M

Reviewer: wellsd, 15-Oct-2013 21:04:58

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:46:33	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	196035	Lims Sample ID:	26
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:19	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:05:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	19836861	4683.8		100.0	M
1	-65	6.722	6.721	0.001	110352185	4920.4	513.2- 553.2	556.3	M
1	-65	7.407	7.407	0.000	166669850	4923.6	792.2- 832.2	840.2	M
1	-65	7.811	7.811	0.000	325535403	5031.6	1468.1-1508.1	1641.1	M
1	-65	8.145	8.144	0.001	190794999	5017.8	878.0- 918.0	961.8	M
			Average of Peak Amounts =			4915.4			
2	6	6.561	6.561	0.000	141337419	4606.3		100.0	
2	7	6.830	6.831	-0.001	306759250	4832.6	165.8- 225.8	217.0	
2	8	7.183	7.182	0.001	428477188	4849.6	243.1- 303.1	303.2	
2	9	7.433	7.433	0.000	525307706	4853.6	301.5- 361.5	371.7	
2	10	8.267	8.266	0.001	211015351	4855.8	105.5- 165.5	149.3	
			Average of Peak Amounts =			4799.6			
						RPD = 2.39			

QC Flag Legend

Review Flags
M - Manually Integrated

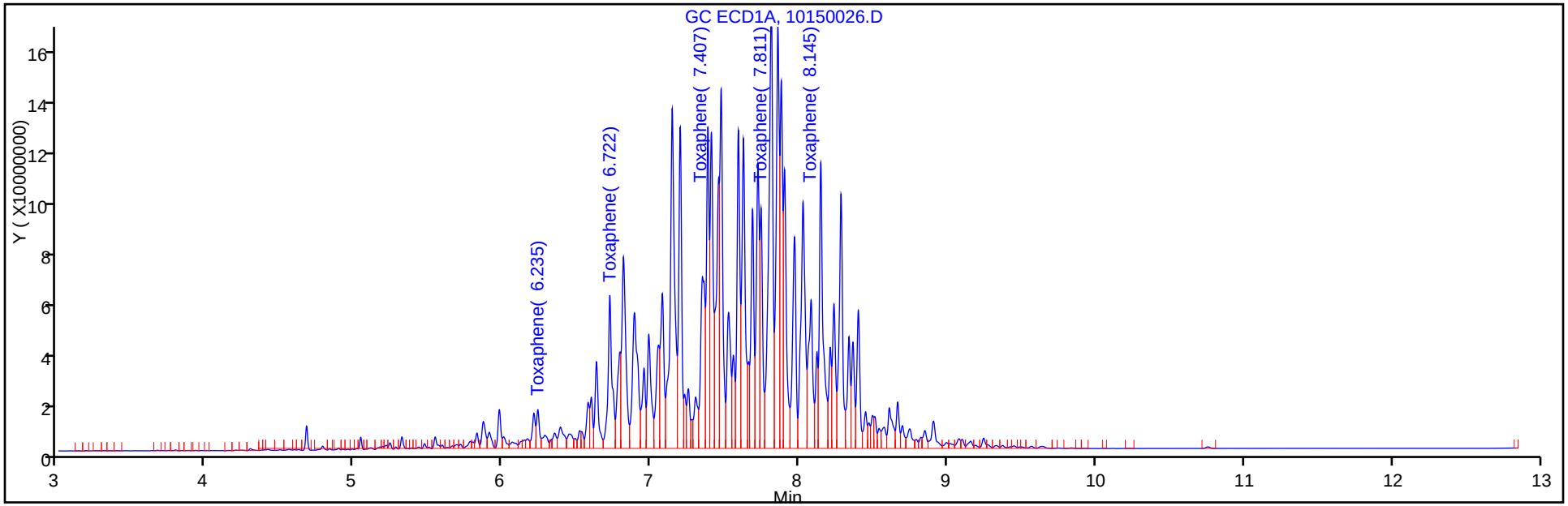
Report Date: 17-Oct-2013 05:36:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

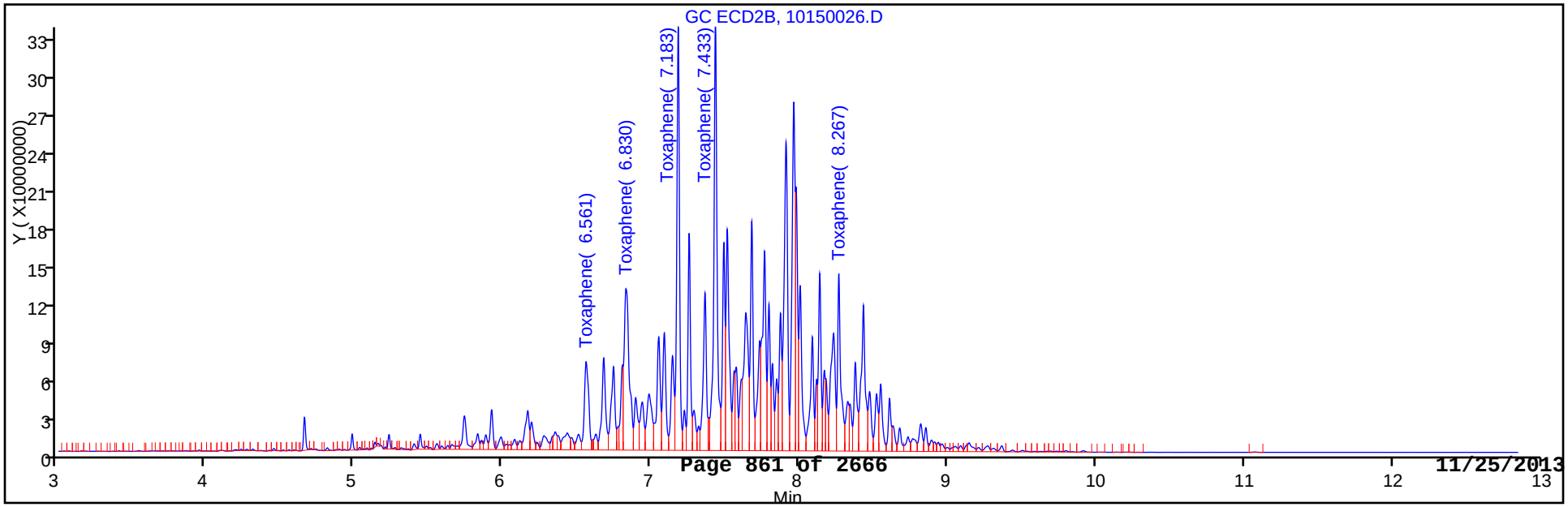
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D

Injection Date:	15-Oct-2013 19:46:33	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



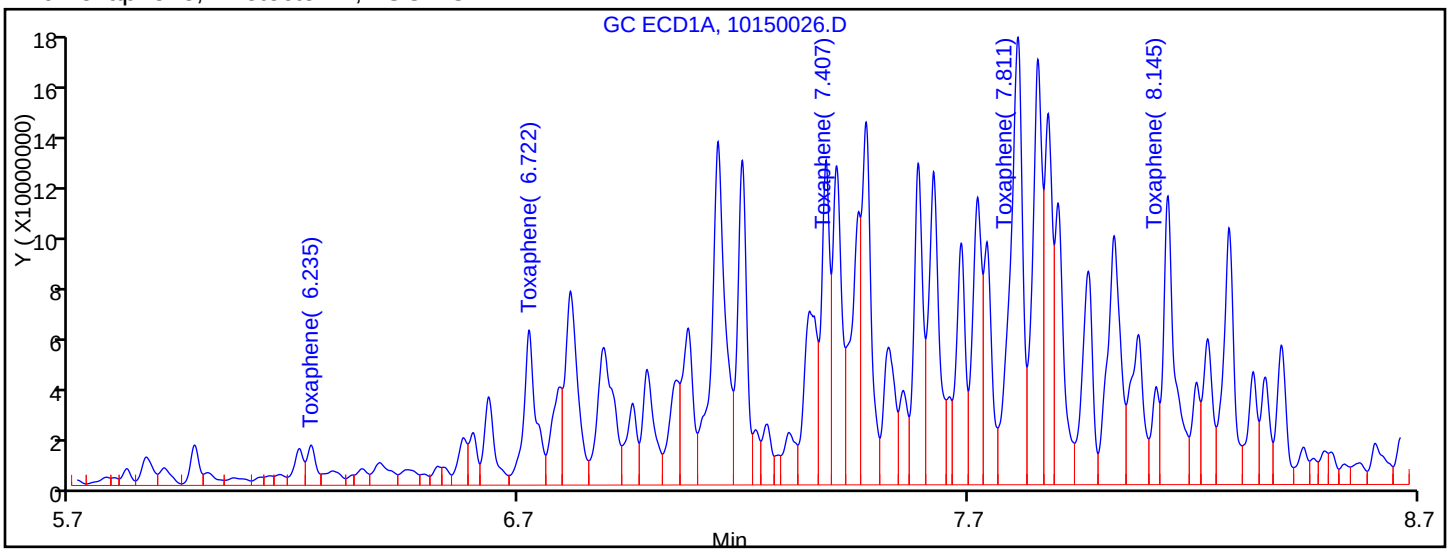
Report Date: 17-Oct-2013 05:36:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D

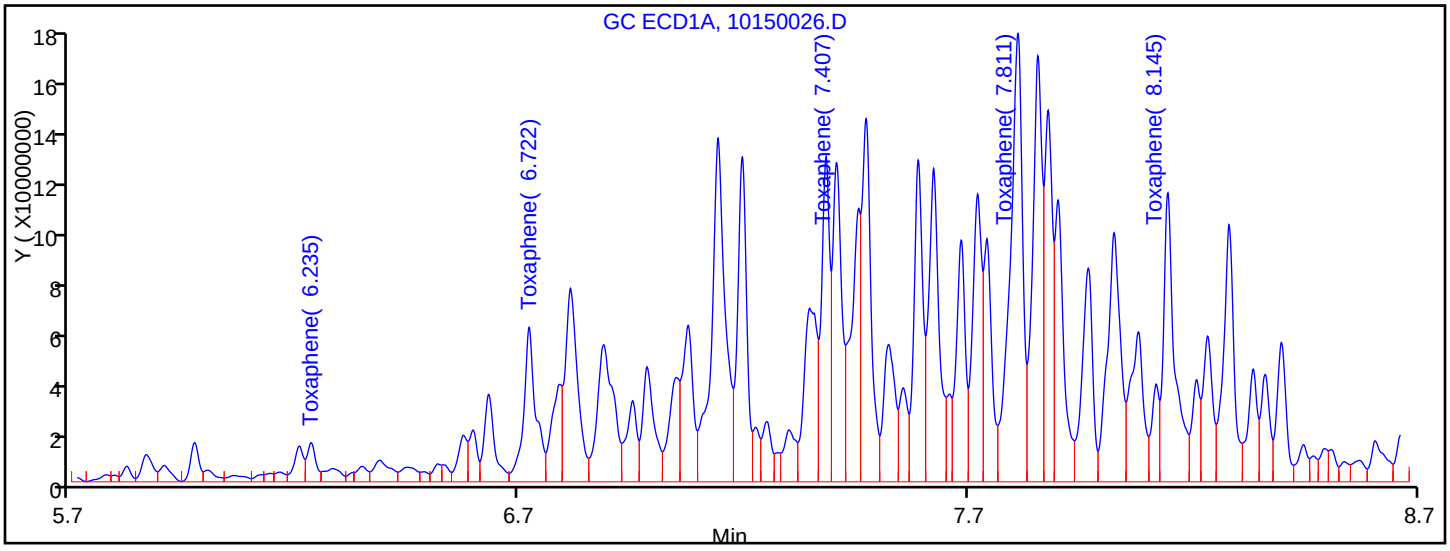
Injection Date:	15-Oct-2013 19:46:33	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.235	Response = 20691537	M
RT = 6.722	Response = 112049273	M
RT = 7.407	Response = 167147026	M
RT = 7.811	Response = 326320494	M
RT = 8.145	Response = 191402218	M



Manual Integration Results

RT = 6.235	Response = 19836861	M
RT = 6.722	Response = 110352185	M
RT = 7.407	Response = 166669850	M
RT = 7.811	Response = 325535403	M
RT = 8.145	Response = 190794999	M

Reviewer: wellsd, 15-Oct-2013 21:05:31

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:02:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	196035	Lims Sample ID:	27
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:20	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	8098014	1894.5		100.0	
1	-65	6.721	6.721	0.000	43178108	1923.0	513.2- 553.2	533.2	
1	-65	7.407	7.407	0.000	65774340	1942.4	792.2- 832.2	812.2	
1	-65	7.811	7.811	0.000	120507323	1867.5	1468.1-1508.1	1488.1	
1	-65	8.144	8.144	0.000	72720167	1924.6	878.0- 918.0	898.0	
			Average of Peak Amounts =			1910.4			
2	6	6.561	6.561	0.000	65576435	2081.2		100.0	M
2	7	6.831	6.831	0.000	128407215	1990.8	165.8- 225.8	195.8	M
2	8	7.182	7.182	0.000	179091205	1999.9	243.1- 303.1	273.1	M
2	9	7.433	7.433	0.000	217370281	1983.4	301.5- 361.5	331.5	M
2	10	8.266	8.266	0.000	88826412	2031.7	105.5- 165.5	135.5	M
			Average of Peak Amounts =			2017.4			
						RPD = 5.45			

QC Flag Legend

Review Flags
M - Manually Integrated

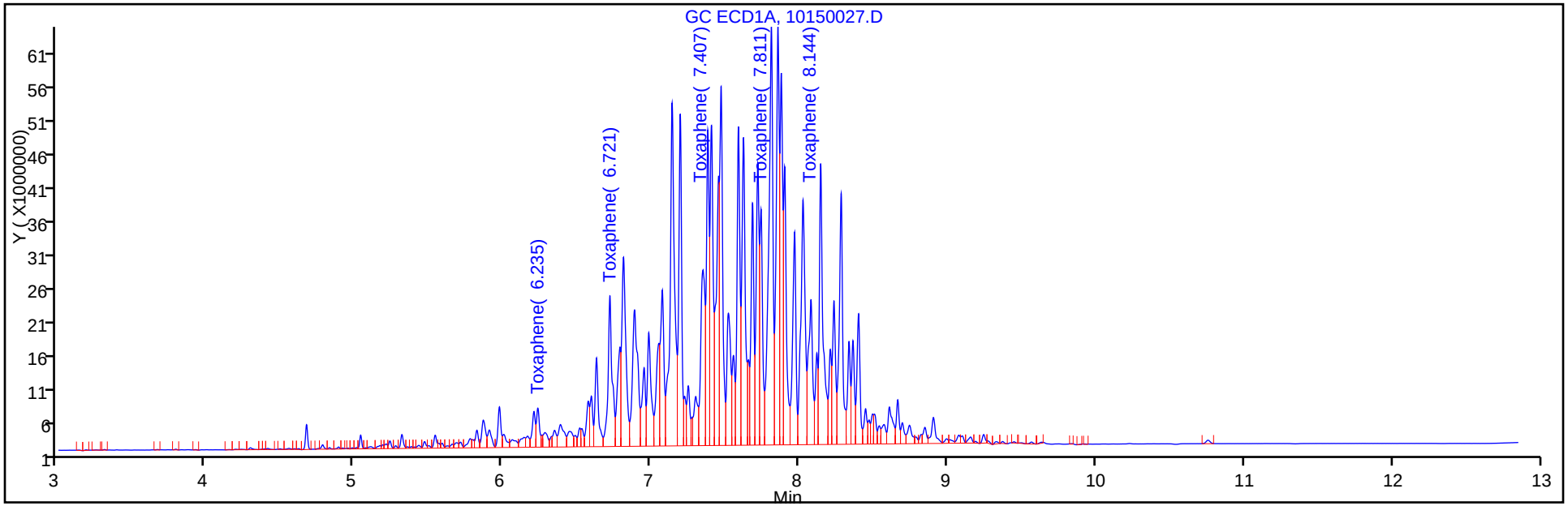
Report Date: 17-Oct-2013 05:36:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

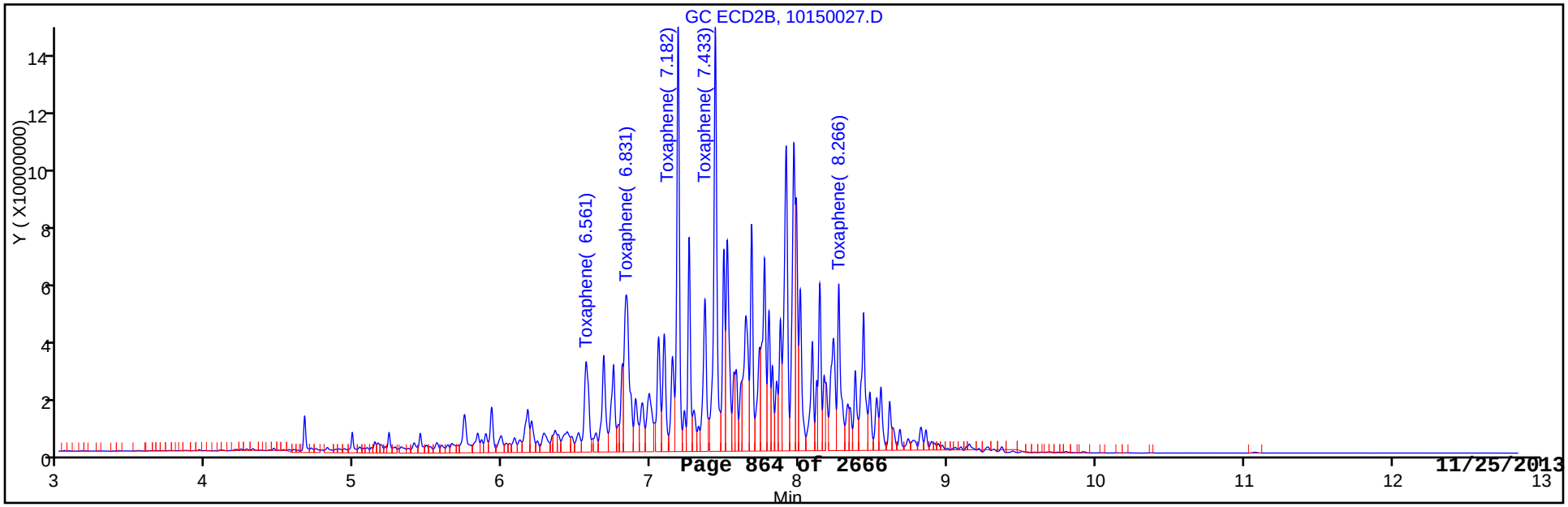
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D

Injection Date:	15-Oct-2013 20:02:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:19:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	196035	Lims Sample ID:	28
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:22	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	4482174	1035.4		100.0	M
1	-65	6.721	6.721	0.000	23219881	1032.4	513.2- 553.2	518.0	M
1	-65	7.407	7.407	0.000	35420813	1045.5	792.2- 832.2	790.3	M
1	-65	7.810	7.811	-0.001	66698060	1037.1	1468.1-1508.1	1488.1	M
1	-65	8.144	8.144	0.000	38257896	1021.8	878.0- 918.0	853.6	M
			Average of Peak Amounts =			1034.4			
2	6	6.562	6.561	0.001	36719362	1119.4		100.0	M
2	7	6.831	6.831	0.000	70885959	1074.3	165.8- 225.8	193.0	M
2	8	7.182	7.182	0.000	98019682	1073.5	243.1- 303.1	266.9	M
2	9	7.433	7.433	0.000	119779628	1073.8	301.5- 361.5	326.2	M
2	10	8.265	8.266	-0.001	46350674	1050.0	105.5- 165.5	126.2	M
			Average of Peak Amounts =			1078.2			
						RPD = 4.14			

QC Flag Legend

Review Flags
M - Manually Integrated

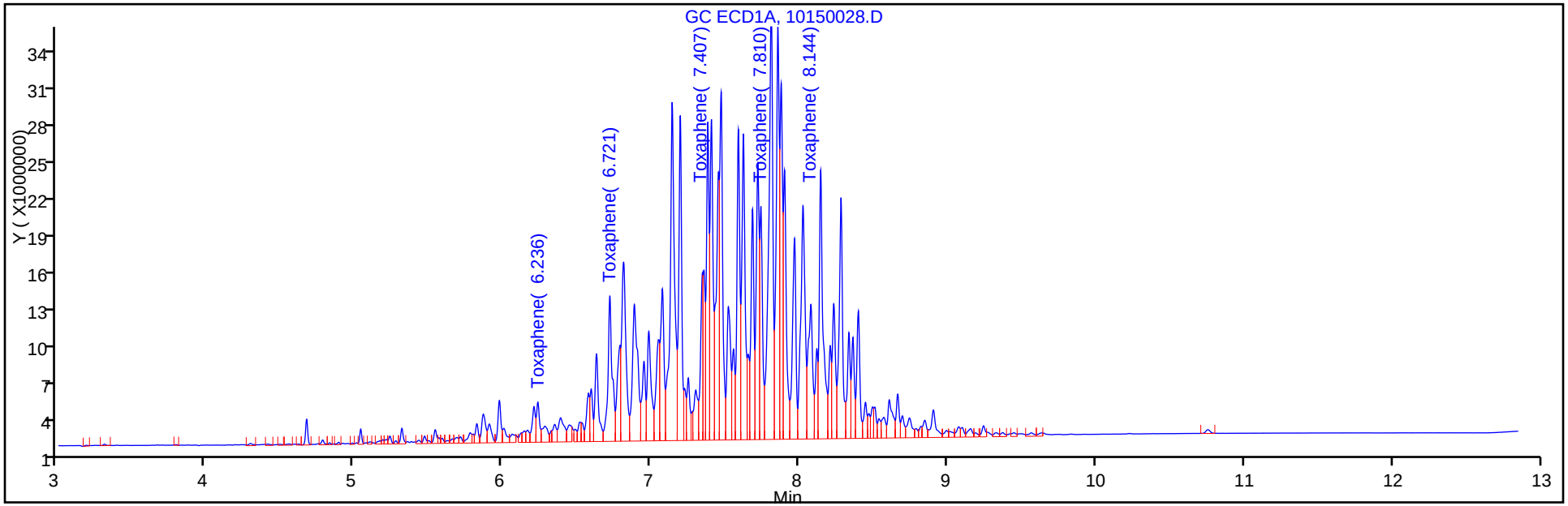
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

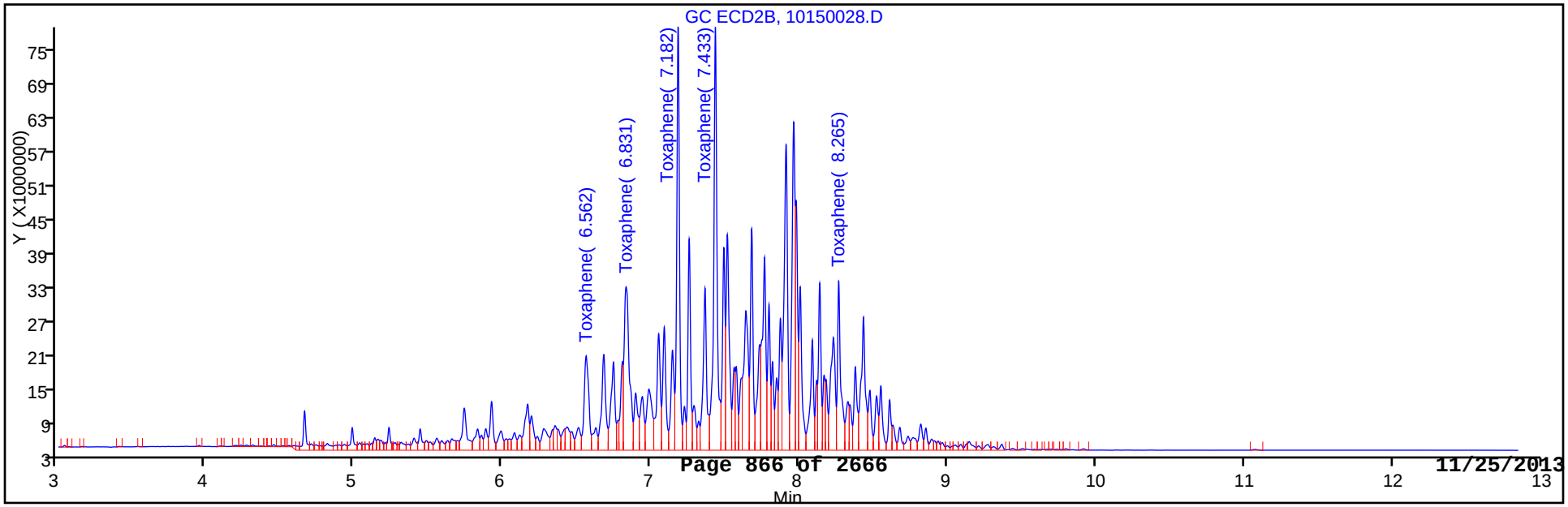
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



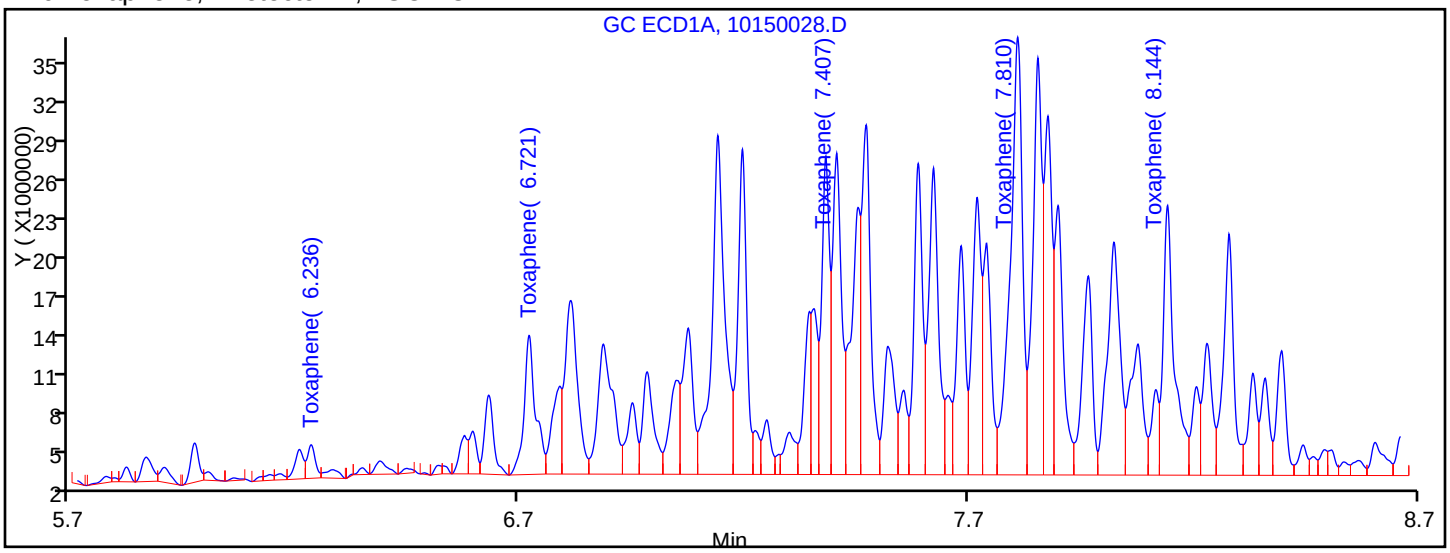
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

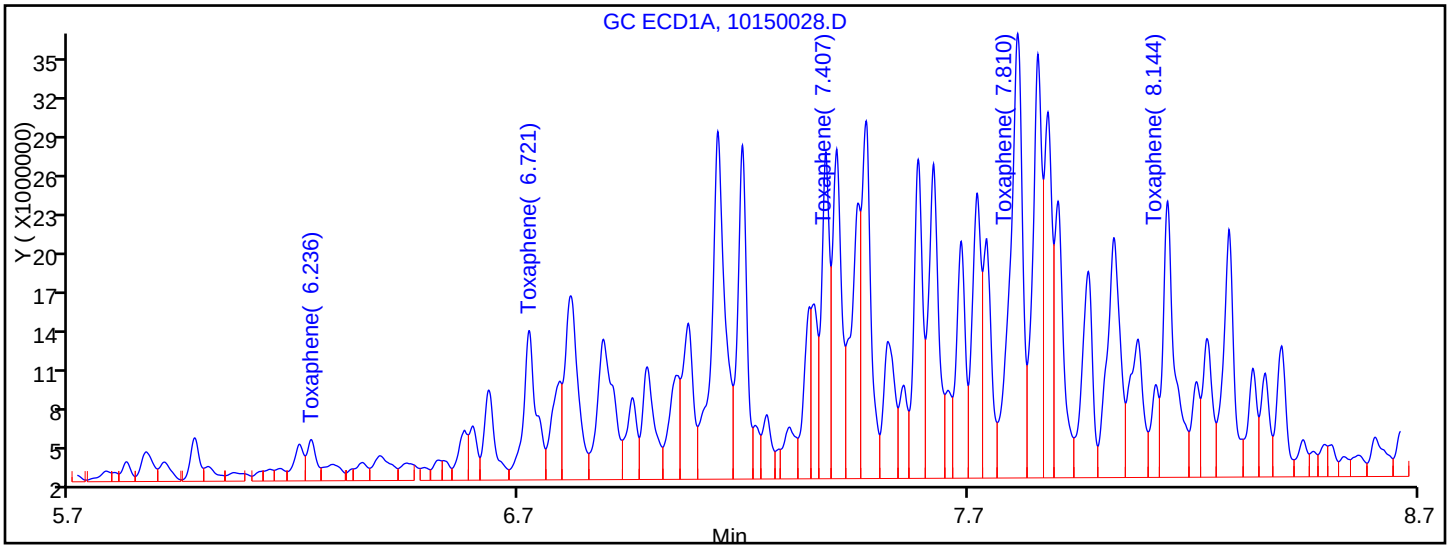
Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 3194929	M
RT = 6.721	Response = 19160023	M
RT = 7.407	Response = 34000477	M
RT = 7.810	Response = 64098888	M
RT = 8.144	Response = 35980903	M



Manual Integration Results

RT = 6.236	Response = 4482174	M
RT = 6.721	Response = 23219881	M
RT = 7.407	Response = 35420813	M
RT = 7.810	Response = 66698060	M
RT = 8.144	Response = 38257896	M

Reviewer: wellsd, 15-Oct-2013 21:06:42

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:35:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	196035	Lims Sample ID:	29
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:23	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:07:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.237	6.235	0.002	2331422	524.4		100.0	M
1	-65	6.722	6.721	0.001	11312556	501.1	513.2- 553.2	485.2	M
1	-65	7.408	7.407	0.001	16950284	499.8	792.2- 832.2	727.0	M
1	-65	7.812	7.811	0.001	31790576	498.3	1468.1-1508.1	1363.6	M
1	-65	8.144	8.144	0.000	18118485	494.2	878.0- 918.0	777.1	M
			Average of Peak Amounts =			503.5			
2	6	6.561	6.561	0.000	18428178	509.7		100.0	
2	7	6.832	6.831	0.001	35459960	509.9	165.8- 225.8	192.4	
2	8	7.182	7.182	0.000	48737796	510.3	243.1- 303.1	264.5	
2	9	7.433	7.433	0.000	59342310	510.5	301.5- 361.5	322.0	
2	10	8.267	8.266	0.001	22409282	496.6	105.5- 165.5	121.6	
			Average of Peak Amounts =			507.4			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

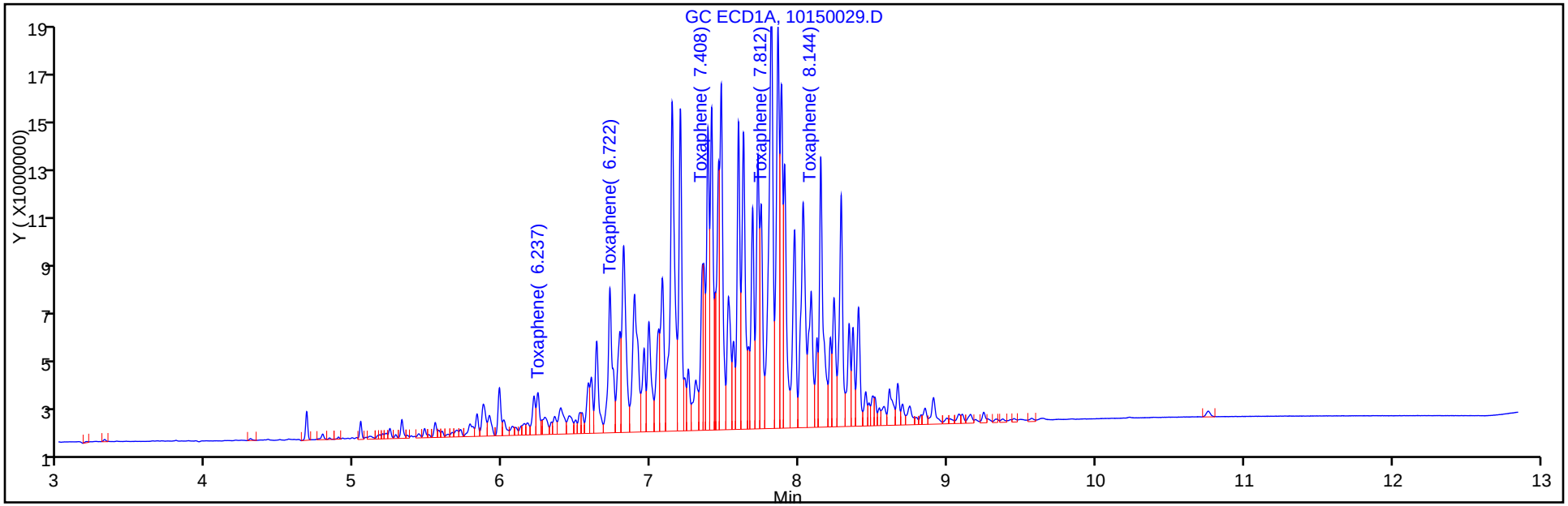
Report Date: 17-Oct-2013 05:36:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

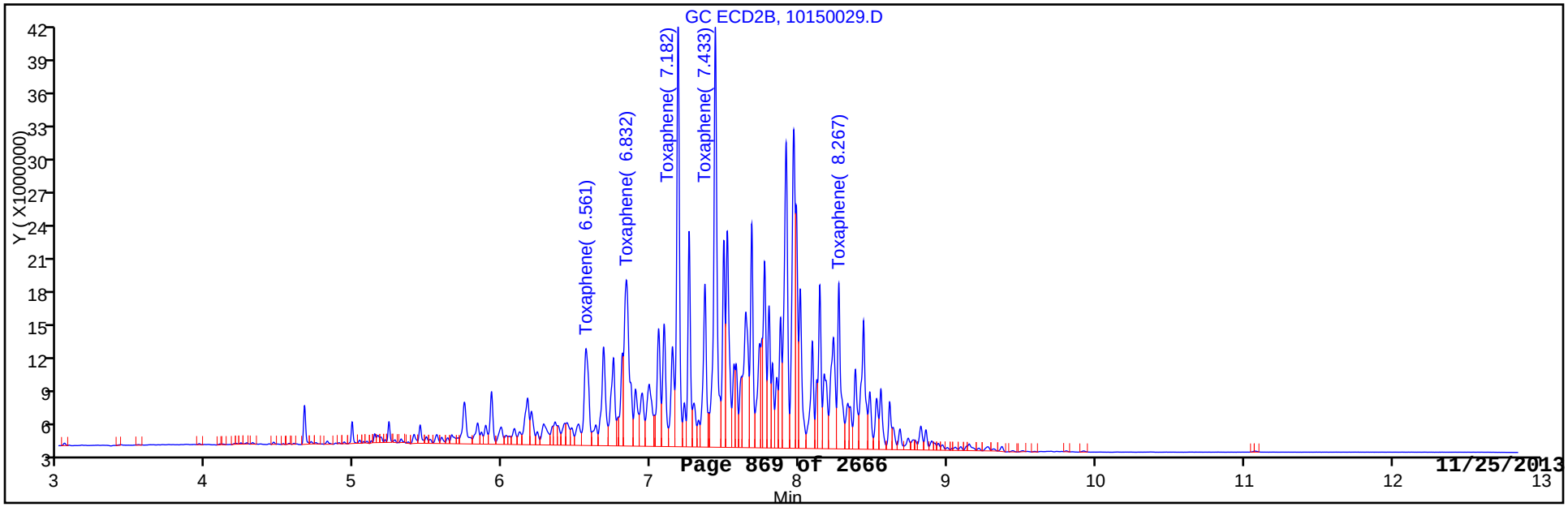
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D

Injection Date:	15-Oct-2013 20:35:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



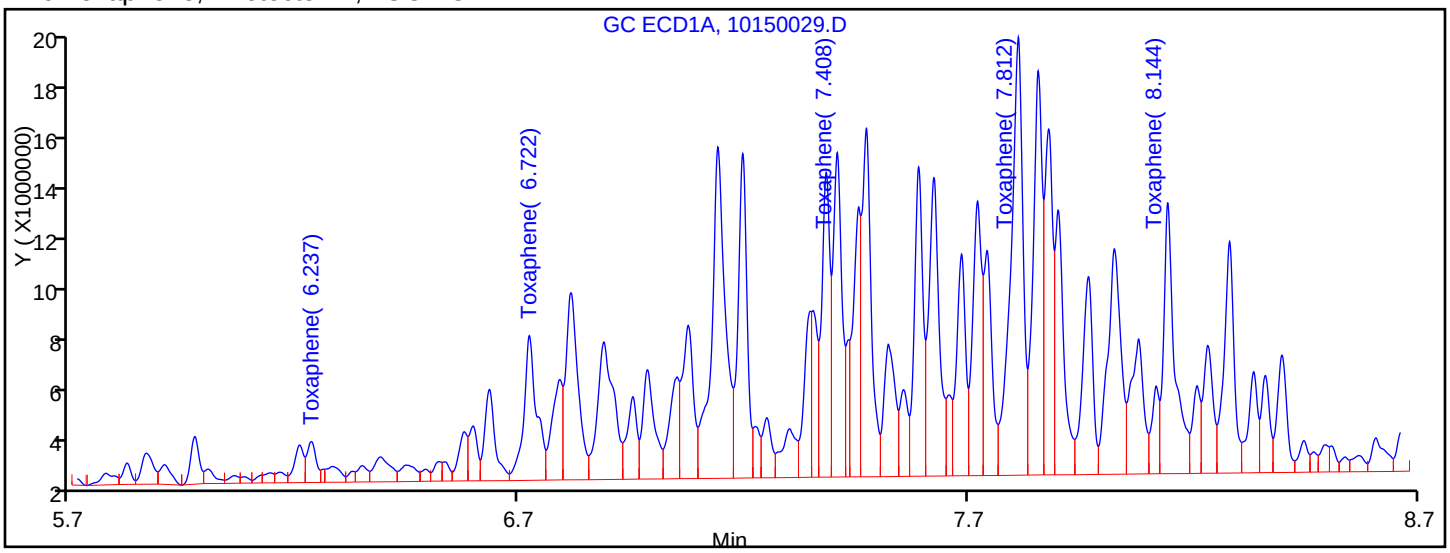
Report Date: 17-Oct-2013 05:36:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D

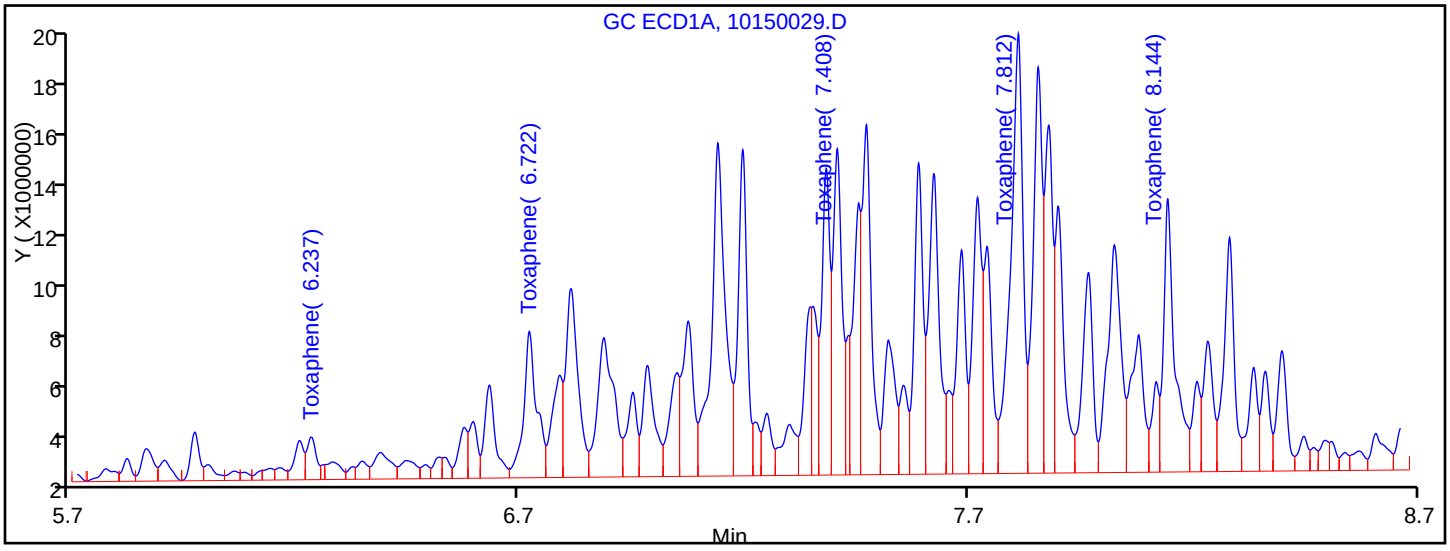
Injection Date:	15-Oct-2013 20:35:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.237	Response = 2197639	M
RT = 6.722	Response = 10965973	M
RT = 7.408	Response = 16773200	M
RT = 7.812	Response = 31397097	M
RT = 8.144	Response = 17687867	M



Manual Integration Results

RT = 6.237	Response = 2331422	M
RT = 6.722	Response = 11312556	M
RT = 7.408	Response = 16950284	M
RT = 7.812	Response = 31790576	M
RT = 8.144	Response = 18118485	M

Reviewer: wellsd, 15-Oct-2013 21:07:16

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D		
Lims ID:	STD1 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:52:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	196035	Lims Sample ID:	30
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:25	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 22:19:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	949677	196.0		100.0	M
1	-65	6.721	6.721	0.000	4549851	199.3	513.2- 553.2	479.1	M
1	-65	7.407	7.407	0.000	6768100	198.9	792.2- 832.2	712.7	M
1	-65	7.812	7.811	0.001	12455400	200.0	1468.1-1508.1	1311.5	M
1	-65	8.144	8.144	0.000	6915719	200.7	878.0- 918.0	728.2	M
			Average of Peak Amounts =			199.0			
2	6	6.563	6.561	0.002	8947892	193.8		100.0	M
2	7	6.832	6.831	0.001	15757788	196.0	165.8- 225.8	176.1	M
2	8	7.182	7.182	0.000	21216556	195.8	243.1- 303.1	237.1	M
2	9	7.433	7.433	0.000	25590535	195.9	301.5- 361.5	286.0	M
2	10	8.266	8.266	0.000	9513424	198.6	105.5- 165.5	106.3	M
			Average of Peak Amounts =			196.0			
						RPD = 1.51			

QC Flag Legend

Review Flags
M - Manually Integrated

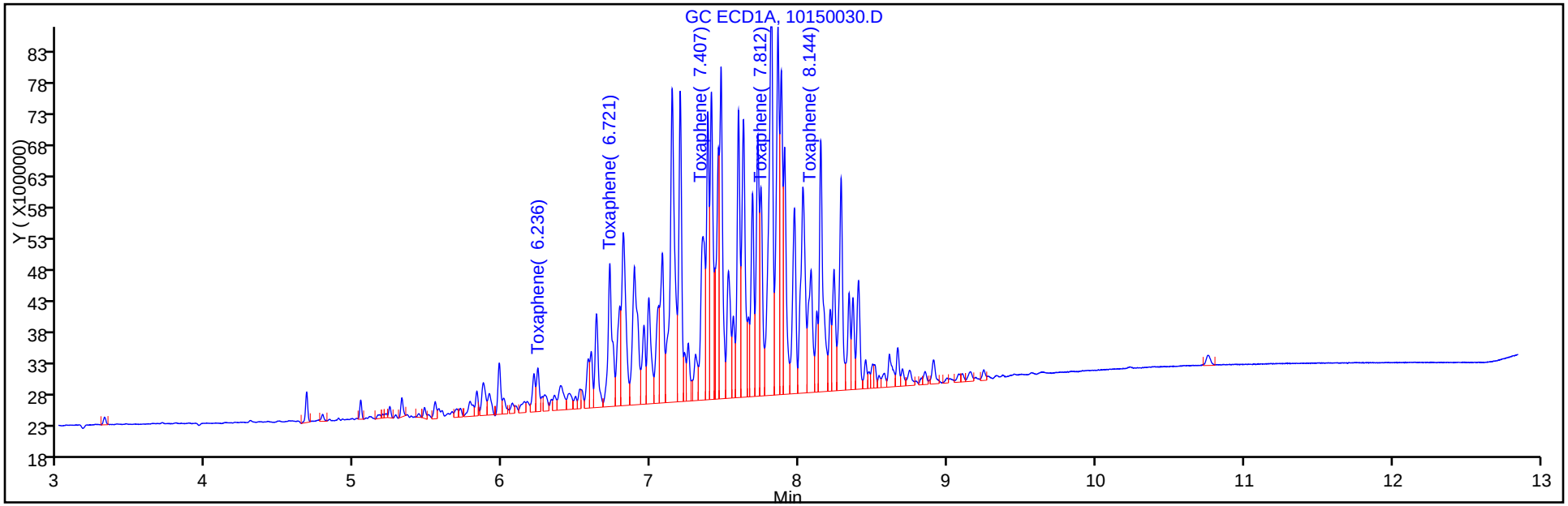
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

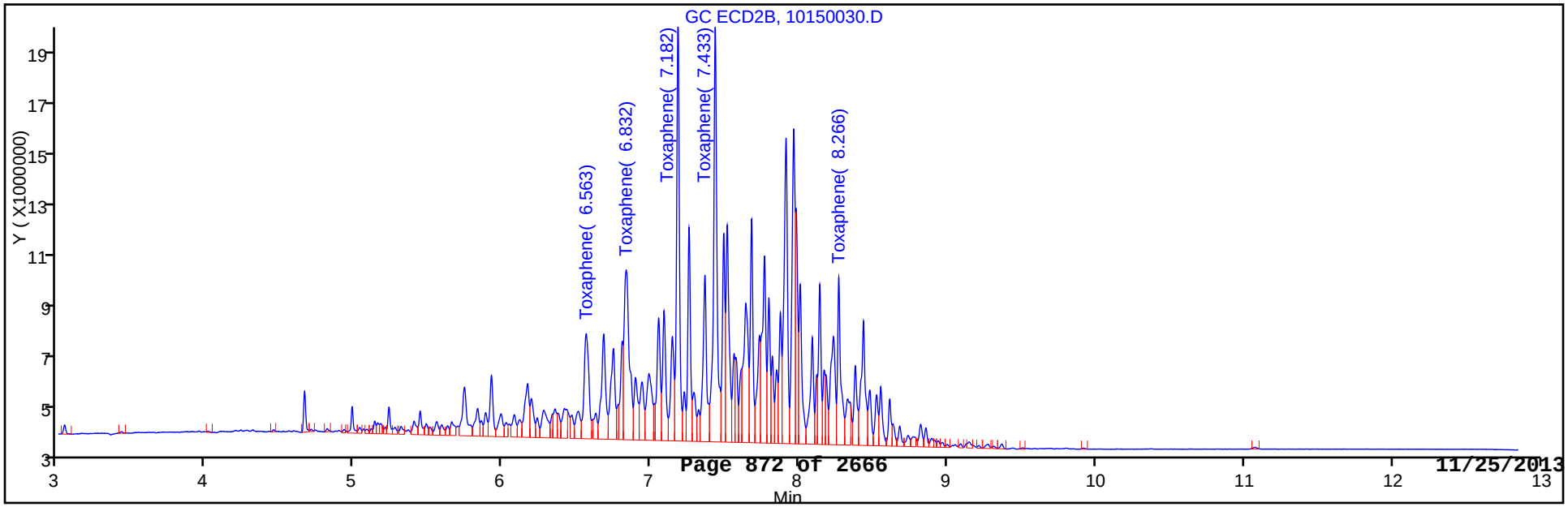
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



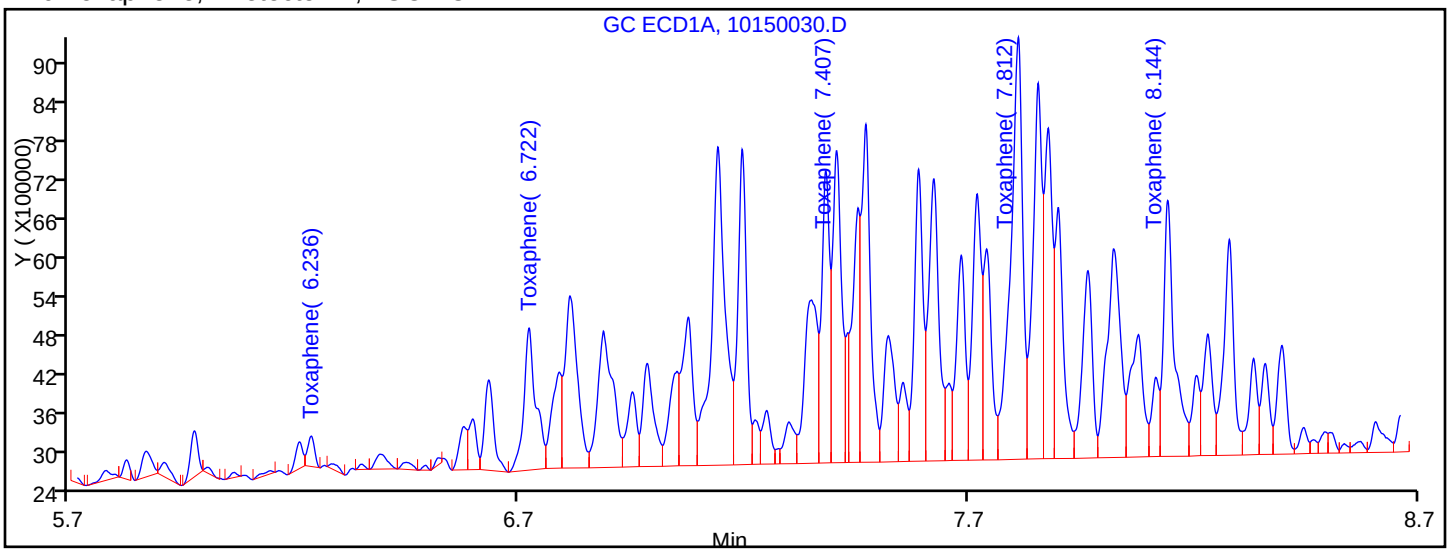
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

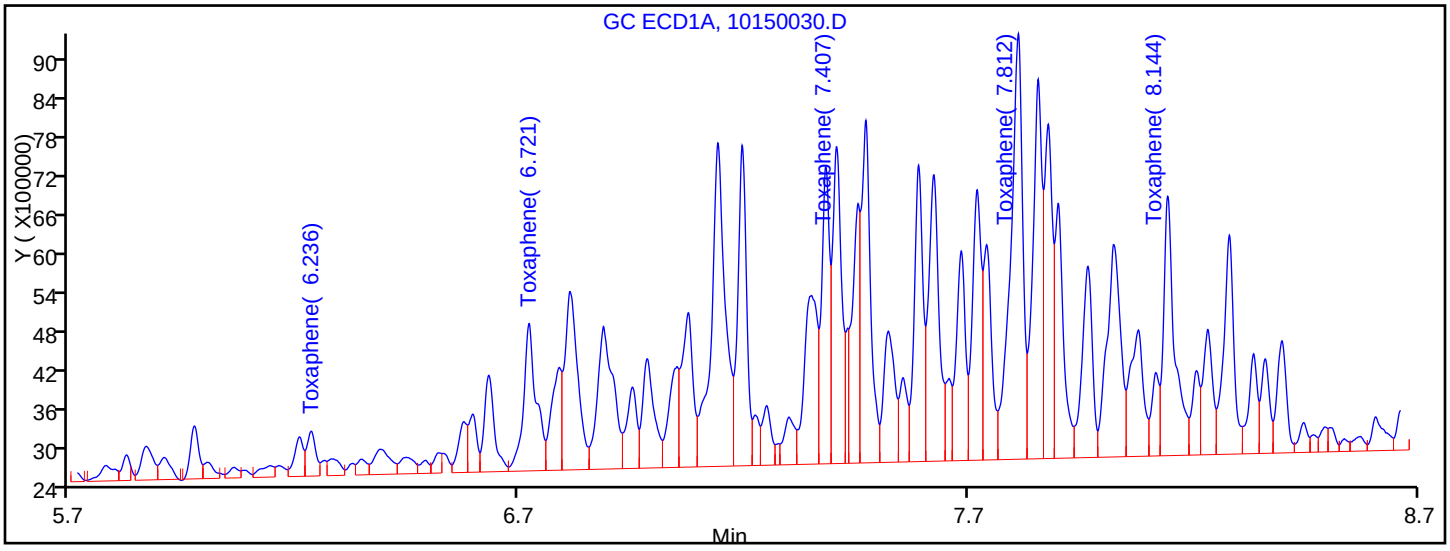
Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 504303	M
RT = 6.722	Response = 4112276	M
RT = 7.407	Response = 6596429	M
RT = 7.812	Response = 12159344	M
RT = 8.144	Response = 6667642	M



Manual Integration Results

RT = 6.236	Response = 949677	M
RT = 6.721	Response = 4549851	M
RT = 7.407	Response = 6768100	M
RT = 7.812	Response = 12455400	M
RT = 8.144	Response = 6915719	M

Reviewer: wellsd, 15-Oct-2013 22:19:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15962

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6					RT WINDOW	AVG RT
Toxaphene Peak 1	6.563	6.561	6.562	6.561	6.561	6.563					6.541 - 6.581	6.562
Toxaphene Peak 2	6.832	6.832	6.831	6.831	6.830	6.832					6.811 - 6.851	6.831
Toxaphene Peak 3	7.182	7.182	7.182	7.182	7.183	7.183					7.162 - 7.202	7.182
Toxaphene Peak 4	7.433	7.433	7.433	7.433	7.433	7.435					7.413 - 7.453	7.433
Toxaphene Peak 5	8.266	8.267	8.265	8.266	8.267	8.268					8.246 - 8.286	8.267

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15962

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3	LVL 4		B	M1	M2								
Toxaphene Peak 1	44739 28267	36856 28230	36719	32788	Lin2	3134429.77	30003.0449							0.9920		0.9900
Toxaphene Peak 2	78789 61352	70920 60864	70886	64204	Lin2	3459683.57	62761.4335							0.9970		0.9900
Toxaphene Peak 3	106083 85695	97476 84150	98020	89546	Lin2	4079546.25	87511.5238							0.9970		0.9900
Toxaphene Peak 4	127953 105062	118685 103792	119780	108685	Lin2	4571393.51	107287.849							0.9980		0.9900
Toxaphene Peak 5	47567 42203	44819 42368	46351	44413	Lin2	922784.176	43266.7128							0.9990		0.9900

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

FORM VI
GC SEMI VOA INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 196035

SDG No.:

Instrument ID: SGC_P2 GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/15/2013 19:30 Calibration End Date: 10/15/2013 20:52 Calibration ID: 15962

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 280-196035/30	10150030.D
Level 2	STD2 280-196035/29	10150029.D
Level 3	STD3 280-196035/28	10150028.D
Level 4	STD4 280-196035/27	10150027.D
Level 5	STD5 280-196035/26	10150026.D
Level 6	STD6 280-196035/25	10150025.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2	LVL 3	LVL 4	LVL 5
Toxaphene Peak 1	Lin2	8947892 282303718	18428178	36719362	65576435	141337419	200 10000	500	1000	2000	5000
Toxaphene Peak 2	Lin2	15757788 608635398	35459960	70885959	128407215	306759250	200 10000	500	1000	2000	5000
Toxaphene Peak 3	Lin2	21216556 841500554	48737796	98019682	179091205	428477188	200 10000	500	1000	2000	5000
Toxaphene Peak 4	Lin2	25590535 1037917538	59342310	119779628	217370281	525307706	200 10000	500	1000	2000	5000
Toxaphene Peak 5	Lin2	9513424 423681435	22409282	46350674	88826412	211015351	200 10000	500	1000	2000	5000

Curve Type Legend:
Lin2 = Linear 1/conc^2

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D		
Lims ID:	STD6 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:30:10	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STD6 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	196035	Lims Sample ID:	25
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:18	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:04:58

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	44386037	10517		100.0	M
1	-65	6.721	6.721	0.000	229375178	10231	513.2- 553.2	516.8	M
1	-65	7.408	7.407	0.001	340015496	10046	792.2- 832.2	766.0	M
1	-65	7.811	7.811	0.000	664594188	10264	1468.1-1508.1	1497.3	M
1	-65	8.145	8.144	0.001	388803471	10205	878.0- 918.0	876.0	M
			Average of Peak Amounts =			10253			
2	6	6.563	6.561	0.002	282303718	9304.7		100.0	
2	7	6.832	6.831	0.001	608635398	9642.5	165.8- 225.8	215.6	
2	8	7.183	7.182	0.001	841500554	9569.3	243.1- 303.1	298.1	
2	9	7.435	7.433	0.002	1037917538	9631.5	301.5- 361.5	367.7	
2	10	8.268	8.266	0.002	423681435	9771.0	105.5- 165.5	150.1	
			Average of Peak Amounts =			9583.8			
						RPD = 6.74			

QC Flag Legend

Review Flags
M - Manually Integrated

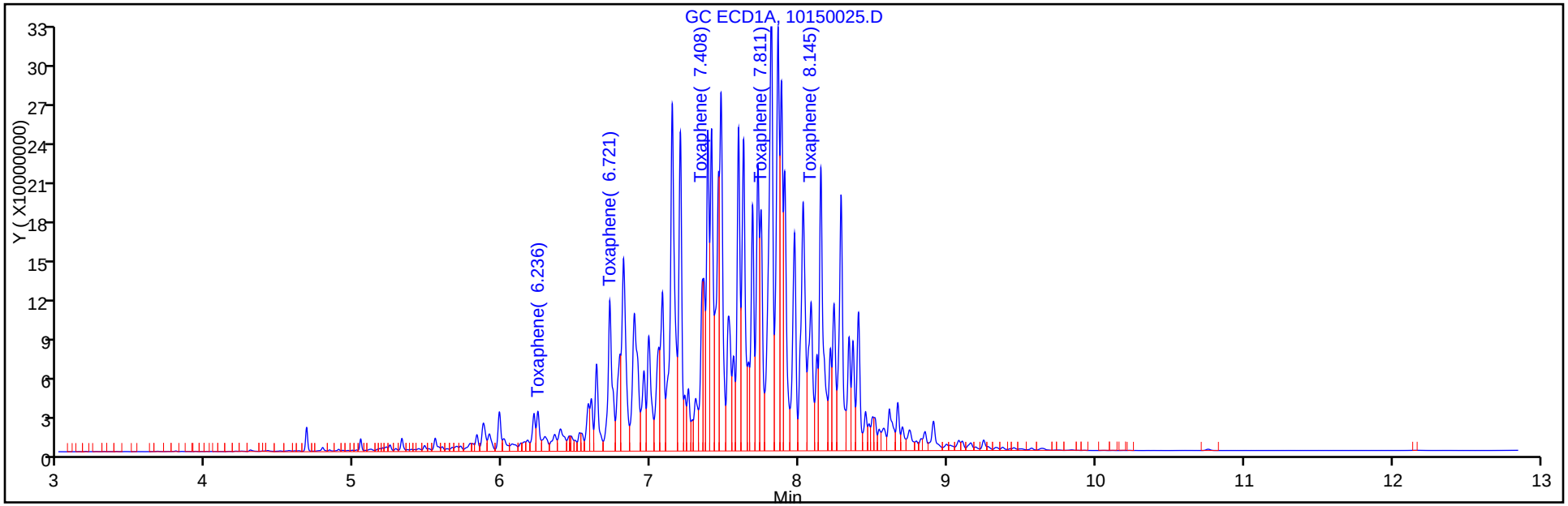
Report Date: 17-Oct-2013 05:36:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

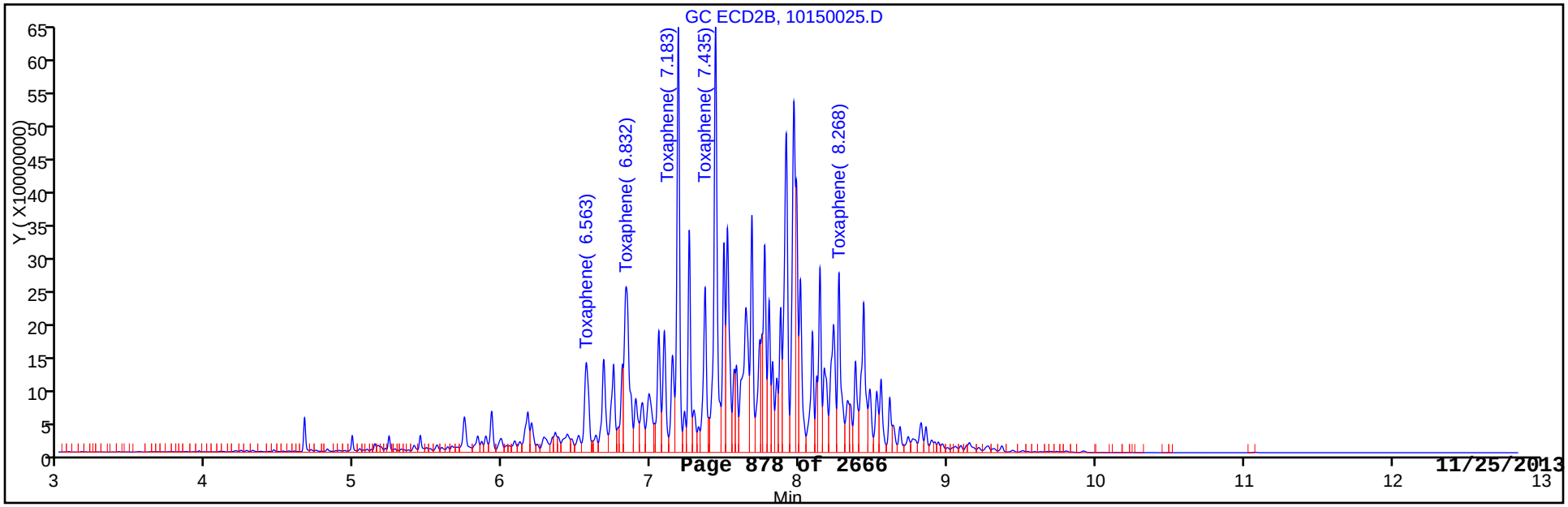
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150025.D

Injection Date:	15-Oct-2013 19:30:10	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	25
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D		
Lims ID:	STD5 TOX	Client ID:	
Inject. Date:	15-Oct-2013 19:46:33	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STD5 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	20
Lims Batch ID:	196035	Lims Sample ID:	26
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:19	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:05:31

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	19836861	4683.8		100.0	M
1	-65	6.722	6.721	0.001	110352185	4920.4	513.2- 553.2	556.3	M
1	-65	7.407	7.407	0.000	166669850	4923.6	792.2- 832.2	840.2	M
1	-65	7.811	7.811	0.000	325535403	5031.6	1468.1-1508.1	1641.1	M
1	-65	8.145	8.144	0.001	190794999	5017.8	878.0- 918.0	961.8	M
			Average of Peak Amounts =			4915.4			
2	6	6.561	6.561	0.000	141337419	4606.3		100.0	
2	7	6.830	6.831	-0.001	306759250	4832.6	165.8- 225.8	217.0	
2	8	7.183	7.182	0.001	428477188	4849.6	243.1- 303.1	303.2	
2	9	7.433	7.433	0.000	525307706	4853.6	301.5- 361.5	371.7	
2	10	8.267	8.266	0.001	211015351	4855.8	105.5- 165.5	149.3	
			Average of Peak Amounts =			4799.6			
						RPD = 2.39			

QC Flag Legend

Review Flags
M - Manually Integrated

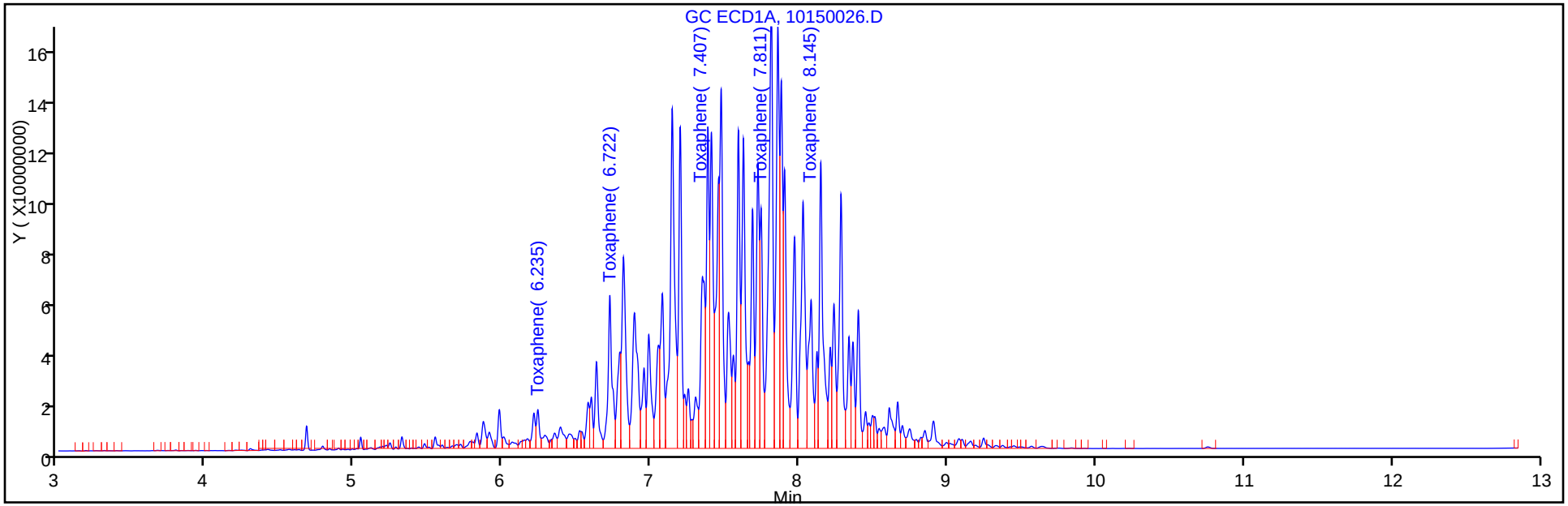
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TestAmerica Denver

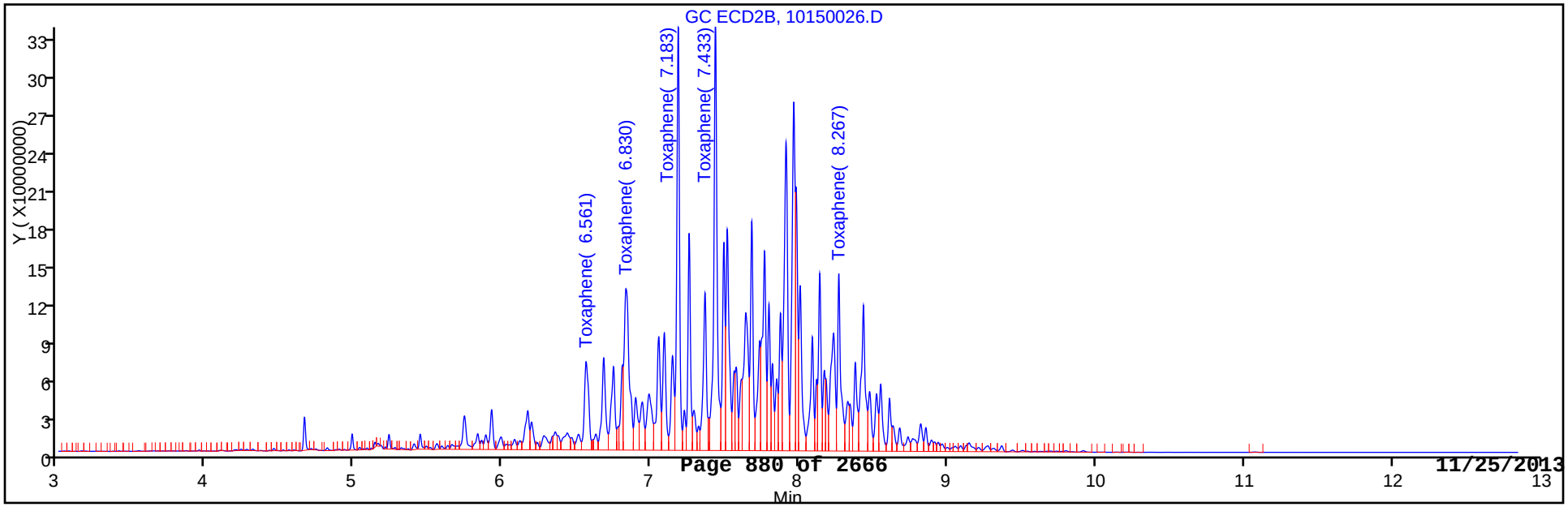
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150026.D

Injection Date:	15-Oct-2013 19:46:33	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	26
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D		
Lims ID:	STD4 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:02:54	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STD4 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	196035	Lims Sample ID:	27
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:20	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:20

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	8098014	1894.5		100.0	
1	-65	6.721	6.721	0.000	43178108	1923.0	513.2- 553.2	533.2	
1	-65	7.407	7.407	0.000	65774340	1942.4	792.2- 832.2	812.2	
1	-65	7.811	7.811	0.000	120507323	1867.5	1468.1-1508.1	1488.1	
1	-65	8.144	8.144	0.000	72720167	1924.6	878.0- 918.0	898.0	
			Average of Peak Amounts =			1910.4			
2	6	6.561	6.561	0.000	65576435	2081.2		100.0	M
2	7	6.831	6.831	0.000	128407215	1990.8	165.8- 225.8	195.8	M
2	8	7.182	7.182	0.000	179091205	1999.9	243.1- 303.1	273.1	M
2	9	7.433	7.433	0.000	217370281	1983.4	301.5- 361.5	331.5	M
2	10	8.266	8.266	0.000	88826412	2031.7	105.5- 165.5	135.5	M
			Average of Peak Amounts =			2017.4			
						RPD = 5.45			

QC Flag Legend

Review Flags
M - Manually Integrated

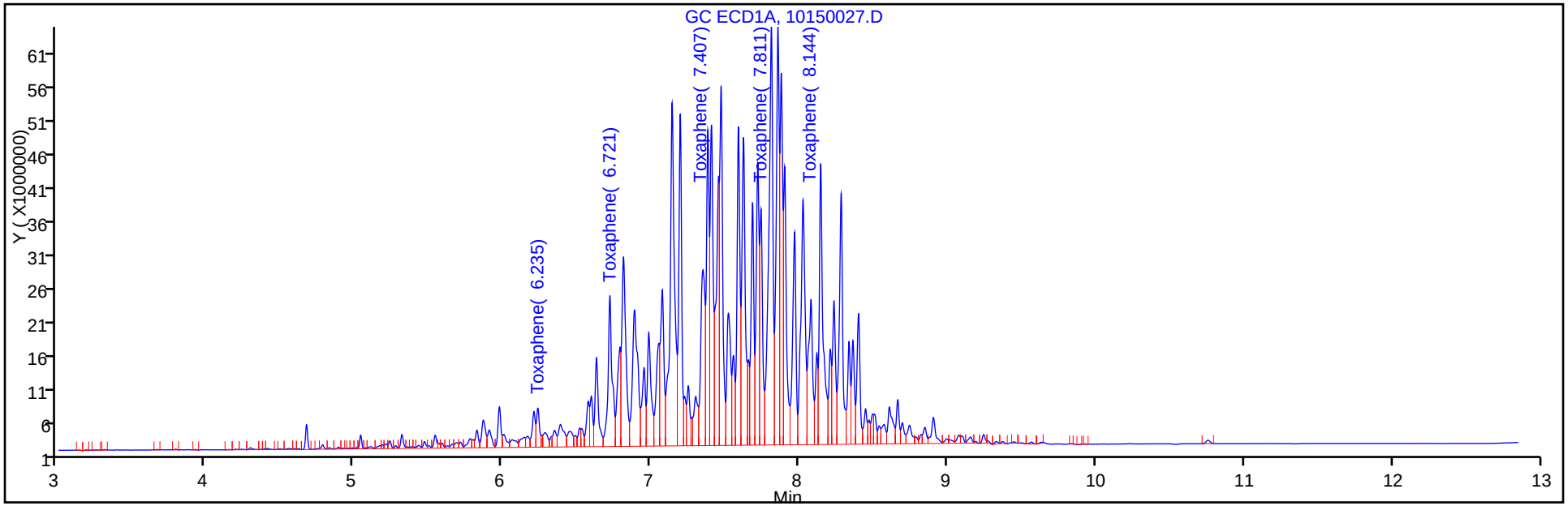
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TestAmerica Denver

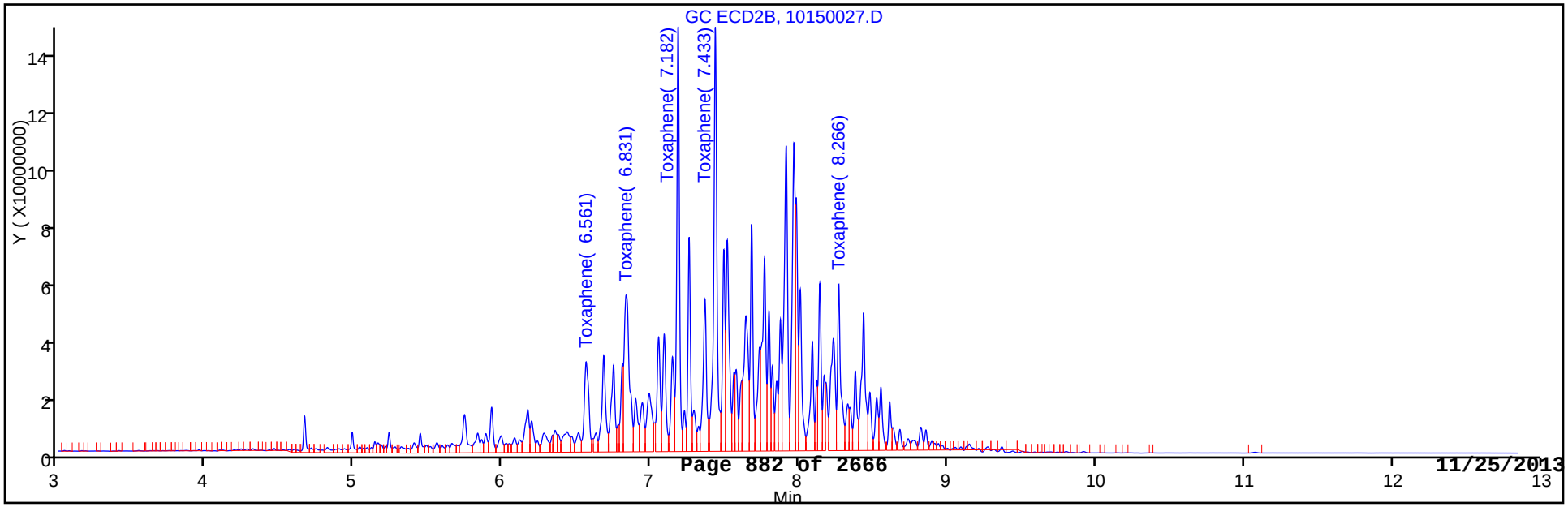
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D

Injection Date:	15-Oct-2013 20:02:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



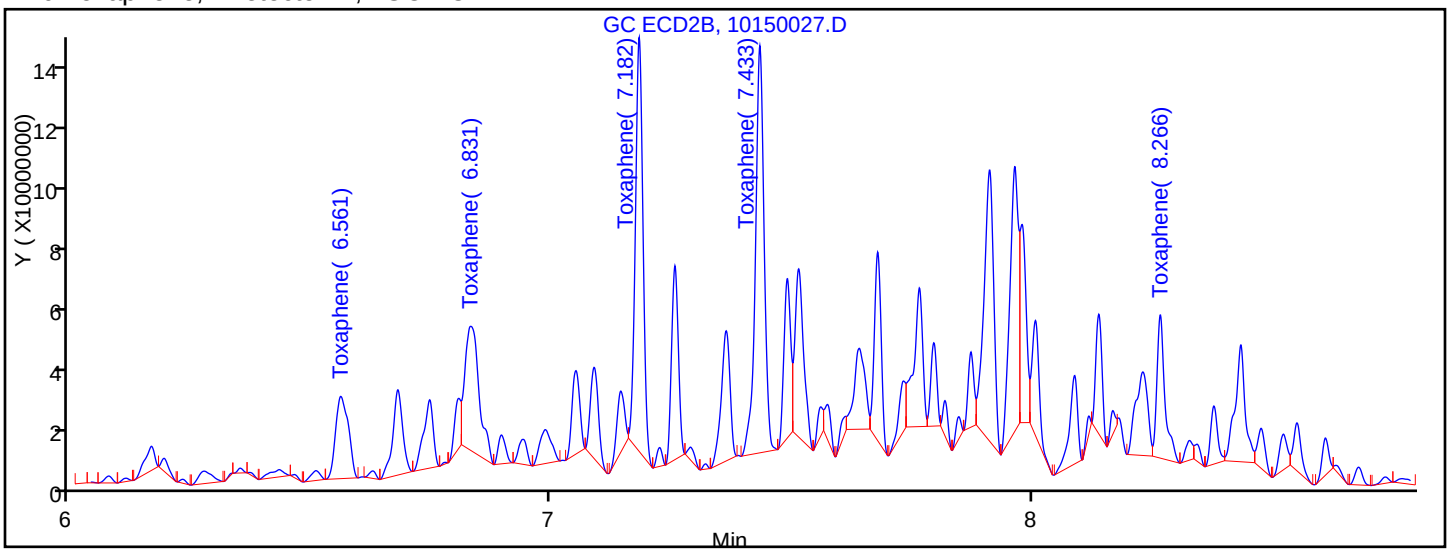
Report Date: 17-Oct-2013 05:36:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150027.D

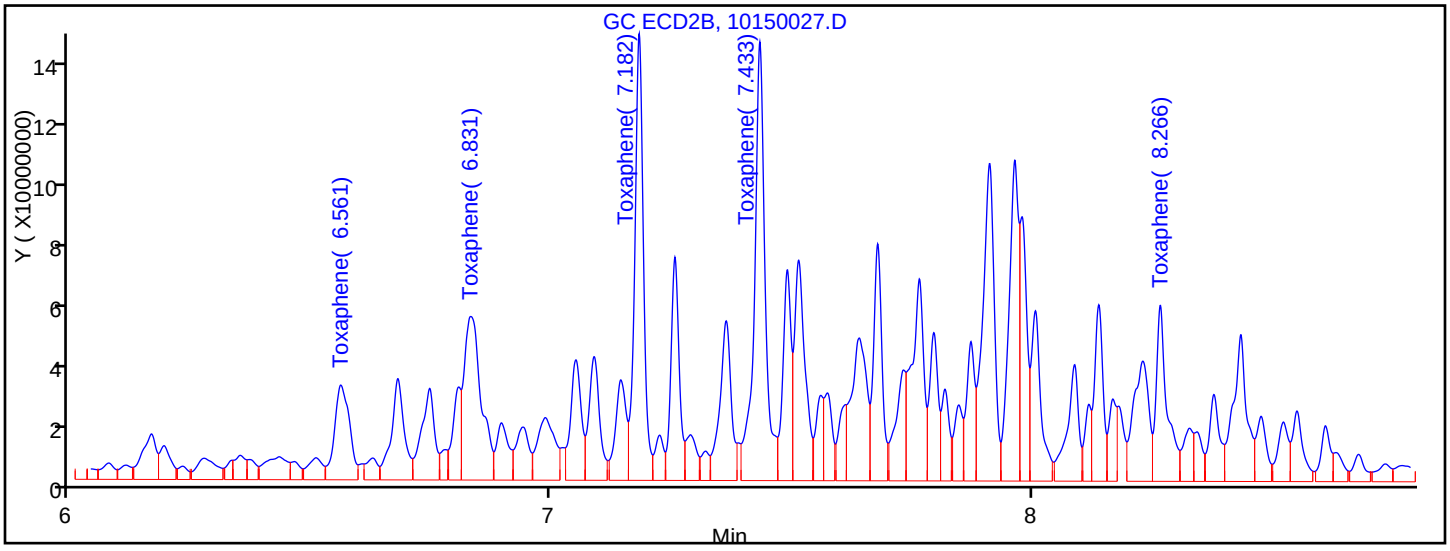
Injection Date:	15-Oct-2013 20:02:54	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	27
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.561	Response = 47244584	M
RT = 6.831	Response = 80199323	M
RT = 7.182	Response = 141191708	M
RT = 7.433	Response = 159436456	M
RT = 8.266	Response = 51775472	M



Manual Integration Results

RT = 6.561	Response = 65576435	M
RT = 6.831	Response = 128407215	M
RT = 7.182	Response = 179091205	M
RT = 7.433	Response = 217370281	M
RT = 8.266	Response = 88826412	M

Reviewer: wellsd, 15-Oct-2013 21:06:20

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D		
Lims ID:	STD3 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:19:18	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STD3 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	196035	Lims Sample ID:	28
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:22	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:06:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	4482174	1035.4		100.0	M
1	-65	6.721	6.721	0.000	23219881	1032.4	513.2- 553.2	518.0	M
1	-65	7.407	7.407	0.000	35420813	1045.5	792.2- 832.2	790.3	M
1	-65	7.810	7.811	-0.001	66698060	1037.1	1468.1-1508.1	1488.1	M
1	-65	8.144	8.144	0.000	38257896	1021.8	878.0- 918.0	853.6	M
			Average of Peak Amounts =			1034.4			
2	6	6.562	6.561	0.001	36719362	1119.4		100.0	M
2	7	6.831	6.831	0.000	70885959	1074.3	165.8- 225.8	193.0	M
2	8	7.182	7.182	0.000	98019682	1073.5	243.1- 303.1	266.9	M
2	9	7.433	7.433	0.000	119779628	1073.8	301.5- 361.5	326.2	M
2	10	8.265	8.266	-0.001	46350674	1050.0	105.5- 165.5	126.2	M
			Average of Peak Amounts =			1078.2			
						RPD = 4.14			

QC Flag Legend

Review Flags
M - Manually Integrated

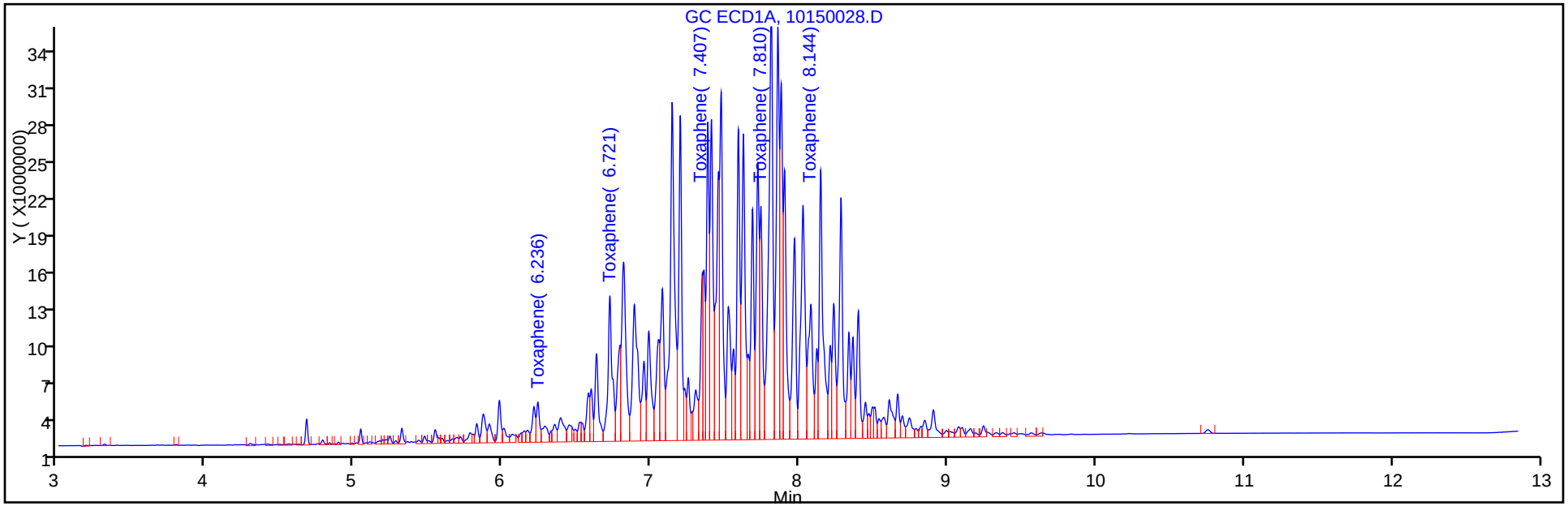
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

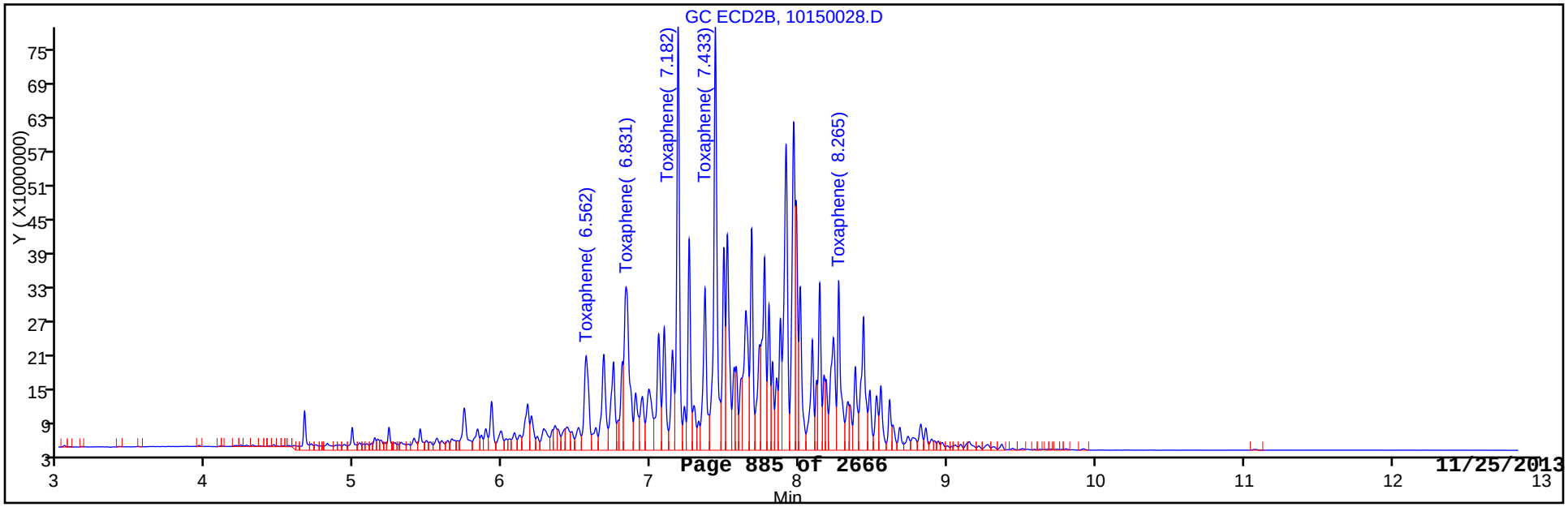
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



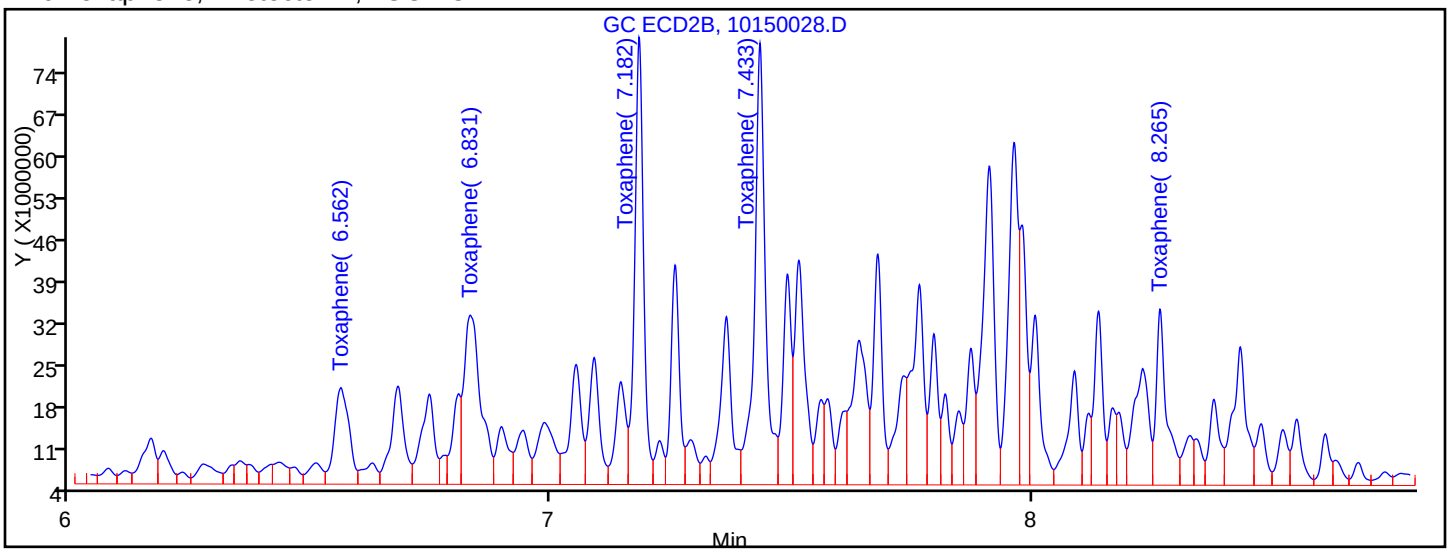
Report Date: 17-Oct-2013 05:36:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150028.D

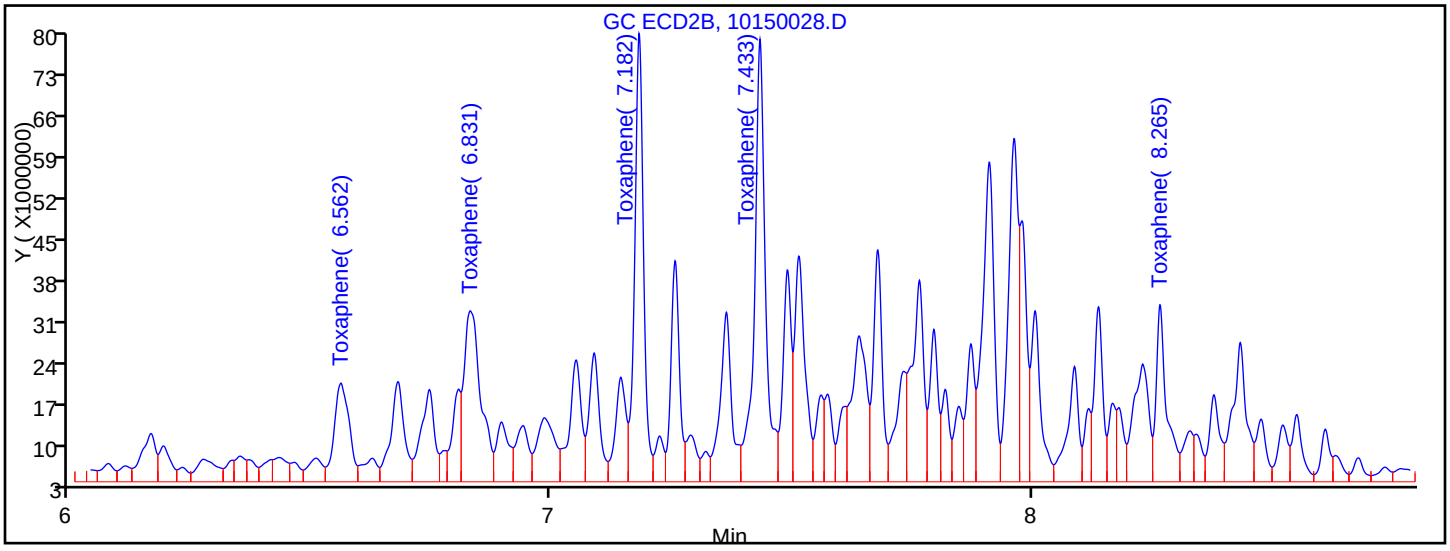
Injection Date:	15-Oct-2013 20:19:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	28
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.562	Response = 35042354	M
RT = 6.831	Response = 69322776	M
RT = 7.182	Response = 96927903	M
RT = 7.433	Response = 118256265	M
RT = 8.265	Response = 45523066	M



Manual Integration Results

RT = 6.562	Response = 36719362	M
RT = 6.831	Response = 70885959	M
RT = 7.182	Response = 98019682	M
RT = 7.433	Response = 119779628	M
RT = 8.265	Response = 46350674	M

Reviewer: wellsd, 15-Oct-2013 21:06:42

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D		
Lims ID:	STD2 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:35:45	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STD2 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	196035	Lims Sample ID:	29
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:23	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 21:07:16

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.237	6.235	0.002	2331422	524.4		100.0	M
1	-65	6.722	6.721	0.001	11312556	501.1	513.2- 553.2	485.2	M
1	-65	7.408	7.407	0.001	16950284	499.8	792.2- 832.2	727.0	M
1	-65	7.812	7.811	0.001	31790576	498.3	1468.1-1508.1	1363.6	M
1	-65	8.144	8.144	0.000	18118485	494.2	878.0- 918.0	777.1	M
			Average of Peak Amounts =			503.5			
2	6	6.561	6.561	0.000	18428178	509.7		100.0	
2	7	6.832	6.831	0.001	35459960	509.9	165.8- 225.8	192.4	
2	8	7.182	7.182	0.000	48737796	510.3	243.1- 303.1	264.5	
2	9	7.433	7.433	0.000	59342310	510.5	301.5- 361.5	322.0	
2	10	8.267	8.266	0.001	22409282	496.6	105.5- 165.5	121.6	
			Average of Peak Amounts =			507.4			
						RPD = 0.76			

QC Flag Legend

Review Flags
M - Manually Integrated

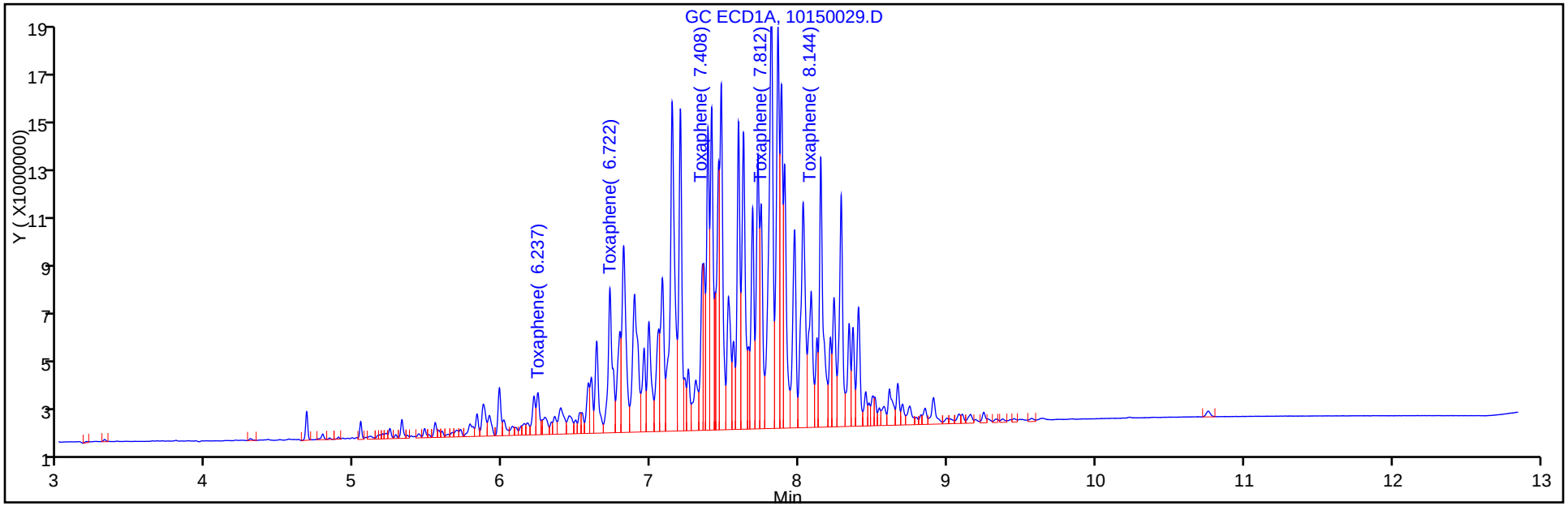
Report Date: 17-Oct-2013 05:36:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

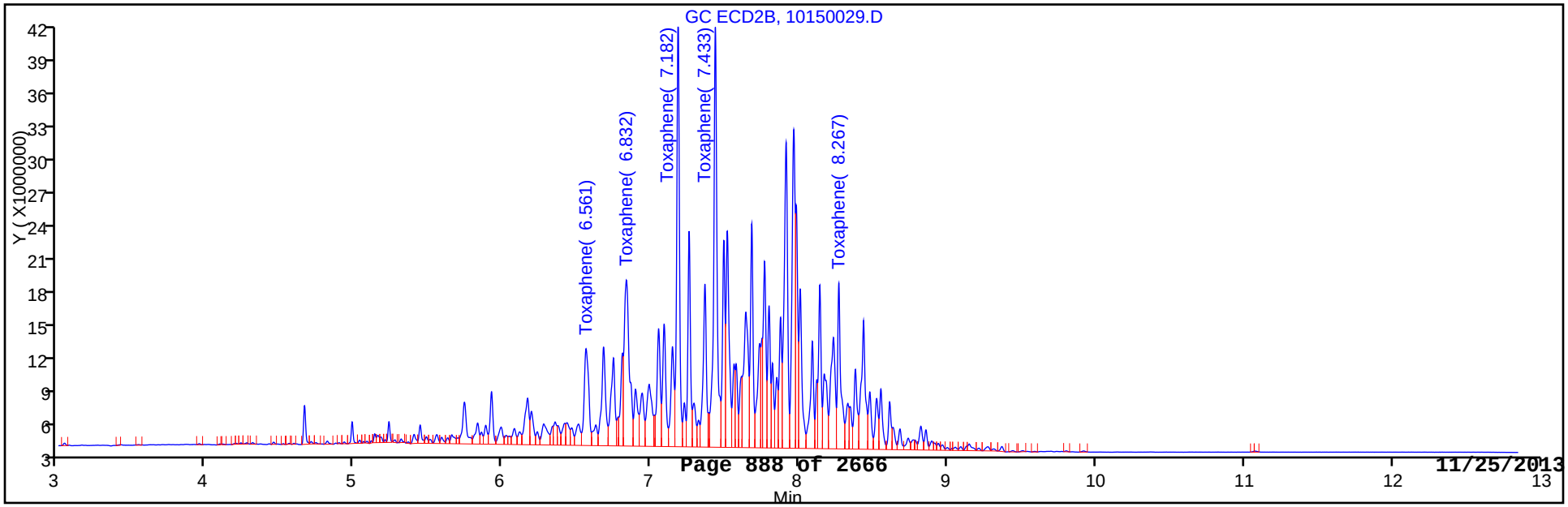
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150029.D

Injection Date:	15-Oct-2013 20:35:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	29
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D		
Lims ID:	STD1 TOX	Client ID:	
Inject. Date:	15-Oct-2013 20:52:09	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STD1 TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	196035	Lims Sample ID:	30
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m		
Last Update:	17-Oct-2013 05:36:25	Calib Date:	15-Oct-2013 22:30:27
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK024		

First Level Reviewer: wellsd Date: 15-Oct-2013 22:19:32

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	949677	196.0		100.0	M
1	-65	6.721	6.721	0.000	4549851	199.3	513.2- 553.2	479.1	M
1	-65	7.407	7.407	0.000	6768100	198.9	792.2- 832.2	712.7	M
1	-65	7.812	7.811	0.001	12455400	200.0	1468.1-1508.1	1311.5	M
1	-65	8.144	8.144	0.000	6915719	200.7	878.0- 918.0	728.2	M
			Average of Peak Amounts =			199.0			
2	6	6.563	6.561	0.002	8947892	193.8		100.0	M
2	7	6.832	6.831	0.001	15757788	196.0	165.8- 225.8	176.1	M
2	8	7.182	7.182	0.000	21216556	195.8	243.1- 303.1	237.1	M
2	9	7.433	7.433	0.000	25590535	195.9	301.5- 361.5	286.0	M
2	10	8.266	8.266	0.000	9513424	198.6	105.5- 165.5	106.3	M
			Average of Peak Amounts =			196.0			
						RPD = 1.51			

QC Flag Legend

Review Flags
M - Manually Integrated

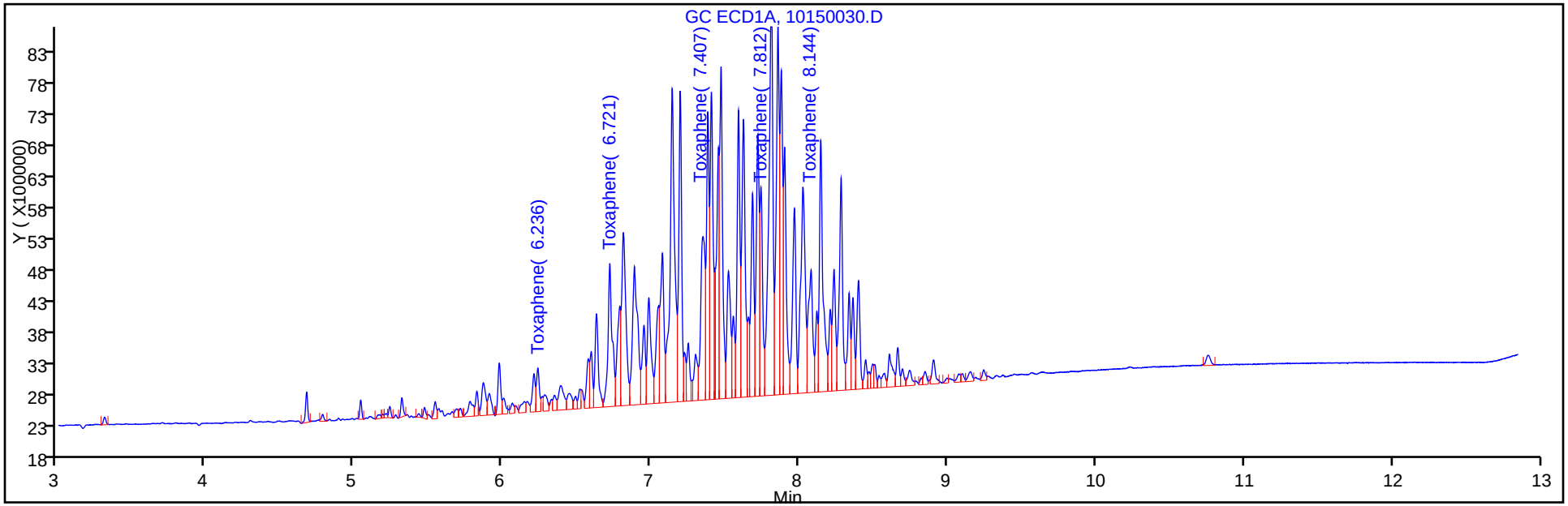
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

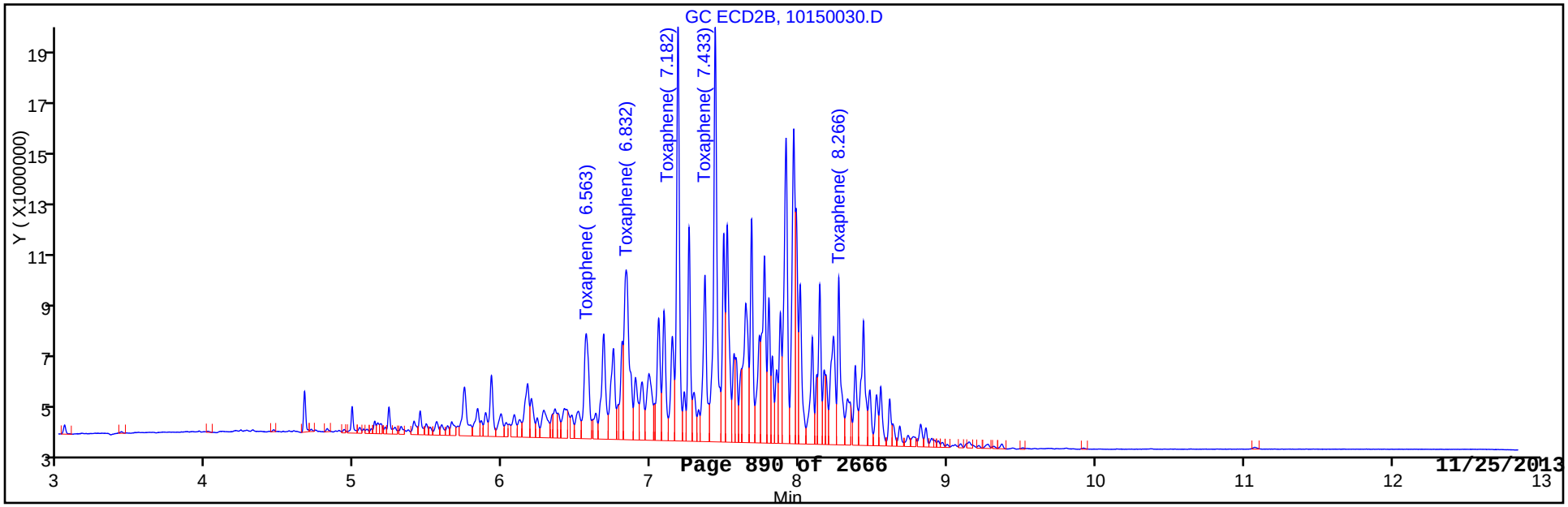
Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



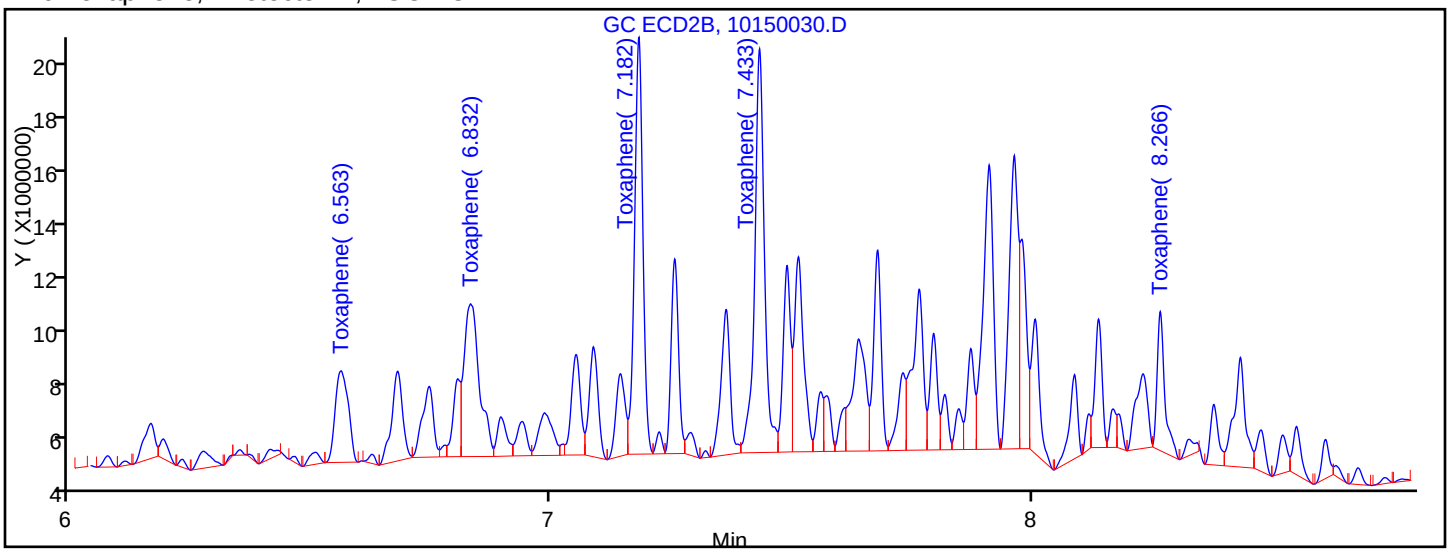
Report Date: 17-Oct-2013 05:36:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150030.D

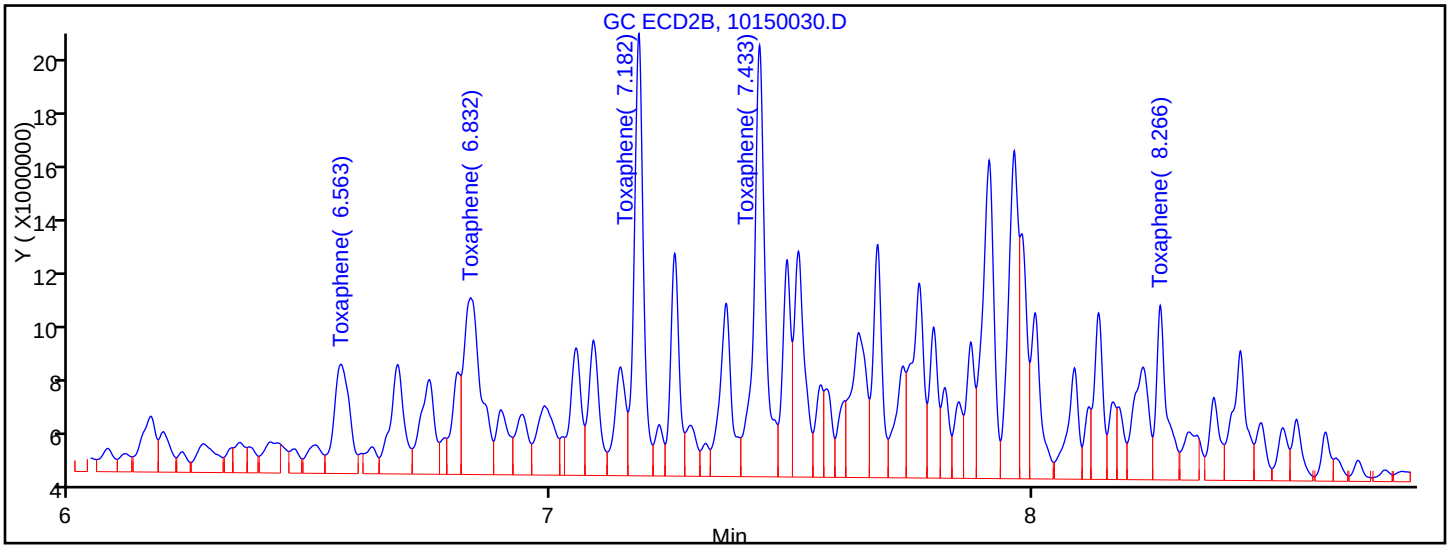
Injection Date:	15-Oct-2013 20:52:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	30
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.563	Response = 6167404	M
RT = 6.832	Response = 12054503	M
RT = 7.182	Response = 17923203	M
RT = 7.433	Response = 20316970	M
RT = 8.266	Response = 5485330	M



Manual Integration Results

RT = 6.563	Response = 8947892	M
RT = 6.832	Response = 15757788	M
RT = 7.182	Response = 21216556	M
RT = 7.433	Response = 25590535	M
RT = 8.266	Response = 9513424	M

Reviewer: wellsd, 15-Oct-2013 22:19:32

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/7 Calibration Date: 11/01/2013 12:06

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.86	51507165	1.87	15	
Endrin aldehyde		0			
Endrin ketone	8.16	980796			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.20	46142361	1.14	15	
4,4'-DDD	6.92	323791			
4,4'-DDE	6.32	210557			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D
Lims ID: PEM Client ID:
Inject. Date: 01-Nov-2013 12:06:01 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:45:59 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	210557	0.2248			
2	2	6.437	6.436	0.001	541132	-0.3510			
						RPD = -911.92			
30 Endrin									
1	-65	6.860	6.860	0.000	51507165	39.0			
2	2	6.902	6.902	0.000	97528696	43.0			
						RPD = 9.82			
32 4,4'-DDD									
1	100	6.924	6.922	0.002	323791	0.2609			
2	2	7.019	7.018	0.001	608193	-0.1606			
						RPD = 840.47			
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	46142361	40.6			
2	2	7.320	7.321	-0.001	83106713	43.7			
						RPD = 7.39			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
40 Endrin ketone									
1	-65	8.160	8.160	0.000	980796	0.3568			
2	2	8.188	8.189	-0.001	1628956	0.1494			
						RPD = 81.92			

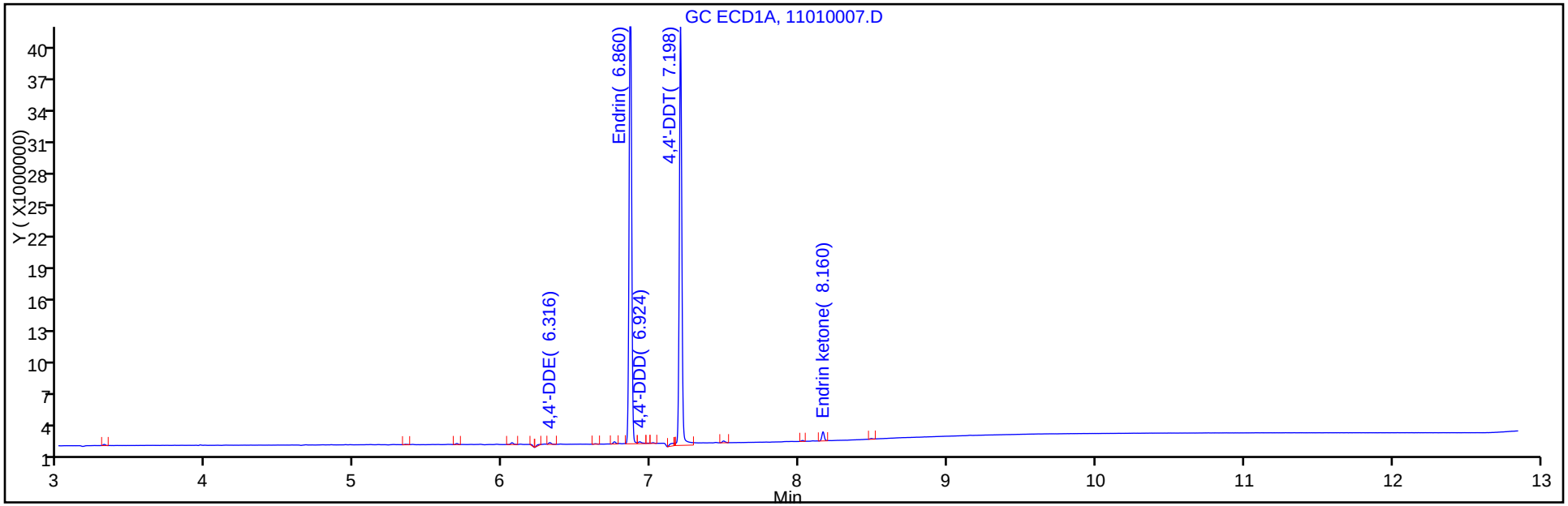
Report Date: 04-Nov-2013 06:46:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

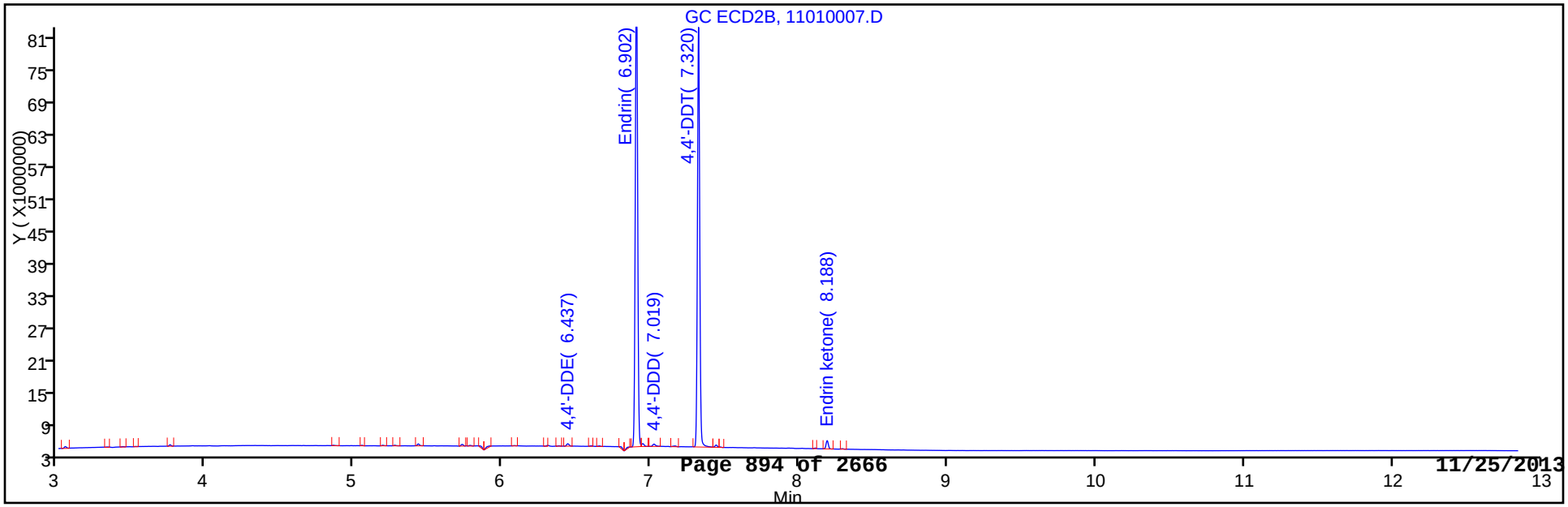
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D

Injection Date:	01-Nov-2013 12:06:01	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/7 Calibration Date: 11/01/2013 12:06

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010007.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.90	97528696	1.64	15	
Endrin aldehyde		0			
Endrin ketone	8.19	1628956			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.32	83106713	1.36	15	
4,4'-DDD	7.02	608193			
4,4'-DDE	6.44	541132			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D
Lims ID: PEM Client ID:
Inject. Date: 01-Nov-2013 12:06:01 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 7
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:45:59 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	210557	0.2248			
2	2	6.437	6.436	0.001	541132	-0.3510			
						RPD = -911.92			
30 Endrin									
1	-65	6.860	6.860	0.000	51507165	39.0			
2	2	6.902	6.902	0.000	97528696	43.0			
						RPD = 9.82			
32 4,4'-DDD									
1	100	6.924	6.922	0.002	323791	0.2609			
2	2	7.019	7.018	0.001	608193	-0.1606			
						RPD = 840.47			
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	46142361	40.6			
2	2	7.320	7.321	-0.001	83106713	43.7			
						RPD = 7.39			
36 Endrin aldehyde									
1	-65		7.487						
2	2		7.439						
40 Endrin ketone									
1	-65	8.160	8.160	0.000	980796	0.3568			
2	2	8.188	8.189	-0.001	1628956	0.1494			
						RPD = 81.92			

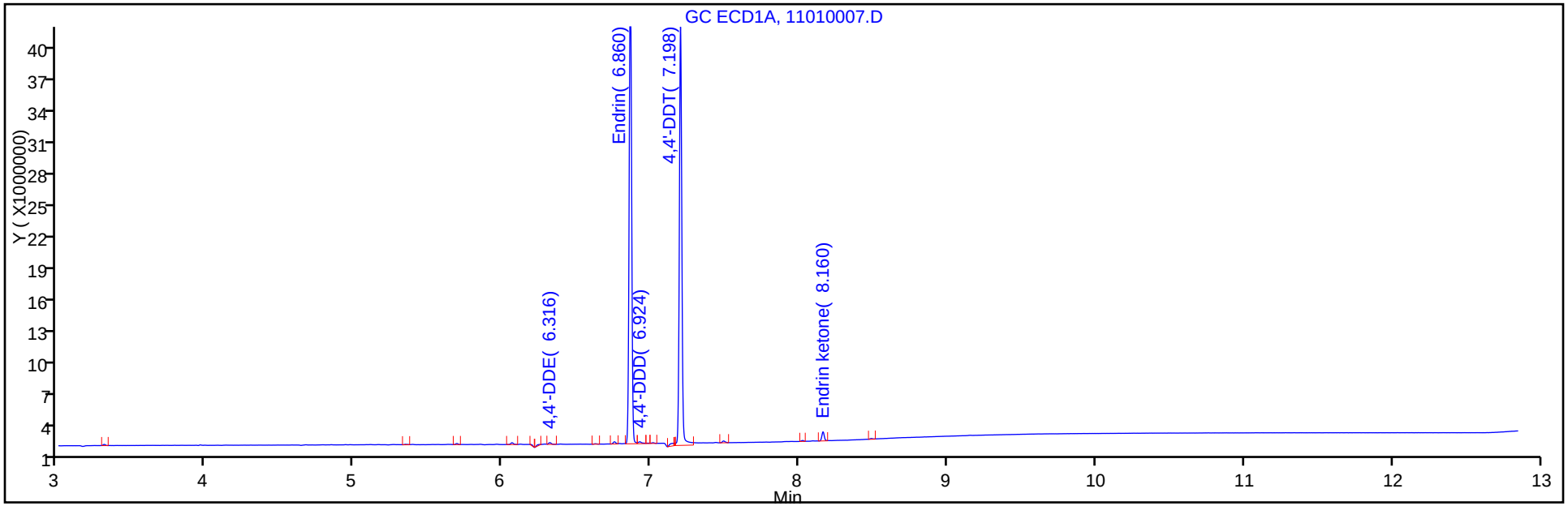
Report Date: 04-Nov-2013 06:46:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

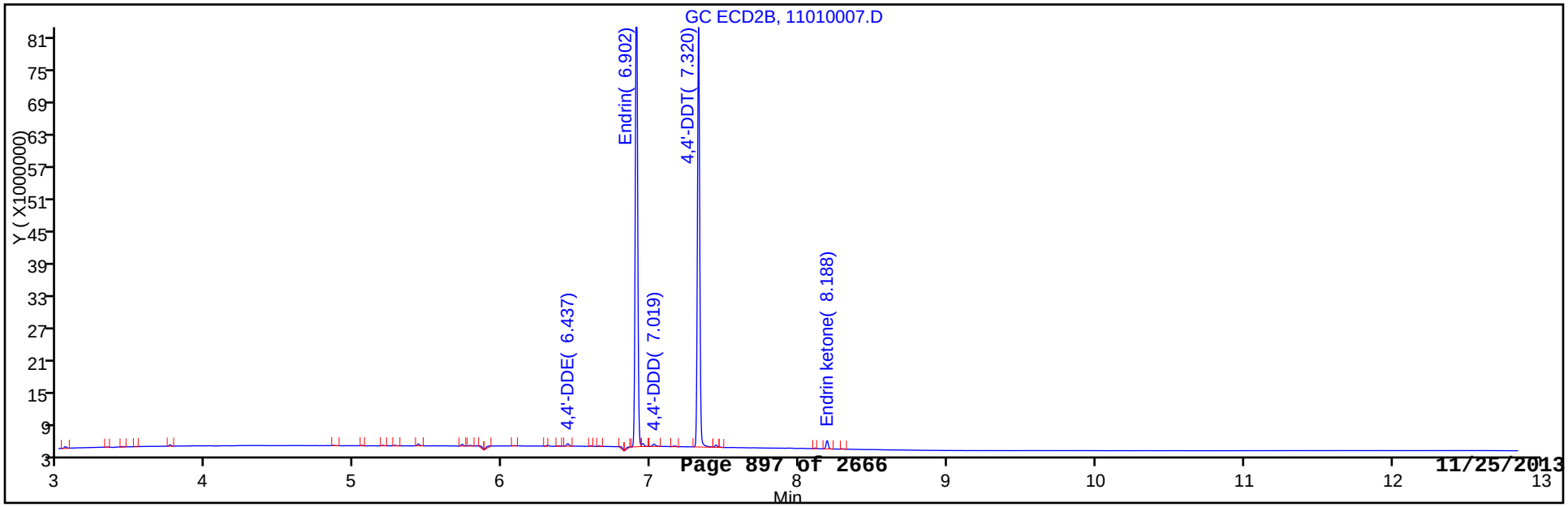
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010007.D

Injection Date:	01-Nov-2013 12:06:01	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	7
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/54 Calibration Date: 11/02/2013 01:17

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010054.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.86	58987323	4.65	15	
Endrin aldehyde	7.49	539021			
Endrin ketone	8.16	2337359			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.20	47369126	6.64	15	
4,4'-DDD	6.92	3180507			
4,4'-DDE	6.32	191004			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D
Lims ID: PEM Client ID:
Inject. Date: 02-Nov-2013 01:17:04 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 54
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:46 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:32:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	191004	0.2120			
2	2	6.437	6.436	0.001	460032	-0.3820			
						RPD = -698.81			
30 Endrin									M
1	-65	6.861	6.860	0.001	58987323	44.6			
2	2	6.902	6.902	0.000	103365534	45.6			M
						RPD = 2.15			
32 4,4'-DDD									M
1	100	6.922	6.922	0.000	3180507	2.73			
2	2	7.018	7.018	0.000	5819388	2.40			M
						RPD = 12.64			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	47369126	41.7			
2	2	7.321	7.321	0.000	78206631	41.1			
						RPD = 1.35			
36 Endrin aldehyde									
1	-65	7.489	7.487	0.002	539021	0.0837			7
2	2	7.439	7.439	0.000	899571	-0.2627			7M
						RPD = -387.06			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.161	8.160	0.001	2337359	1.38			
2	2	8.188	8.189	-0.001	3663603	1.19			
						RPD = 14.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

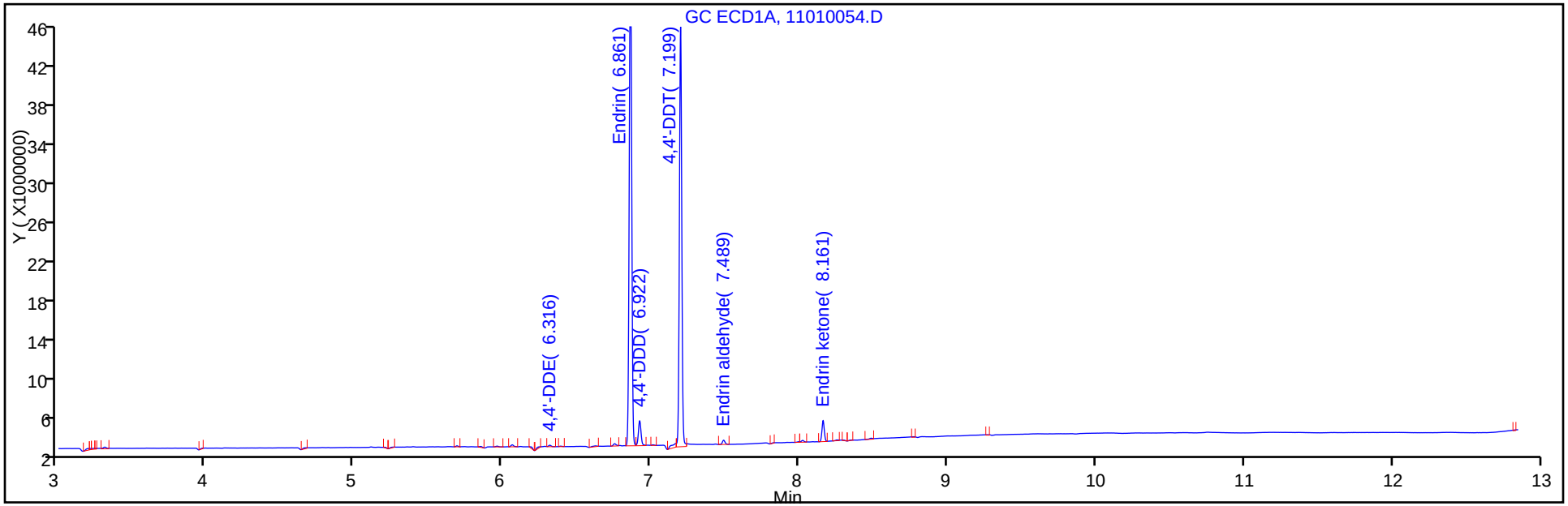
Report Date: 04-Nov-2013 06:46:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

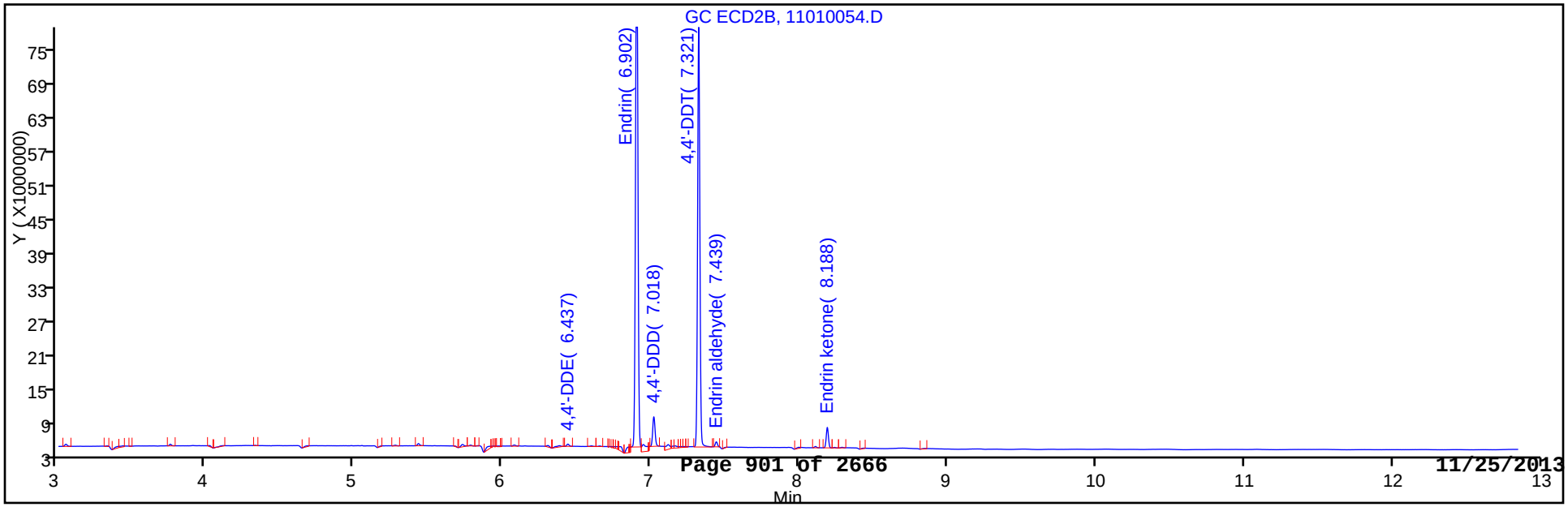
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D

Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA PERFORMANCE EVALUATION MIXTURE (PEM)

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: PEM 280-198855/54 Calibration Date: 11/02/2013 01:17

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010054.D Conc. Units: ug/L

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
Endrin	6.90	103365534	4.23	15	
Endrin aldehyde	7.44	899571			
Endrin ketone	8.19	3663603			

ANALYTE	RT	RESPONSE	BREAKDOWN (%)	LIMIT	#
4,4'-DDT	7.32	78206631	7.43	15	
4,4'-DDD	7.02	5819388			
4,4'-DDE	6.44	460032			

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D
Lims ID: PEM Client ID:
Inject. Date: 02-Nov-2013 01:17:04 Dil. Factor: 1.0000
Sample Type: PEM
Sample ID: PEM
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 2
Lims Batch ID: 198855 Lims Sample ID: 54
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:46 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:32:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	191004	0.2120			
2	2	6.437	6.436	0.001	460032	-0.3820			
						RPD = -698.81			
30 Endrin									M
1	-65	6.861	6.860	0.001	58987323	44.6			
2	2	6.902	6.902	0.000	103365534	45.6			M
						RPD = 2.15			
32 4,4'-DDD									M
1	100	6.922	6.922	0.000	3180507	2.73			
2	2	7.018	7.018	0.000	5819388	2.40			M
						RPD = 12.64			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	47369126	41.7			
2	2	7.321	7.321	0.000	78206631	41.1			
						RPD = 1.35			
36 Endrin aldehyde									
1	-65	7.489	7.487	0.002	539021	0.0837			7
2	2	7.439	7.439	0.000	899571	-0.2627			7M
						RPD = -387.06			
LOD = 0.1300									
40 Endrin ketone									
1	-65	8.161	8.160	0.001	2337359	1.38			
2	2	8.188	8.189	-0.001	3663603	1.19			
						RPD = 14.62			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

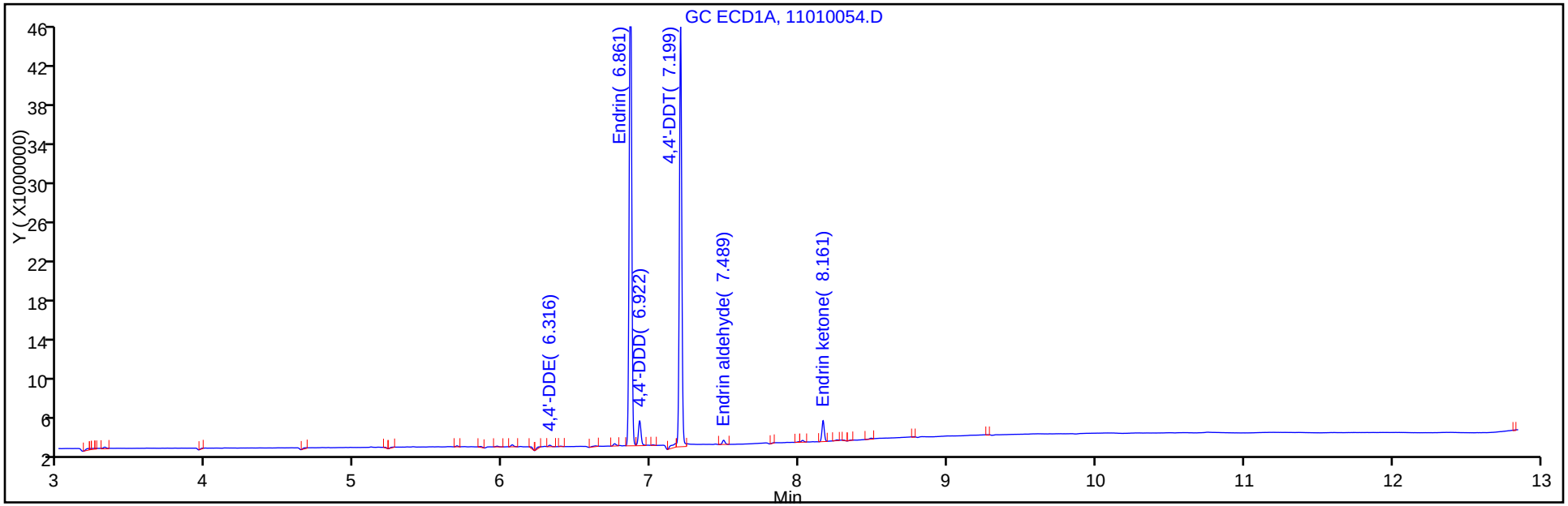
Report Date: 04-Nov-2013 06:46:48 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

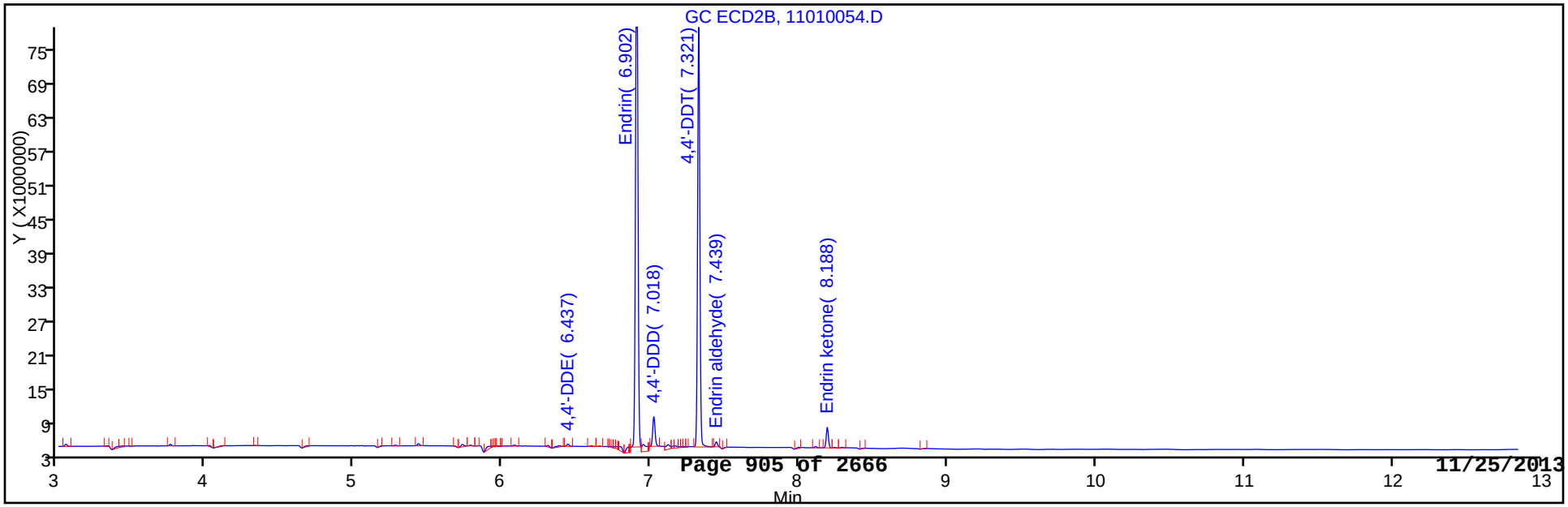
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D

Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

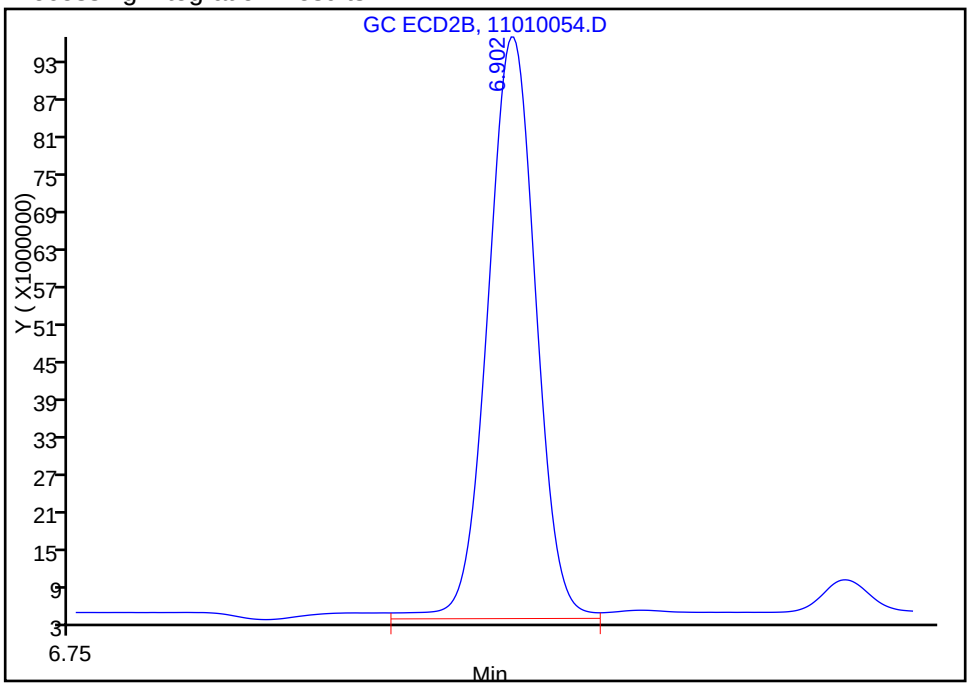
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D		
Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

30 Endrin, Signal: 2, Type: quant, RT: 6.90, Det: GC ECD2B

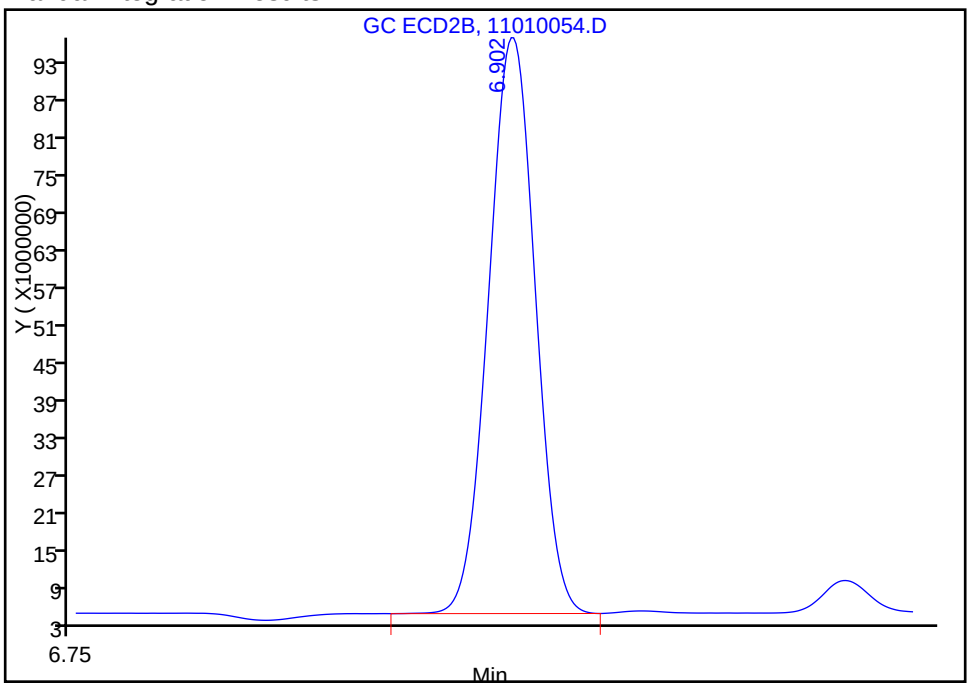
Processing Integration Results

RT: 6.90
Response: 107354340
Amount: 47.386856



Manual Integration Results

RT: 6.90
Response: 103365534
Amount: 45.606105



Reviewer: wellsd, 04-Nov-2013 06:32:42
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

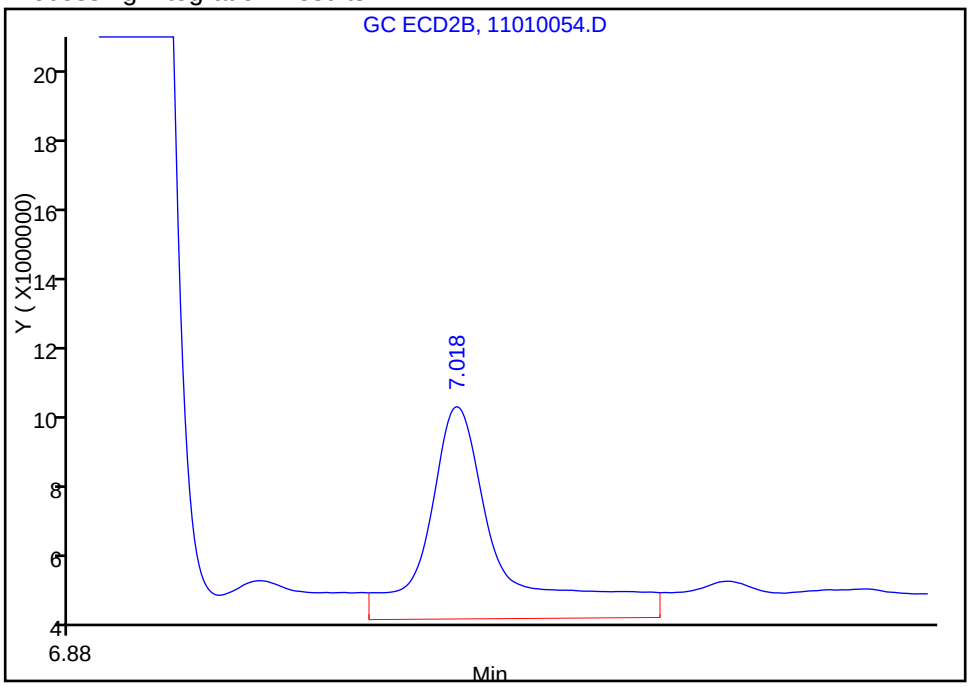
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010054.D		
Injection Date:	02-Nov-2013 01:17:04	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	54
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

32 4,4'-DDD, Signal: 2, Type: quant, RT: 7.02, Det: GC ECD2B

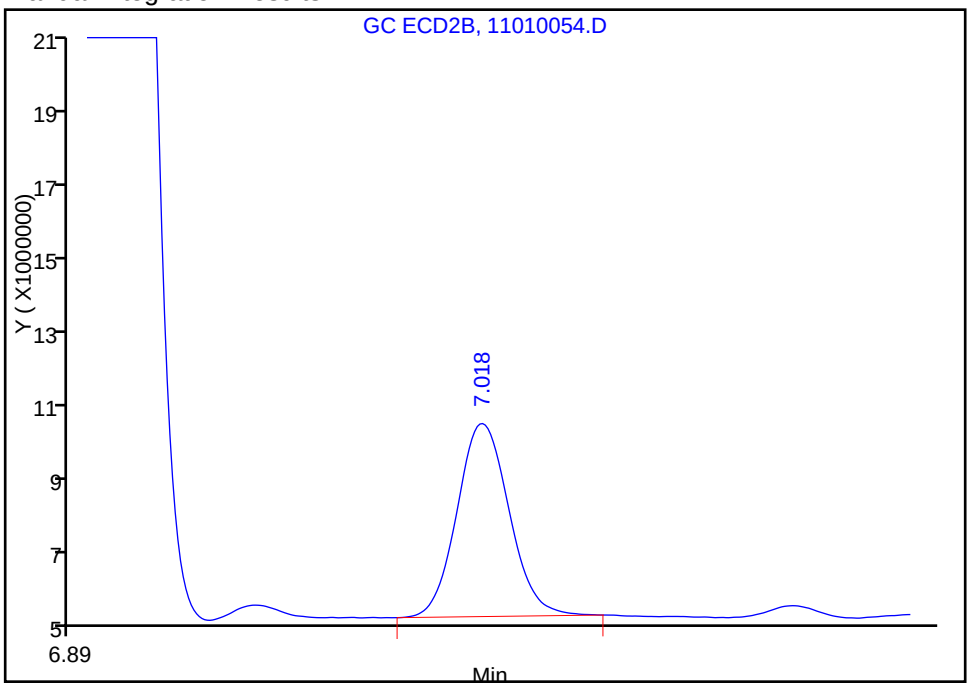
Processing Integration Results

RT: 7.02
Response: 10525048
Amount: 4.720084



Manual Integration Results

RT: 7.02
Response: 5819388
Amount: 2.404135



Reviewer: wellsd, 04-Nov-2013 06:32:42
Audit Action: Manually Integrated
Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		1862259		24.6	25.0	-1.6	20.0
gamma-BHC (Lindane)	Lin2		1636023		23.9	25.0	-4.3	20.0
beta-BHC	Lin2		640568		22.4	25.0	-10.3	20.0
delta-BHC	Lin2		1674997		24.2	25.0	-3.4	20.0
Heptachlor	Lin2		1509221		25.4	25.0	1.7	20.0
Aldrin	Lin2		1636787		25.3	25.0	1.2	20.0
Heptachlor epoxide	Lin2		1407374		24.9	25.0	-0.4	20.0
gamma-Chlordane	Lin2		1500920		25.4	25.0	1.4	20.0
alpha-Chlordane	Lin2		1457180		25.2	25.0	0.7	20.0
4,4'-DDE	Lin2		1485504		24.4	25.0	-2.6	20.0
Endosulfan I	Lin2		1361147		24.9	25.0	-0.6	20.0
Dieldrin	Lin2		1502294		25.1	25.0	0.3	20.0
Endrin	Lin2		1308015		24.7	25.0	-1.0	20.0
4,4'-DDD	Lin2		1121898		24.2	25.0	-3.2	20.0
Endosulfan II	Lin2		1235560		24.9	25.0	-0.6	20.0
4,4'-DDT	Lin2		1116985		24.6	25.0	-1.7	20.0
Endrin aldehyde	Lin2		1063810		24.9	25.0	-0.4	20.0
Methoxychlor	Lin2		572511		25.5	25.0	1.9	20.0
Endosulfan sulfate	Lin2		1128741		24.4	25.0	-2.2	20.0
Endrin ketone	Lin2		1354622		25.1	25.0	0.4	20.0
Tetrachloro-m-xylene	Lin2		1267313		24.4	25.0	-2.5	20.0
DCB Decachlorobiphenyl	Lin2		1154573		23.6	25.0	-5.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.11	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150016.D
Lims ID: ICV AB Client ID:
Inject. Date: 15-Oct-2013 17:02:25 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 196035 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:06 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 21:00:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	31682820	24.4			
2	2	3.789	3.789	0.000	87276527	24.8			
						RPD = 1.77			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	41804373	25.4			
2	2	4.270	4.270	0.000	95450785	26.3			
						RPD = 3.56			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	46556470	24.6			
2	2	4.417	4.416	0.001	118458296	24.9			
						RPD = 1.17			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.712	-0.001	40900568	23.9			
2	2	4.731	4.731	0.000	98975893	24.3			
						RPD = 1.46			
12 beta-BHC									
1	100	4.789	4.789	0.000	16014194	22.4			
2	2	4.806	4.806	0.000	38739037	22.9			
						RPD = 2.02			
13 delta-BHC									
1	100	4.938	4.939	-0.001	41874921	24.2			
2	2	5.041	5.041	0.000	93343853	24.5			
						RPD = 1.58			
15 Heptachlor									
1	100	5.114	5.115	-0.001	37730526	25.4			
2	2	5.081	5.081	0.000	86693406	25.9			
						RPD = 1.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.376	5.376	0.000	40919685	25.3			
2	2	5.351	5.350	0.001	83991156	25.8			
						RPD = 2.01			
18 Isodrin									
1	100	5.688	5.688	0.000	31076270	22.9			
2	2	5.714	5.714	0.000	62463004	23.4			
						RPD = 2.26			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	35184356	24.9			
2	2	5.893	5.893	0.000	69604434	25.3			
						RPD = 1.47			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	37523002	25.4			
2	2	6.091	6.090	0.001	72987233	25.7			
						RPD = 1.50			
24 alpha-Chlordane									
1	-65	6.236	6.237	-0.001	36429494	25.2			
2	2	6.246	6.245	0.001	68430803	25.6			
						RPD = 1.73			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	37137589	24.4			
2	2	6.426	6.425	0.001	66192799	24.7			
						RPD = 1.31			
26 Endosulfan I									
1	100	6.379	6.379	0.000	34028663	24.9			
2	2	6.303	6.303	0.000	62609213	25.2			
						RPD = 1.48			
28 Dieldrin									
1	100	6.625	6.626	-0.001	37557344	25.1			
2	2	6.585	6.585	0.000	68371566	25.6			
						RPD = 2.13			
30 Endrin									
1	-65	6.860	6.861	-0.001	32700376	24.7			
2	2	6.891	6.891	0.000	57660641	25.2			
						RPD = 1.84			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	28047461	24.2			
2	2	7.007	7.006	0.001	51093226	24.7			
						RPD = 1.95			
34 Endosulfan II									
1	100	7.081	7.081	0.000	30888999	24.9			
2	2	7.101	7.100	0.001	53524775	25.4			
						RPD = 2.21			
35 4,4'-DDT									
1	-65	7.198	7.199	-0.001	27924616	24.6			
2	2	7.311	7.311	0.000	47435102	24.8			
						RPD = 1.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	26595247	24.9			
2	2	7.429	7.429	0.000	42961754	25.1			
						RPD = 0.83			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	14312785	25.5			
2	2	7.959	7.958	0.001	22121325	25.7			
						RPD = 0.72			
38 Mirex									
1	100	7.808	7.807	0.001	23605825	25.2			
2	2	8.138	8.138	0.000	34572811	25.5			
						RPD = 1.16			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	28218530	24.4			
2	2	7.687	7.687	0.000	44814542	24.7			
						RPD = 1.02			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	33865548	25.1			
2	2	8.180	8.179	0.001	50594661	25.2			
						RPD = 0.35			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	28864336	23.6			
2	2	9.321	9.320	0.001	32643808	23.9			
						RPD = 1.12			

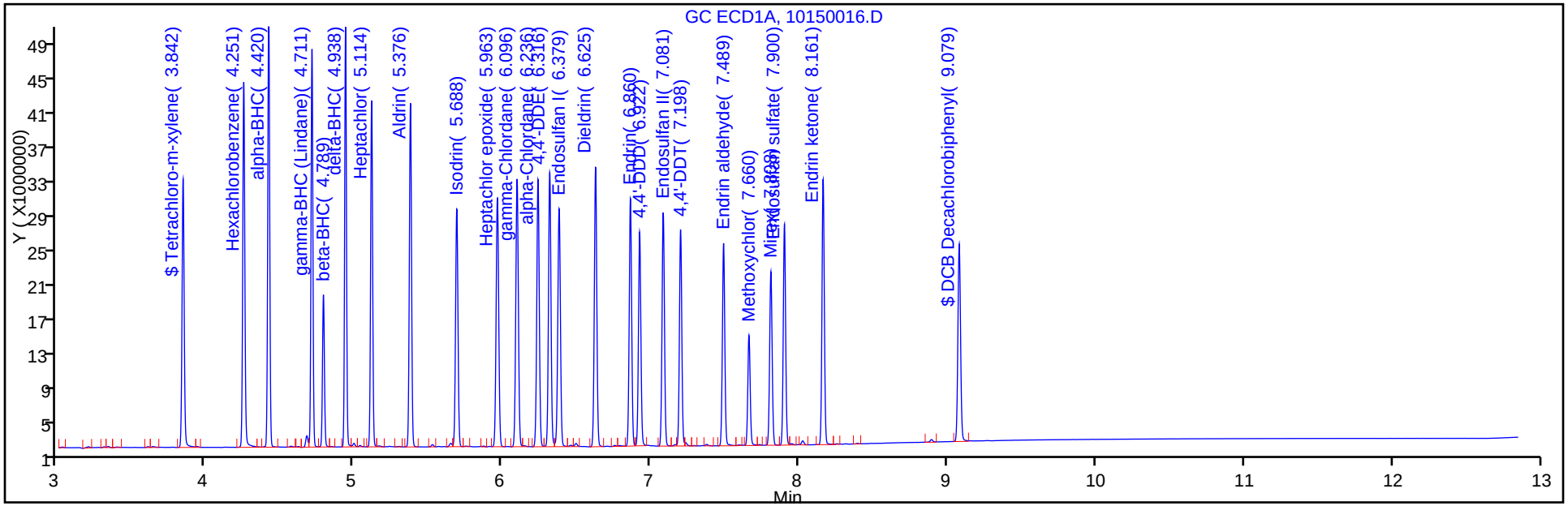
Report Date: 17-Oct-2013 05:36:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

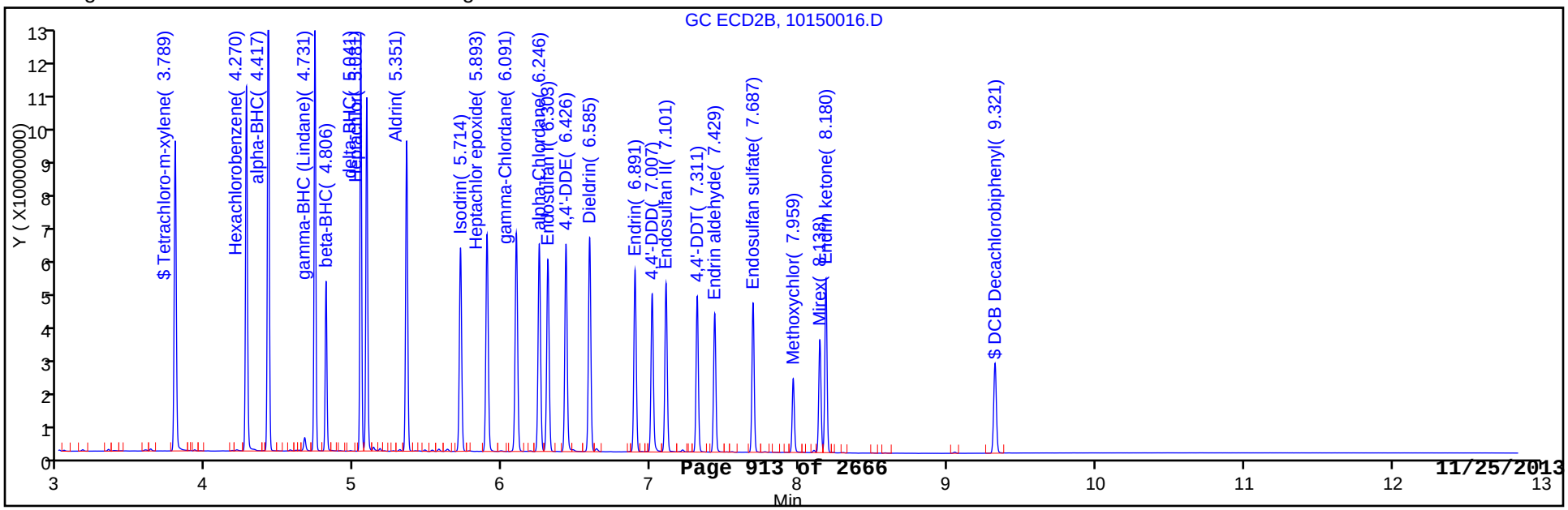
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Injection Date:	15-Oct-2013 17:02:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		4738332		24.9	25.0	-0.5	20.0
gamma-BHC (Lindane)	Lin2		3959036		24.3	25.0	-2.9	20.0
beta-BHC	Lin2		1549561		22.9	25.0	-8.5	20.0
delta-BHC	Lin2		3733754		24.5	25.0	-1.8	20.0
Heptachlor	Lin2		3467736		25.9	25.0	3.4	20.0
Aldrin	Lin2		3359646		25.8	25.0	3.3	20.0
Heptachlor epoxide	Lin2		2784177		25.3	25.0	1.1	20.0
gamma-Chlordane	Lin2		2919489		25.7	25.0	3.0	20.0
alpha-Chlordane	Lin2		2737232		25.6	25.0	2.4	20.0
Endosulfan I	Lin2		2504369		25.2	25.0	0.9	20.0
4,4'-DDE	Lin2		2647712		24.7	25.0	-1.3	20.0
Dieldrin	Lin2		2734863		25.6	25.0	2.4	20.0
Endrin	Lin2		2306426		25.2	25.0	0.8	20.0
4,4'-DDD	Lin2		2043729		24.7	25.0	-1.3	20.0
Endosulfan II	Lin2		2140991		25.4	25.0	1.7	20.0
4,4'-DDT	Lin2		1897404		24.8	25.0	-0.7	20.0
Endrin aldehyde	Lin2		1718470		25.1	25.0	0.4	20.0
Endosulfan sulfate	Lin2		1792582		24.7	25.0	-1.2	20.0
Methoxychlor	Lin2		884853		25.7	25.0	2.6	20.0
Endrin ketone	Lin2		2023786		25.2	25.0	0.7	20.0
Tetrachloro-m-xylene	Lin2		3491061		24.8	25.0	-0.7	20.0
DCB Decachlorobiphenyl	Lin2		1305752		23.9	25.0	-4.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/16 Calibration Date: 10/15/2013 17:02

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 10150016.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.73	4.72	4.74
beta-BHC	4.81	4.80	4.82
delta-BHC	5.04	5.03	5.05
Heptachlor	5.08	5.07	5.09
Aldrin	5.35	5.34	5.36
Heptachlor epoxide	5.89	5.88	5.90
gamma-Chlordane	6.09	6.08	6.10
alpha-Chlordane	6.25	6.24	6.26
Endosulfan I	6.30	6.29	6.31
4,4'-DDE	6.43	6.42	6.44
Dieldrin	6.59	6.58	6.60
Endrin	6.89	6.88	6.90
4,4'-DDD	7.01	7.00	7.02
Endosulfan II	7.10	7.09	7.11
4,4'-DDT	7.31	7.30	7.32
Endrin aldehyde	7.43	7.42	7.44
Endosulfan sulfate	7.69	7.68	7.70
Methoxychlor	7.96	7.95	7.97
Endrin ketone	8.18	8.17	8.19
Tetrachloro-m-xylene	3.79	3.78	3.80
DCB Decachlorobiphenyl	9.32	9.31	9.33

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150016.D
Lims ID: ICV AB Client ID:
Inject. Date: 15-Oct-2013 17:02:25 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 196035 Lims Sample ID: 16
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:06 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 21:00:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.842	3.842	0.000	31682820	24.4			
2	2	3.789	3.789	0.000	87276527	24.8			
						RPD = 1.77			
8 Hexachlorobenzene									
1	100	4.251	4.251	0.000	41804373	25.4			
2	2	4.270	4.270	0.000	95450785	26.3			
						RPD = 3.56			
10 alpha-BHC									
1	-65	4.420	4.421	-0.001	46556470	24.6			
2	2	4.417	4.416	0.001	118458296	24.9			
						RPD = 1.17			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.712	-0.001	40900568	23.9			
2	2	4.731	4.731	0.000	98975893	24.3			
						RPD = 1.46			
12 beta-BHC									
1	100	4.789	4.789	0.000	16014194	22.4			
2	2	4.806	4.806	0.000	38739037	22.9			
						RPD = 2.02			
13 delta-BHC									
1	100	4.938	4.939	-0.001	41874921	24.2			
2	2	5.041	5.041	0.000	93343853	24.5			
						RPD = 1.58			
15 Heptachlor									
1	100	5.114	5.115	-0.001	37730526	25.4			
2	2	5.081	5.081	0.000	86693406	25.9			
						RPD = 1.65			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
16 Aldrin									
1	-65	5.376	5.376	0.000	40919685	25.3			
2	2	5.351	5.350	0.001	83991156	25.8			
						RPD = 2.01			
18 Isodrin									
1	100	5.688	5.688	0.000	31076270	22.9			
2	2	5.714	5.714	0.000	62463004	23.4			
						RPD = 2.26			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	35184356	24.9			
2	2	5.893	5.893	0.000	69604434	25.3			
						RPD = 1.47			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	37523002	25.4			
2	2	6.091	6.090	0.001	72987233	25.7			
						RPD = 1.50			
24 alpha-Chlordane									
1	-65	6.236	6.237	-0.001	36429494	25.2			
2	2	6.246	6.245	0.001	68430803	25.6			
						RPD = 1.73			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	37137589	24.4			
2	2	6.426	6.425	0.001	66192799	24.7			
						RPD = 1.31			
26 Endosulfan I									
1	100	6.379	6.379	0.000	34028663	24.9			
2	2	6.303	6.303	0.000	62609213	25.2			
						RPD = 1.48			
28 Dieldrin									
1	100	6.625	6.626	-0.001	37557344	25.1			
2	2	6.585	6.585	0.000	68371566	25.6			
						RPD = 2.13			
30 Endrin									
1	-65	6.860	6.861	-0.001	32700376	24.7			
2	2	6.891	6.891	0.000	57660641	25.2			
						RPD = 1.84			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	28047461	24.2			
2	2	7.007	7.006	0.001	51093226	24.7			
						RPD = 1.95			
34 Endosulfan II									
1	100	7.081	7.081	0.000	30888999	24.9			
2	2	7.101	7.100	0.001	53524775	25.4			
						RPD = 2.21			
35 4,4'-DDT									
1	-65	7.198	7.199	-0.001	27924616	24.6			
2	2	7.311	7.311	0.000	47435102	24.8			
						RPD = 1.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									
1	-65	7.489	7.488	0.001	26595247	24.9			
2	2	7.429	7.429	0.000	42961754	25.1			
						RPD = 0.83			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	14312785	25.5			
2	2	7.959	7.958	0.001	22121325	25.7			
						RPD = 0.72			
38 Mirex									
1	100	7.808	7.807	0.001	23605825	25.2			
2	2	8.138	8.138	0.000	34572811	25.5			
						RPD = 1.16			
39 Endosulfan sulfate									
1	-65	7.900	7.899	0.001	28218530	24.4			
2	2	7.687	7.687	0.000	44814542	24.7			
						RPD = 1.02			
40 Endrin ketone									
1	-65	8.161	8.161	0.000	33865548	25.1			
2	2	8.180	8.179	0.001	50594661	25.2			
						RPD = 0.35			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	28864336	23.6			
2	2	9.321	9.320	0.001	32643808	23.9			
						RPD = 1.12			

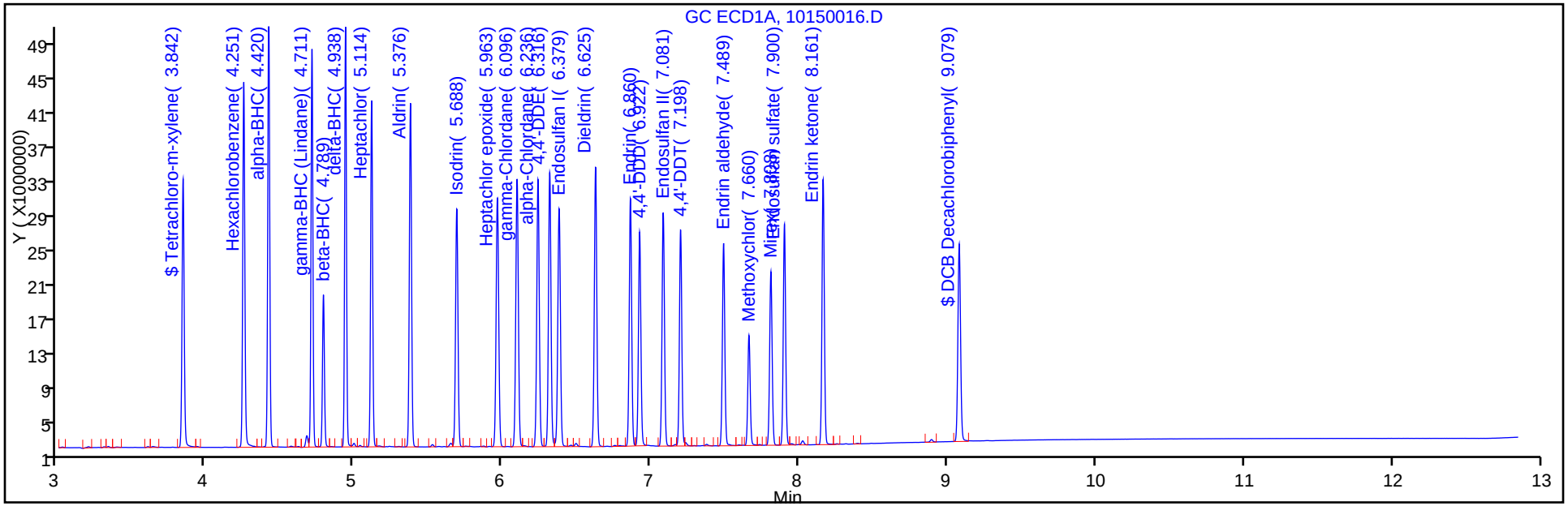
Report Date: 17-Oct-2013 05:36:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

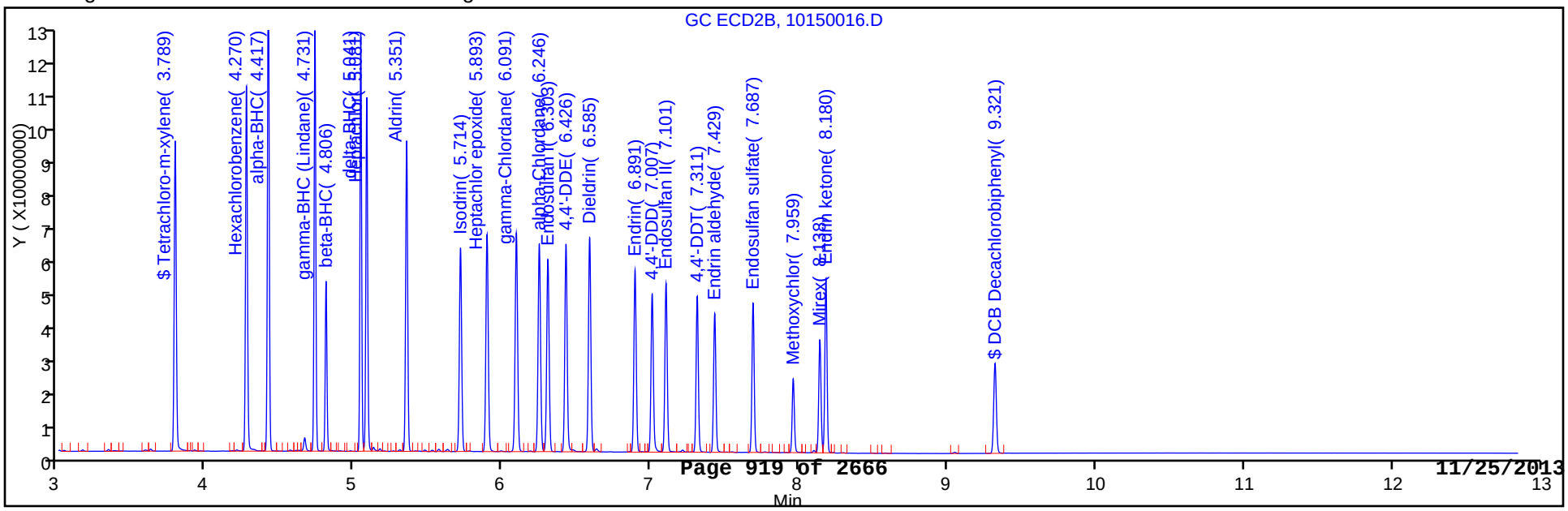
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Injection Date:	15-Oct-2013 17:02:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	16
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		5932		1380	1000	38.0*	20.0
Toxaphene Peak 2	Lin2		20314		903	1000	-9.7	20.0
Toxaphene Peak 3	Lin2		37619		1110	1000	11.0	20.0
Toxaphene Peak 4	Lin2		61421		956	1000	-4.4	20.0
Toxaphene Peak 5	Lin2		42046		1120	1000	12.1	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.23	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.15	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D
Lims ID: ICV TOX Client ID:
Inject. Date: 15-Oct-2013 21:08:32 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 196035 Lims Sample ID: 31
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:25 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 22:20:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.230	6.235	-0.005	5931505	1379.8		100.0	M
1	-65	6.722	6.721	0.001	20313893	902.8	513.2- 553.2	342.5	M
1	-65	7.407	7.407	0.000	37619222	1110.5	792.2- 832.2	634.2	M
1	-65	7.811	7.811	0.000	61420811	955.6	1468.1-1508.1	1035.5	M
1	-65	8.146	8.144	0.002	42046238	1121.0	878.0- 918.0	708.9	M
			Average of Peak Amounts =			1093.9			
2	6	6.563	6.561	0.002	39257230	1204.0		100.0	M
2	7	6.831	6.831	0.000	26027150	359.6	165.8- 225.8	66.3	M
2	8	7.182	7.182	0.000	79176981	858.1	243.1- 303.1	201.7	M
2	9	7.434	7.433	0.001	76856338	673.7	301.5- 361.5	195.8	M
2	10	8.266	8.266	0.000	48371805	1096.7	105.5- 165.5	123.2	M
			Average of Peak Amounts =			838.4			
						RPD = 26.44			

QC Flag Legend

Review Flags
M - Manually Integrated

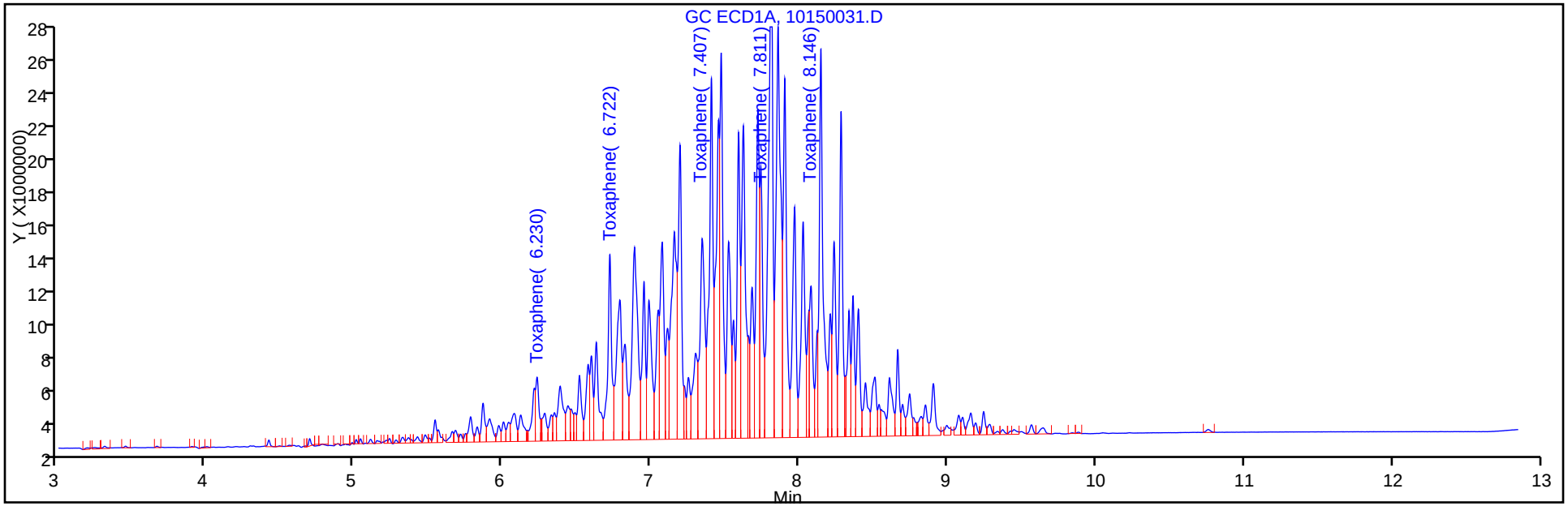
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TestAmerica Denver

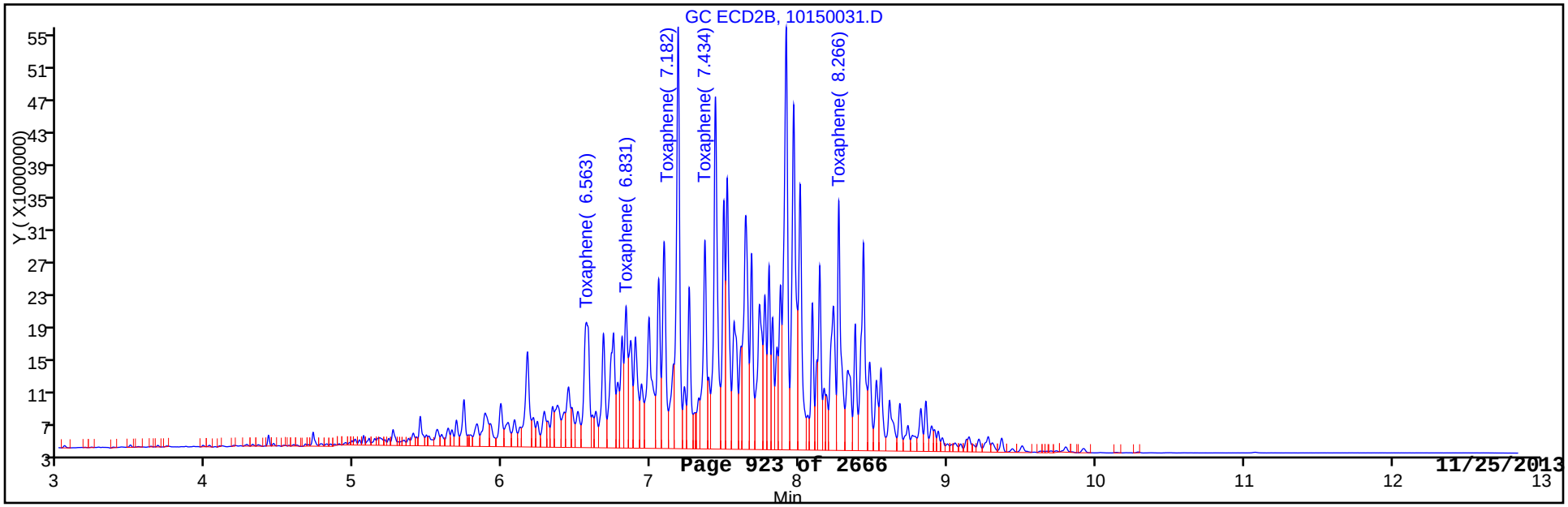
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Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



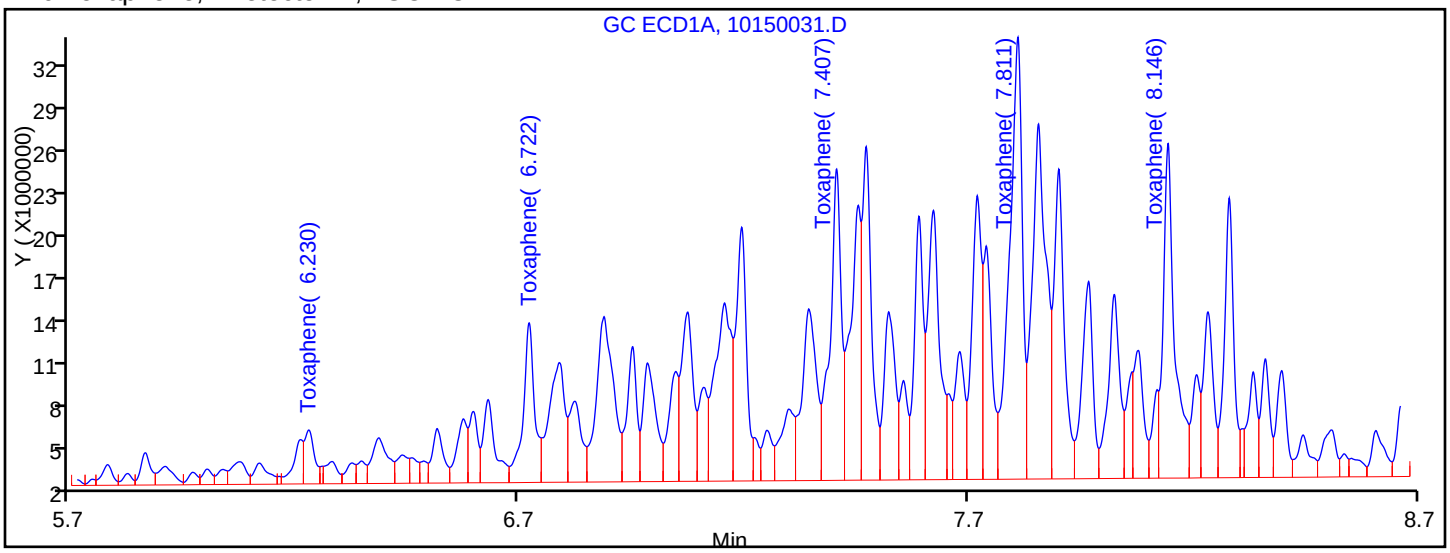
Report Date: 17-Oct-2013 05:36:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D

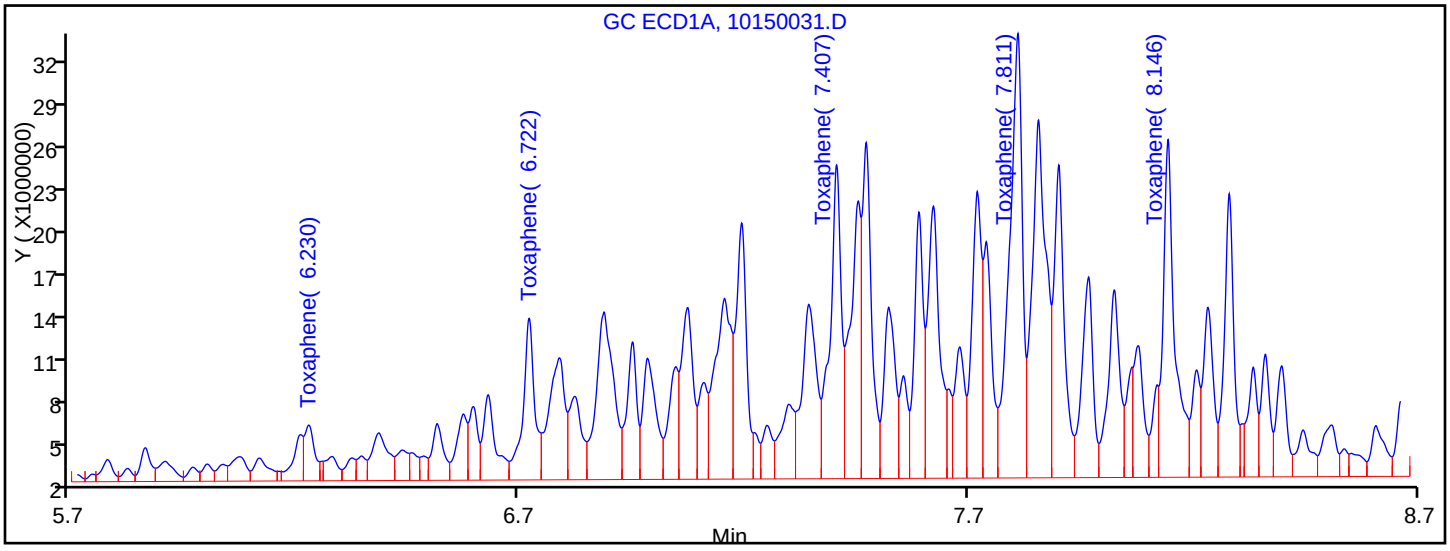
Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.230	Response = 5622036	M
RT = 6.722	Response = 19571494	M
RT = 7.407	Response = 36901197	M
RT = 7.811	Response = 60409572	M
RT = 8.146	Response = 40849936	M



Manual Integration Results

RT = 6.230	Response = 5931505	M
RT = 6.722	Response = 20313893	M
RT = 7.407	Response = 37619222	M
RT = 7.811	Response = 61420811	M
RT = 8.146	Response = 42046238	M

Reviewer: wellsd, 15-Oct-2013 22:20:17

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		39257		1200	1000	20.4*	20.0
Toxaphene Peak 2	Lin2		26027		360	1000	-64.0*	20.0
Toxaphene Peak 3	Lin2		79177		858	1000	-14.2	20.0
Toxaphene Peak 4	Lin2		76856		674	1000	-32.6*	20.0
Toxaphene Peak 5	Lin2		48372		1100	1000	9.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-196035/31 Calibration Date: 10/15/2013 21:08

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 10150031.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.56	6.54	6.58
Toxaphene Peak 2	6.83	6.81	6.85
Toxaphene Peak 3	7.18	7.16	7.20
Toxaphene Peak 4	7.43	7.41	7.45
Toxaphene Peak 5	8.27	8.25	8.29

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D
Lims ID: ICV TOX Client ID:
Inject. Date: 15-Oct-2013 21:08:32 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 196035 Lims Sample ID: 31
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\8081 P2.m
Last Update: 17-Oct-2013 05:36:25 Calib Date: 15-Oct-2013 22:30:27
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150036.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK024

First Level Reviewer: wellsd Date: 15-Oct-2013 22:20:17

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.230	6.235	-0.005	5931505	1379.8		100.0	M
1	-65	6.722	6.721	0.001	20313893	902.8	513.2- 553.2	342.5	M
1	-65	7.407	7.407	0.000	37619222	1110.5	792.2- 832.2	634.2	M
1	-65	7.811	7.811	0.000	61420811	955.6	1468.1-1508.1	1035.5	M
1	-65	8.146	8.144	0.002	42046238	1121.0	878.0- 918.0	708.9	M
			Average of Peak Amounts =			1093.9			
2	6	6.563	6.561	0.002	39257230	1204.0		100.0	M
2	7	6.831	6.831	0.000	26027150	359.6	165.8- 225.8	66.3	M
2	8	7.182	7.182	0.000	79176981	858.1	243.1- 303.1	201.7	M
2	9	7.434	7.433	0.001	76856338	673.7	301.5- 361.5	195.8	M
2	10	8.266	8.266	0.000	48371805	1096.7	105.5- 165.5	123.2	M
			Average of Peak Amounts =			838.4			
						RPD = 26.44			

QC Flag Legend

Review Flags
M - Manually Integrated

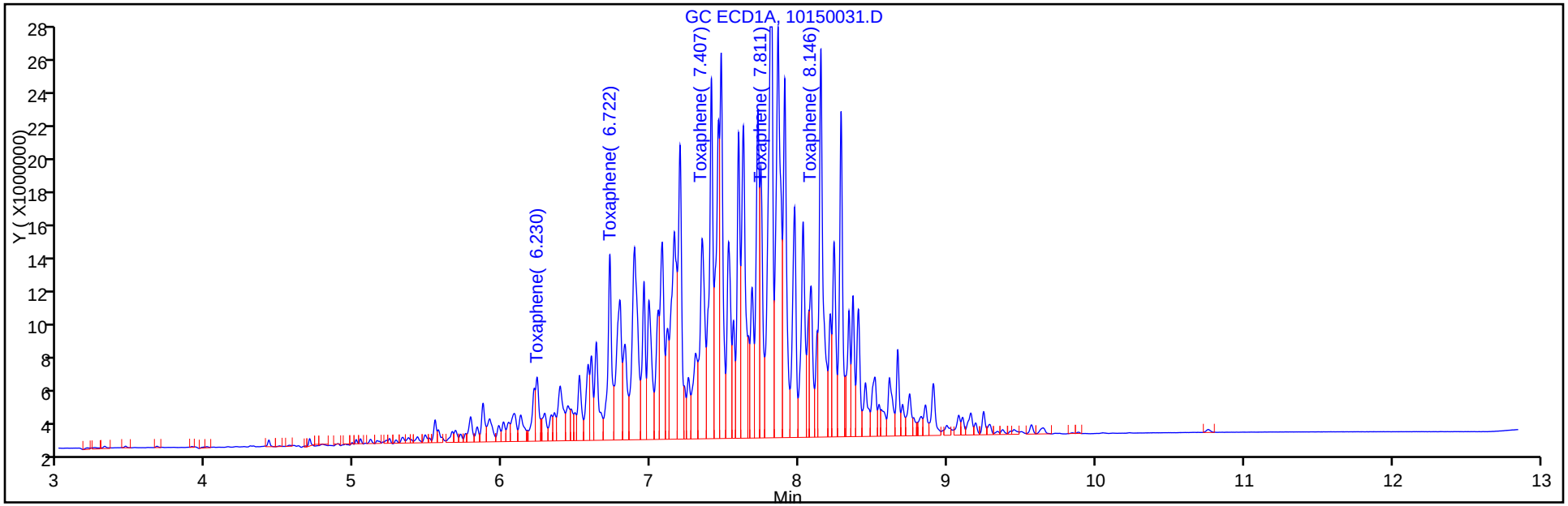
Report Date: 17-Oct-2013 05:36:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

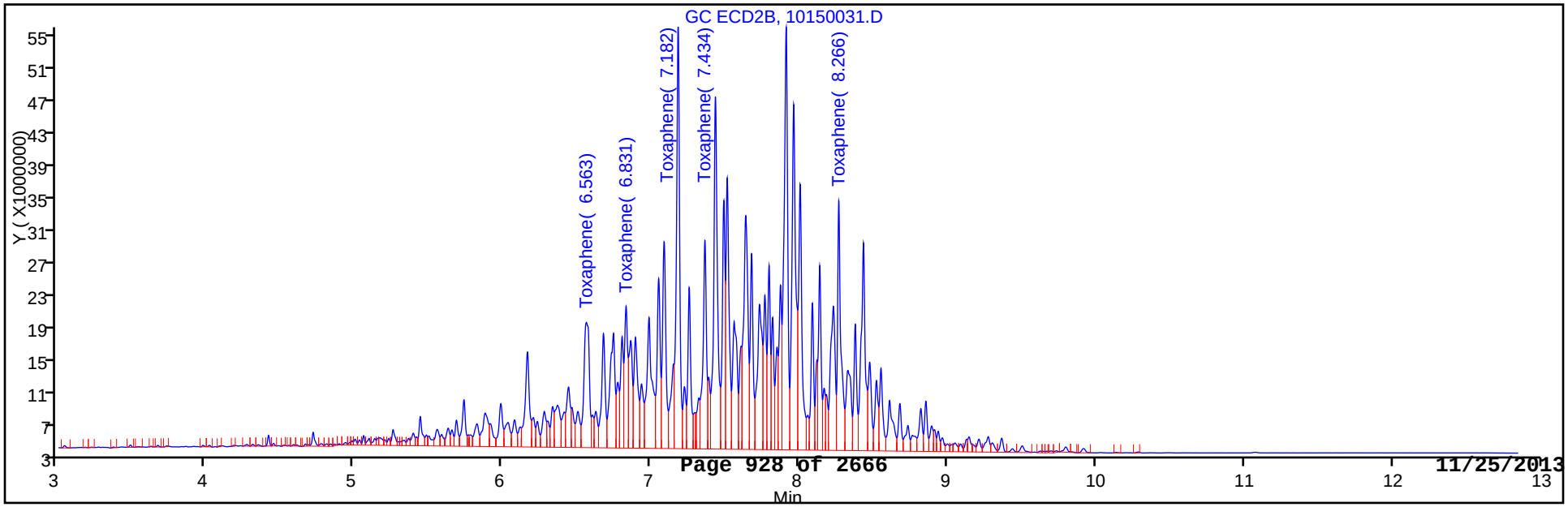
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Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



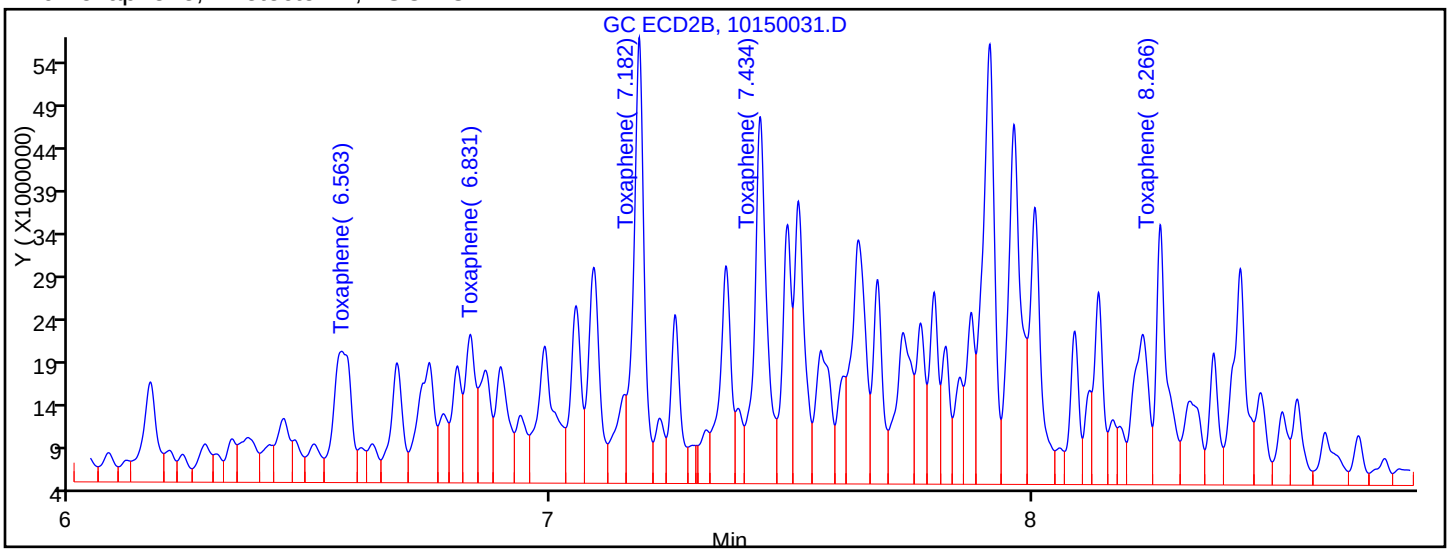
Report Date: 17-Oct-2013 05:36:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131015-16352.b\10150031.D

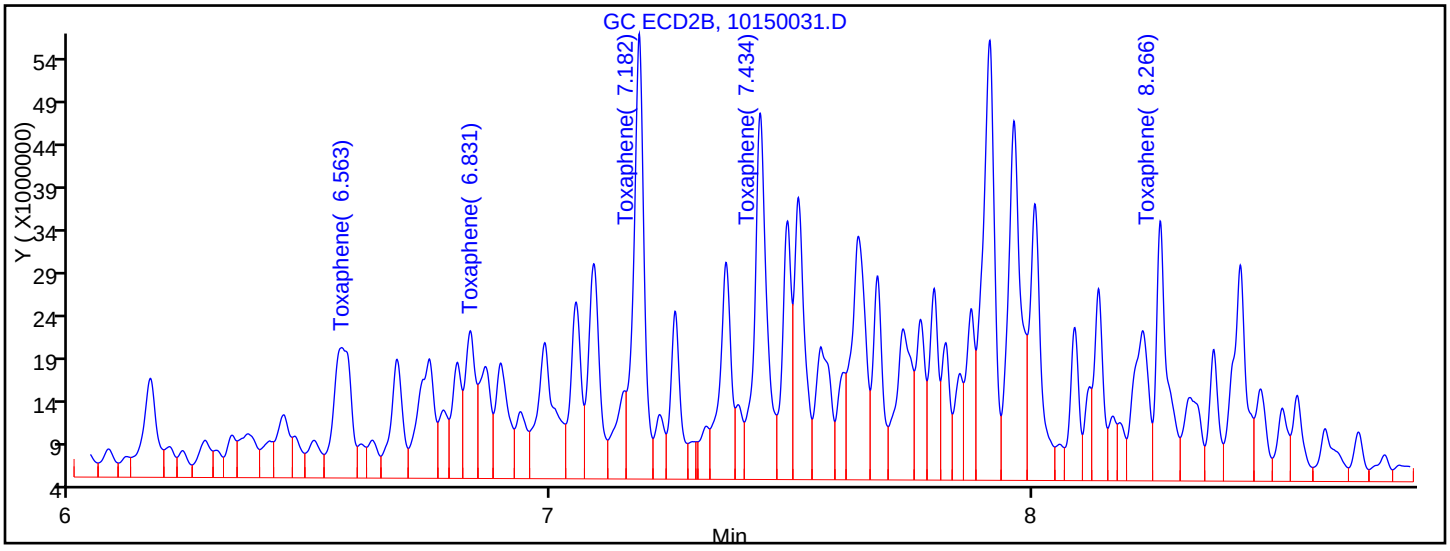
Injection Date:	15-Oct-2013 21:08:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	196035	Lims Sample ID:	31
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

20 Toxaphene, Detector: 2, GC ECD2B



Processing Integration Results

RT = 6.563	Response = 39686403	M
RT = 6.831	Response = 26198959	M
RT = 7.182	Response = 79423079	M
RT = 7.434	Response = 77104751	M
RT = 8.266	Response = 48443098	M



Manual Integration Results

RT = 6.563	Response = 39257230	M
RT = 6.831	Response = 26027150	M
RT = 7.182	Response = 79176981	M
RT = 7.434	Response = 76856338	M
RT = 8.266	Response = 48371805	M

Reviewer: wellsd, 15-Oct-2013 22:20:17

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		1734086		45.5	50.0	-8.9	20.0
gamma-BHC (Lindane)	Lin2		1534685		44.7	50.0	-10.5	20.0
beta-BHC	Lin2		642132		45.5	50.0	-9.1	20.0
delta-BHC	Lin2		1581234		45.4	50.0	-9.2	20.0
Heptachlor	Lin2		1278633		43.2	50.0	-13.6	20.0
Aldrin	Lin2		1512076		46.6	50.0	-6.7	20.0
Heptachlor epoxide	Lin2		1282728		45.6	50.0	-8.8	20.0
gamma-Chlordane	Lin2		1343625		45.4	50.0	-9.2	20.0
alpha-Chlordane	Lin2		1344194		46.6	50.0	-6.9	20.0
4,4'-DDE	Lin2		1494760		48.9	50.0	-2.1	20.0
Endosulfan I	Lin2		1277667		46.9	50.0	-6.2	20.0
Dieldrin	Lin2		1382938		46.2	50.0	-7.6	20.0
Endrin	Lin2		1260714		47.7	50.0	-4.6	20.0
4,4'-DDD	Lin2		1051569		45.4	50.0	-9.2	20.0
Endosulfan II	Lin2		1124007		45.4	50.0	-9.3	20.0
4,4'-DDT	Lin2		1044335		45.9	50.0	-8.2	20.0
Endrin aldehyde	Lin2		980776		46.3	50.0	-7.5	20.0
Methoxychlor	Lin2		532269		47.9	50.0	-4.1	20.0
Endosulfan sulfate	Lin2		1039998		45.3	50.0	-9.3	20.0
Endrin ketone	Lin2		1208475		45.1	50.0	-9.9	20.0
Tetrachloro-m-xylene	Lin2		1327831		51.2	50.0	2.4	20.0
DCB Decachlorobiphenyl	Lin2		1250987		52.0	50.0	4.0	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010010.D
Lims ID: CCVRT AB Client ID:
Inject. Date: 01-Nov-2013 12:55:25 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 198855 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:06 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	66391526	51.2			
2	2	3.799	3.799	0.000	196853482	57.0			
						RPD = 10.74			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	82176576	50.3			
2	2	4.280	4.280	0.000	200542789	56.4			
						RPD = 11.44			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	86704304	45.5			
2	2	4.426	4.426	0.000	249200407	52.8			
						RPD = 14.77			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.711	0.000	76734227	44.7			
2	2	4.741	4.741	0.000	211289915	52.4			
						RPD = 15.77			
12 beta-BHC									
1	100	4.790	4.790	0.000	32106590	45.5			
2	2	4.816	4.816	0.000	85701303	51.9			
						RPD = 13.20			
13 delta-BHC									
1	100	4.939	4.939	0.000	79061677	45.4			
2	2	5.050	5.050	0.000	196215431	52.1			
						RPD = 13.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	63931655	43.2			
2	2	5.091	5.091	0.000	168554892	51.1			
						RPD = 16.79			
16 Aldrin									
1	-65	5.377	5.377	0.000	75603782	46.6			
2	2	5.361	5.361	0.000	166960842	51.9			
						RPD = 10.69			
18 Isodrin									
1	100	5.689	5.689	0.000	62998937	46.5			
2	2	5.726	5.726	0.000	135288742	51.7			
						RPD = 10.49			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	64136395	45.6			
2	2	5.906	5.906	0.000	140184892	51.8			
						RPD = 12.84			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	67181231	45.4			
2	2	6.103	6.103	0.000	142879955	51.0			
						RPD = 11.65			
24 alpha-Chlordane									
1	-65	6.236	6.236	0.000	67209689	46.6			
2	2	6.257	6.257	0.000	135122459	51.3			
						RPD = 9.69			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	74738014	48.9			
2	2	6.436	6.436	0.000	138137158	52.1			
						RPD = 6.29			
26 Endosulfan I									
1	100	6.380	6.380	0.000	63883349	46.9			
2	2	6.315	6.315	0.000	124836018	51.2			
						RPD = 8.70			
28 Dieldrin									
1	100	6.625	6.625	0.000	69146922	46.2			
2	2	6.596	6.596	0.000	134160602	50.9			
						RPD = 9.66			
30 Endrin									
1	-65	6.860	6.860	0.000	63035684	47.7			
2	2	6.902	6.902	0.000	116639207	51.5			
						RPD = 7.72			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	52578469	45.4			
2	2	7.018	7.018	0.000	101708478	49.6			
						RPD = 8.84			
34 Endosulfan II									
1	100	7.080	7.080	0.000	56200358	45.4			
2	2	7.111	7.111	0.000	103677389	49.8			
						RPD = 9.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	52216754	45.9			
2	2	7.321	7.321	0.000	95270337	50.1			
						RPD = 8.77			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	49038820	46.3			
2	2	7.439	7.439	0.000	83688487	49.7			
						RPD = 7.08			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	26613439	47.9			
2	2	7.969	7.969	0.000	43399162	51.0			
						RPD = 6.11			
38 Mirex									
1	100	7.808	7.808	0.000	42440976	46.0			
2	2	8.149	8.149	0.000	63009182	47.4			
						RPD = 3.04			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	51999912	45.3			
2	2	7.697	7.697	0.000	87348644	48.9			
						RPD = 7.49			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	60423735	45.1			
2	2	8.189	8.189	0.000	93978415	47.3			
						RPD = 4.95			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	62549325	52.0			
2	2	9.333	9.333	0.000	68918917	51.4			
						RPD = 1.24			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

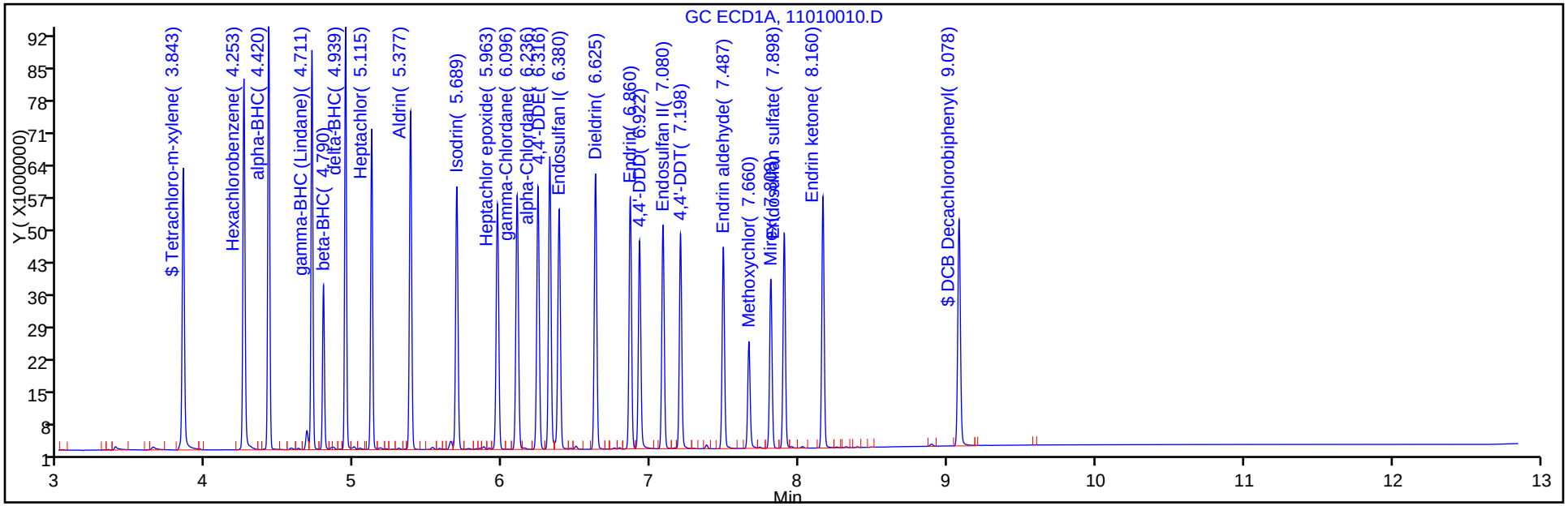
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TestAmerica Denver

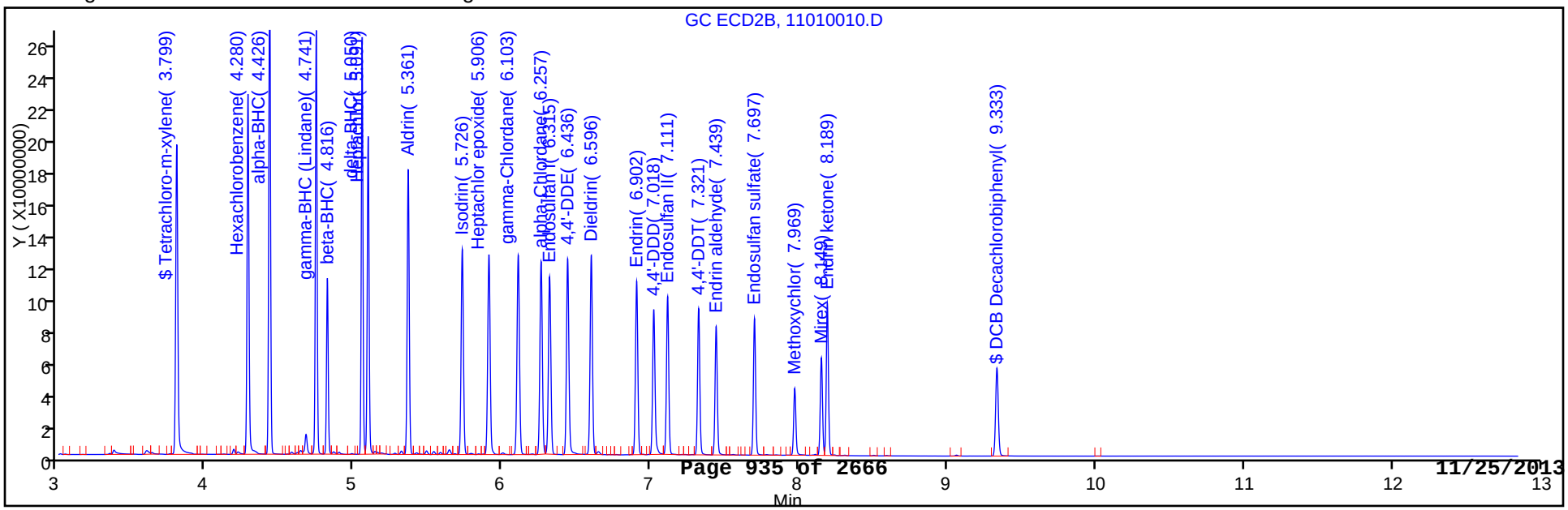
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Injection Date:	01-Nov-2013 12:55:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		4984008		52.8	50.0	5.6	20.0
gamma-BHC (Lindane)	Lin2		4225798		52.4	50.0	4.8	20.0
beta-BHC	Lin2		1714026		51.9	50.0	3.8	20.0
delta-BHC	Lin2		3924309		52.1	50.0	4.2	20.0
Heptachlor	Lin2		3371098		51.1	50.0	2.2	20.0
Aldrin	Lin2		3339217		51.9	50.0	3.8	20.0
Heptachlor epoxide	Lin2		2803698		51.8	50.0	3.7	20.0
gamma-Chlordane	Lin2		2857599		51.0	50.0	2.1	20.0
alpha-Chlordane	Lin2		2702449		51.3	50.0	2.6	20.0
Endosulfan I	Lin2		2496720		51.2	50.0	2.3	20.0
4,4'-DDE	Lin2		2762743		52.1	50.0	4.2	20.0
Dieldrin	Lin2		2683212		50.9	50.0	1.8	20.0
Endrin	Lin2		2332784		51.5	50.0	3.1	20.0
4,4'-DDD	Lin2		2034170		49.6	50.0	-0.8	20.0
Endosulfan II	Lin2		2073548		49.8	50.0	-0.4	20.0
4,4'-DDT	Lin2		1905407		50.1	50.0	0.3	20.0
Endrin aldehyde	Lin2		1673770		49.7	50.0	-0.7	20.0
Endosulfan sulfate	Lin2		1746973		48.9	50.0	-2.3	20.0
Methoxychlor	Lin2		867983		51.0	50.0	1.9	20.0
Endrin ketone	Lin2		1879568		47.3	50.0	-5.3	20.0
Tetrachloro-m-xylene	Lin2		3937070		57.0	50.0	14.0	20.0
DCB Decachlorobiphenyl	Lin2		1378378		51.4	50.0	2.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198855/10 Calibration Date: 11/01/2013 12:55

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010010.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010010.D
Lims ID: CCVRT AB Client ID:
Inject. Date: 01-Nov-2013 12:55:25 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 4
Lims Batch ID: 198855 Lims Sample ID: 10
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:06 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	66391526	51.2			
2	2	3.799	3.799	0.000	196853482	57.0			
						RPD = 10.74			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	82176576	50.3			
2	2	4.280	4.280	0.000	200542789	56.4			
						RPD = 11.44			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	86704304	45.5			
2	2	4.426	4.426	0.000	249200407	52.8			
						RPD = 14.77			
11 gamma-BHC (Lindane)									
1	-65	4.711	4.711	0.000	76734227	44.7			
2	2	4.741	4.741	0.000	211289915	52.4			
						RPD = 15.77			
12 beta-BHC									
1	100	4.790	4.790	0.000	32106590	45.5			
2	2	4.816	4.816	0.000	85701303	51.9			
						RPD = 13.20			
13 delta-BHC									
1	100	4.939	4.939	0.000	79061677	45.4			
2	2	5.050	5.050	0.000	196215431	52.1			
						RPD = 13.71			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	63931655	43.2			
2	2	5.091	5.091	0.000	168554892	51.1			
						RPD = 16.79			
16 Aldrin									
1	-65	5.377	5.377	0.000	75603782	46.6			
2	2	5.361	5.361	0.000	166960842	51.9			
						RPD = 10.69			
18 Isodrin									
1	100	5.689	5.689	0.000	62998937	46.5			
2	2	5.726	5.726	0.000	135288742	51.7			
						RPD = 10.49			
22 Heptachlor epoxide									
1	-65	5.963	5.963	0.000	64136395	45.6			
2	2	5.906	5.906	0.000	140184892	51.8			
						RPD = 12.84			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	67181231	45.4			
2	2	6.103	6.103	0.000	142879955	51.0			
						RPD = 11.65			
24 alpha-Chlordane									
1	-65	6.236	6.236	0.000	67209689	46.6			
2	2	6.257	6.257	0.000	135122459	51.3			
						RPD = 9.69			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	74738014	48.9			
2	2	6.436	6.436	0.000	138137158	52.1			
						RPD = 6.29			
26 Endosulfan I									
1	100	6.380	6.380	0.000	63883349	46.9			
2	2	6.315	6.315	0.000	124836018	51.2			
						RPD = 8.70			
28 Dieldrin									
1	100	6.625	6.625	0.000	69146922	46.2			
2	2	6.596	6.596	0.000	134160602	50.9			
						RPD = 9.66			
30 Endrin									
1	-65	6.860	6.860	0.000	63035684	47.7			
2	2	6.902	6.902	0.000	116639207	51.5			
						RPD = 7.72			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	52578469	45.4			
2	2	7.018	7.018	0.000	101708478	49.6			
						RPD = 8.84			
34 Endosulfan II									
1	100	7.080	7.080	0.000	56200358	45.4			
2	2	7.111	7.111	0.000	103677389	49.8			
						RPD = 9.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.198	7.198	0.000	52216754	45.9			
2	2	7.321	7.321	0.000	95270337	50.1			
						RPD = 8.77			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	49038820	46.3			
2	2	7.439	7.439	0.000	83688487	49.7			
						RPD = 7.08			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	26613439	47.9			
2	2	7.969	7.969	0.000	43399162	51.0			
						RPD = 6.11			
38 Mirex									
1	100	7.808	7.808	0.000	42440976	46.0			
2	2	8.149	8.149	0.000	63009182	47.4			
						RPD = 3.04			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	51999912	45.3			
2	2	7.697	7.697	0.000	87348644	48.9			
						RPD = 7.49			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	60423735	45.1			
2	2	8.189	8.189	0.000	93978415	47.3			
						RPD = 4.95			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	62549325	52.0			
2	2	9.333	9.333	0.000	68918917	51.4			
						RPD = 1.24			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

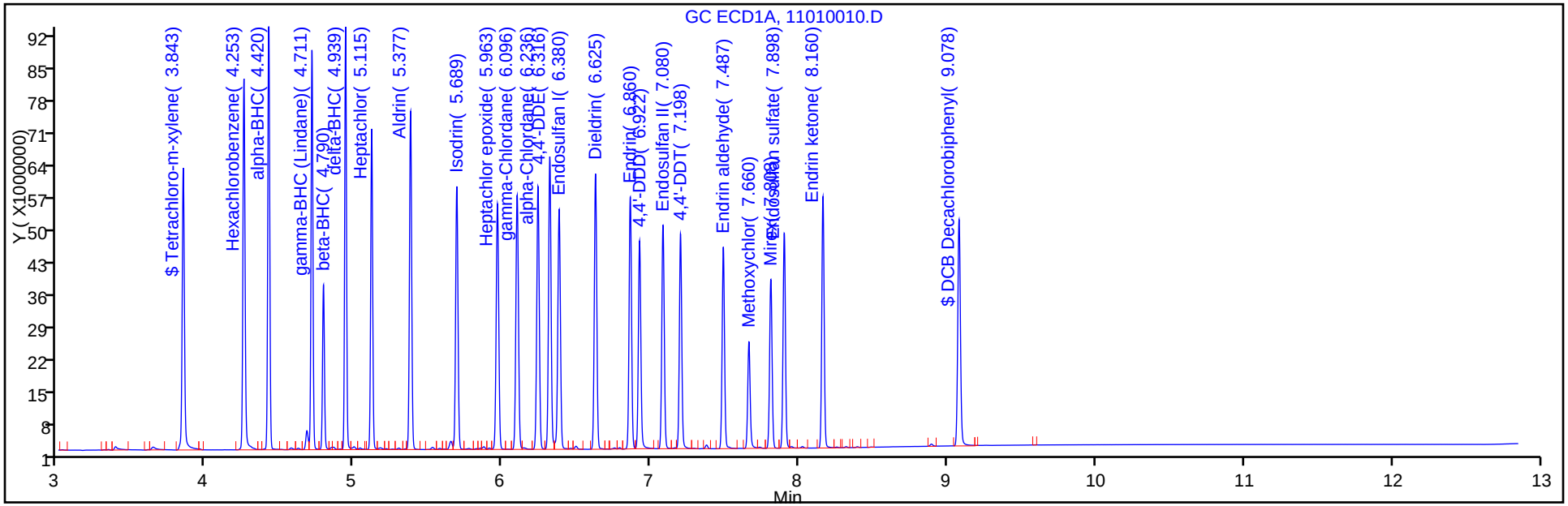
Report Date: 04-Nov-2013 06:46:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

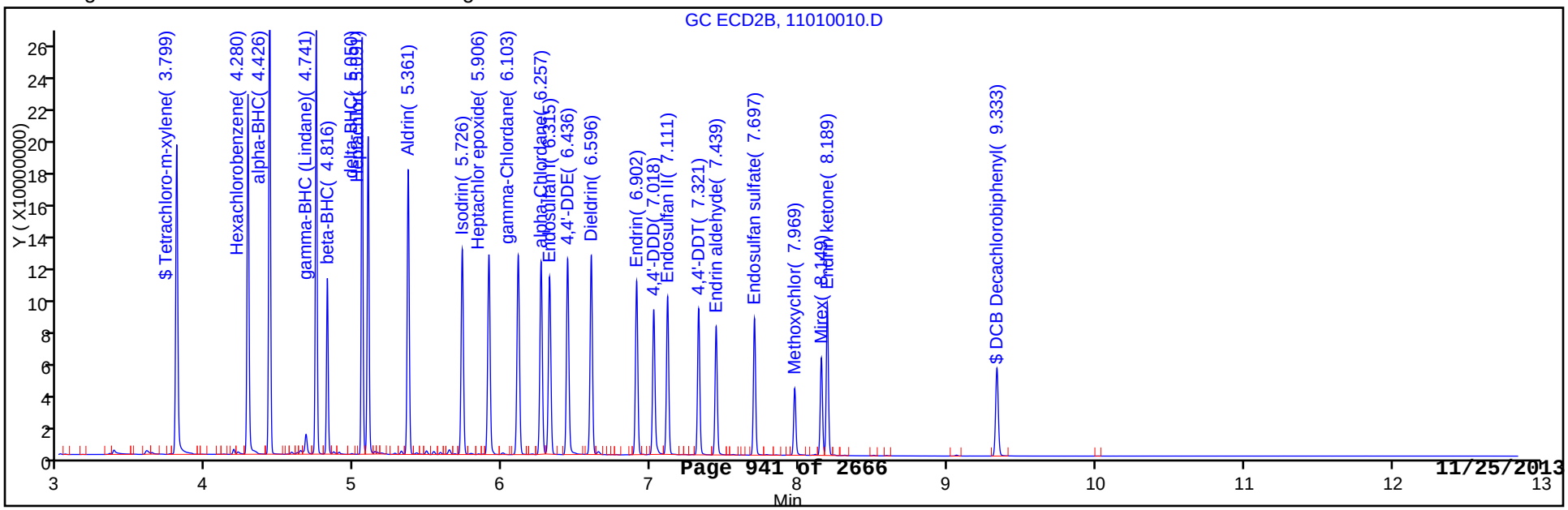
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Injection Date:	01-Nov-2013 12:55:25	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	10
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/11 Calibration Date: 11/01/2013 13:11

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010011.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		3718		1740	2000	-13.1	20.0
Toxaphene Peak 2	Lin2		21401		1910	2000	-4.7	20.0
Toxaphene Peak 3	Lin2		32290		1910	2000	-4.6	20.0
Toxaphene Peak 4	Lin2		60219		1870	2000	-6.7	20.0
Toxaphene Peak 5	Lin2		36757		1950	2000	-2.7	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/11 Calibration Date: 11/01/2013 13:11

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010011.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.24	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010011.D		
Lims ID:	CCV TOX	Client ID:	
Inject. Date:	01-Nov-2013 13:11:52	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	198855	Lims Sample ID:	11
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:08	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:20:51

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.235	6.235	0.000	7436143	1737.3		100.0	M
1	-65	6.721	6.721	0.000	42801893	1906.2	513.2- 553.2	575.6	M
1	-65	7.406	7.406	0.000	64580292	1907.1	792.2- 832.2	868.5	M
1	-65	7.811	7.811	0.000	120437600	1866.4	1468.1-1508.1	1619.6	M
1	-65	8.143	8.143	0.000	73514461	1945.4	878.0- 918.0	988.6	M
			Average of Peak Amounts =			1872.5			
2	6	6.574	6.574	0.000	67790554	2155.0		100.0	M
2	7	6.841	6.841	0.000	140669838	2186.2	165.8- 225.8	207.5	M
2	8	7.191	7.191	0.000	195223289	2184.2	243.1- 303.1	288.0	M
2	9	7.442	7.442	0.000	237292567	2169.1	301.5- 361.5	350.0	M
2	10	8.274	8.274	0.000	89065469	2037.2	105.5- 165.5	131.4	M
			Average of Peak Amounts =			2146.3			
						RPD = 13.63			

QC Flag Legend

Review Flags
M - Manually Integrated

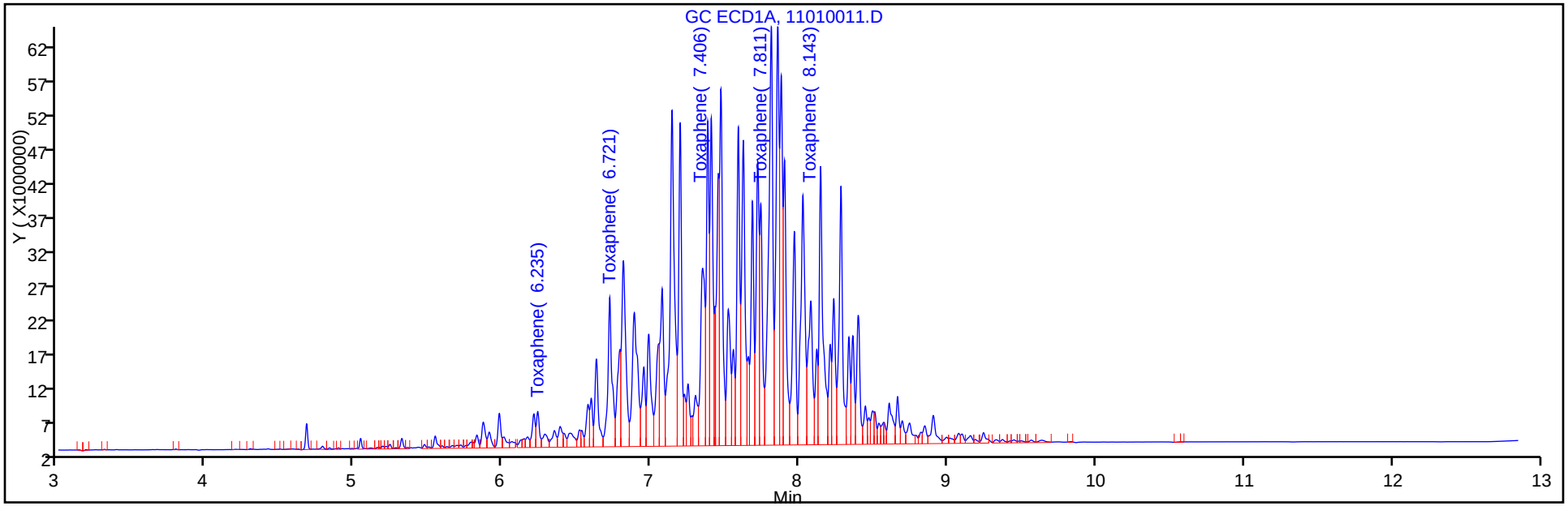
Report Date: 04-Nov-2013 06:46:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

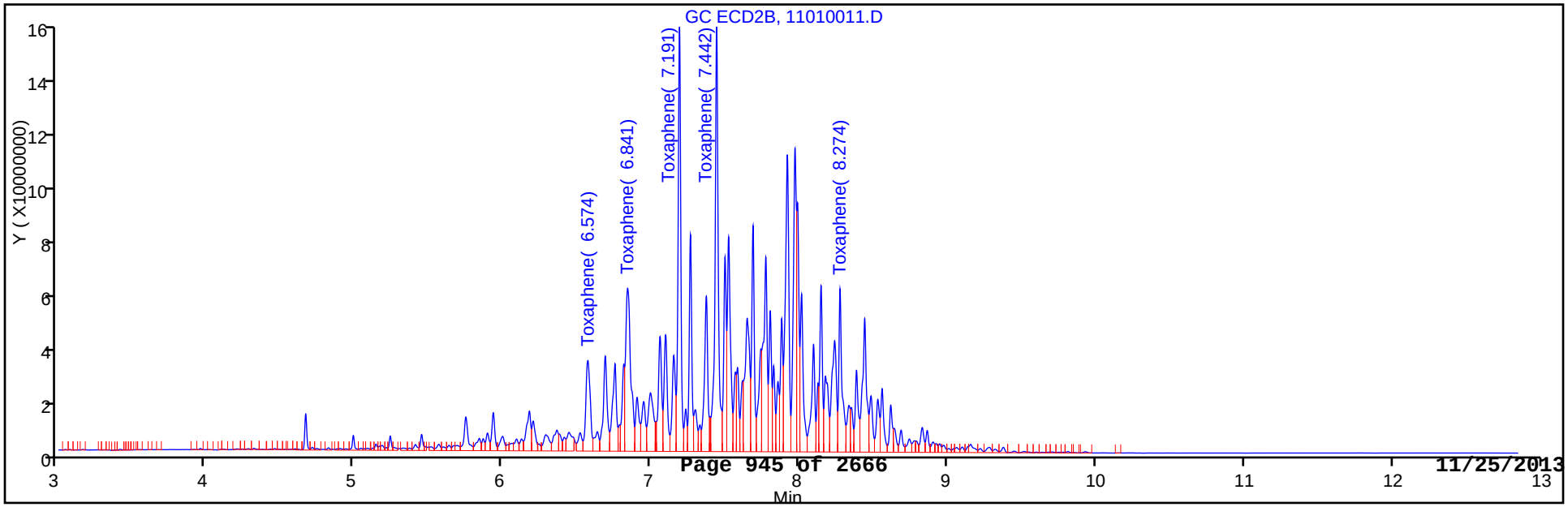
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010011.D

Injection Date:	01-Nov-2013 13:11:52	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



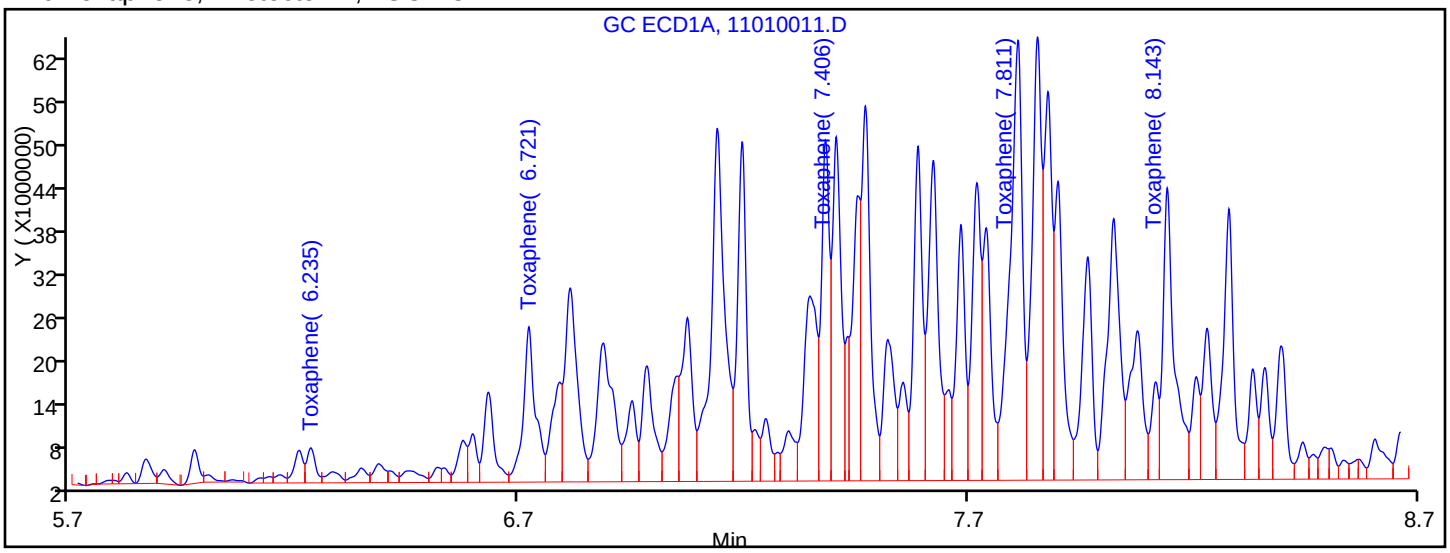
Report Date: 04-Nov-2013 06:46:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010011.D

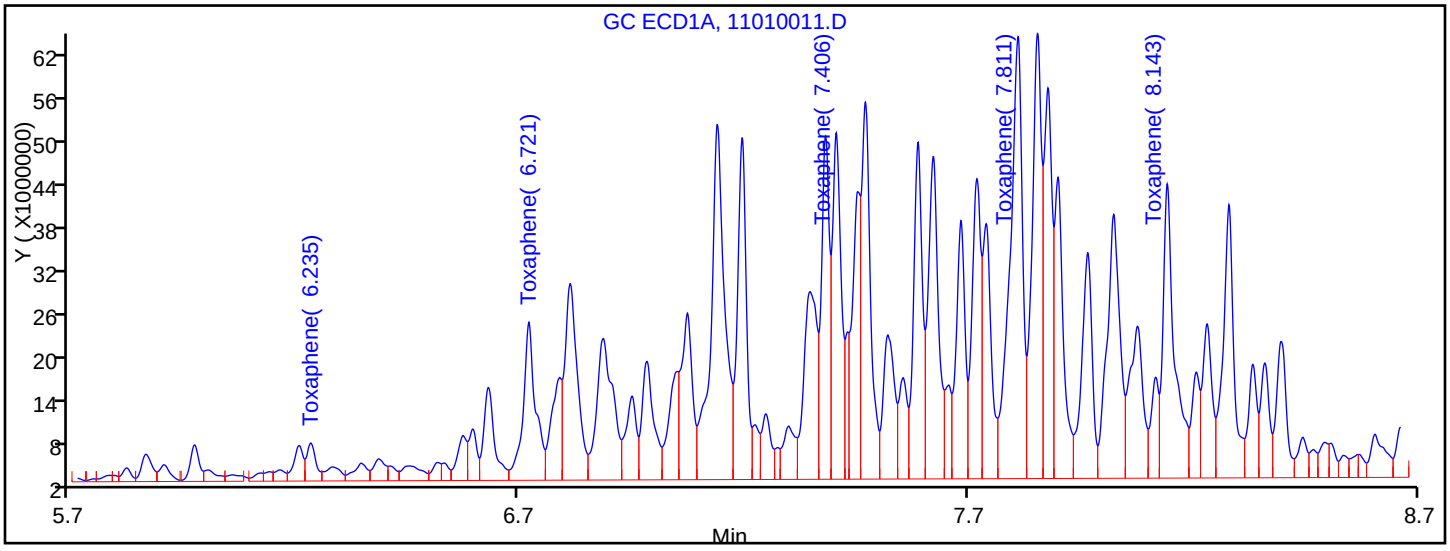
Injection Date:	01-Nov-2013 13:11:52	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	11
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.235	Response = 6480074	M
RT = 6.721	Response = 40690799	M
RT = 7.406	Response = 63739768	M
RT = 7.811	Response = 118673449	M
RT = 8.143	Response = 71674980	M



Manual Integration Results

RT = 6.235	Response = 7436143	M
RT = 6.721	Response = 42801893	M
RT = 7.406	Response = 64580292	M
RT = 7.811	Response = 120437600	M
RT = 8.143	Response = 73514461	M

Reviewer: wellsd, 04-Nov-2013 06:20:51

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		2013227		52.8	50.0	5.6	20.0
gamma-BHC (Lindane)	Lin2		1839761		53.6	50.0	7.2	20.0
beta-BHC	Lin2		742949		52.7	50.0	5.4	20.0
delta-BHC	Lin2		1849905		53.1	50.0	6.1	20.0
Heptachlor	Lin2		1487562		50.3	50.0	0.5	20.0
Aldrin	Lin2		1752715		54.1	50.0	8.1	20.0
Heptachlor epoxide	Lin2		1528856		54.4	50.0	8.7	20.0
gamma-Chlordane	Lin2		1595341		53.9	50.0	7.8	20.0
alpha-Chlordane	Lin2		1533036		53.1	50.0	6.2	20.0
4,4'-DDE	Lin2		1622946		53.1	50.0	6.3	20.0
Endosulfan I	Lin2		1478660		54.3	50.0	8.7	20.0
Dieldrin	Lin2		1617922		54.1	50.0	8.1	20.0
Endrin	Lin2		1436686		54.4	50.0	8.7	20.0
4,4'-DDD	Lin2		1313392		56.7	50.0	13.4	20.0
Endosulfan II	Lin2		1341540		54.2	50.0	8.3	20.0
4,4'-DDT	Lin2		1159157		51.0	50.0	1.9	20.0
Endrin aldehyde	Lin2		1141011		53.9	50.0	7.8	20.0
Methoxychlor	Lin2		575915		51.9	50.0	3.8	20.0
Endosulfan sulfate	Lin2		1231686		53.8	50.0	7.5	20.0
Endrin ketone	Lin2		1456200		54.4	50.0	8.8	20.0
Tetrachloro-m-xylene	Lin2		1367810		52.7	50.0	5.5	20.0
DCB Decachlorobiphenyl	Lin2		1288655		53.6	50.0	7.2	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.85	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010038.D
Lims ID: CCV AB Client ID:
Inject. Date: 01-Nov-2013 20:54:32 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 198855 Lims Sample ID: 38
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:32 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	68390494	52.7			
2	2	3.802	3.799	0.003	201803916	58.5			
						RPD = 10.29			
8 Hexachlorobenzene									
1	100	4.254	4.253	0.001	86235593	52.8			
2	2	4.281	4.280	0.001	207075683	58.2			
						RPD = 9.85			
10 alpha-BHC									
1	-65	4.422	4.420	0.002	100661358	52.8			
2	2	4.428	4.426	0.002	268497953	56.9			
						RPD = 7.47			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.711	0.002	91988067	53.6			
2	2	4.742	4.741	0.001	226966859	56.3			
						RPD = 4.96			
12 beta-BHC									
1	100	4.790	4.790	0.000	37147436	52.7			
2	2	4.816	4.816	0.000	92381790	56.0			
						RPD = 6.14			
13 delta-BHC									
1	100	4.939	4.939	0.000	92495246	53.1			
2	2	5.051	5.050	0.001	212649302	56.5			
						RPD = 6.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74378089	50.3			
2	2	5.092	5.091	0.001	180001276	54.6			
						RPD = 8.33			
16 Aldrin									
1	-65	5.377	5.377	0.000	87635731	54.1			
2	2	5.362	5.361	0.001	179880672	56.0			
						RPD = 3.50			
18 Isodrin									
1	100	5.690	5.689	0.001	73085331	54.0			
2	2	5.728	5.726	0.002	145390693	55.6			
						RPD = 2.93			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76442817	54.4			
2	2	5.907	5.906	0.001	150621362	55.8			
						RPD = 2.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	79767044	53.9			
2	2	6.105	6.103	0.002	153979472	55.0			
						RPD = 2.06			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	76651796	53.1			
2	2	6.259	6.257	0.002	144915399	55.1			
						RPD = 3.61			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81147306	53.1			
2	2	6.437	6.436	0.001	148837701	56.2			
						RPD = 5.62			
26 Endosulfan I									
1	100	6.379	6.380	-0.001	73932987	54.3			
2	2	6.316	6.315	0.001	134084374	55.0			
						RPD = 1.27			
28 Dieldrin									
1	100	6.625	6.625	0.000	80896101	54.1			
2	2	6.598	6.596	0.002	145742782	55.3			
						RPD = 2.34			
30 Endrin									
1	-65	6.859	6.860	-0.001	71834315	54.4			
2	2	6.903	6.902	0.001	124558865	55.1			
						RPD = 1.29			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65669583	56.7			
2	2	7.018	7.018	0.000	113380037	55.3			
						RPD = 2.44			
34 Endosulfan II									
1	100	7.081	7.080	0.001	67076983	54.2			
2	2	7.112	7.111	0.001	113477659	54.6			
						RPD = 0.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	57957842	51.0			
2	2	7.321	7.321	0.000	95574438	50.3			
						RPD = 1.33			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	57050527	53.9			
2	2	7.440	7.439	0.001	90069712	53.5			
						RPD = 0.71			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28795753	51.9			
2	2	7.969	7.969	0.000	42918601	50.4			
						RPD = 3.00			
38 Mirex									
1	100	7.808	7.808	0.000	48484367	52.6			
2	2	8.150	8.149	0.001	67876920	51.1			
						RPD = 2.87			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61584322	53.8			
2	2	7.698	7.697	0.001	95182281	53.3			
						RPD = 0.83			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	72810011	54.4			
2	2	8.190	8.189	0.001	102955920	51.9			
						RPD = 4.59			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	64432727	53.6			
2	2	9.334	9.333	0.001	70934425	52.9			
						RPD = 1.31			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

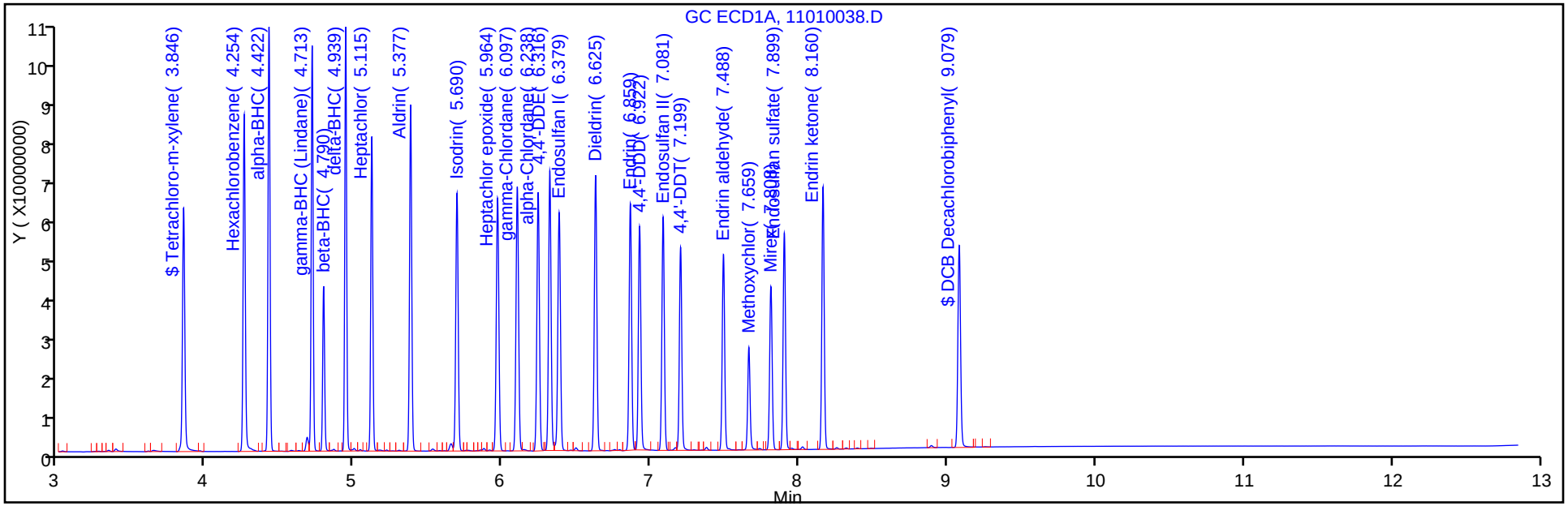
Report Date: 04-Nov-2013 06:46:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

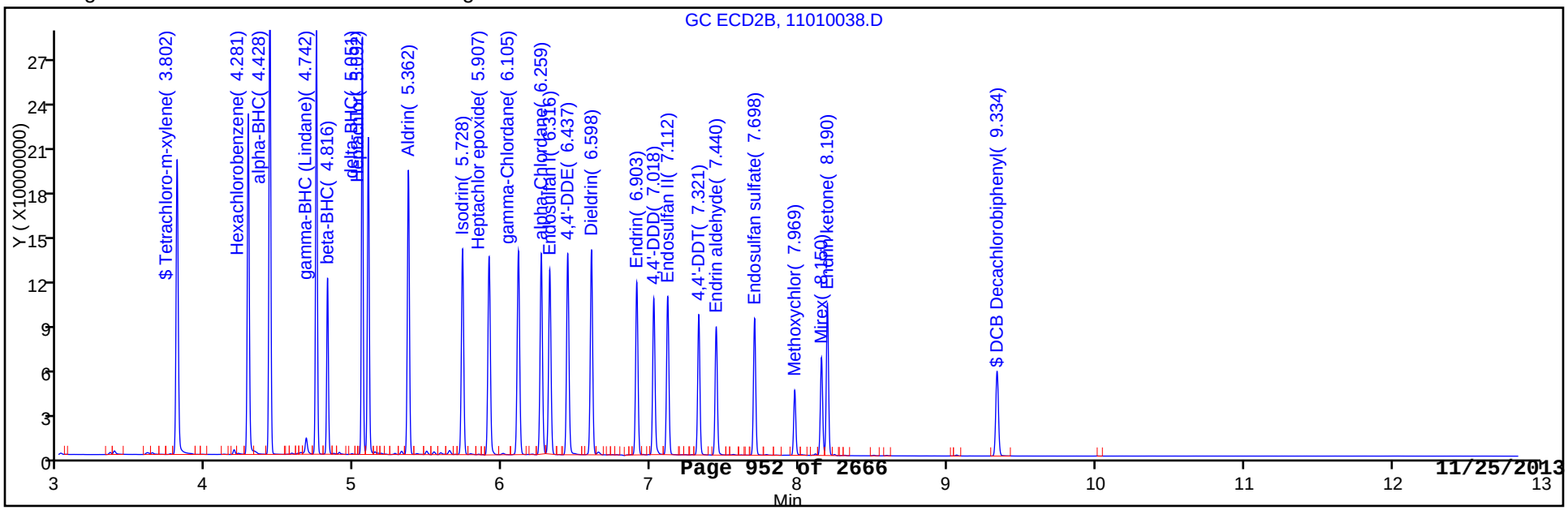
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010038.D

Injection Date:	01-Nov-2013 20:54:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	38
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5369959		56.9	50.0	13.8	20.0
gamma-BHC (Lindane)	Lin2		4539337		56.3	50.0	12.7	20.0
beta-BHC	Lin2		1847636		56.0	50.0	12.1	20.0
delta-BHC	Lin2		4252986		56.5	50.0	13.0	20.0
Heptachlor	Lin2		3600026		54.6	50.0	9.2	20.0
Aldrin	Lin2		3597613		56.0	50.0	12.0	20.0
Heptachlor epoxide	Lin2		3012427		55.8	50.0	11.5	20.0
gamma-Chlordane	Lin2		3079589		55.0	50.0	10.1	20.0
alpha-Chlordane	Lin2		2898308		55.1	50.0	10.1	20.0
Endosulfan I	Lin2		2681687		55.0	50.0	10.0	20.0
4,4'-DDE	Lin2		2976754		56.2	50.0	12.4	20.0
Dieldrin	Lin2		2914856		55.3	50.0	10.7	20.0
Endrin	Lin2		2491177		55.1	50.0	10.1	20.0
4,4'-DDD	Lin2		2267601		55.3	50.0	10.7	20.0
Endosulfan II	Lin2		2269553		54.6	50.0	9.1	20.0
4,4'-DDT	Lin2		1911489		50.3	50.0	0.6	20.0
Endrin aldehyde	Lin2		1801394		53.5	50.0	7.0	20.0
Endosulfan sulfate	Lin2		1903646		53.3	50.0	6.7	20.0
Methoxychlor	Lin2		858372		50.4	50.0	0.8	20.0
Endrin ketone	Lin2		2059118		51.9	50.0	3.9	20.0
Tetrachloro-m-xylene	Lin2		4036078		58.5	50.0	16.9	20.0
DCB Decachlorobiphenyl	Lin2		1418689		52.9	50.0	5.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/38 Calibration Date: 11/01/2013 20:54

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010038.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.11	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010038.D
Lims ID: CCV AB Client ID:
Inject. Date: 01-Nov-2013 20:54:32 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 198855 Lims Sample ID: 38
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:32 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	68390494	52.7			
2	2	3.802	3.799	0.003	201803916	58.5			
						RPD = 10.29			
8 Hexachlorobenzene									
1	100	4.254	4.253	0.001	86235593	52.8			
2	2	4.281	4.280	0.001	207075683	58.2			
						RPD = 9.85			
10 alpha-BHC									
1	-65	4.422	4.420	0.002	100661358	52.8			
2	2	4.428	4.426	0.002	268497953	56.9			
						RPD = 7.47			
11 gamma-BHC (Lindane)									
1	-65	4.713	4.711	0.002	91988067	53.6			
2	2	4.742	4.741	0.001	226966859	56.3			
						RPD = 4.96			
12 beta-BHC									
1	100	4.790	4.790	0.000	37147436	52.7			
2	2	4.816	4.816	0.000	92381790	56.0			
						RPD = 6.14			
13 delta-BHC									
1	100	4.939	4.939	0.000	92495246	53.1			
2	2	5.051	5.050	0.001	212649302	56.5			
						RPD = 6.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	74378089	50.3			
2	2	5.092	5.091	0.001	180001276	54.6			
						RPD = 8.33			
16 Aldrin									
1	-65	5.377	5.377	0.000	87635731	54.1			
2	2	5.362	5.361	0.001	179880672	56.0			
						RPD = 3.50			
18 Isodrin									
1	100	5.690	5.689	0.001	73085331	54.0			
2	2	5.728	5.726	0.002	145390693	55.6			
						RPD = 2.93			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76442817	54.4			
2	2	5.907	5.906	0.001	150621362	55.8			
						RPD = 2.53			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	79767044	53.9			
2	2	6.105	6.103	0.002	153979472	55.0			
						RPD = 2.06			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	76651796	53.1			
2	2	6.259	6.257	0.002	144915399	55.1			
						RPD = 3.61			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81147306	53.1			
2	2	6.437	6.436	0.001	148837701	56.2			
						RPD = 5.62			
26 Endosulfan I									
1	100	6.379	6.380	-0.001	73932987	54.3			
2	2	6.316	6.315	0.001	134084374	55.0			
						RPD = 1.27			
28 Dieldrin									
1	100	6.625	6.625	0.000	80896101	54.1			
2	2	6.598	6.596	0.002	145742782	55.3			
						RPD = 2.34			
30 Endrin									
1	-65	6.859	6.860	-0.001	71834315	54.4			
2	2	6.903	6.902	0.001	124558865	55.1			
						RPD = 1.29			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65669583	56.7			
2	2	7.018	7.018	0.000	113380037	55.3			
						RPD = 2.44			
34 Endosulfan II									
1	100	7.081	7.080	0.001	67076983	54.2			
2	2	7.112	7.111	0.001	113477659	54.6			
						RPD = 0.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	57957842	51.0			
2	2	7.321	7.321	0.000	95574438	50.3			
						RPD = 1.33			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	57050527	53.9			
2	2	7.440	7.439	0.001	90069712	53.5			
						RPD = 0.71			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28795753	51.9			
2	2	7.969	7.969	0.000	42918601	50.4			
						RPD = 3.00			
38 Mirex									
1	100	7.808	7.808	0.000	48484367	52.6			
2	2	8.150	8.149	0.001	67876920	51.1			
						RPD = 2.87			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61584322	53.8			
2	2	7.698	7.697	0.001	95182281	53.3			
						RPD = 0.83			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	72810011	54.4			
2	2	8.190	8.189	0.001	102955920	51.9			
						RPD = 4.59			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	64432727	53.6			
2	2	9.334	9.333	0.001	70934425	52.9			
						RPD = 1.31			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

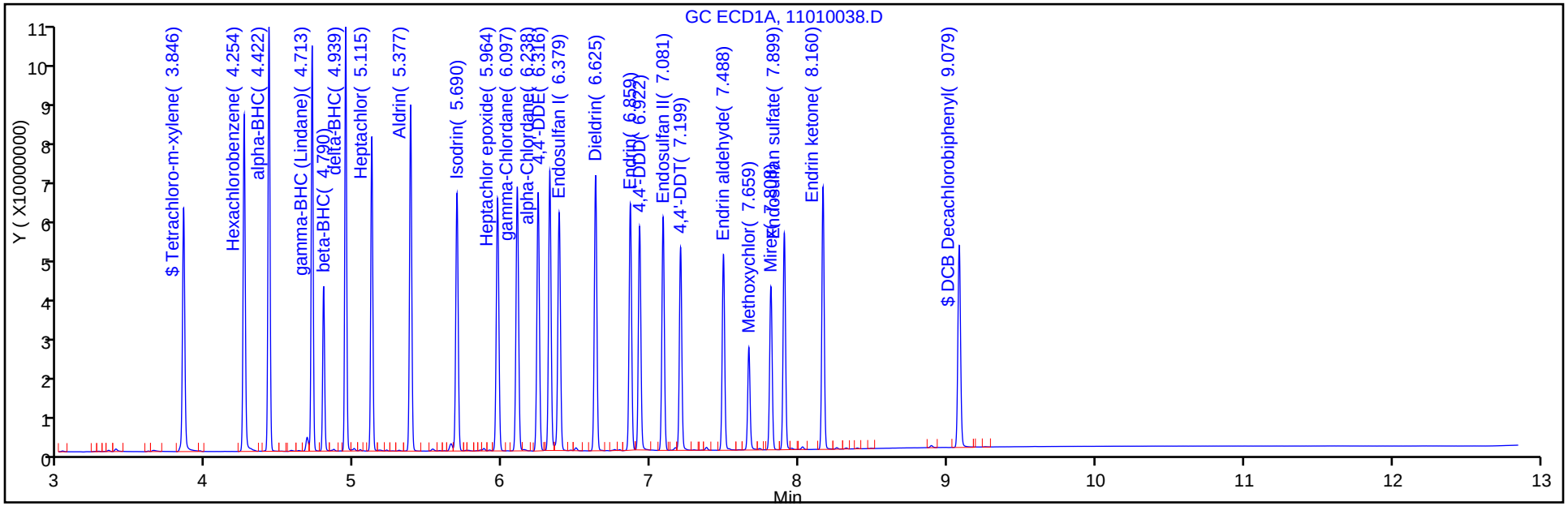
Report Date: 04-Nov-2013 06:46:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

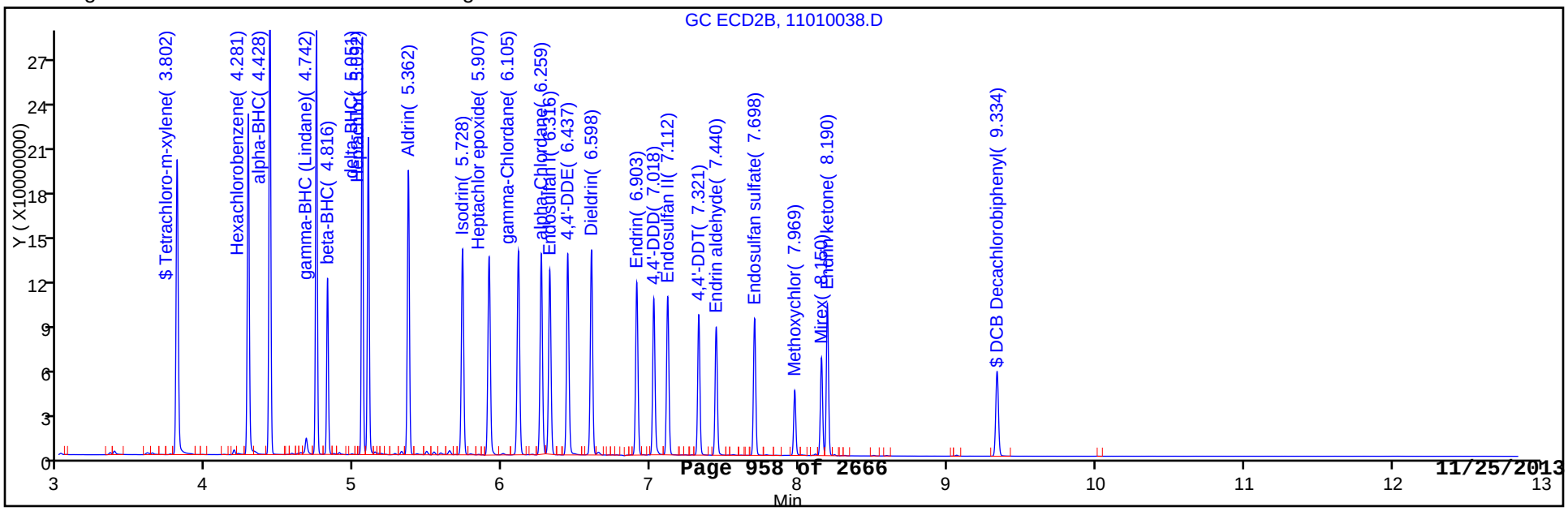
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Injection Date:	01-Nov-2013 20:54:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	38
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/40 Calibration Date: 11/01/2013 21:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010040.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		6146		2890	2000	44.6*	20.0
Toxaphene Peak 2	Lin2		20736		1850	2000	-7.7	20.0
Toxaphene Peak 3	Lin2		36852		2180	2000	8.8	20.0
Toxaphene Peak 4	Lin2		63632		1970	2000	-1.4	20.0
Toxaphene Peak 5	Lin2		37301		1970	2000	-1.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/40 Calibration Date: 11/01/2013 21:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010040.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.24	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010040.D		
Lims ID:	CCV TOX	Client ID:	
Inject. Date:	01-Nov-2013 21:27:18	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	34
Lims Batch ID:	198855	Lims Sample ID:	40
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:34	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.236	6.235	0.001	12292128	2891.1		100.0	M
1	-65	6.721	6.721	0.000	41471528	1846.8	513.2- 553.2	337.4	M
1	-65	7.406	7.406	0.000	73703496	2176.7	792.2- 832.2	599.6	M
1	-65	7.811	7.811	0.000	127264795	1971.8	1468.1-1508.1	1035.3	M
1	-65	8.144	8.143	0.001	74602040	1973.9	878.0- 918.0	606.9	M
			Average of Peak Amounts =			2172.1			
2	6	6.574	6.574	0.000	83016214	2662.5		100.0	M
2	7	6.843	6.841	0.002	137602019	2137.3	165.8- 225.8	165.8	M
2	8	7.192	7.191	0.001	202923161	2272.2	243.1- 303.1	244.4	M
2	9	7.443	7.442	0.001	242911290	2221.5	301.5- 361.5	292.6	M
2	10	8.276	8.274	0.002	87434709	1999.5	105.5- 165.5	105.3	M
			Average of Peak Amounts =			2258.6			
						RPD = 3.91			

QC Flag Legend

Review Flags
M - Manually Integrated

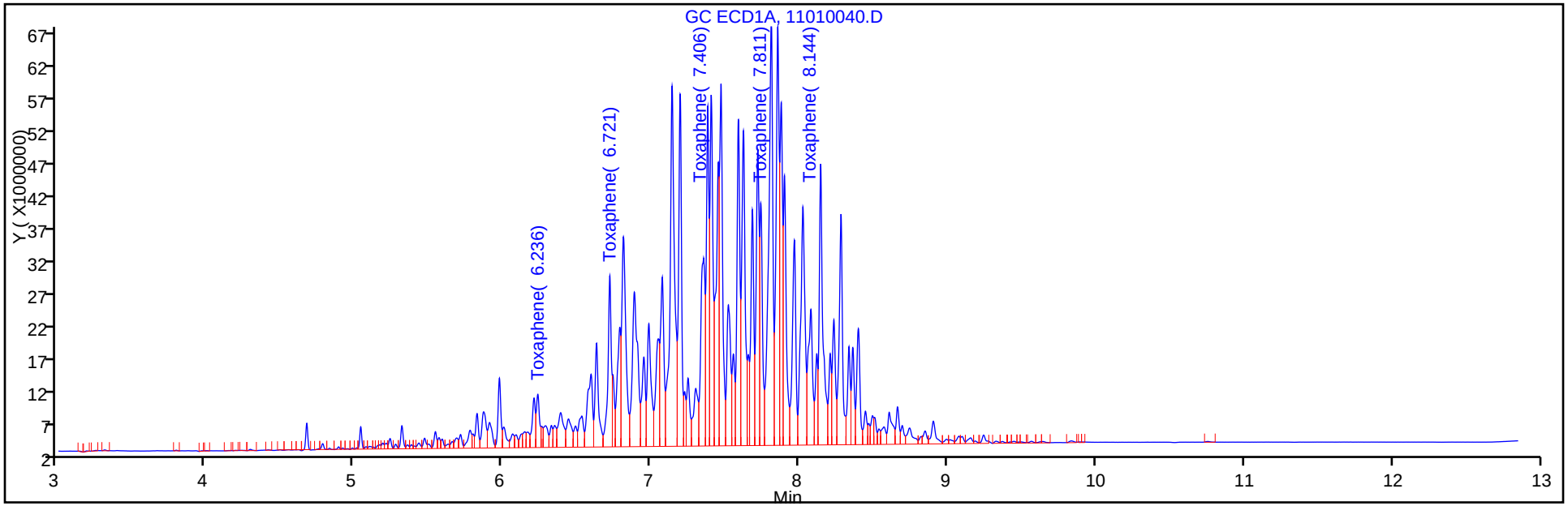
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TestAmerica Denver

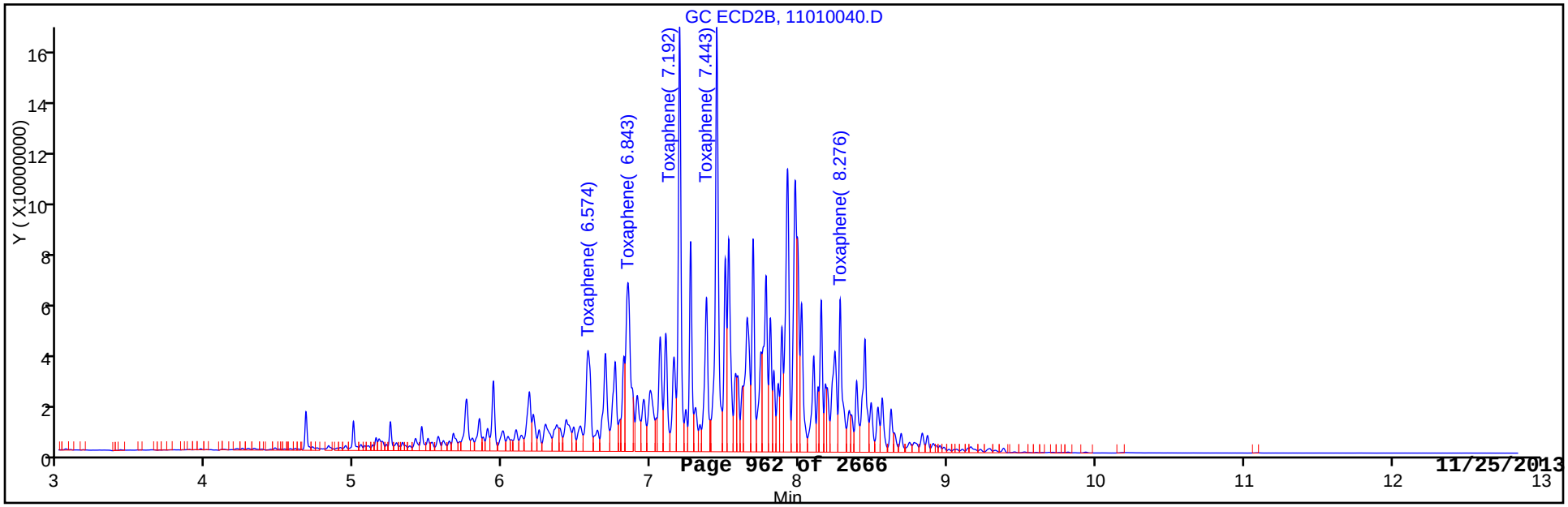
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Injection Date:	01-Nov-2013 21:27:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	40
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



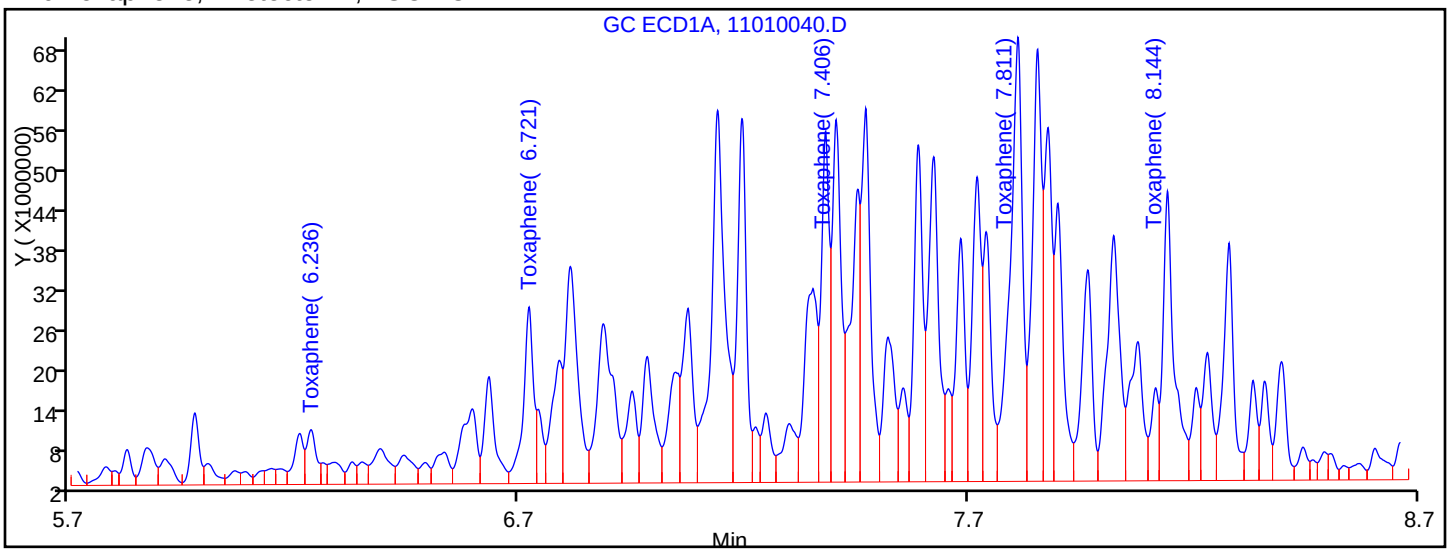
Report Date: 04-Nov-2013 06:46:36 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010040.D

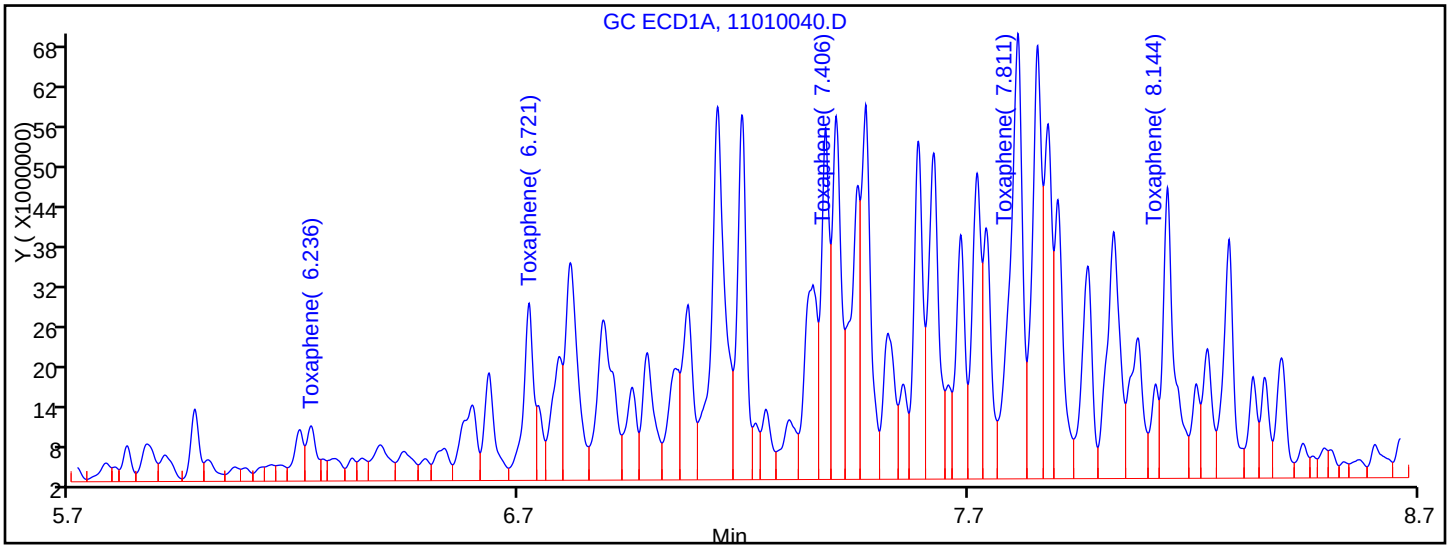
Injection Date:	01-Nov-2013 21:27:18	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	40
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.236	Response = 12153248	M
RT = 6.721	Response = 41098461	M
RT = 7.406	Response = 73399306	M
RT = 7.811	Response = 126520119	M
RT = 8.144	Response = 73743470	M



Manual Integration Results

RT = 6.236	Response = 12292128	M
RT = 6.721	Response = 41471528	M
RT = 7.406	Response = 73703496	M
RT = 7.811	Response = 127264795	M
RT = 8.144	Response = 74602040	M

Reviewer: wellsd, 04-Nov-2013 06:29:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		2037895		53.4	50.0	6.9	20.0
gamma-BHC (Lindane)	Lin2		1815950		52.9	50.0	5.8	20.0
beta-BHC	Lin2		745080		52.8	50.0	5.7	20.0
delta-BHC	Lin2		1851197		53.1	50.0	6.2	20.0
Heptachlor	Lin2		1531034		51.7	50.0	3.5	20.0
Aldrin	Lin2		1768866		54.6	50.0	9.1	20.0
Heptachlor epoxide	Lin2		1557723		55.4	50.0	10.8	20.0
gamma-Chlordane	Lin2		1637660		55.4	50.0	10.7	20.0
alpha-Chlordane	Lin2		1569844		54.4	50.0	8.8	20.0
4,4'-DDE	Lin2		1630206		53.4	50.0	6.7	20.0
Endosulfan I	Lin2		1500299		55.1	50.0	10.3	20.0
Dieldrin	Lin2		1626934		54.4	50.0	8.7	20.0
Endrin	Lin2		1454336		55.0	50.0	10.1	20.0
4,4'-DDD	Lin2		1310887		56.6	50.0	13.2	20.0
Endosulfan II	Lin2		1339383		54.1	50.0	8.2	20.0
4,4'-DDT	Lin2		1162915		51.1	50.0	2.3	20.0
Endrin aldehyde	Lin2		1079441		51.0	50.0	1.9	20.0
Methoxychlor	Lin2		572461		51.6	50.0	3.2	20.0
Endosulfan sulfate	Lin2		1203354		52.5	50.0	5.1	20.0
Endrin ketone	Lin2		1424849		53.2	50.0	6.4	20.0
Tetrachloro-m-xylene	Lin2		1351656		52.1	50.0	4.2	20.0
DCB Decachlorobiphenyl	Lin2		1219002		50.7	50.0	1.3	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.85	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010051.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 00:27:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 198855 Lims Sample ID: 51
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:45 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.845	3.843	0.002	67582803	52.1			
2	2	3.802	3.799	0.003	200139225	58.0			
						RPD = 10.64			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85733076	52.4			
2	2	4.282	4.280	0.002	209502066	58.9			
						RPD = 11.62			
10 alpha-BHC									
1	-65	4.421	4.420	0.001	101894766	53.4			
2	2	4.427	4.426	0.001	271363307	57.5			
						RPD = 7.33			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	90797492	52.9			
2	2	4.741	4.741	0.000	223697121	55.5			
						RPD = 4.79			
12 beta-BHC									
1	100	4.790	4.790	0.000	37253978	52.8			
2	2	4.816	4.816	0.000	93058391	56.4			
						RPD = 6.59			
13 delta-BHC									
1	100	4.939	4.939	0.000	92559858	53.1			
2	2	5.050	5.050	0.000	210755181	56.0			
						RPD = 5.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	76551692	51.7			
2	2	5.091	5.091	0.000	173621848	52.7			
						RPD = 1.78			
16 Aldrin									
1	-65	5.377	5.377	0.000	88443305	54.6			
2	2	5.361	5.361	0.000	183754829	57.2			
						RPD = 4.74			
18 Isodrin									
1	100	5.690	5.689	0.001	73905617	54.6			
2	2	5.726	5.726	0.000	148337596	56.8			
						RPD = 3.85			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	77886163	55.4			
2	2	5.906	5.906	0.000	153059404	56.7			
						RPD = 2.28			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	81883017	55.4			
2	2	6.103	6.103	0.000	157421637	56.3			
						RPD = 1.68			
24 alpha-Chlordane									
1	-65	6.237	6.236	0.001	78492181	54.4			
2	2	6.258	6.257	0.001	146621419	55.7			
						RPD = 2.42			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81510298	53.4			
2	2	6.437	6.436	0.001	147490095	55.7			
						RPD = 4.25			
26 Endosulfan I									
1	100	6.380	6.380	0.000	75014949	55.1			
2	2	6.316	6.315	0.001	136240497	55.9			
						RPD = 1.43			
28 Dieldrin									
1	100	6.625	6.625	0.000	81346710	54.4			
2	2	6.596	6.596	0.000	146276833	55.6			
						RPD = 2.16			
30 Endrin									
1	-65	6.860	6.860	0.000	72716785	55.0			
2	2	6.902	6.902	0.000	126807297	56.1			
						RPD = 1.88			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65544358	56.6			
2	2	7.017	7.018	-0.001	113043162	55.2			
						RPD = 2.55			
34 Endosulfan II									
1	100	7.081	7.080	0.001	66969161	54.1			
2	2	7.112	7.111	0.001	113562414	54.6			
						RPD = 0.97			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	58145756	51.1			
2	2	7.321	7.321	0.000	92970566	48.9			
						RPD = 4.43			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	53972027	51.0			
2	2	7.439	7.439	0.000	87093684	51.7			
						RPD = 1.47			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28623073	51.6			
2	2	7.967	7.969	-0.002	41612912	48.8			
						RPD = 5.52			
38 Mirex									
1	100	7.808	7.808	0.000	47418517	51.5			
2	2	8.148	8.149	-0.001	65967307	49.7			
						RPD = 3.53			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	60167676	52.5			
2	2	7.697	7.697	0.000	93168172	52.2			
						RPD = 0.66			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	71242442	53.2			
2	2	8.188	8.189	-0.001	100880886	50.9			
						RPD = 4.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	60950086	50.7			
2	2	9.332	9.333	-0.001	67437597	50.2			
						RPD = 0.82			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

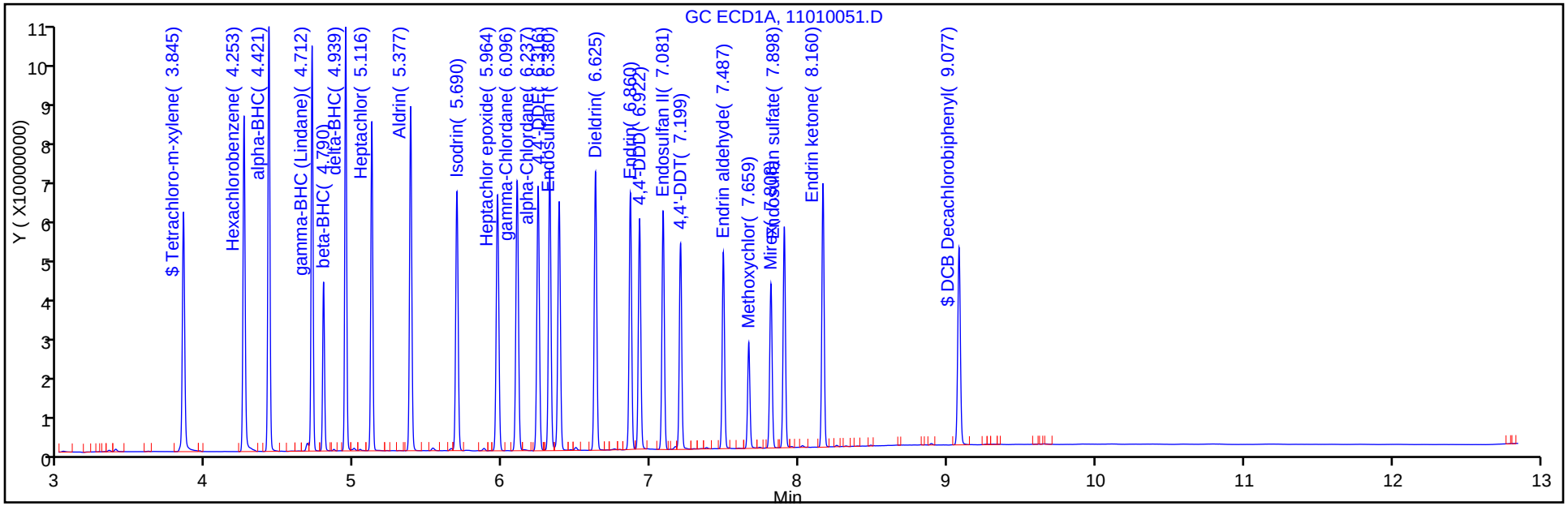
Report Date: 04-Nov-2013 06:46:45 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

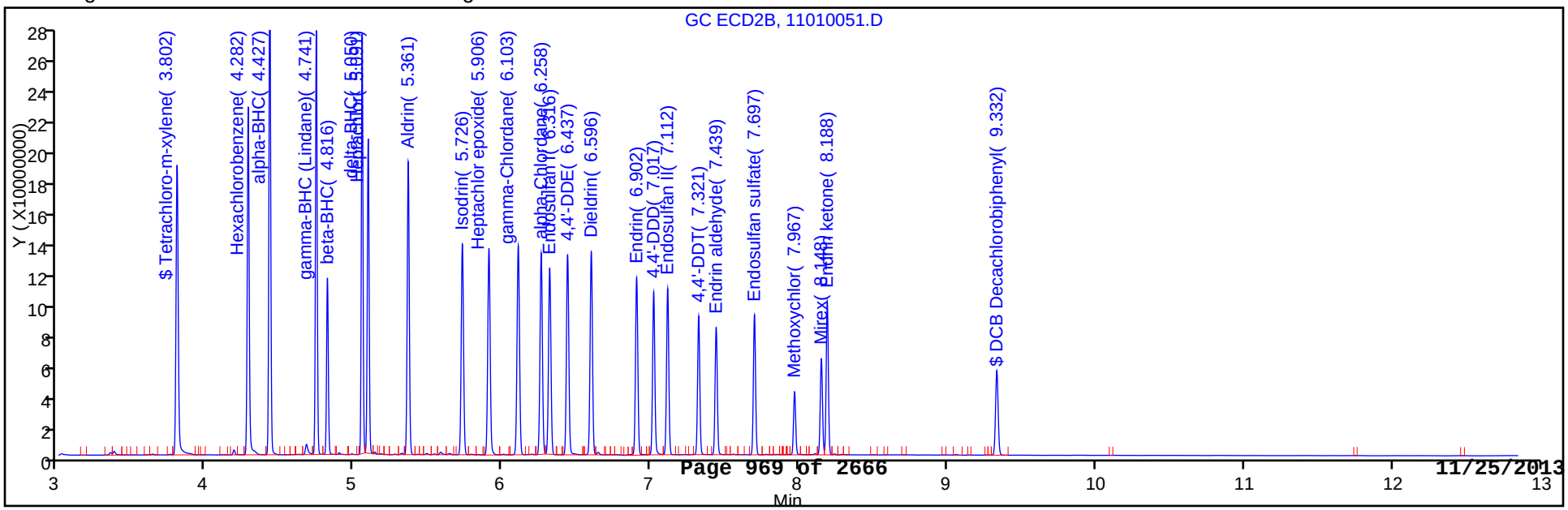
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010051.D

Injection Date:	02-Nov-2013 00:27:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	51
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5427266		57.5	50.0	15.0	20.0
gamma-BHC (Lindane)	Lin2		4473942		55.5	50.0	11.0	20.0
beta-BHC	Lin2		1861168		56.4	50.0	12.9	20.0
delta-BHC	Lin2		4215104		56.0	50.0	11.9	20.0
Heptachlor	Lin2		3472437		52.7	50.0	5.3	20.0
Aldrin	Lin2		3675097		57.2	50.0	14.4	20.0
Heptachlor epoxide	Lin2		3061188		56.7	50.0	13.4	20.0
gamma-Chlordane	Lin2		3148433		56.3	50.0	12.6	20.0
alpha-Chlordane	Lin2		2932428		55.7	50.0	11.4	20.0
Endosulfan I	Lin2		2724810		55.9	50.0	11.8	20.0
4,4'-DDE	Lin2		2949802		55.7	50.0	11.4	20.0
Dieldrin	Lin2		2925537		55.6	50.0	11.1	20.0
Endrin	Lin2		2536146		56.1	50.0	12.1	20.0
4,4'-DDD	Lin2		2260863		55.2	50.0	10.4	20.0
Endosulfan II	Lin2		2271248		54.6	50.0	9.2	20.0
4,4'-DDT	Lin2		1859411		48.9	50.0	-2.2	20.0
Endrin aldehyde	Lin2		1741874		51.7	50.0	3.4	20.0
Endosulfan sulfate	Lin2		1863363		52.2	50.0	4.4	20.0
Methoxychlor	Lin2		832258		48.8	50.0	-2.3	20.0
Endrin ketone	Lin2		2017618		50.9	50.0	1.8	20.0
Tetrachloro-m-xylene	Lin2		4002785		58.0	50.0	16.0	20.0
DCB Decachlorobiphenyl	Lin2		1348752		50.2	50.0	0.5	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/51 Calibration Date: 11/02/2013 00:27

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010051.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010051.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 00:27:46 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 45
Lims Batch ID: 198855 Lims Sample ID: 51
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:45 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.845	3.843	0.002	67582803	52.1			
2	2	3.802	3.799	0.003	200139225	58.0			
						RPD = 10.64			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85733076	52.4			
2	2	4.282	4.280	0.002	209502066	58.9			
						RPD = 11.62			
10 alpha-BHC									
1	-65	4.421	4.420	0.001	101894766	53.4			
2	2	4.427	4.426	0.001	271363307	57.5			
						RPD = 7.33			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	90797492	52.9			
2	2	4.741	4.741	0.000	223697121	55.5			
						RPD = 4.79			
12 beta-BHC									
1	100	4.790	4.790	0.000	37253978	52.8			
2	2	4.816	4.816	0.000	93058391	56.4			
						RPD = 6.59			
13 delta-BHC									
1	100	4.939	4.939	0.000	92559858	53.1			
2	2	5.050	5.050	0.000	210755181	56.0			
						RPD = 5.26			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.116	5.115	0.001	76551692	51.7			
2	2	5.091	5.091	0.000	173621848	52.7			
						RPD = 1.78			
16 Aldrin									
1	-65	5.377	5.377	0.000	88443305	54.6			
2	2	5.361	5.361	0.000	183754829	57.2			
						RPD = 4.74			
18 Isodrin									
1	100	5.690	5.689	0.001	73905617	54.6			
2	2	5.726	5.726	0.000	148337596	56.8			
						RPD = 3.85			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	77886163	55.4			
2	2	5.906	5.906	0.000	153059404	56.7			
						RPD = 2.28			
23 gamma-Chlordane									
1	-65	6.096	6.096	0.000	81883017	55.4			
2	2	6.103	6.103	0.000	157421637	56.3			
						RPD = 1.68			
24 alpha-Chlordane									
1	-65	6.237	6.236	0.001	78492181	54.4			
2	2	6.258	6.257	0.001	146621419	55.7			
						RPD = 2.42			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	81510298	53.4			
2	2	6.437	6.436	0.001	147490095	55.7			
						RPD = 4.25			
26 Endosulfan I									
1	100	6.380	6.380	0.000	75014949	55.1			
2	2	6.316	6.315	0.001	136240497	55.9			
						RPD = 1.43			
28 Dieldrin									
1	100	6.625	6.625	0.000	81346710	54.4			
2	2	6.596	6.596	0.000	146276833	55.6			
						RPD = 2.16			
30 Endrin									
1	-65	6.860	6.860	0.000	72716785	55.0			
2	2	6.902	6.902	0.000	126807297	56.1			
						RPD = 1.88			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	65544358	56.6			
2	2	7.017	7.018	-0.001	113043162	55.2			
						RPD = 2.55			
34 Endosulfan II									
1	100	7.081	7.080	0.001	66969161	54.1			
2	2	7.112	7.111	0.001	113562414	54.6			
						RPD = 0.97			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	58145756	51.1			
2	2	7.321	7.321	0.000	92970566	48.9			
						RPD = 4.43			
36 Endrin aldehyde									
1	-65	7.487	7.487	0.000	53972027	51.0			
2	2	7.439	7.439	0.000	87093684	51.7			
						RPD = 1.47			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28623073	51.6			
2	2	7.967	7.969	-0.002	41612912	48.8			
						RPD = 5.52			
38 Mirex									
1	100	7.808	7.808	0.000	47418517	51.5			
2	2	8.148	8.149	-0.001	65967307	49.7			
						RPD = 3.53			
39 Endosulfan sulfate									
1	-65	7.898	7.898	0.000	60167676	52.5			
2	2	7.697	7.697	0.000	93168172	52.2			
						RPD = 0.66			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	71242442	53.2			
2	2	8.188	8.189	-0.001	100880886	50.9			
						RPD = 4.46			
$ 41 DCB Decachlorobiphenyl									
1	1	9.077	9.078	-0.001	60950086	50.7			
2	2	9.332	9.333	-0.001	67437597	50.2			
						RPD = 0.82			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

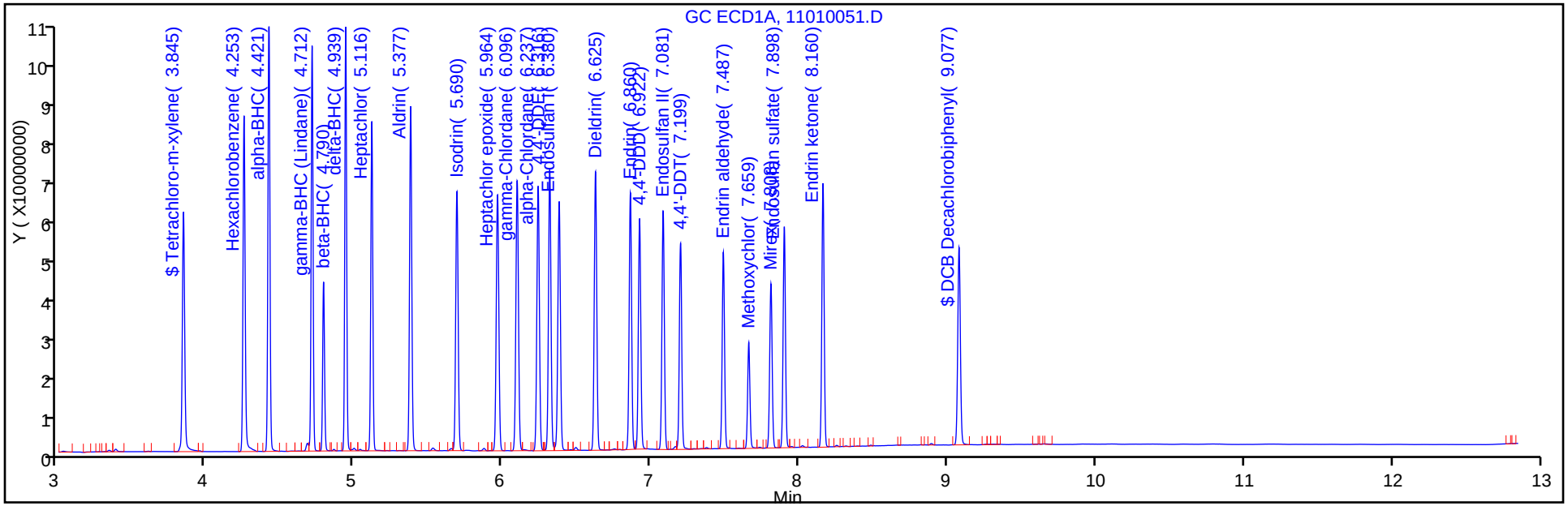
Report Date: 04-Nov-2013 06:46:45 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

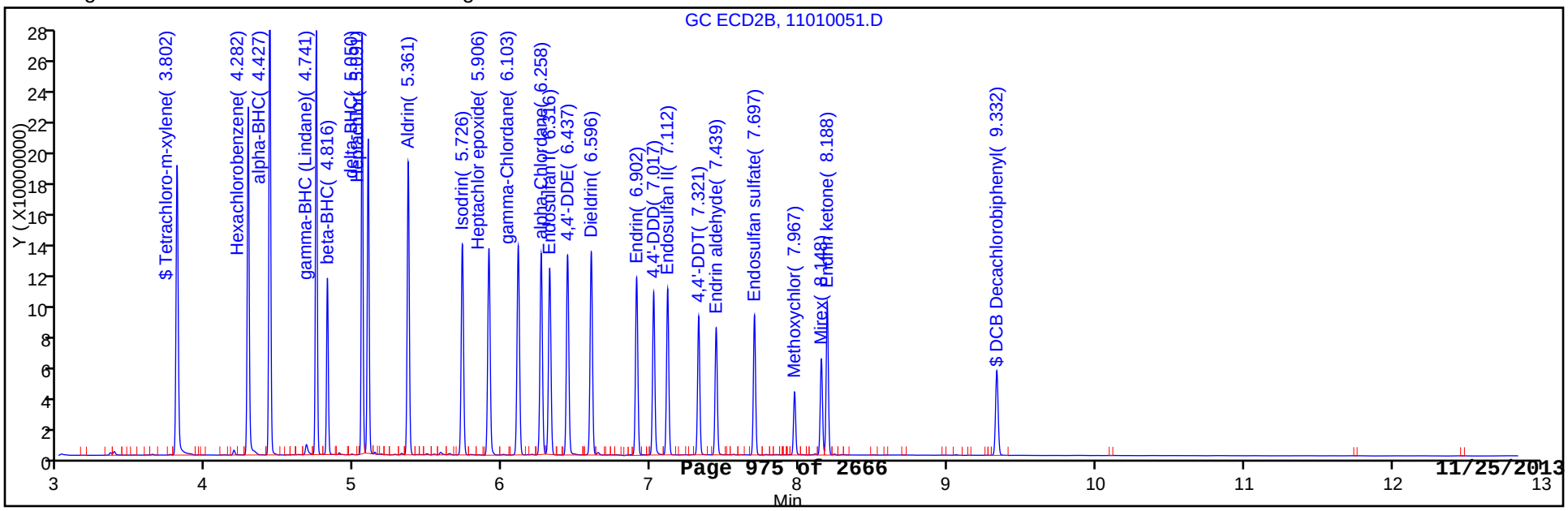
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Injection Date:	02-Nov-2013 00:27:46	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	51
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/53 Calibration Date: 11/02/2013 01:00

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010053.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		7325		3450	2000	72.6*	20.0
Toxaphene Peak 2	Lin2		28141		2510	2000	25.4*	20.0
Toxaphene Peak 3	Lin2		38013		2250	2000	12.3	20.0
Toxaphene Peak 4	Lin2		62979		1950	2000	-2.4	20.0
Toxaphene Peak 5	Lin2		35213		1860	2000	-6.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/53 Calibration Date: 11/02/2013 01:00

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010053.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.23	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010053.D		
Lims ID:	CCV TOX	Client ID:	
Inject. Date:	02-Nov-2013 01:00:40	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV TOX		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	47
Lims Batch ID:	198855	Lims Sample ID:	53
Sublist:	chrom-8081 P2*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:46	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:32:07

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.234	6.235	-0.001	14649725	3451.3		100.0	M
1	-65	6.721	6.721	0.000	56282322	2507.7	513.2- 553.2	384.2	M
1	-65	7.406	7.406	0.000	76025880	2245.3	792.2- 832.2	519.0	M
1	-65	7.810	7.811	-0.001	125958887	1951.6	1468.1-1508.1	859.8	M
1	-65	8.144	8.143	0.001	70426684	1864.5	878.0- 918.0	480.7	M
			Average of Peak Amounts =			2404.1			
2	6	6.575	6.574	0.001	92477058	2977.8		100.0	M
2	7	6.843	6.841	0.002	122460431	1896.1	165.8- 225.8	132.4	M
2	8	7.193	7.191	0.002	205267641	2299.0	243.1- 303.1	222.0	M
2	9	7.444	7.442	0.002	246324917	2253.3	301.5- 361.5	266.4	M
2	10	8.277	8.274	0.003	82768478	1891.7	105.5- 165.5	89.5	M
			Average of Peak Amounts =			2263.6			
						RPD = 6.02			

QC Flag Legend

Review Flags
M - Manually Integrated

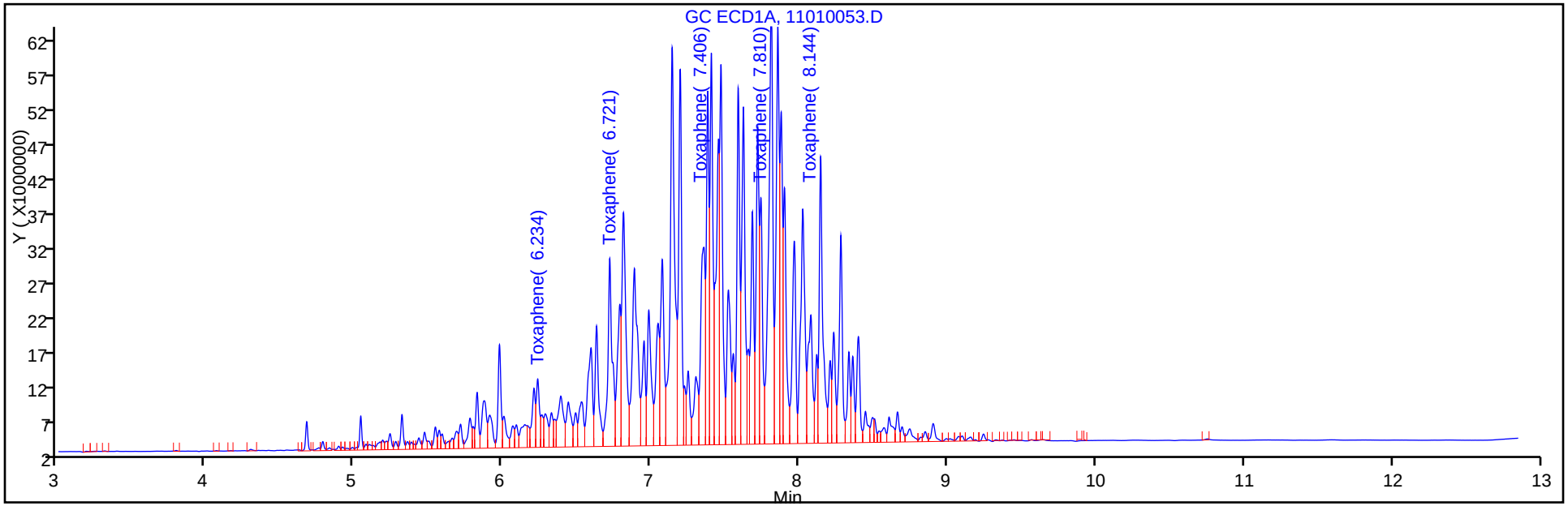
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TestAmerica Denver

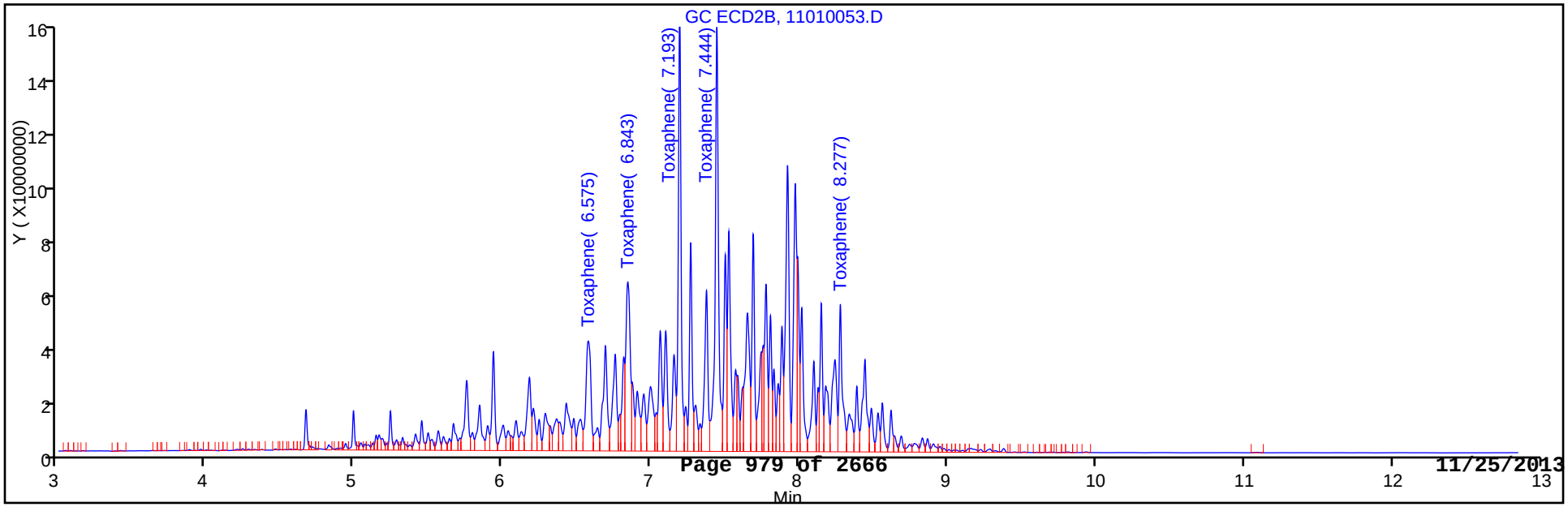
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Injection Date:	02-Nov-2013 01:00:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	53
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



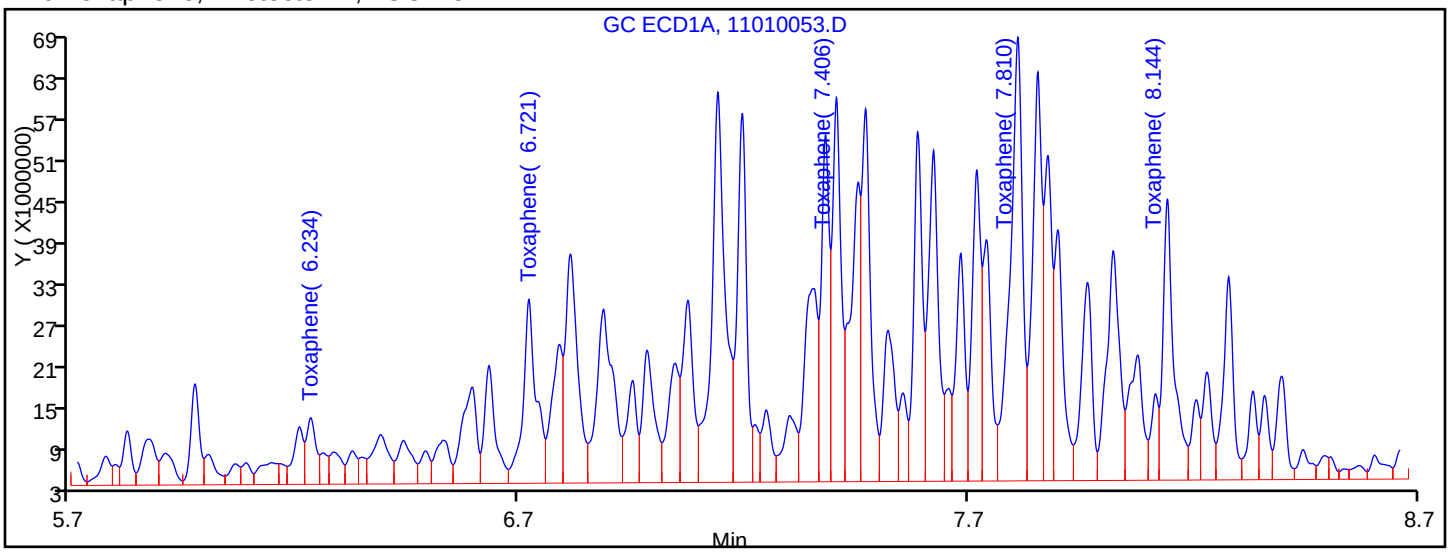
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TestAmerica Denver

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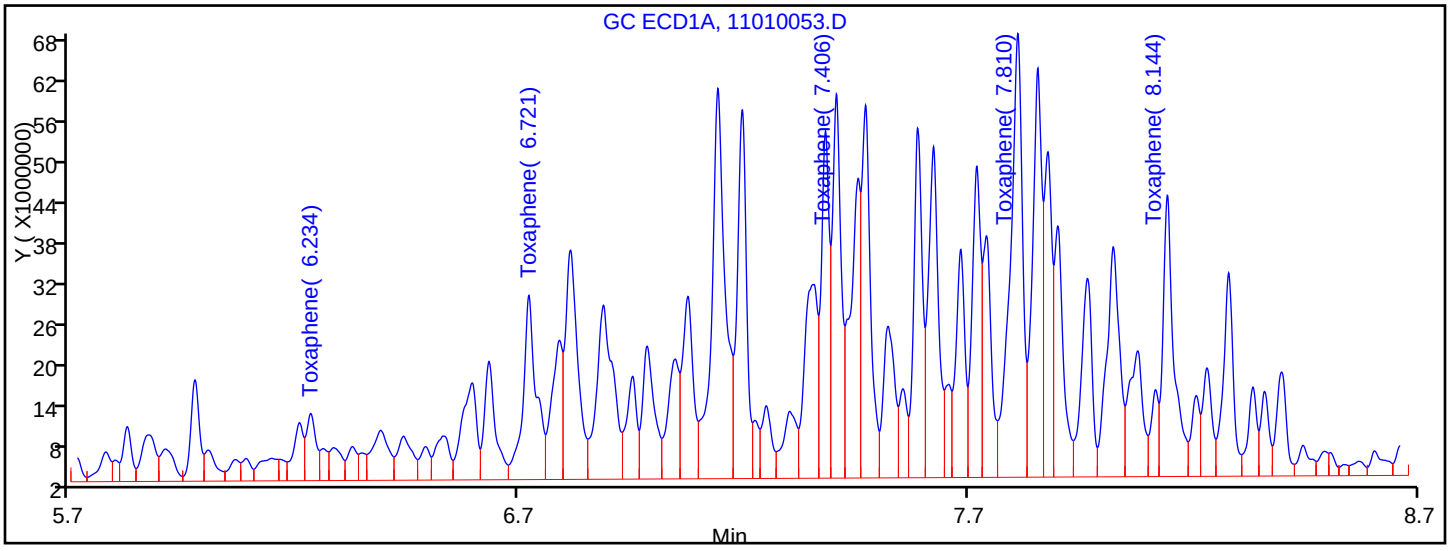
Injection Date:	02-Nov-2013 01:00:40	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	53
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.234	Response = 14437907	M
RT = 6.721	Response = 55793388	M
RT = 7.406	Response = 75820782	M
RT = 7.810	Response = 125543258	M
RT = 8.144	Response = 70013838	M



Manual Integration Results

RT = 6.234	Response = 14649725	M
RT = 6.721	Response = 56282322	M
RT = 7.406	Response = 76025880	M
RT = 7.810	Response = 125958887	M
RT = 8.144	Response = 70426684	M

Reviewer: wellsd, 04-Nov-2013 06:32:07

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/63 Calibration Date: 11/02/2013 03:44

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010063.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Toxaphene Peak 1	Lin2		10084		4760	2000	138.1*	20.0
Toxaphene Peak 2	Lin2		23711		2110	2000	5.6	20.0
Toxaphene Peak 3	Lin2		38561		2280	2000	13.9	20.0
Toxaphene Peak 4	Lin2		55097		1710	2000	-14.6	20.0
Toxaphene Peak 5	Lin2		29582		1570	2000	-21.5*	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/63 Calibration Date: 11/02/2013 03:44

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 19:30

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 20:52

Lab File ID: 11010063.D

Analyte	RT	RT WINDOW	
		FROM	TO
Toxaphene Peak 1	6.23	6.22	6.26
Toxaphene Peak 2	6.72	6.70	6.74
Toxaphene Peak 3	7.41	7.39	7.43
Toxaphene Peak 4	7.81	7.79	7.83
Toxaphene Peak 5	8.14	8.12	8.16

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010063.D
Lims ID: CCV TOX Client ID:
Inject. Date: 02-Nov-2013 03:44:45 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV AB
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 56
Lims Batch ID: 198855 Lims Sample ID: 63
Sublist: chrom-8081 P2*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:54 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:45:14

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
20 Toxaphene									M
1	-65	6.233	6.235	-0.002	20167902	4762.4		100.0	M
1	-65	6.721	6.721	0.000	47422677	2112.4	513.2- 553.2	235.1	M
1	-65	7.406	7.406	0.000	77121947	2277.7	792.2- 832.2	382.4	M
1	-65	7.812	7.811	0.001	110193027	1708.3	1468.1-1508.1	546.4	M
1	-65	8.144	8.143	0.001	59164423	1569.5	878.0- 918.0	293.4	M
			Average of Peak Amounts =			2486.1			
2	6	6.583	6.574	0.009	111344327	3606.6		100.0	M
2	7	6.844	6.841	0.003	117815371	1822.1	165.8- 225.8	105.8	M
2	8	7.193	7.191	0.002	203906922	2283.4	243.1- 303.1	183.1	M
2	9	7.443	7.442	0.001	234811065	2146.0	301.5- 361.5	210.9	M
2	10	8.275	8.274	0.001	69979365	1596.1	105.5- 165.5	62.8	M
			Average of Peak Amounts =			2290.8			
						RPD = 8.17			

QC Flag Legend

Review Flags
M - Manually Integrated

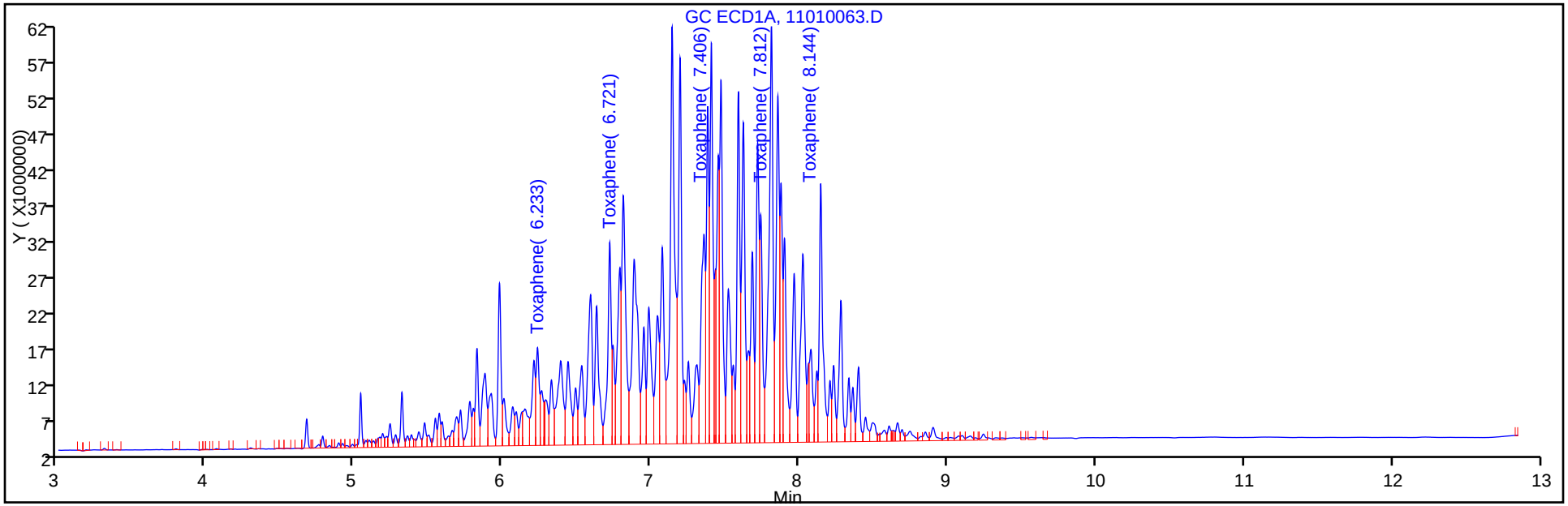
Report Date: 04-Nov-2013 06:46:54 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

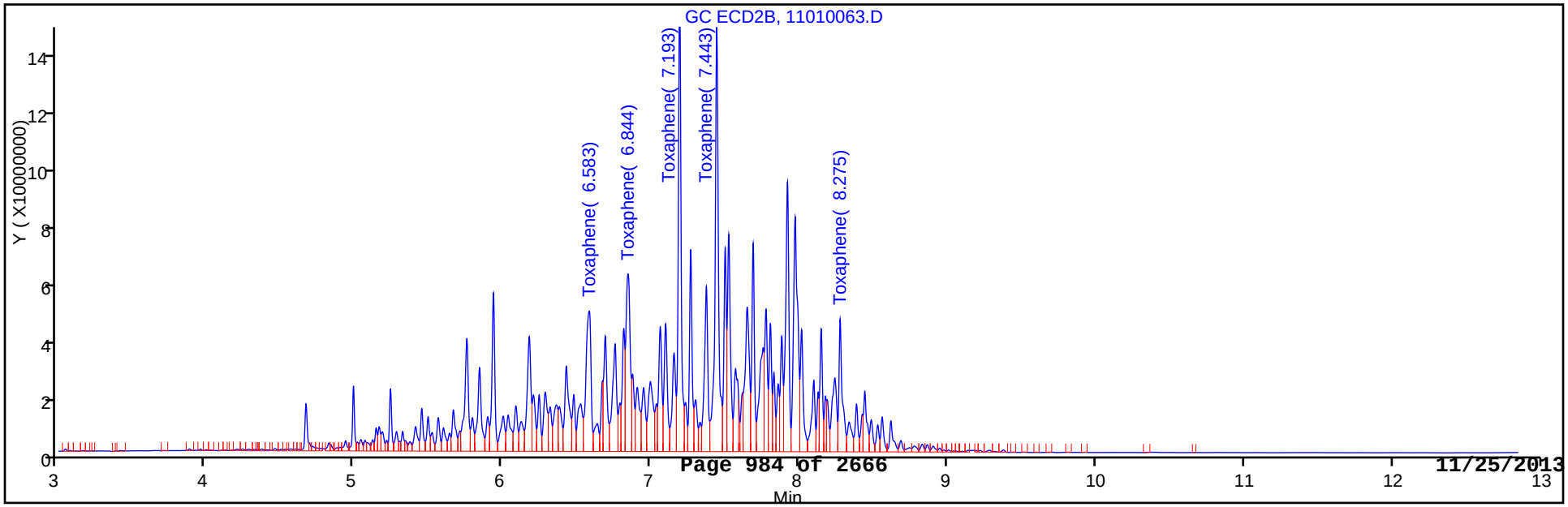
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010063.D

Injection Date:	02-Nov-2013 03:44:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	63
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



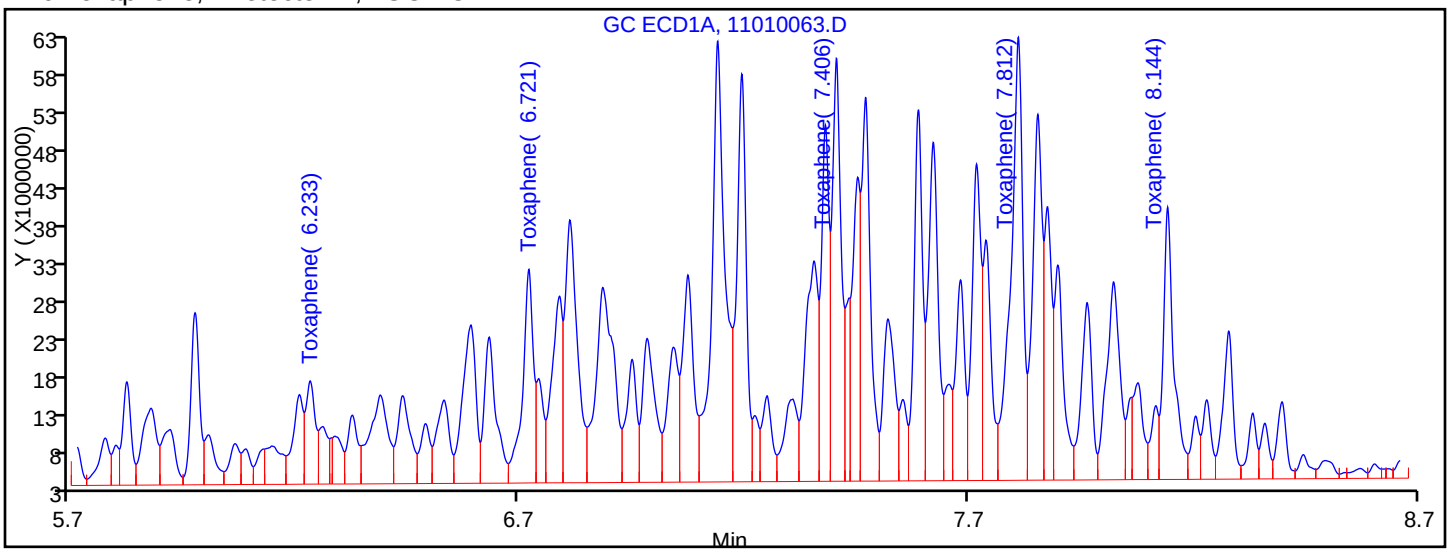
Report Date: 04-Nov-2013 06:46:55 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010063.D

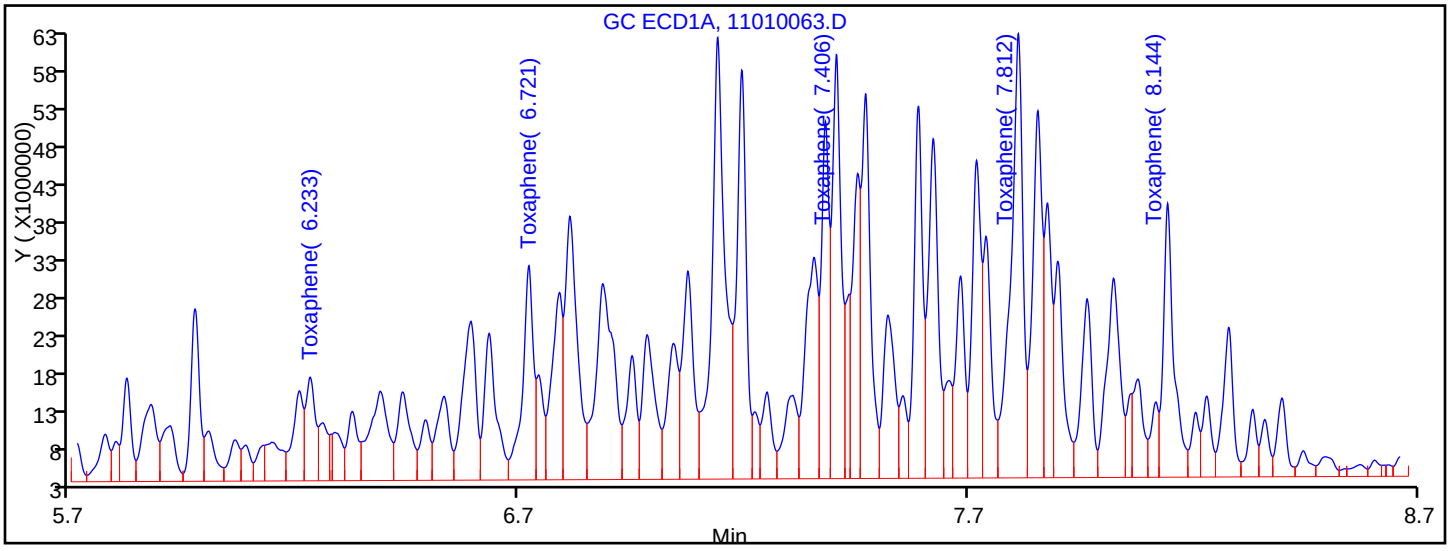
Injection Date:	02-Nov-2013 03:44:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	63
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.233	Response = 20044339	M
RT = 6.721	Response = 47078655	M
RT = 7.406	Response = 76823631	M
RT = 7.812	Response = 109494886	M
RT = 8.144	Response = 58384773	M



Manual Integration Results

RT = 6.233	Response = 20167902	M
RT = 6.721	Response = 47422677	M
RT = 7.406	Response = 77121947	M
RT = 7.812	Response = 110193027	M
RT = 8.144	Response = 59164423	M

Reviewer: wellsd, 04-Nov-2013 06:45:43

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		2018177		52.9	50.0	5.9	20.0
gamma-BHC (Lindane)	Lin2		1771509		51.6	50.0	3.2	20.0
beta-BHC	Lin2		729396		51.7	50.0	3.4	20.0
delta-BHC	Lin2		1815481		52.1	50.0	4.2	20.0
Heptachlor	Lin2		1464964		49.5	50.0	-1.0	20.0
Aldrin	Lin2		1785783		55.1	50.0	10.1	20.0
Heptachlor epoxide	Lin2		1535619		54.6	50.0	9.2	20.0
gamma-Chlordane	Lin2		1618942		54.7	50.0	9.4	20.0
alpha-Chlordane	Lin2		1565754		54.2	50.0	8.5	20.0
4,4'-DDE	Lin2		1614298		52.8	50.0	5.7	20.0
Endosulfan I	Lin2		1493939		54.9	50.0	9.8	20.0
Dieldrin	Lin2		1644066		54.9	50.0	9.9	20.0
Endrin	Lin2		1470526		55.6	50.0	11.3	20.0
4,4'-DDD	Lin2		1376641		59.4	50.0	18.9	20.0
Endosulfan II	Lin2		1367472		55.2	50.0	10.4	20.0
4,4'-DDT	Lin2		1139193		50.1	50.0	0.2	20.0
Endrin aldehyde	Lin2		1086240		51.3	50.0	2.6	20.0
Methoxychlor	Lin2		591666		53.4	50.0	6.7	20.0
Endosulfan sulfate	Lin2		1229716		53.7	50.0	7.4	20.0
Endrin ketone	Lin2		1466464		54.8	50.0	9.5	20.0
Tetrachloro-m-xylene	Lin2		1358062		52.4	50.0	4.7	20.0
DCB Decachlorobiphenyl	Lin2		1270469		52.8	50.0	5.6	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.42	4.41	4.43
gamma-BHC (Lindane)	4.71	4.70	4.72
beta-BHC	4.79	4.78	4.80
delta-BHC	4.94	4.93	4.95
Heptachlor	5.12	5.11	5.13
Aldrin	5.38	5.37	5.39
Heptachlor epoxide	5.96	5.95	5.97
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.24	6.23	6.25
4,4'-DDE	6.32	6.31	6.33
Endosulfan I	6.38	6.37	6.39
Dieldrin	6.63	6.62	6.64
Endrin	6.86	6.85	6.87
4,4'-DDD	6.92	6.91	6.93
Endosulfan II	7.08	7.07	7.09
4,4'-DDT	7.20	7.19	7.21
Endrin aldehyde	7.49	7.48	7.50
Methoxychlor	7.66	7.65	7.67
Endosulfan sulfate	7.90	7.89	7.91
Endrin ketone	8.16	8.15	8.17
Tetrachloro-m-xylene	3.84	3.83	3.85
DCB Decachlorobiphenyl	9.08	9.07	9.09

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010064.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 04:01:09 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 57
Lims Batch ID: 198855 Lims Sample ID: 64
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:55 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	67903121	52.4			
2	2	3.800	3.799	0.001	198144803	57.4			
						RPD = 9.16			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85651684	52.4			
2	2	4.281	4.280	0.001	206566256	58.1			
						RPD = 10.28			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	100908860	52.9			
2	2	4.426	4.426	0.000	264738765	56.1			
						RPD = 5.81			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	88575474	51.6			
2	2	4.741	4.741	0.000	215004081	53.3			
						RPD = 3.26			
12 beta-BHC									
1	100	4.790	4.790	0.000	36469800	51.7			
2	2	4.816	4.816	0.000	89892175	54.5			
						RPD = 5.21			
13 delta-BHC									
1	100	4.940	4.939	0.001	90774064	52.1			
2	2	5.050	5.050	0.000	206910655	54.9			
						RPD = 5.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	73248205	49.5			
2	2	5.091	5.091	0.000	167018100	50.6			
						RPD = 2.26			
16 Aldrin									
1	-65	5.378	5.377	0.001	89289160	55.1			
2	2	5.361	5.361	0.000	183113305	57.0			
						RPD = 3.44			
18 Isodrin									
1	100	5.690	5.689	0.001	74432570	55.0			
2	2	5.726	5.726	0.000	148120290	56.7			
						RPD = 2.99			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76780940	54.6			
2	2	5.906	5.906	0.000	150798850	55.8			
						RPD = 2.21			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	80947096	54.7			
2	2	6.104	6.103	0.001	155283467	55.5			
						RPD = 1.45			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	78287695	54.2			
2	2	6.258	6.257	0.001	146056647	55.5			
						RPD = 2.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	80714877	52.8			
2	2	6.436	6.436	0.000	146900140	55.5			
						RPD = 4.83			
26 Endosulfan I									
1	100	6.380	6.380	0.000	74696966	54.9			
2	2	6.316	6.315	0.001	135818112	55.7			
						RPD = 1.55			
28 Dieldrin									
1	100	6.625	6.625	0.000	82203312	54.9			
2	2	6.596	6.596	0.000	146424360	55.6			
						RPD = 1.21			
30 Endrin									
1	-65	6.860	6.860	0.000	73526297	55.6			
2	2	6.902	6.902	0.000	126098694	55.8			
						RPD = 0.21			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	68832031	59.4			
2	2	7.017	7.018	-0.001	115922785	56.6			
						RPD = 4.91			
34 Endosulfan II									
1	100	7.080	7.080	0.000	68373595	55.2			
2	2	7.111	7.111	0.000	115147319	55.4			
						RPD = 0.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	56959671	50.1			
2	2	7.321	7.321	0.000	89218103	46.9			
						RPD = 6.52			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	54312005	51.3			
2	2	7.438	7.439	-0.001	87804132	52.1			
						RPD = 1.66			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	29583301	53.4			
2	2	7.968	7.969	-0.001	41493601	48.7			
						RPD = 9.15			
38 Mirex									
1	100	7.808	7.808	0.000	49935317	54.2			
2	2	8.148	8.149	-0.001	69308644	52.2			
						RPD = 3.73			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61485775	53.7			
2	2	7.697	7.697	0.000	95492286	53.5			
						RPD = 0.34			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	73323186	54.8			
2	2	8.189	8.189	0.000	102953276	51.9			
						RPD = 5.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	63523436	52.8			
2	2	9.332	9.333	-0.001	70299475	52.4			
						RPD = 0.79			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

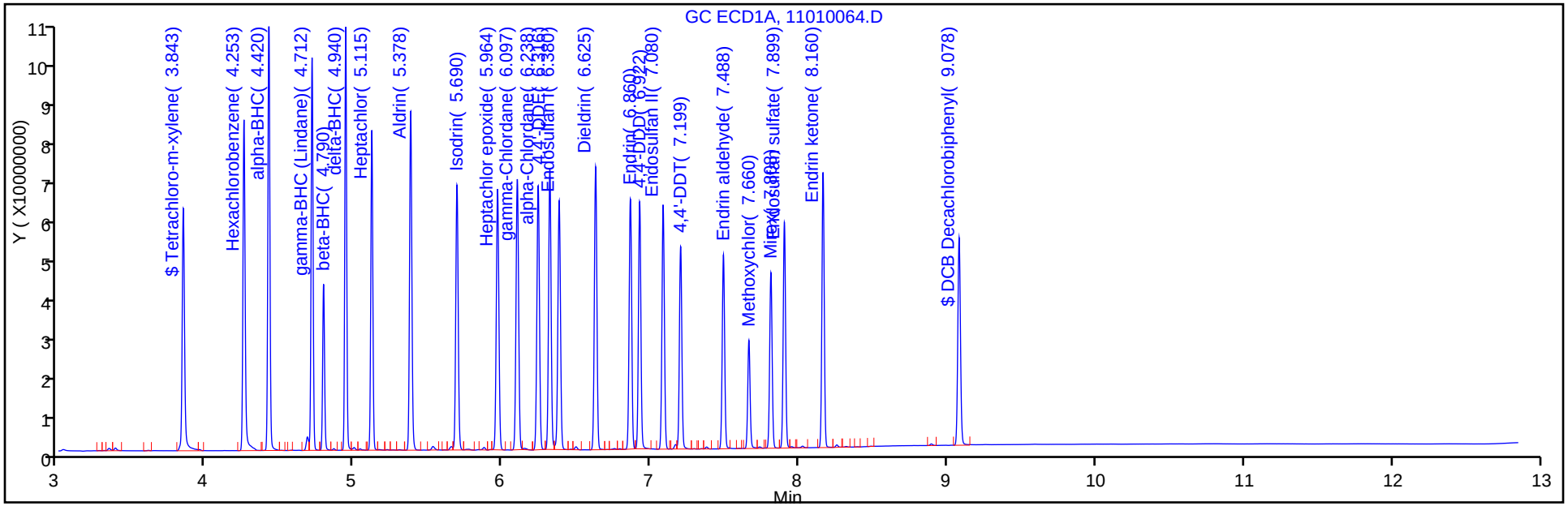
Report Date: 04-Nov-2013 06:46:56 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

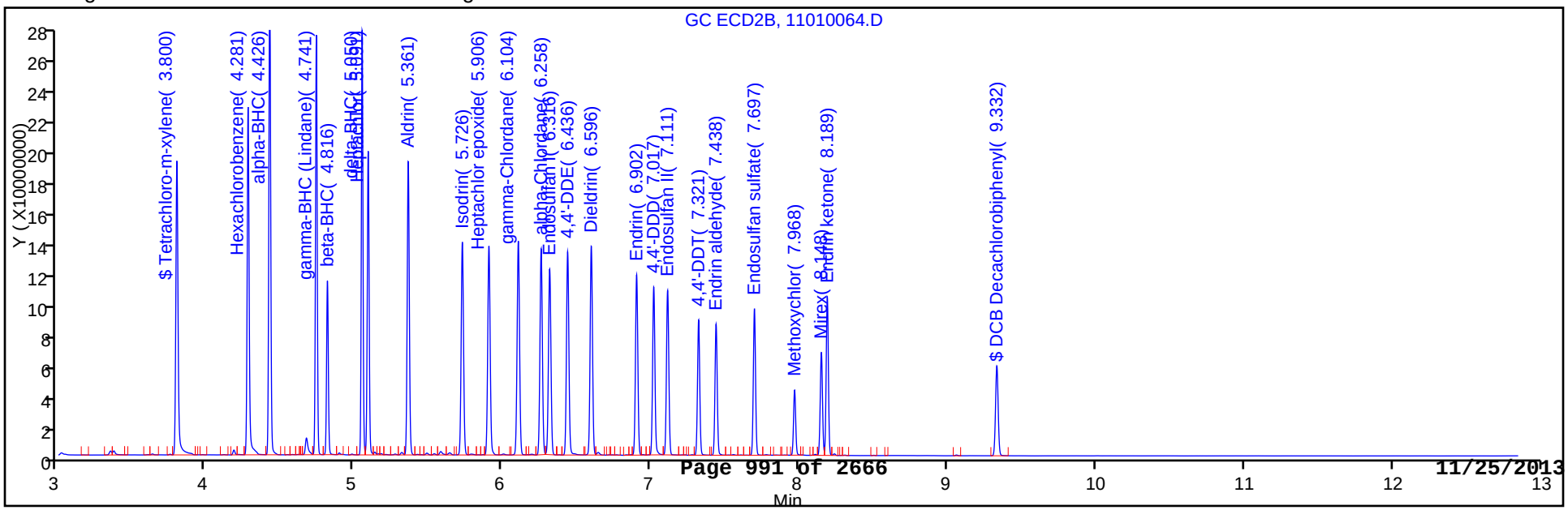
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010064.D

Injection Date:	02-Nov-2013 04:01:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	64
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
GC SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
alpha-BHC	Lin2		5294775		56.1	50.0	12.2	20.0
gamma-BHC (Lindane)	Lin2		4300082		53.3	50.0	6.7	20.0
beta-BHC	Lin2		1797844		54.5	50.0	9.0	20.0
delta-BHC	Lin2		4138213		54.9	50.0	9.9	20.0
Heptachlor	Lin2		3340362		50.6	50.0	1.2	20.0
Aldrin	Lin2		3662266		57.0	50.0	14.0	20.0
Heptachlor epoxide	Lin2		3015977		55.8	50.0	11.7	20.0
gamma-Chlordane	Lin2		3105669		55.5	50.0	11.0	20.0
alpha-Chlordane	Lin2		2921133		55.5	50.0	11.0	20.0
Endosulfan I	Lin2		2716362		55.7	50.0	11.5	20.0
4,4'-DDE	Lin2		2938003		55.5	50.0	10.9	20.0
Dieldrin	Lin2		2928487		55.6	50.0	11.2	20.0
Endrin	Lin2		2521974		55.8	50.0	11.5	20.0
4,4'-DDD	Lin2		2318456		56.6	50.0	13.2	20.0
Endosulfan II	Lin2		2302946		55.4	50.0	10.8	20.0
4,4'-DDT	Lin2		1784362		46.9	50.0	-6.1	20.0
Endrin aldehyde	Lin2		1756083		52.1	50.0	4.3	20.0
Endosulfan sulfate	Lin2		1909846		53.5	50.0	7.0	20.0
Methoxychlor	Lin2		829872		48.7	50.0	-2.6	20.0
Endrin ketone	Lin2		2059066		51.9	50.0	3.9	20.0
Tetrachloro-m-xylene	Lin2		3962896		57.4	50.0	14.8	20.0
DCB Decachlorobiphenyl	Lin2		1405990		52.4	50.0	4.8	20.0

FORM VII
GC SEMI VOA CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198855/64 Calibration Date: 11/02/2013 04:01

Instrument ID: SGC_P2 Calib Start Date: 10/15/2013 15:24

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/15/2013 16:46

Lab File ID: 11010064.D

Analyte	RT	RT WINDOW	
		FROM	TO
alpha-BHC	4.43	4.42	4.44
gamma-BHC (Lindane)	4.74	4.73	4.75
beta-BHC	4.82	4.81	4.83
delta-BHC	5.05	5.04	5.06
Heptachlor	5.09	5.08	5.10
Aldrin	5.36	5.35	5.37
Heptachlor epoxide	5.91	5.90	5.92
gamma-Chlordane	6.10	6.09	6.11
alpha-Chlordane	6.26	6.25	6.27
Endosulfan I	6.32	6.31	6.33
4,4'-DDE	6.44	6.43	6.45
Dieldrin	6.60	6.59	6.61
Endrin	6.90	6.89	6.91
4,4'-DDD	7.02	7.01	7.03
Endosulfan II	7.11	7.10	7.12
4,4'-DDT	7.32	7.31	7.33
Endrin aldehyde	7.44	7.43	7.45
Endosulfan sulfate	7.70	7.69	7.71
Methoxychlor	7.97	7.96	7.98
Endrin ketone	8.19	8.18	8.20
Tetrachloro-m-xylene	3.80	3.79	3.81
DCB Decachlorobiphenyl	9.33	9.32	9.34

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010064.D
Lims ID: CCV AB Client ID:
Inject. Date: 02-Nov-2013 04:01:09 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV TOX
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 57
Lims Batch ID: 198855 Lims Sample ID: 64
Sublist: chrom-8081 P2*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:55 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.843	3.843	0.000	67903121	52.4			
2	2	3.800	3.799	0.001	198144803	57.4			
						RPD = 9.16			
8 Hexachlorobenzene									
1	100	4.253	4.253	0.000	85651684	52.4			
2	2	4.281	4.280	0.001	206566256	58.1			
						RPD = 10.28			
10 alpha-BHC									
1	-65	4.420	4.420	0.000	100908860	52.9			
2	2	4.426	4.426	0.000	264738765	56.1			
						RPD = 5.81			
11 gamma-BHC (Lindane)									
1	-65	4.712	4.711	0.001	88575474	51.6			
2	2	4.741	4.741	0.000	215004081	53.3			
						RPD = 3.26			
12 beta-BHC									
1	100	4.790	4.790	0.000	36469800	51.7			
2	2	4.816	4.816	0.000	89892175	54.5			
						RPD = 5.21			
13 delta-BHC									
1	100	4.940	4.939	0.001	90774064	52.1			
2	2	5.050	5.050	0.000	206910655	54.9			
						RPD = 5.34			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
15 Heptachlor									
1	100	5.115	5.115	0.000	73248205	49.5			
2	2	5.091	5.091	0.000	167018100	50.6			
						RPD = 2.26			
16 Aldrin									
1	-65	5.378	5.377	0.001	89289160	55.1			
2	2	5.361	5.361	0.000	183113305	57.0			
						RPD = 3.44			
18 Isodrin									
1	100	5.690	5.689	0.001	74432570	55.0			
2	2	5.726	5.726	0.000	148120290	56.7			
						RPD = 2.99			
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	76780940	54.6			
2	2	5.906	5.906	0.000	150798850	55.8			
						RPD = 2.21			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	80947096	54.7			
2	2	6.104	6.103	0.001	155283467	55.5			
						RPD = 1.45			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	78287695	54.2			
2	2	6.258	6.257	0.001	146056647	55.5			
						RPD = 2.29			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	80714877	52.8			
2	2	6.436	6.436	0.000	146900140	55.5			
						RPD = 4.83			
26 Endosulfan I									
1	100	6.380	6.380	0.000	74696966	54.9			
2	2	6.316	6.315	0.001	135818112	55.7			
						RPD = 1.55			
28 Dieldrin									
1	100	6.625	6.625	0.000	82203312	54.9			
2	2	6.596	6.596	0.000	146424360	55.6			
						RPD = 1.21			
30 Endrin									
1	-65	6.860	6.860	0.000	73526297	55.6			
2	2	6.902	6.902	0.000	126098694	55.8			
						RPD = 0.21			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	68832031	59.4			
2	2	7.017	7.018	-0.001	115922785	56.6			
						RPD = 4.91			
34 Endosulfan II									
1	100	7.080	7.080	0.000	68373595	55.2			
2	2	7.111	7.111	0.000	115147319	55.4			
						RPD = 0.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	56959671	50.1			
2	2	7.321	7.321	0.000	89218103	46.9			
						RPD = 6.52			
36 Endrin aldehyde									
1	-65	7.488	7.487	0.001	54312005	51.3			
2	2	7.438	7.439	-0.001	87804132	52.1			
						RPD = 1.66			
37 Methoxychlor									
1	-65	7.660	7.660	0.000	29583301	53.4			
2	2	7.968	7.969	-0.001	41493601	48.7			
						RPD = 9.15			
38 Mirex									
1	100	7.808	7.808	0.000	49935317	54.2			
2	2	8.148	8.149	-0.001	69308644	52.2			
						RPD = 3.73			
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	61485775	53.7			
2	2	7.697	7.697	0.000	95492286	53.5			
						RPD = 0.34			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	73323186	54.8			
2	2	8.189	8.189	0.000	102953276	51.9			
						RPD = 5.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	63523436	52.8			
2	2	9.332	9.333	-0.001	70299475	52.4			
						RPD = 0.79			

QC Flag Legend

Processing Flags
7 - Failed Limit of Detection

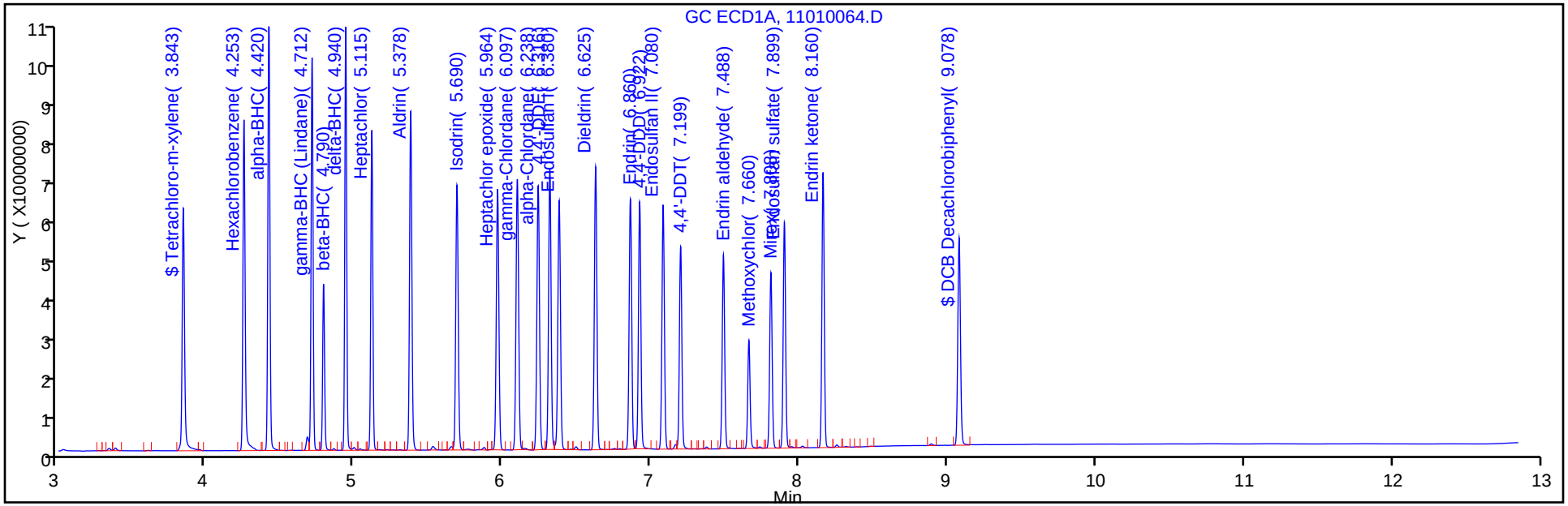
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TestAmerica Denver

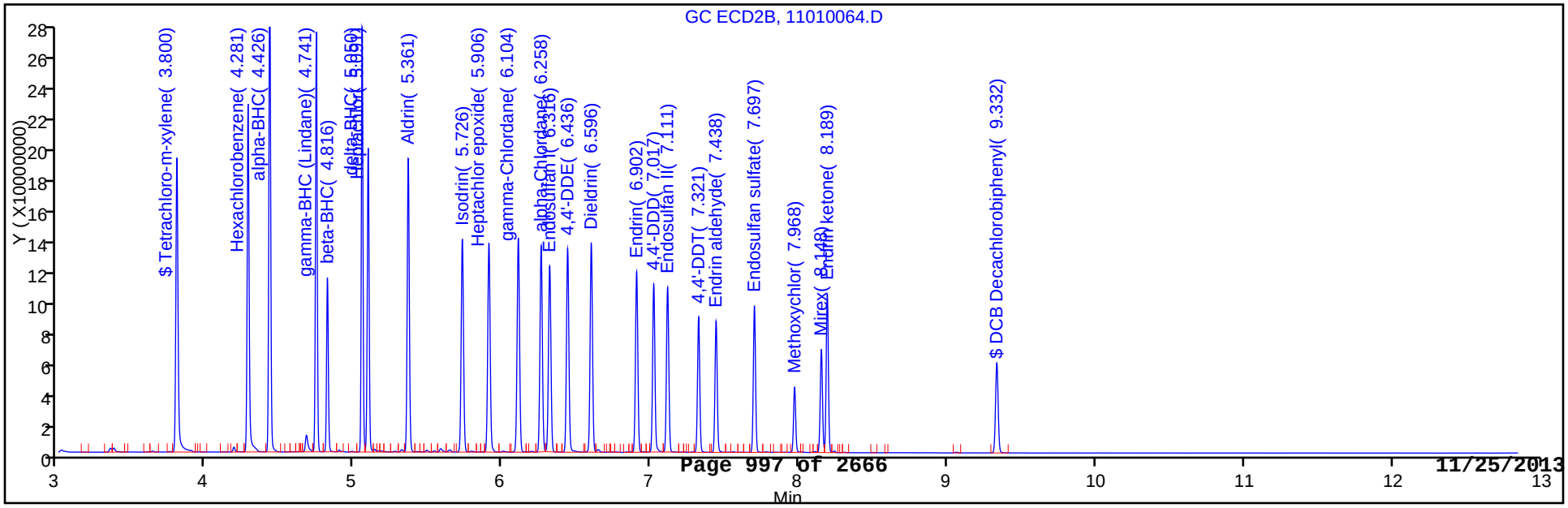
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Injection Date:	02-Nov-2013 04:01:09	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	64
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198319/1-A

Matrix: Solid | Lab File ID: 11010041.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.4(g) | Date Analyzed: 11/01/2013 21:43

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	0.68	U	1.7	0.68	0.54
72-55-9	4,4'-DDE	0.45	U	1.7	0.45	0.23
50-29-3	4,4'-DDT	0.68	U	2.0	0.68	0.58
309-00-2	Aldrin	0.45	U	1.7	0.45	0.25
319-84-6	alpha-BHC	0.45	U	1.7	0.45	0.21
5103-71-9	alpha-Chlordane	0.45	U	1.7	0.45	0.32
319-85-7	beta-BHC	0.68	U	1.7	0.68	0.66
319-86-8	delta-BHC	0.68	U	1.7	0.68	0.40
60-57-1	Dieldrin	0.45	U	1.7	0.45	0.21
959-98-8	Endosulfan I	0.45	U	1.7	0.45	0.17
33213-65-9	Endosulfan II	0.45	U	1.7	0.45	0.28
1031-07-8	Endosulfan sulfate	0.45	U	1.7	0.45	0.27
72-20-8	Endrin	0.45	U	1.7	0.45	0.30
7421-93-4	Endrin aldehyde	0.45	U	1.7	0.45	0.17
53494-70-5	Endrin ketone	0.68	U	1.7	0.68	0.48
58-89-9	gamma-BHC (Lindane)	0.68	U	1.7	0.68	0.46
5103-74-2	gamma-Chlordane	0.68	U	1.7	0.68	0.26
76-44-8	Heptachlor	0.45	U	1.7	0.45	0.21
1024-57-3	Heptachlor epoxide	0.68	U	1.7	0.68	0.42
72-43-5	Methoxychlor	0.68	U	3.3	0.68	0.44
8001-35-2	Toxaphene	27	U	170	27	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	96		55-130
877-09-8	Tetrachloro-m-xylene	88		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D
Lims ID: MB 280-198319/1-A Client ID:
Inject. Date: 01-Nov-2013 21:43:45 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-198319/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 35
Lims Batch ID: 198855 Lims Sample ID: 41
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	22809051	17.5			
2	2	3.803	3.799	0.004	69313353	19.5			
						RPD = 10.86			
8 Hexachlorobenzene									M
1	100	4.255	4.253	0.002	377568	-0.0506			7
2	2	4.280	4.280	0.000	686230	-0.7089			7M
						RPD = -173.36			
LOD = 0.1300									
9 Diallate									
1	100		4.279						
2	2		4.232						
10 alpha-BHC									M
1	-65	4.416	4.420	-0.004	265330	0.4557			
2	2	4.423	4.426	-0.003	252978	-0.3453			M
						RPD = 1450.99			
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									M
1	100	4.783	4.790	-0.007	655998	0.4220			
2	2	4.824	4.816	0.008	276405	-0.8898			M
						RPD = 521.02			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
3 2,4,5-Trichlorophenol									
1	1		4.794						
2	2		4.762						
13 delta-BHC									
1	100		4.939						
2	2		5.050						
14 Technical Chlordane									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
6 Chlordane (technical)									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
15 Heptachlor									
1	100		5.115						
2	2		5.091						
16 Aldrin									1
1	-65		5.377						
2	2		5.361						
17 Chlorpyrifos									1
1	100		5.601						
2	2		5.583						
18 Isodrin									1
1	100		5.689						
2	2		5.726						
19 Dicofol									1
1	100		5.724						
2	2		5.682						
21 2,4'-DDE									1
1	100		5.954						
2	2		6.113						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									1
1	-65		6.096						
2	2		6.103						
20 Toxaphene									1
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									1
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									1
1	-65		6.316						
2	2		6.436						
26 Endosulfan I									1
1	100		6.380						
2	2		6.315						
27 2,4'-DDD									1
1	100		6.494						
2	2		6.642						
28 Dieldrin									1
1	100		6.625						
2	2		6.596						
29 2,4'-DDT									1
1	100		6.753						
2	2		6.946						
30 Endrin									1
1	-65		6.860						
2	2		6.902						
31 Kepone									
1	100		6.905						
2	2		7.021						
32 4,4'-DDD									1
1	100		6.922						
2	2		7.018						
33 Chlorobenzilate									1
1	100		6.937						
2	2		6.892						
34 Endosulfan II									1
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									1
1	-65		7.198						
2	2		7.321						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									1
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						
38 Mirex									
1	100		7.808						
2	2		8.149						
39 Endosulfan sulfate									1
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	23540193	19.1			
2	2	9.333	9.333	0.000	27183722	19.7			
						RPD = 3.17			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.754						
2	2		11.088						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

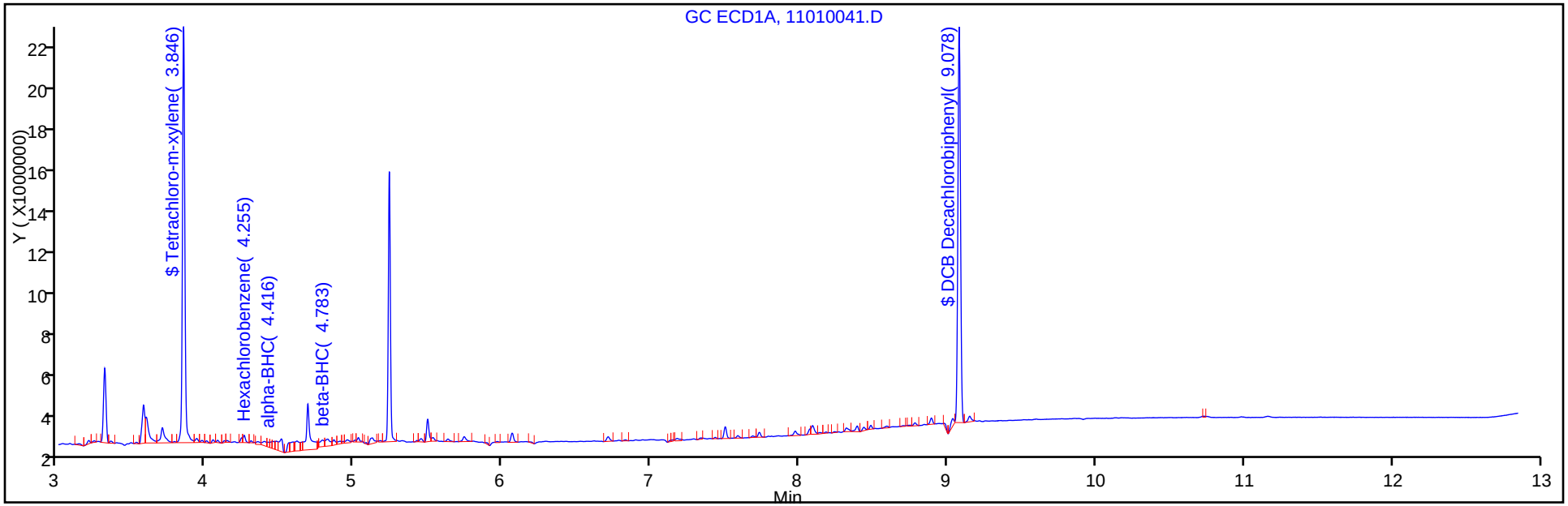
Report Date: 04-Nov-2013 06:46:36 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

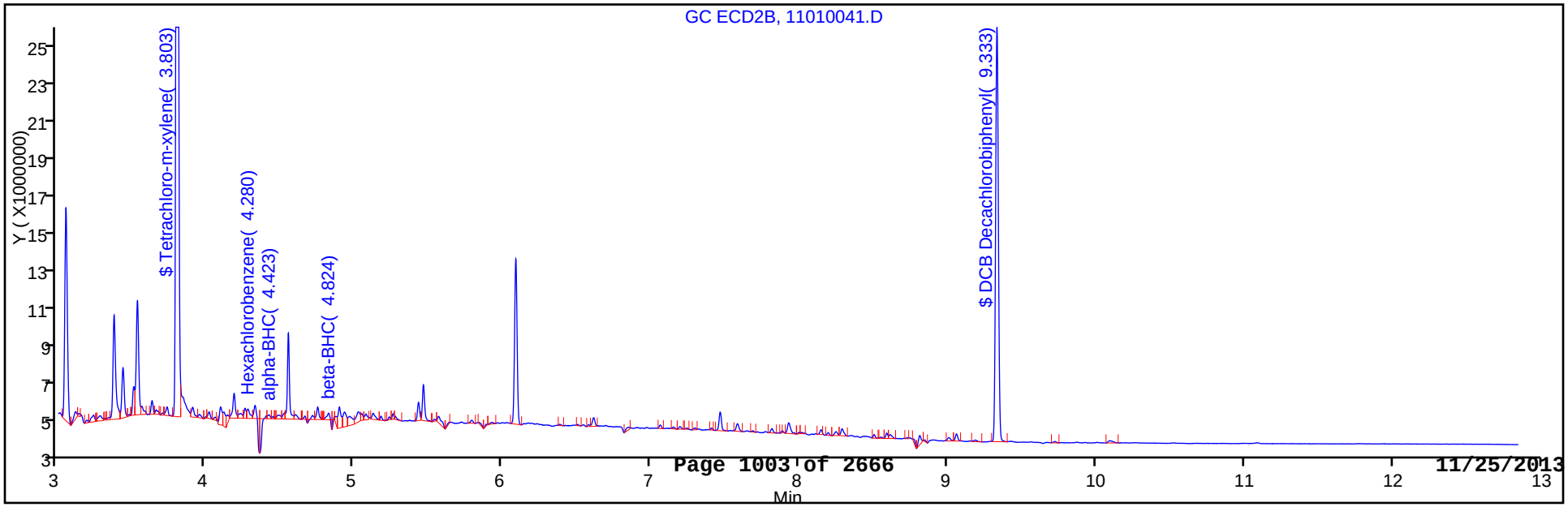
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D

Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198319/1-A

Matrix: Solid | Lab File ID: 11010041.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.4(g) | Date Analyzed: 11/01/2013 21:43

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	99		55-130
877-09-8	Tetrachloro-m-xylene	98		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D
Lims ID: MB 280-198319/1-A Client ID:
Inject. Date: 01-Nov-2013 21:43:45 Dil. Factor: 1.0000
Sample Type: MB
Sample ID: MB 280-198319/1-
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 35
Lims Batch ID: 198855 Lims Sample ID: 41
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:19

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
S 2 Endosulfan, Total									7
1	1		0.0						
2	2		0.0						
S 5 Hexachlorocyclohexane, technical									7
1	100		1.000						
2	2		0.0						
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	22809051	17.5			
2	2	3.803	3.799	0.004	69313353	19.5			
						RPD = 10.86			
8 Hexachlorobenzene									M
1	100	4.255	4.253	0.002	377568	-0.0506			7
2	2	4.280	4.280	0.000	686230	-0.7089			7M
						RPD = -173.36			
LOD = 0.1300									
9 Diallate									
1	100		4.279						
2	2		4.232						
10 alpha-BHC									M
1	-65	4.416	4.420	-0.004	265330	0.4557			
2	2	4.423	4.426	-0.003	252978	-0.3453			M
						RPD = 1450.99			
11 gamma-BHC (Lindane)									
1	-65		4.711						
2	2		4.741						
12 beta-BHC									M
1	100	4.783	4.790	-0.007	655998	0.4220			
2	2	4.824	4.816	0.008	276405	-0.8898			M
						RPD = -156.82			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
3 2,4,5-Trichlorophenol									
1	1		4.794						
2	2		4.762						
13 delta-BHC									
1	100		4.939						
2	2		5.050						
14 Technical Chlordane									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
6 Chlordane (technical)									1
1	100		5.049						
1	2		5.501						
1	3		6.096						
1	4		6.235						
1	5		7.015						
2	6		4.976						
2	7		5.500						
2	8		6.103						
2	9		6.259						
2	10		7.156						
15 Heptachlor									
1	100		5.115						
2	2		5.091						
16 Aldrin									1
1	-65		5.377						
2	2		5.361						
17 Chlorpyrifos									1
1	100		5.601						
2	2		5.583						
18 Isodrin									1
1	100		5.689						
2	2		5.726						
19 Dicofol									1
1	100		5.724						
2	2		5.682						
21 2,4'-DDE									1
1	100		5.954						
2	2		6.113						
22 Heptachlor epoxide									
1	-65		5.963						
2	2		5.906						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
23 gamma-Chlordane									1
1	-65		6.096						
2	2		6.103						
20 Toxaphene									1
1	-65		6.235						
1	-65		6.721						
1	-65		7.406						
1	-65		7.811						
1	-65		8.143						
2	6		6.574						
2	7		6.841						
2	8		7.191						
2	9		7.442						
2	10		8.274						
24 alpha-Chlordane									1
1	-65		6.236						
2	2		6.257						
25 4,4'-DDE									1
1	-65		6.316						
2	2		6.436						
26 Endosulfan I									1
1	100		6.380						
2	2		6.315						
27 2,4'-DDD									1
1	100		6.494						
2	2		6.642						
28 Dieldrin									1
1	100		6.625						
2	2		6.596						
29 2,4'-DDT									1
1	100		6.753						
2	2		6.946						
30 Endrin									1
1	-65		6.860						
2	2		6.902						
31 Kepone									
1	100		6.905						
2	2		7.021						
32 4,4'-DDD									1
1	100		6.922						
2	2		7.018						
33 Chlorobenzilate									1
1	100		6.937						
2	2		6.892						
34 Endosulfan II									1
1	100		7.080						
2	2		7.111						
35 4,4'-DDT									1
1	-65		7.198						
2	2		7.321						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
36 Endrin aldehyde									1
1	-65		7.487						
2	2		7.439						
37 Methoxychlor									1
1	-65		7.660						
2	2		7.969						
38 Mirex									
1	100		7.808						
2	2		8.149						
39 Endosulfan sulfate									1
1	-65		7.898						
2	2		7.697						
40 Endrin ketone									
1	-65		8.160						
2	2		8.189						
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	23540193	19.1			
2	2	9.333	9.333	0.000	27183722	19.7			
						RPD = 3.17			
42 Tris(2,3-dibromopropyl)phosphate									1
1	1		10.754						
2	2		11.088						

QC Flag Legend

Processing Flags
1 - Missing Peaks
7 - Failed Limit of Detection

Review Flags
M - Manually Integrated

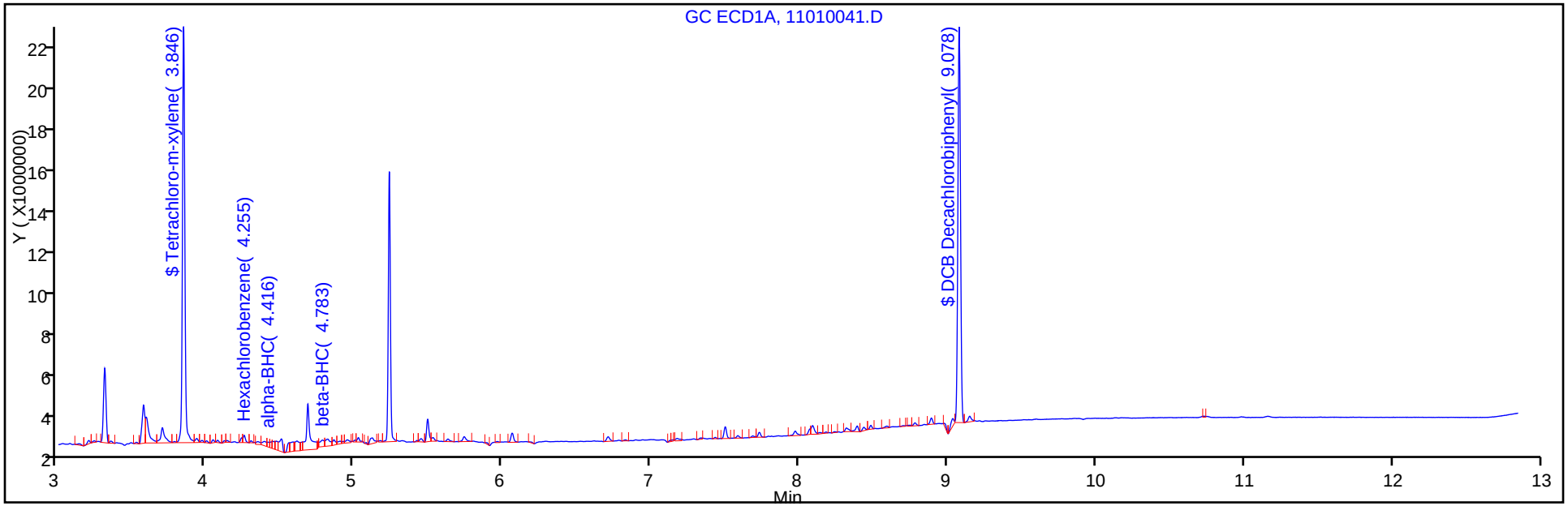
Report Date: 04-Nov-2013 06:46:37 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

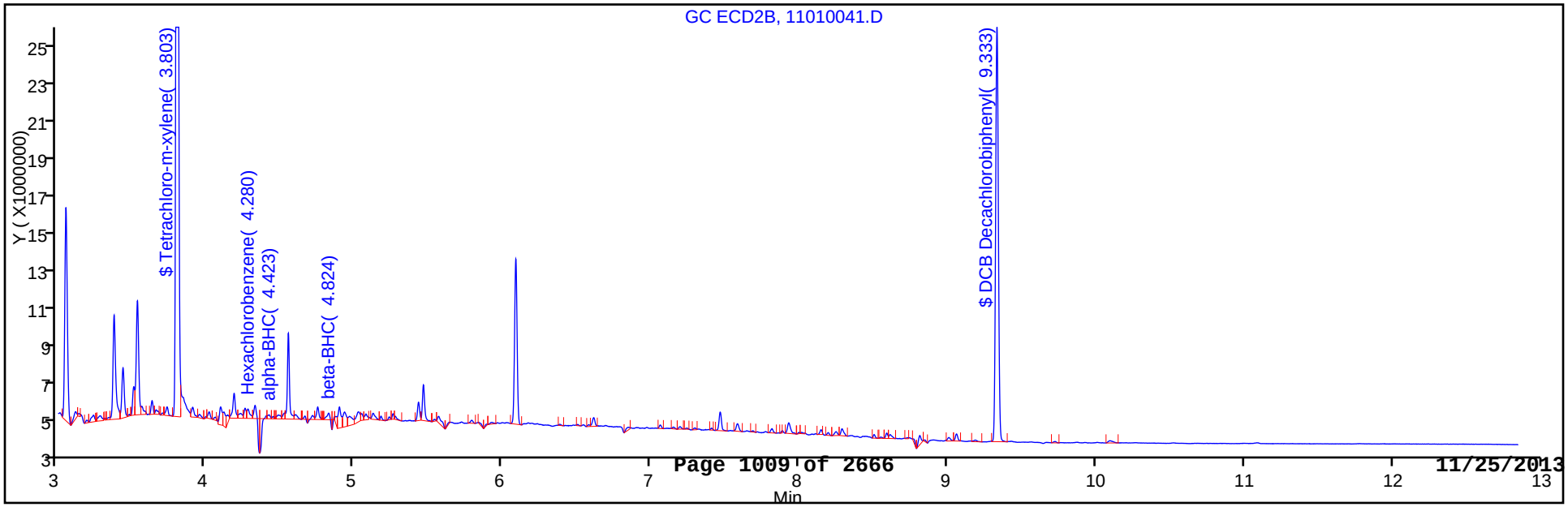
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D

Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Manual Integration/User Assign Peak Report

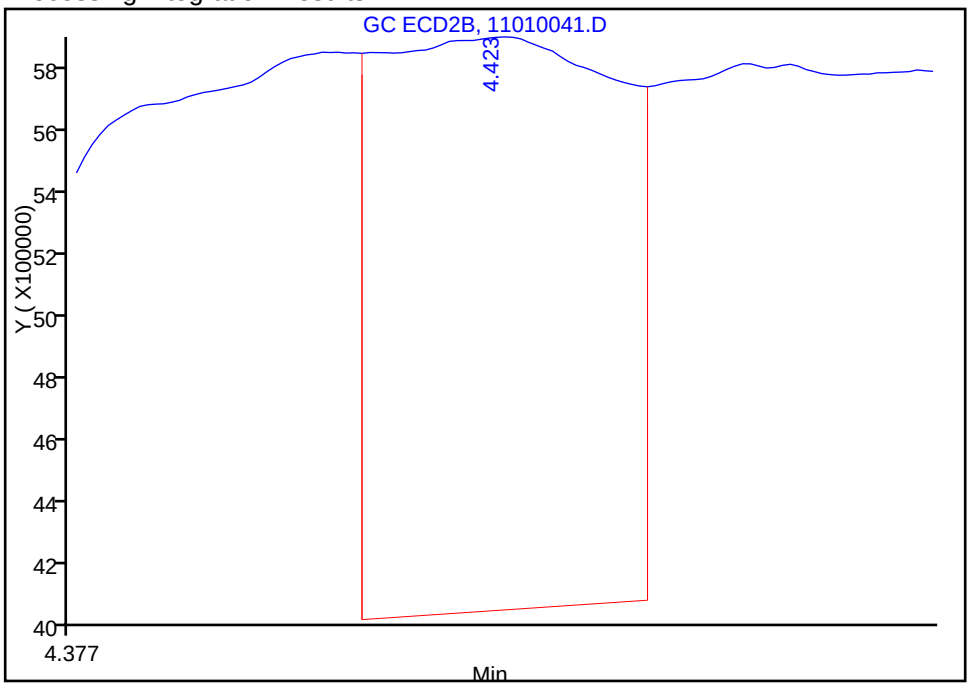
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D		
Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

10 alpha-BHC, Signal: 2, Type: quant, RT: 4.43, Det: GC ECD2B

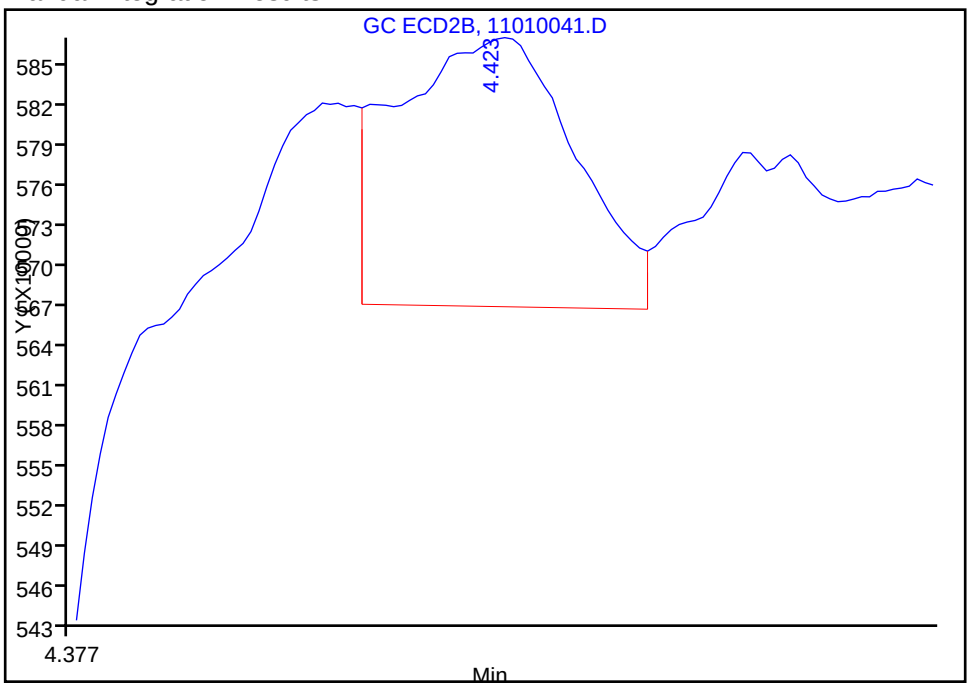
Processing Integration Results

RT: 4.42
Response: 3103636
Amount: 0.263058



Manual Integration Results

RT: 4.42
Response: 252978
Amount: -0.345329



Reviewer: wellsd, 04-Nov-2013 06:29:19
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

Manual Integration/User Assign Peak Report

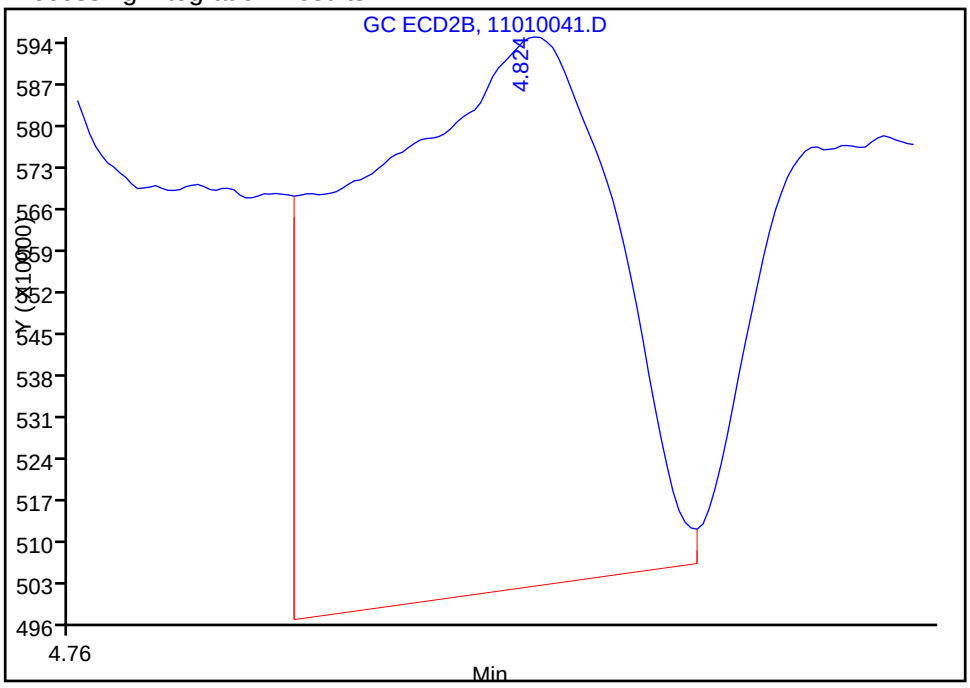
TestAmerica Denver

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010041.D		
Injection Date:	01-Nov-2013 21:43:45	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	41
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

12 beta-BHC, Signal: 2, Type: quant, RT: 4.82, Det: GC ECD2B

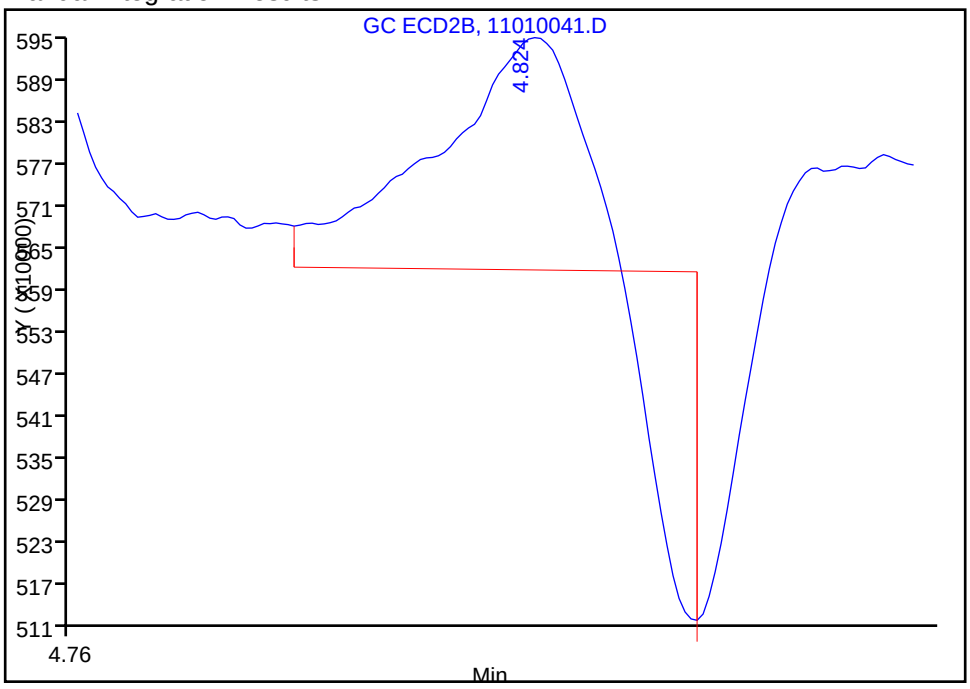
Processing Integration Results

RT: 4.82
Response: 2303644
Amount: 0.363003



Manual Integration Results

RT: 4.82
Response: 276405
Amount: -0.889764



Reviewer: wellsd, 04-Nov-2013 06:29:19
Audit Action: Assigned New Baseline
Audit Reason: Baseline Smoothing

FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198319/2-A

Matrix: Solid | Lab File ID: 11010043.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.0(g) | Date Analyzed: 11/01/2013 22:16

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
72-54-8	4,4'-DDD	18.1		1.7	0.69	0.55
72-55-9	4,4'-DDE	17.2		1.7	0.46	0.24
50-29-3	4,4'-DDT	17.3		2.0	0.69	0.59
309-00-2	Aldrin	16.6		1.7	0.46	0.25
319-84-6	alpha-BHC	16.3		1.7	0.46	0.21
5103-71-9	alpha-Chlordane	16.8		1.7	0.46	0.32
319-85-7	beta-BHC	15.9		1.7	0.69	0.66
319-86-8	delta-BHC	16.2		1.7	0.69	0.40
60-57-1	Dieldrin	17.2		1.7	0.46	0.21
959-98-8	Endosulfan I	16.1		1.7	0.46	0.18
33213-65-9	Endosulfan II	16.9		1.7	0.46	0.29
1031-07-8	Endosulfan sulfate	18.3		1.7	0.46	0.28
72-20-8	Endrin	17.9		1.7	0.46	0.31
7421-93-4	Endrin aldehyde	14.8		1.7	0.46	0.17
53494-70-5	Endrin ketone	17.6		1.7	0.69	0.49
58-89-9	gamma-BHC (Lindane)	16.1		1.7	0.69	0.46
5103-74-2	gamma-Chlordane	17.3		1.7	0.69	0.27
76-44-8	Heptachlor	15.9		1.7	0.46	0.21
1024-57-3	Heptachlor epoxide	17.1		1.7	0.69	0.43
72-43-5	Methoxychlor	17.0		3.3	0.69	0.45

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		55-130
877-09-8	Tetrachloro-m-xylene	90		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010043.D
Lims ID: LCS 280-198319/2-A Client ID:
Inject. Date: 01-Nov-2013 22:16:32 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-198319/2
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 198855 Lims Sample ID: 43
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	23456874	18.0			
2	2	3.802	3.799	0.003	80676612	22.9			
						RPD = 23.72			
10 alpha-BHC									
1	-65	4.422	4.420	0.002	93419156	49.0			
2	2	4.427	4.426	0.001	248348853	52.6			
						RPD = 7.04			
11 gamma-BHC (Lindane)									
1	-65	4.714	4.711	0.003	82946581	48.4			
2	2	4.741	4.741	0.000	207510334	51.5			
						RPD = 6.22			
12 beta-BHC									
1	100	4.791	4.790	0.001	33558706	47.6			
2	2	4.816	4.816	0.000	84869343	51.4			
						RPD = 7.75			
13 delta-BHC									
1	100	4.939	4.939	0.000	84766664	48.7			
2	2	5.050	5.050	0.000	198490012	52.7			
						RPD = 7.96			
15 Heptachlor									
1	100	5.116	5.115	0.001	70585386	47.7			
2	2	5.091	5.091	0.000	169497838	51.4			
						RPD = 7.47			
16 Aldrin									
1	-65	5.378	5.377	0.001	80855405	49.9			
2	2	5.361	5.361	0.000	170781851	53.1			
						RPD = 6.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	72082777	51.3			
2	2	5.905	5.906	-0.001	145396287	53.8			
						RPD = 4.84			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	76737346	51.9			
2	2	6.104	6.103	0.001	162669061	58.2			
						RPD = 11.48			
24 alpha-Chlordane									
1	-65	6.238	6.236	0.002	72868446	50.5			
2	2	6.258	6.257	0.001	140336233	53.3			
						RPD = 5.43			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	78960552	51.7			
2	2	6.437	6.436	0.001	144851735	54.7			
						RPD = 5.60			
26 Endosulfan I									
1	100	6.380	6.380	0.000	65963521	48.4			
2	2	6.316	6.315	0.001	122560226	50.2			
						RPD = 3.61			
28 Dieldrin									
1	100	6.626	6.625	0.001	77427624	51.7			
2	2	6.597	6.596	0.001	141343262	53.7			
						RPD = 3.63			
30 Endrin									
1	-65	6.860	6.860	0.000	70790224	53.6			
2	2	6.903	6.902	0.001	124890440	55.2			
						RPD = 3.03			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	62792037	54.2			
2	2	7.018	7.018	0.000	110725007	54.0			
						RPD = 0.34			
34 Endosulfan II									
1	100	7.082	7.080	0.002	62783624	50.7			
2	2	7.111	7.111	0.000	107789539	51.8			
						RPD = 2.16			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	59110486	52.0			
2	2	7.321	7.321	0.000	99671956	52.5			
						RPD = 0.92			
36 Endrin aldehyde									
1	-65	7.489	7.487	0.002	47138707	44.5			
2	2	7.439	7.439	0.000	77562890	46.0			
						RPD = 3.34			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28295187	51.0			
2	2	7.968	7.969	-0.001	44121926	51.8			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
39 Endosulfan sulfate									
1	-65	7.899	7.898	0.001	62703040	54.8			
2	2	7.698	7.697	0.001	92881877	52.0			
						RPD = 5.13			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	70912065	52.9			
2	2	8.189	8.189	0.000	100578451	50.7			
						RPD = 4.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	25593144	20.9			
2	2	9.333	9.333	0.000	27734421	20.2			
						RPD = 3.40			

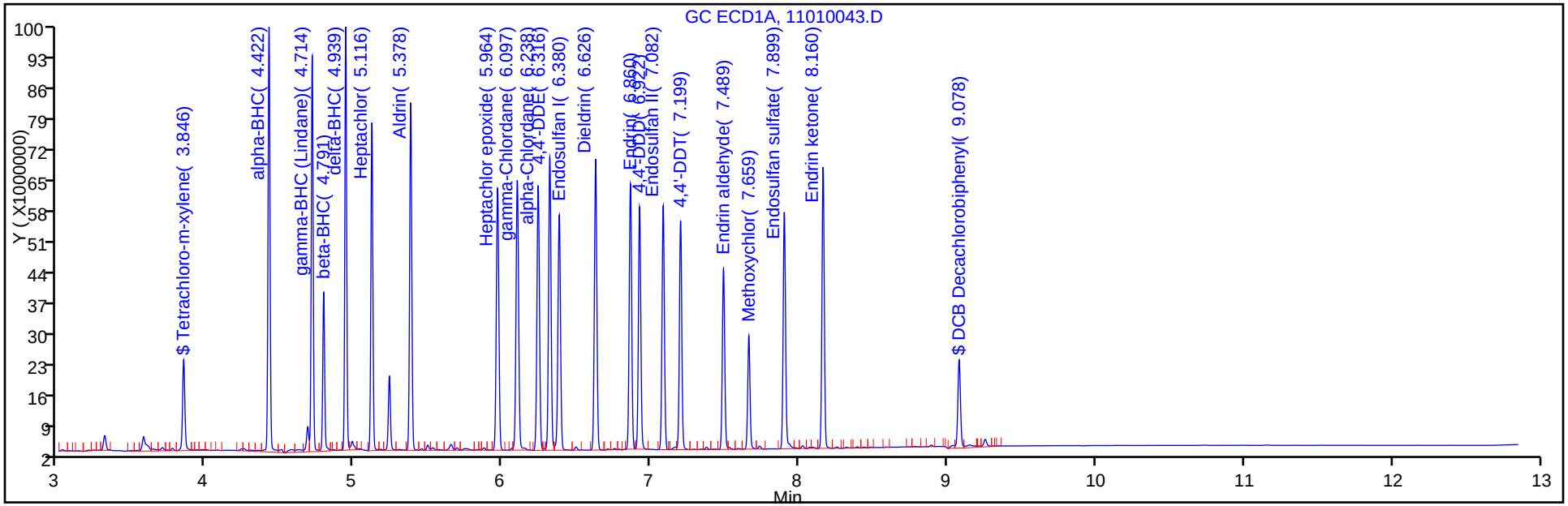
Report Date: 04-Nov-2013 06:46:38 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

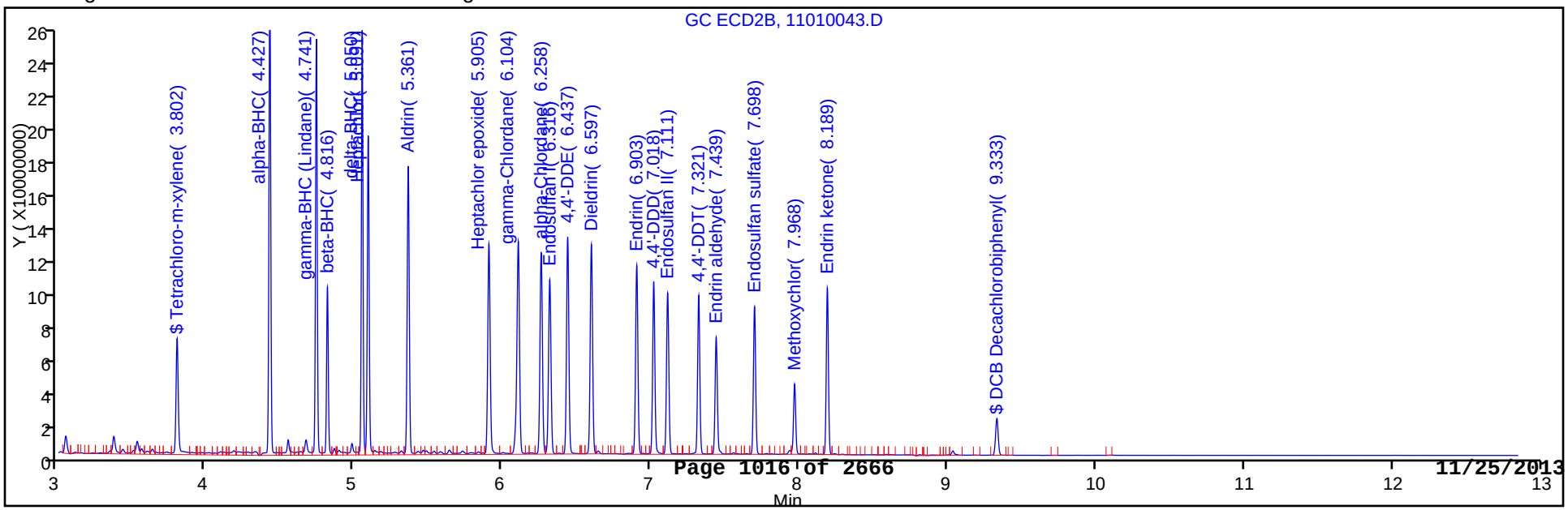
Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010043.D

Injection Date:	01-Nov-2013 22:16:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	43
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198319/2-A

Matrix: Solid Lab File ID: 11010043.D

Analysis Method: 8081B Date Collected:

Extraction Method: 3546 Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.0(g) Date Analyzed: 11/01/2013 22:16

Con. Extract Vol.: 10000(uL) Dilution Factor: 1

Injection Volume: 1(uL) GC Column: CLP2 ID: 0.32(mm)

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

Analysis Batch No.: 198855 Units: ug/Kg

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	101		55-130
877-09-8	Tetrachloro-m-xylene	114		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010043.D
Lims ID: LCS 280-198319/2-A Client ID:
Inject. Date: 01-Nov-2013 22:16:32 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-198319/2
Misc. Info.:
Operator: DW Instrument ID: SGC_P2
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 198855 Lims Sample ID: 43
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m
Last Update: 04-Nov-2013 06:46:34 Calib Date: 17-Oct-2013 16:23:25
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D
Limit Group: GCSV - 8081A
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK047

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	23456874	18.0			
2	2	3.802	3.799	0.003	80676612	22.9			
						RPD = 23.72			
10 alpha-BHC									
1	-65	4.422	4.420	0.002	93419156	49.0			
2	2	4.427	4.426	0.001	248348853	52.6			
						RPD = 7.04			
11 gamma-BHC (Lindane)									
1	-65	4.714	4.711	0.003	82946581	48.4			
2	2	4.741	4.741	0.000	207510334	51.5			
						RPD = 6.22			
12 beta-BHC									
1	100	4.791	4.790	0.001	33558706	47.6			
2	2	4.816	4.816	0.000	84869343	51.4			
						RPD = 7.75			
13 delta-BHC									
1	100	4.939	4.939	0.000	84766664	48.7			
2	2	5.050	5.050	0.000	198490012	52.7			
						RPD = 7.96			
15 Heptachlor									
1	100	5.116	5.115	0.001	70585386	47.7			
2	2	5.091	5.091	0.000	169497838	51.4			
						RPD = 7.47			
16 Aldrin									
1	-65	5.378	5.377	0.001	80855405	49.9			
2	2	5.361	5.361	0.000	170781851	53.1			
						RPD = 6.29			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
22 Heptachlor epoxide									
1	-65	5.964	5.963	0.001	72082777	51.3			
2	2	5.905	5.906	-0.001	145396287	53.8			
						RPD = 4.84			
23 gamma-Chlordane									
1	-65	6.097	6.096	0.001	76737346	51.9			
2	2	6.104	6.103	0.001	162669061	58.2			
						RPD = 11.48			
24 alpha-Chlordane									
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2	2	6.258	6.257	0.001	140336233	53.3			
						RPD = 5.43			
25 4,4'-DDE									
1	-65	6.316	6.316	0.000	78960552	51.7			
2	2	6.437	6.436	0.001	144851735	54.7			
						RPD = 5.60			
26 Endosulfan I									
1	100	6.380	6.380	0.000	65963521	48.4			
2	2	6.316	6.315	0.001	122560226	50.2			
						RPD = 3.61			
28 Dieldrin									
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2	2	6.597	6.596	0.001	141343262	53.7			
						RPD = 3.63			
30 Endrin									
1	-65	6.860	6.860	0.000	70790224	53.6			
2	2	6.903	6.902	0.001	124890440	55.2			
						RPD = 3.03			
32 4,4'-DDD									
1	100	6.922	6.922	0.000	62792037	54.2			
2	2	7.018	7.018	0.000	110725007	54.0			
						RPD = 0.34			
34 Endosulfan II									
1	100	7.082	7.080	0.002	62783624	50.7			
2	2	7.111	7.111	0.000	107789539	51.8			
						RPD = 2.16			
35 4,4'-DDT									
1	-65	7.199	7.198	0.001	59110486	52.0			
2	2	7.321	7.321	0.000	99671956	52.5			
						RPD = 0.92			
36 Endrin aldehyde									
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2	2	7.439	7.439	0.000	77562890	46.0			
						RPD = 3.34			
37 Methoxychlor									
1	-65	7.659	7.660	-0.001	28295187	51.0			
2	2	7.968	7.969	-0.001	44121926	51.8			
						RPD = 1.57			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
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1	-65	7.899	7.898	0.001	62703040	54.8			
2	2	7.698	7.697	0.001	92881877	52.0			
						RPD = 5.13			
40 Endrin ketone									
1	-65	8.160	8.160	0.000	70912065	52.9			
2	2	8.189	8.189	0.000	100578451	50.7			
						RPD = 4.30			
$ 41 DCB Decachlorobiphenyl									
1	1	9.078	9.078	0.000	25593144	20.9			
2	2	9.333	9.333	0.000	27734421	20.2			
						RPD = 3.40			

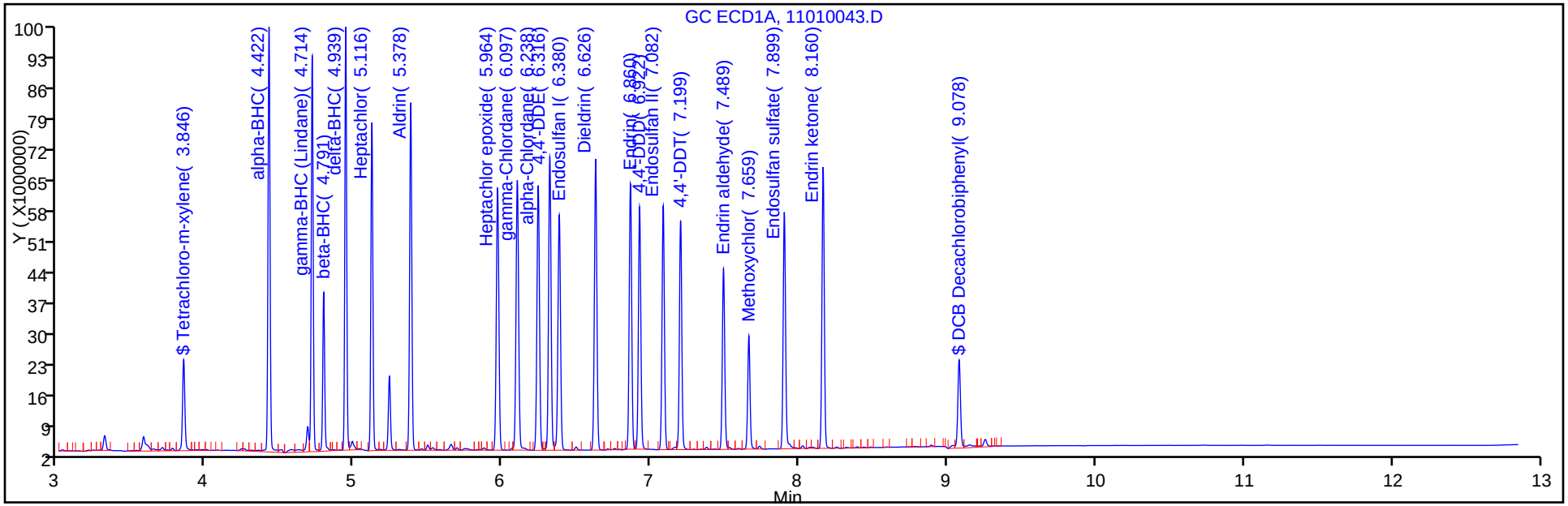
Report Date: 04-Nov-2013 06:46:39 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

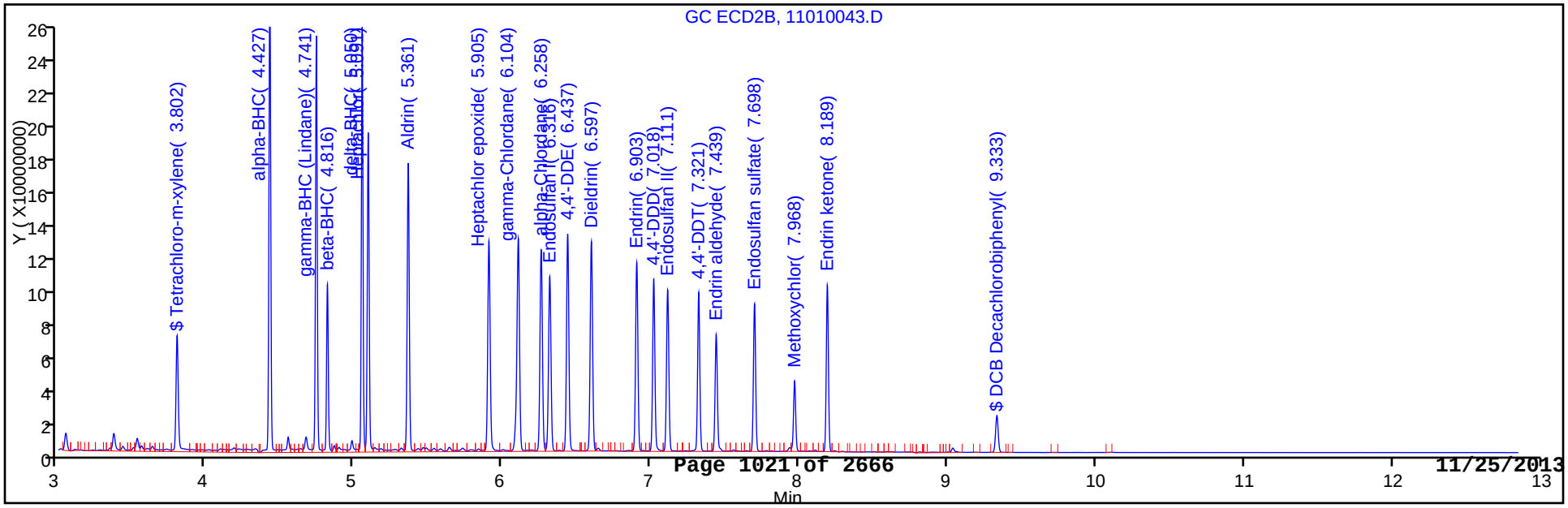
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Injection Date:	01-Nov-2013 22:16:32	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	43
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
GC SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198319/3-A

Matrix: Solid | Lab File ID: 11010042.D

Analysis Method: 8081B | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.3(g) | Date Analyzed: 11/01/2013 22:00

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 198855 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
8001-35-2	Toxaphene	69.8	J	170	27	16

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	109		55-130
877-09-8	Tetrachloro-m-xylene	99		70-125

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010042.D		
Lims ID:	LCS 280-198319/3-A	Client ID:	
Inject. Date:	01-Nov-2013 22:00:08	Dil. Factor:	1.0000
Sample Type:	LCS		
Sample ID:	LCS 280-198319/3		
Misc. Info.:			
Operator:	DW	Instrument ID:	SGC_P2
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	198855	Lims Sample ID:	42
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_P2\20131101-16967.b\8081 P2.m		
Last Update:	04-Nov-2013 06:46:34	Calib Date:	17-Oct-2013 16:23:25
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_P2\20131017-16435.b\10170012.D		
Limit Group:	GCSV - 8081A		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK047		

First Level Reviewer: wellsd Date: 04-Nov-2013 06:29:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/mL	Ratio Range	Ratio	Flags
$ 7 Tetrachloro-m-xylene									
1	100	3.846	3.843	0.003	25849473	19.9			
2	2	3.802	3.799	0.003	80880885	22.9			
						RPD = 14.31			
20 Toxaphene									M
1	-65	6.230	6.235	-0.005	1115870	235.5		100.0	M
1	-65	6.721	6.721	0.000	3707221	161.7	513.2- 553.2	332.2	M
1	-65	7.406	7.406	0.000	9093347	267.6	792.2- 832.2	814.9	M
1	-65	7.811	7.811	0.000	11439477	184.3	1468.1-1508.1	1025.2	M
1	-65	8.144	8.143	0.001	7205380	208.3	878.0- 918.0	645.7	M
			Average of Peak Amounts =			211.5			
2	6	6.574	6.574	0.000	10977539	261.4		100.0	M
2	7	6.842	6.841	0.001	7255114	60.5	165.8- 225.8	66.1	M
2	8	7.192	7.191	0.001	24641282	235.0	243.1- 303.1	224.5	M
2	9	7.444	7.442	0.002	18855739	133.1	301.5- 361.5	171.8	M
2	10	8.276	8.274	0.002	9900520	207.5	105.5- 165.5	90.2	M
			Average of Peak Amounts =			179.5			
						RPD = 16.36			
$ 41 DCB Decachlorobiphenyl									
1	1	9.079	9.078	0.001	26763634	21.8			
2	2	9.334	9.333	0.001	28591492	20.8			
						RPD = 4.85			

QC Flag Legend

Review Flags
M - Manually Integrated

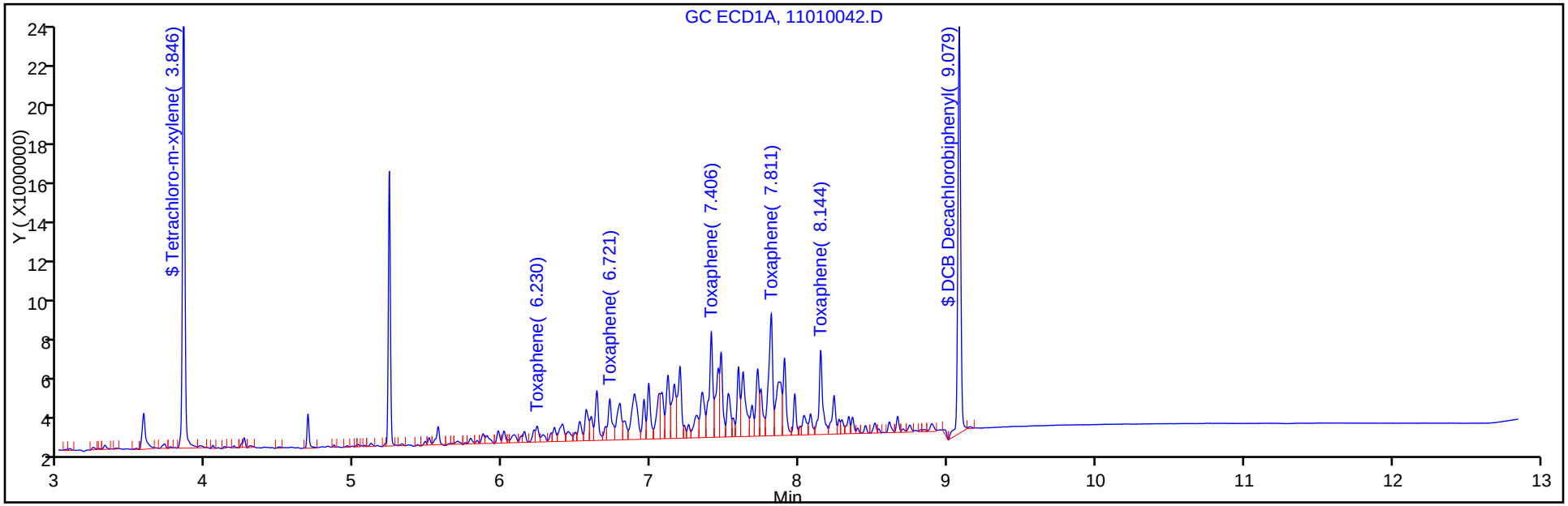
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TestAmerica Denver

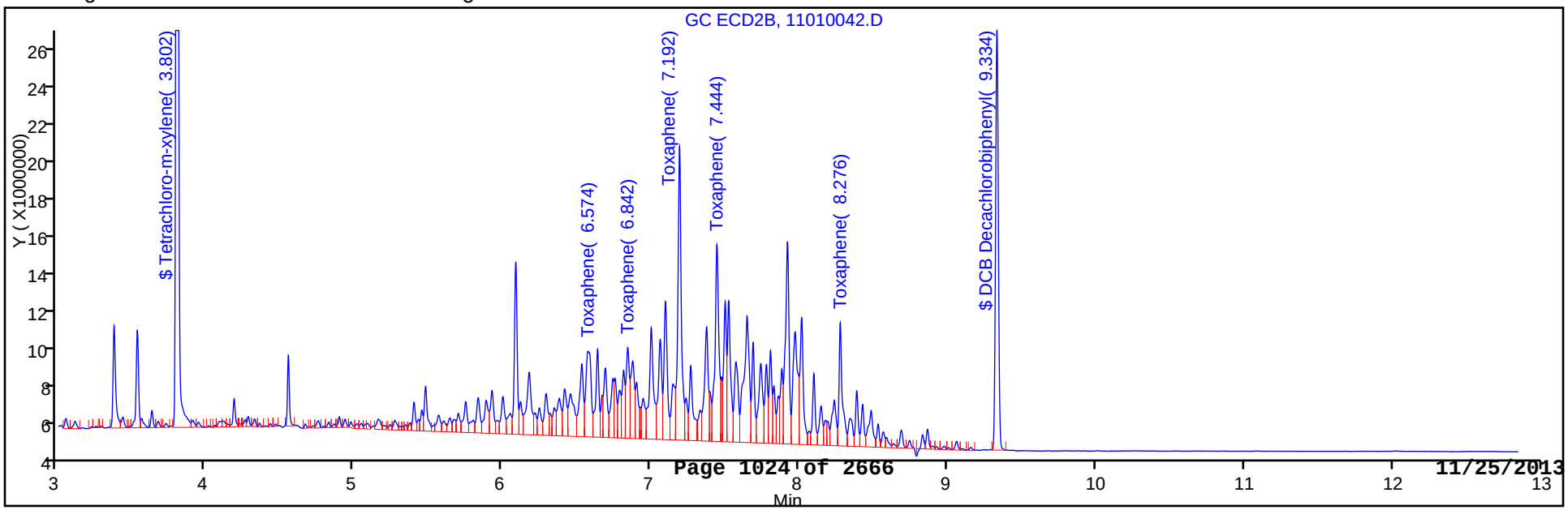
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Injection Date:	01-Nov-2013 22:00:08	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	42
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



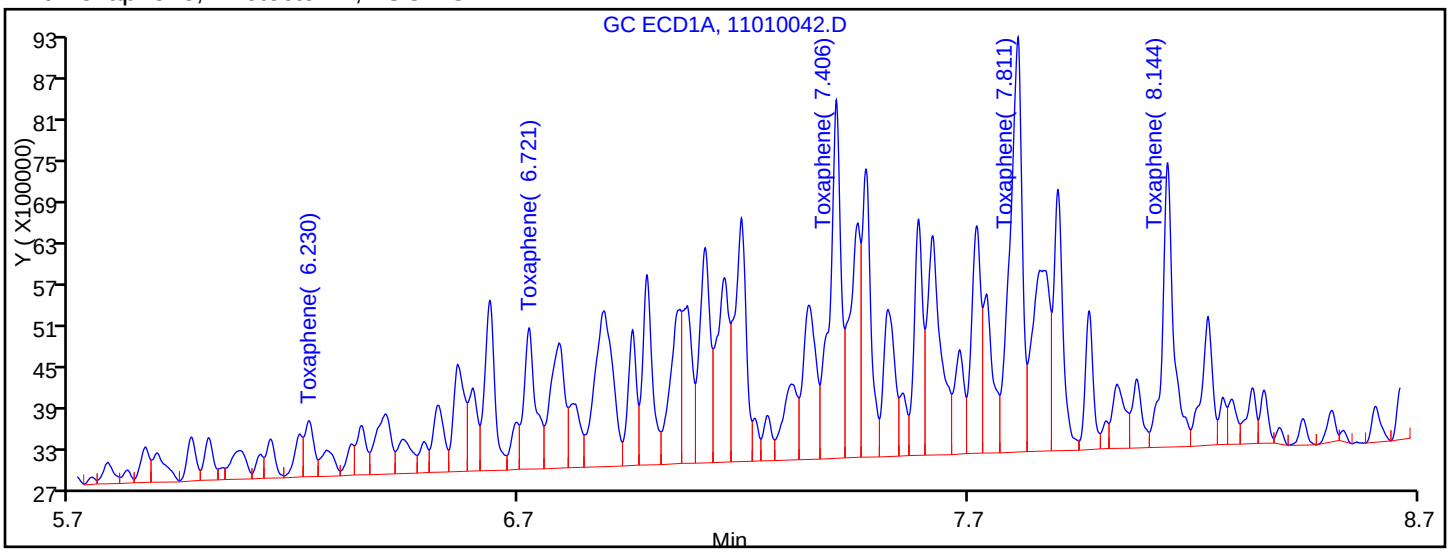
Report Date: 04-Nov-2013 06:46:37 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_P2\20131101-16967.b\11010042.D

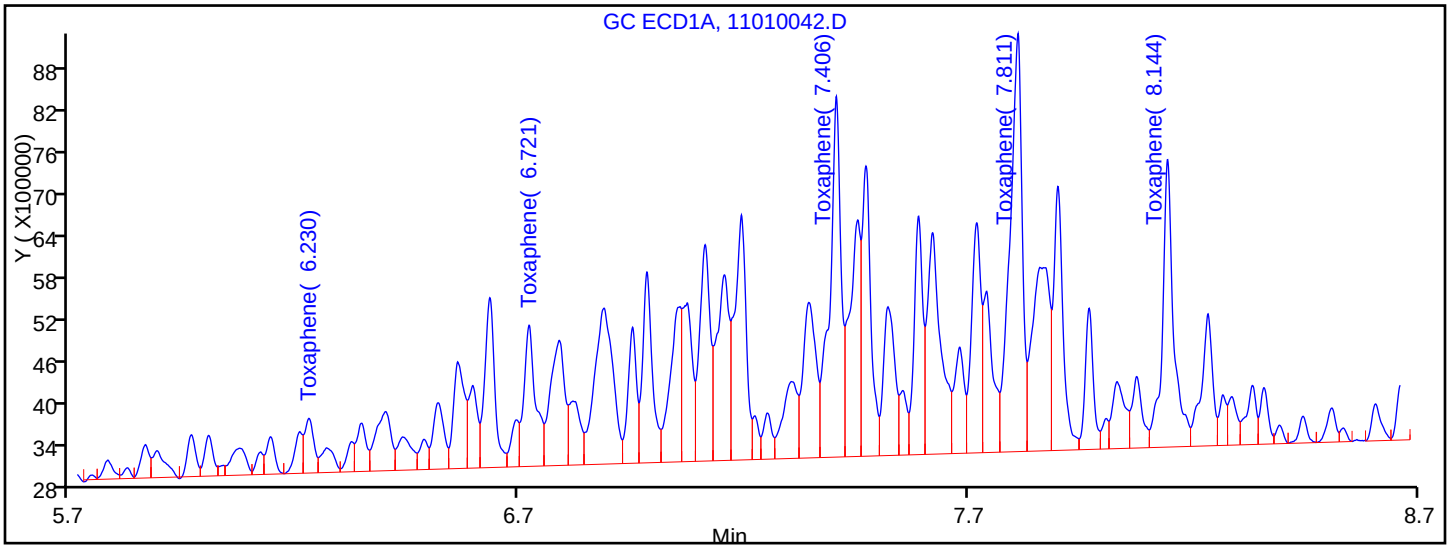
Injection Date:	01-Nov-2013 22:00:08	Limit Group:	GCSV - 8081A
Client ID:		Instrument ID:	SGC_P2
Lims Batch ID:	198855	Lims Sample ID:	42
Operator ID:	DW	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

20 Toxaphene, Detector: 1, GC ECD1A



Processing Integration Results

RT = 6.230	Response = 1156528	M
RT = 6.721	Response = 3729878	M
RT = 7.406	Response = 9044879	M
RT = 7.811	Response = 11343941	M
RT = 8.144	Response = 7022321	M



Manual Integration Results

RT = 6.230	Response = 1115870	M
RT = 6.721	Response = 3707221	M
RT = 7.406	Response = 9093347	M
RT = 7.811	Response = 11439477	M
RT = 8.144	Response = 7205380	M

Reviewer: wellsd, 04-Nov-2013 06:29:38

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 10/15/2013 14:34

Analysis Batch Number: 196035 End Date: 10/16/2013 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-196035/7		10/15/2013 14:34	1		CLP1 0.32(mm)
PEM 280-196035/7		10/15/2013 14:34	1		CLP2 0.32(mm)
STD6 280-196035/10 IC		10/15/2013 15:24	1	10150010.D	CLP1 0.32(mm)
STD6 280-196035/10 IC		10/15/2013 15:24	1	10150010.D	CLP2 0.32(mm)
STD5 280-196035/11 IC		10/15/2013 15:40	1	10150011.D	CLP1 0.32(mm)
STD5 280-196035/11 IC		10/15/2013 15:40	1	10150011.D	CLP2 0.32(mm)
STD4 280-196035/12 IC		10/15/2013 15:56	1	10150012.D	CLP1 0.32(mm)
STD4 280-196035/12 IC		10/15/2013 15:56	1	10150012.D	CLP2 0.32(mm)
STD3 280-196035/13 IC		10/15/2013 16:13	1	10150013.D	CLP1 0.32(mm)
STD3 280-196035/13 IC		10/15/2013 16:13	1	10150013.D	CLP2 0.32(mm)
STD2 280-196035/14 IC		10/15/2013 16:29	1	10150014.D	CLP1 0.32(mm)
STD2 280-196035/14 IC		10/15/2013 16:29	1	10150014.D	CLP2 0.32(mm)
STD1 280-196035/15 IC		10/15/2013 16:46	1	10150015.D	CLP1 0.32(mm)
STD1 280-196035/15 IC		10/15/2013 16:46	1	10150015.D	CLP2 0.32(mm)
ICV 280-196035/16		10/15/2013 17:02	1	10150016.D	CLP1 0.32(mm)
ICV 280-196035/16		10/15/2013 17:02	1	10150016.D	CLP2 0.32(mm)
STD7 280-196035/17 IC		10/15/2013 17:18	1		CLP1 0.32(mm)
STD7 280-196035/17 IC		10/15/2013 17:18	1		CLP2 0.32(mm)
STD6 280-196035/18 IC		10/15/2013 17:35	1		CLP1 0.32(mm)
STD6 280-196035/18 IC		10/15/2013 17:35	1		CLP2 0.32(mm)
STD5 280-196035/19 IC		10/15/2013 17:51	1		CLP1 0.32(mm)
STD5 280-196035/19 IC		10/15/2013 17:51	1		CLP2 0.32(mm)
STD4 280-196035/20 IC		10/15/2013 18:08	1		CLP1 0.32(mm)
STD4 280-196035/20 IC		10/15/2013 18:08	1		CLP2 0.32(mm)
STD3 280-196035/21 IC		10/15/2013 18:24	1		CLP1 0.32(mm)
STD3 280-196035/21 IC		10/15/2013 18:24	1		CLP2 0.32(mm)
STD2 280-196035/22 IC		10/15/2013 18:40	1		CLP1 0.32(mm)
STD2 280-196035/22 IC		10/15/2013 18:40	1		CLP2 0.32(mm)
STD1 280-196035/23 IC		10/15/2013 18:57	1		CLP1 0.32(mm)
STD1 280-196035/23 IC		10/15/2013 18:57	1		CLP2 0.32(mm)
ICV 280-196035/24		10/15/2013 19:13	1		CLP1 0.32(mm)
ICV 280-196035/24		10/15/2013 19:13	1		CLP2 0.32(mm)
STD6 280-196035/25 IC		10/15/2013 19:30	1	10150025.D	CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 10/15/2013 14:34

Analysis Batch Number: 196035 End Date: 10/16/2013 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STD6 280-196035/25 IC		10/15/2013 19:30	1	10150025.D	CLP2 0.32(mm)
STD5 280-196035/26 IC		10/15/2013 19:46	1	10150026.D	CLP1 0.32(mm)
STD5 280-196035/26 IC		10/15/2013 19:46	1	10150026.D	CLP2 0.32(mm)
STD4 280-196035/27 IC		10/15/2013 20:02	1	10150027.D	CLP1 0.32(mm)
STD4 280-196035/27 IC		10/15/2013 20:02	1	10150027.D	CLP2 0.32(mm)
STD3 280-196035/28 IC		10/15/2013 20:19	1	10150028.D	CLP1 0.32(mm)
STD3 280-196035/28 IC		10/15/2013 20:19	1	10150028.D	CLP2 0.32(mm)
STD2 280-196035/29 IC		10/15/2013 20:35	1	10150029.D	CLP1 0.32(mm)
STD2 280-196035/29 IC		10/15/2013 20:35	1	10150029.D	CLP2 0.32(mm)
STD1 280-196035/30 IC		10/15/2013 20:52	1	10150030.D	CLP1 0.32(mm)
STD1 280-196035/30 IC		10/15/2013 20:52	1	10150030.D	CLP2 0.32(mm)
ICV 280-196035/31		10/15/2013 21:08	1	10150031.D	CLP1 0.32(mm)
ICV 280-196035/31		10/15/2013 21:08	1	10150031.D	CLP2 0.32(mm)
STD5 280-196035/32 IC		10/15/2013 21:24	1		CLP1 0.32(mm)
STD5 280-196035/32 IC		10/15/2013 21:24	1		CLP2 0.32(mm)
STD4 280-196035/33 IC		10/15/2013 21:41	1		CLP1 0.32(mm)
STD4 280-196035/33 IC		10/15/2013 21:41	1		CLP2 0.32(mm)
STD3 280-196035/34 IC		10/15/2013 21:57	1		CLP1 0.32(mm)
STD3 280-196035/34 IC		10/15/2013 21:57	1		CLP2 0.32(mm)
STD2 280-196035/35 IC		10/15/2013 22:14	1		CLP1 0.32(mm)
STD2 280-196035/35 IC		10/15/2013 22:14	1		CLP2 0.32(mm)
STD1 280-196035/36 IC		10/15/2013 22:30	1		CLP1 0.32(mm)
STD1 280-196035/36 IC		10/15/2013 22:30	1		CLP2 0.32(mm)
ICV 280-196035/37		10/15/2013 22:46	1		CLP1 0.32(mm)
ICV 280-196035/37		10/15/2013 22:46	1		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:03	1000		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:03	1000		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:19	2000		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:19	2000		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:35	1		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:35	1		CLP2 0.32(mm)
ZZZZZ		10/15/2013 23:52	500		CLP1 0.32(mm)
ZZZZZ		10/15/2013 23:52	500		CLP2 0.32(mm)
ZZZZZ		10/16/2013 00:08	1		CLP1 0.32(mm)
ZZZZZ		10/16/2013 00:08	1		CLP2 0.32(mm)
ZZZZZ		10/16/2013 00:25	1		CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 10/15/2013 14:34

Analysis Batch Number: 196035 End Date: 10/16/2013 00:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		10/16/2013 00:25	1		CLP2 0.32(mm)
CCV 280-196035/42		10/16/2013 00:41	1		CLP1 0.32(mm)
CCV 280-196035/42		10/16/2013 00:41	1		CLP2 0.32(mm)
CCV 280-196035/43		10/16/2013 00:57	1		CLP1 0.32(mm)
CCV 280-196035/43		10/16/2013 00:57	1		CLP2 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 11/01/2013 12:06

Analysis Batch Number: 198855 End Date: 11/02/2013 04:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
PEM 280-198855/7		11/01/2013 12:06	1	11010007.D	CLP1 0.32(mm)
PEM 280-198855/7		11/01/2013 12:06	1	11010007.D	CLP2 0.32(mm)
CCVRT 280-198855/10		11/01/2013 12:55	1	11010010.D	CLP1 0.32(mm)
CCVRT 280-198855/10		11/01/2013 12:55	1	11010010.D	CLP2 0.32(mm)
CCV 280-198855/11		11/01/2013 13:11	1	11010011.D	CLP1 0.32(mm)
CCV 280-198855/11		11/01/2013 13:11	1		CLP2 0.32(mm)
CCV 280-198855/27		11/01/2013 17:53	1		CLP1 0.32(mm)
CCV 280-198855/27		11/01/2013 17:53	1		CLP2 0.32(mm)
CCV 280-198855/38		11/01/2013 20:54	1	11010038.D	CLP1 0.32(mm)
CCV 280-198855/38		11/01/2013 20:54	1	11010038.D	CLP2 0.32(mm)
CCV 280-198855/39		11/01/2013 21:10	1		CLP1 0.32(mm)
CCV 280-198855/39		11/01/2013 21:10	1		CLP2 0.32(mm)
CCV 280-198855/40		11/01/2013 21:27	1	11010040.D	CLP1 0.32(mm)
CCV 280-198855/40		11/01/2013 21:27	1		CLP2 0.32(mm)
MB 280-198319/1-A		11/01/2013 21:43	1	11010041.D	CLP1 0.32(mm)
MB 280-198319/1-A		11/01/2013 21:43	1	11010041.D	CLP2 0.32(mm)
LCS 280-198319/3-A		11/01/2013 22:00	1	11010042.D	CLP1 0.32(mm)
ZZZZZ		11/01/2013 22:00	1		CLP2 0.32(mm)
LCS 280-198319/2-A		11/01/2013 22:16	1	11010043.D	CLP1 0.32(mm)
LCS 280-198319/2-A		11/01/2013 22:16	1	11010043.D	CLP2 0.32(mm)
ZZZZZ		11/01/2013 22:32	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 22:32	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 22:49	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 22:49	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:05	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:05	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:22	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:22	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:38	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:38	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 23:55	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 23:55	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 00:11	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 00:11	1		CLP2 0.32(mm)
CCV 280-198855/51		11/02/2013 00:27	1	11010051.D	CLP1 0.32(mm)
CCV 280-198855/51		11/02/2013 00:27	1	11010051.D	CLP2 0.32(mm)
CCV 280-198855/52		11/02/2013 00:44	1		CLP1 0.32(mm)
CCV 280-198855/52		11/02/2013 00:44	1		CLP2 0.32(mm)
CCV 280-198855/53		11/02/2013 01:00	1	11010053.D	CLP1 0.32(mm)
CCV 280-198855/53		11/02/2013 01:00	1		CLP2 0.32(mm)
PEM 280-198855/54		11/02/2013 01:17	1	11010054.D	CLP1 0.32(mm)
PEM 280-198855/54		11/02/2013 01:17	1	11010054.D	CLP2 0.32(mm)
ZZZZZ		11/02/2013 01:33	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 01:33	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 01:49	1		CLP1 0.32(mm)

GC SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_P2 Start Date: 11/01/2013 12:06

Analysis Batch Number: 198855 End Date: 11/02/2013 04:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/02/2013 01:49	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:06	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:06	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:22	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:22	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:39	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:39	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 02:55	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 02:55	1		CLP2 0.32(mm)
ZZZZZ		11/02/2013 03:12	1		CLP1 0.32(mm)
ZZZZZ		11/02/2013 03:12	1		CLP2 0.32(mm)
280-48486-1	AOI474BF	11/02/2013 03:28	1	11010062.D	CLP1 0.32(mm)
280-48486-1	AOI474BF	11/02/2013 03:28	1	11010062.D	CLP2 0.32(mm)
CCV 280-198855/63		11/02/2013 03:44	1	11010063.D	CLP1 0.32(mm)
CCV 280-198855/63		11/02/2013 03:44	1		CLP2 0.32(mm)
CCV 280-198855/64		11/02/2013 04:01	1	11010064.D	CLP1 0.32(mm)
CCV 280-198855/64		11/02/2013 04:01	1	11010064.D	CLP2 0.32(mm)

GC SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198319 Batch Start Date: 10/29/13 18:50 Batch Analyst: Pottruff, Erma J

Batch Method: 3546 Batch End Date: 10/30/13 11:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8081 LCS 00207	8081/82 Surr 00061	8081Toxaphene 00015	AnalysisComment
MB 280-198319/1		3546, 8081B		30.4 g	10000 uL		1 mL		
LCS 280-198319/2		3546, 8081B		30.0 g	10000 uL	1 mL	1 mL		81
LCS 280-198319/3		3546, 8081B		30.3 g	10000 uL		1 mL	1 mL	tox
280-48486-A-1	AOI474BF	3546, 8081B	T	30.1 g	10000 uL		1 mL		

Batch Notes	
Balance ID	24350888
Batch Comment	weighed by EJ filtered by EJ pip: OP-P1 (11.3)/ OP-P3 (2.00)
Person's name who did the concentration	Adams, A./ Scoles, B.
Exchange Solvent Lot #	Hexane_Cycl_00018
Exchange Solvent Name	Hexane
Final Concentrator Volume	10 mL
Florisil Lot #	930673; FlorisilSol_00046; By Adams, A.; pip: I (1mLx2)
MeCL2 Lot #	MeCl2_Cycl_00130
MeCl2/Acetone Lot #	1:1AceMeCl2_00034
Microwave Start Time	10/29/13 @ 1945
Microwave Stop Time	10/29/13 @ 2145
Na2SO4 Lot Number	K10624_0001
Ottawa Sand Lot #	2BI0314
Pipette ID	E
Person's name who did the prep	Erma P
SOP Number	DV OP 0015/0007
Person who witnessed spiking	BJ
Water Bath ID	A
Water Bath Temperature	88 (Obs: 87)

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Method 8082A

Polychlorinated Biphenyls (PCBs) (GC) by Method 8082A

FORM II
PCBS SURROGATE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): CLP1 ID: 0.32 (mm)

Client Sample ID	Lab Sample ID	TCX1 #	DCB1 #
AOI474BF	280-48486-1	86	89
	MB 280-198319/1-A	84	102
	LCS 280-198319/4-A	86	104

	QC LIMITS
TCX = Tetrachloro-m-xylene	53-128
DCB = DCB Decachlorobiphenyl	60-125

Column to be used to flag recovery values

FORM II 8082A

FORM III
PCBS LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: 11011324.D

Lab ID: LCS 280-198319/4-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
PCB-1016	66.0	57.7	87	40-140	
PCB-1260	66.0	63.5	96	60-130	

Column to be used to flag recovery and RPD values

FORM III 8082A

FORM IV
PCBS METHOD BLANK SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: MB 280-198319/1-A

Matrix: Solid Date Extracted: 10/29/2013 18:50

Lab File ID:(1) 11011323.D Lab File ID:(2) 11011323.D

Date Analyzed:(1) 11/01/2013 16:40 Date Analyzed:(2) 11/01/2013 16:40

Instrument ID:(1) SGC_W Instrument ID:(2) SGC_W

GC Column:(1) CLP1 ID: 0.32(mm) GC Column:(2) CLP2 ID: 0.32(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
	LCS 280-198319/4-A	11/01/2013 17:03	11/01/2013 17:03
AOI474BF	280-48486-1	11/01/2013 21:42	11/01/2013 21:42

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198824/3 Date Analyzed: 11/01/2013 08:56

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm)

Lab File ID (Standard): 11011303.D Heated Purge: (Y/N) N

Calibration ID: 16055

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				4.00	13.31	
UPPER LIMIT				4.03	13.34	
LOWER LIMIT				3.97	13.28	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198824/3		11/01/2013 08:56	11011303.D	4.00	13.31	
CCV 280-198824/22		11/01/2013 16:17	11011322.D	3.99	13.31	
MB 280-198319/1-A		11/01/2013 16:40	11011323.D	3.99	13.30	
LCS 280-198319/4-A		11/01/2013 17:03	11011324.D	3.99	13.30	
280-48486-1	AOI474BF	11/01/2013 21:42	11011336.D	4.00	13.30	
CCV 280-198824/38		11/01/2013 22:28	11011338.D	4.00	13.31	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM VIII
PCBS ANALYTICAL SEQUENCE

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Sample No.: CCVRT 280-198824/3 Date Analyzed: 11/01/2013 08:56

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm)

Lab File ID (Standard): 11011303.D Heated Purge: (Y/N) N

Calibration ID: 16056

THE ANALYTICAL SEQUENCE OF BLANKS, SAMPLES, STANDARDS, MS/MSDs AND LCSs IS GIVEN BELOW:

				TCX	DCB	
				RT #	RT #	
CONTINUING CALIBRATION SURROGATE				3.81	13.57	
UPPER LIMIT				3.84	13.60	
LOWER LIMIT				3.78	13.54	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	LAB FILE ID			
CCVRT 280-198824/3		11/01/2013 08:56	11011303.D	3.81	13.57	
CCV 280-198824/22		11/01/2013 16:17	11011322.D	3.81	13.57	
CCV 280-198824/38		11/01/2013 22:28	11011338.D	3.81	13.57	

TCX = Tetrachloro-m-xylene
DCB = DCB Decachlorobiphenyl

TCX RT Limit = ± 0.03 minutes of surrogate RT
DCB RT Limit = ± 0.03 minutes of surrogate RT

Column used to flag values outside QC limits

FORM VIII 8082A

FORM X
IDENTIFICATION SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 280-198319/4-A

Instrument ID (1): SGC_W Instrument ID (2): SGC_W

Date Analyzed (1): 11/01/2013 17:03 Date Analyzed (2): 11/01/2013 17:03

GC Column (1): CLP1 ID: 0.32(mm) GC Column (2): CLP2 ID: 0.32(mm)

ANALYTE	COL	PEAK	RT	RT WINDOW		CONCENTRATION		RPD
				FROM	TO	PEAK	MEAN	
PCB-1016	1	1	5.04	5.01	5.09	62.4	57.7	13.7
		2	5.75	5.71	5.79	57.2		
		3	5.96	5.92	6.00	56.1		
		4	6.05	6.02	6.10	51.5		
		5	6.62	6.58	6.66	61.3		
	2	1	4.48	4.45	4.53	66.2	66.2	
		2	5.06	5.02	5.10	66.2		
		3	5.73	5.69	5.77	63.6		
		4	5.94	5.90	5.98	70.7		
		5	6.26	6.22	6.30	64.1		
PCB-1260	1	1	8.68	8.64	8.72	63.4	63.5	13.4
		2	9.65	9.61	9.69	58.7		
		3	10.29	10.25	10.33	67.0		
		4	10.84	10.80	10.88	66.4		
		5	11.34	11.30	11.38	62.3		
	2	1	8.80	8.76	8.84	65.6	72.6	
		2	9.16	9.13	9.21	68.1		
		3	9.94	9.90	9.98	78.6		
		4	10.45	10.42	10.50	75.7		
		5	10.90	10.87	10.95	75.2		

FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: AOI474BF | Lab Sample ID: 280-48486-1

Matrix: Solid | Lab File ID: 11011336.D

Analysis Method: 8082A | Date Collected: 10/25/2013 11:00

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.1(g) | Date Analyzed: 11/01/2013 21:42

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

% Moisture: 10.1 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 198824 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	11	U	37	11	5.6
11104-28-2	PCB-1221	22	U	37	22	17
11141-16-5	PCB-1232	17	U	37	17	5.7
53469-21-9	PCB-1242	11	U	37	11	10
12672-29-6	PCB-1248	11	U	37	11	6.2
11097-69-1	PCB-1254	11	U	37	11	6.1
11096-82-5	PCB-1260	11	U	37	11	2.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	89		60-125
877-09-8	Tetrachloro-m-xylene	86		53-128

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011336.D		
Lims ID:	280-48486-A-1-A	Client ID:	AOI474BF
Inject. Date:	01-Nov-2013 21:42:14	Dil. Factor:	1.0000
Sample Type:	Client		
Sample ID:	280-48486-A-1-A		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	198824	Lims Sample ID:	36
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:46:52

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.997	4.000	-0.003	157667	17.1			
2	2	3.810	3.813	-0.003	128470	17.4			
						RPD = 2.00			
2 PCB-1221									
1	1		4.267						
1	2		4.470						
1	3		4.513						
2	4		4.267						
2	5		4.407						
2	6		4.533						
3 PCB-1232									
1	1		4.267						
1	2		4.513						
1	3		5.733						
1	4		5.970						
1	5		6.630						
2	6		4.267						
2	7		4.533						
2	8		5.743						
2	9		5.953						
2	10		6.883						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1		4.513						
1	2		5.037						
1	3		5.733						
1	4		5.967						
1	5		6.627						
2	6		4.533						
2	7		5.743						
2	8		5.953						
2	9		6.697						
2	10		6.883						
6 PCB-1248									
1	1		5.037						
1	2		5.733						
1	3		6.630						
1	4		7.140						
1	5		8.360						
2	6		5.083						
2	7		5.743						
2	8		6.883						
2	9		7.320						
2	10		7.360						
5 PCB-1016									
1	1		5.050						
1	2		5.753						
1	3		5.963						
1	4		6.060						
1	5		6.623						
2	6		4.487						
2	7		5.063						
2	8		5.733						
2	9		5.940						
2	10		6.263						
7 PCB-1254									
1	1		7.247						
1	2		8.183						
1	3		8.360						
1	4		9.163						
1	5		9.647						
2	6		7.360						
2	7		7.710						
2	8		8.463						
2	9		9.170						
2	10		9.783						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1		8.683						
1	2		9.653						
1	3		10.290						
1	4		10.843						
1	5		11.343						
2	6		8.800						
2	7		9.167						
2	8		9.943						
2	9		10.457						
2	10		10.907						
$ 13 DCB Decachlorobiphenyl									
1	1	13.303	13.310	-0.007	138925	17.7			
2	2	13.563	13.570	-0.007	93266	17.4			
						RPD = 1.69			

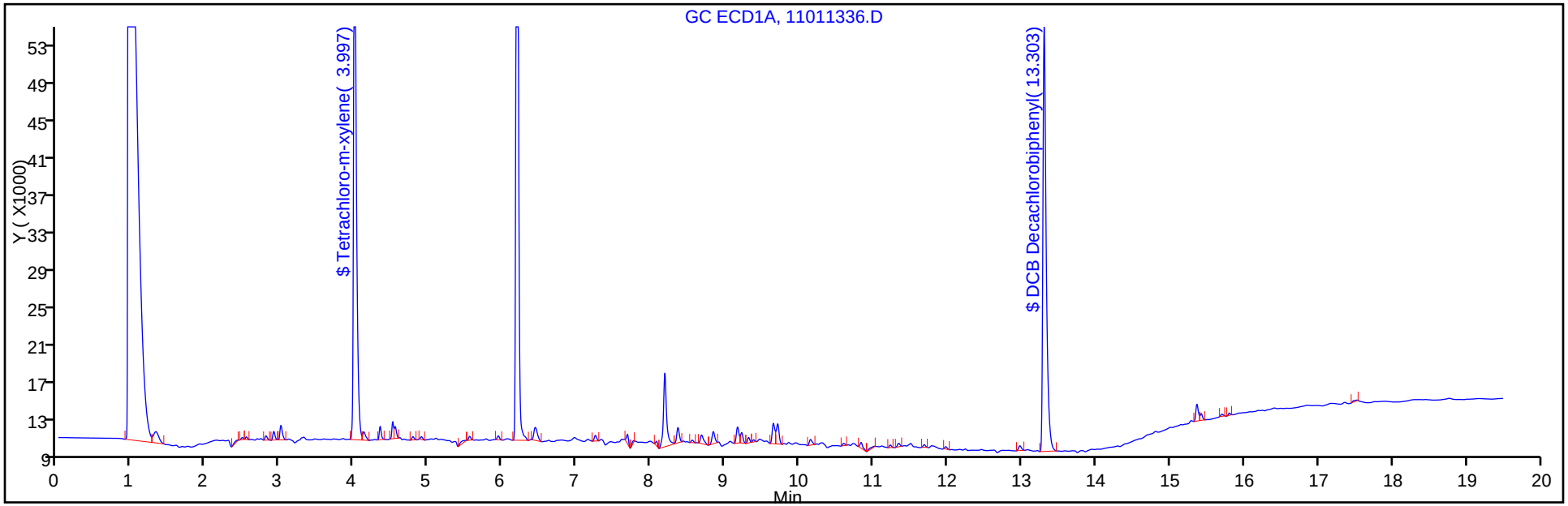
Report Date: 02-Nov-2013 08:48:40 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

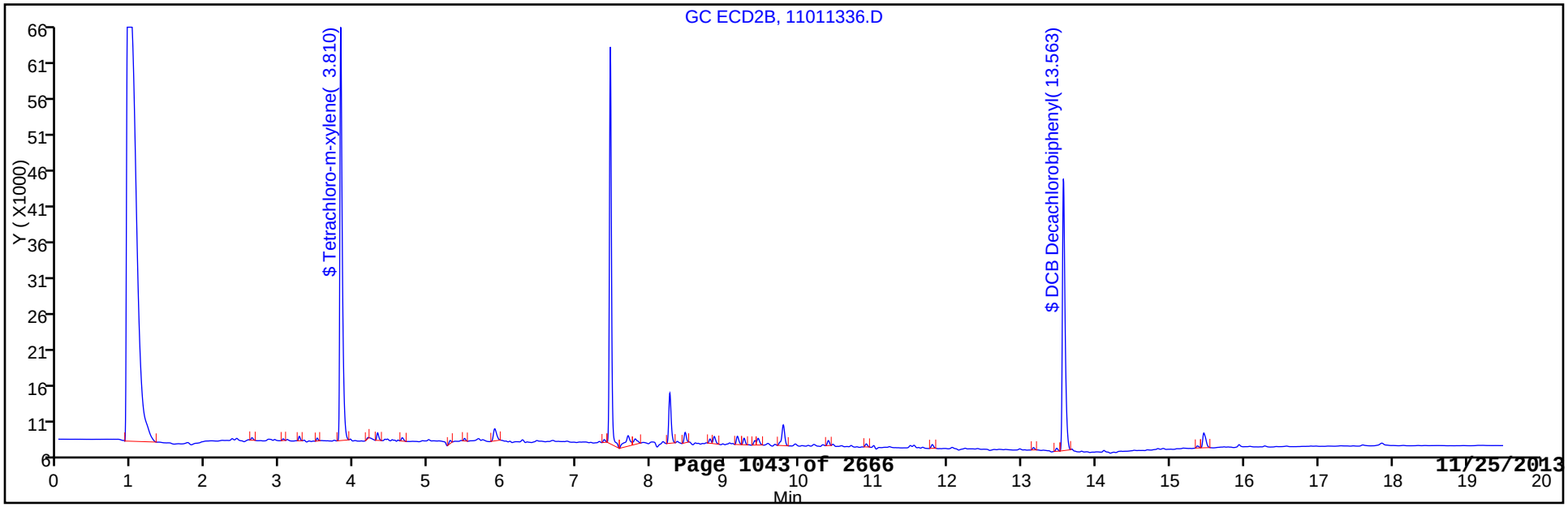
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011336.D

Injection Date:	01-Nov-2013 21:42:14	Limit Group:	GCSV - 8082
Client ID:	AOI474BF	Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16047

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1248 Peak 1	5.050	5.050	5.053	5.050	5.050	5.050	5.083				5.010 - 5.090	5.055
PCB-1248 Peak 2	5.757	5.757	5.757	5.757	5.757	5.757	5.790				5.717 - 5.797	5.762
PCB-1248 Peak 3	6.630	6.630	6.630	6.627	6.630	6.630	6.663				6.590 - 6.670	6.634
PCB-1248 Peak 4	7.183	7.183	7.183	7.180	7.180	7.180	7.213				7.140 - 7.220	7.186
PCB-1248 Peak 5	8.380	8.380	8.380	8.373	8.377	8.377	8.407				8.337 - 8.417	8.382

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16047

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1248 Peak 1	229.08 162.79	220.68 159.25	204.30 150.15	180.81	Lin1	2882.47885	154.466784							0.9960		0.9900
PCB-1248 Peak 2	472.36 369.34	457.72 371.82	427.94 356.87	397.11	Lin1	4061.37778	362.144058							0.9990		0.9900
PCB-1248 Peak 3	673.72 406.20	600.00 402.89	520.74 383.63	454.75	Lin1	9322.47750	387.381180							0.9970		0.9900
PCB-1248 Peak 4	239.28 186.65	233.58 189.52	224.99 181.36	203.54	Lin1	2164.57264	184.196258							0.9980		0.9900
PCB-1248 Peak 5	253.32 212.01	251.42 216.49	259.03 209.43	228.84	Lin1	1887.08181	211.816608							0.9980		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16047

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin1	5727 119435	11034 150151	20430	45203	81396	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 2	Lin1	11809 278864	22886 356867	42794	99277	184668	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 3	Lin1	16843 302166	30000 383631	52074	113687	203101	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 4	Lin1	5982 142140	11679 181364	22499	50886	93327	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 5	Lin1	6333 162371	12571 209427	25903	57209	106005	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251301.D		
Lims ID:	STDL71248	Client ID:	
Inject. Date:	25-Oct-2013 14:57:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL71248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	197868	Lims Sample ID:	1
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:35	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:27:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.083	5.050	0.033	150151	953.4		100.0	
1	2	5.790	5.757	0.033	356867	974.2	186.9- 266.9	237.7	
1	3	6.663	6.630	0.033	383631	966.3	209.5- 289.5	255.5	
1	4	7.213	7.180	0.033	181364	972.9	74.7- 154.7	120.8	A
1	5	8.407	8.377	0.030	209427	979.8	90.2- 170.2	139.5	
			Average of Peak Amounts =			969.3			
2	6	5.083	5.073	0.010	122411	951.4		100.0	
2	7	5.753	5.747	0.006	282197	976.4	177.5- 257.5	230.5	
2	8	6.903	6.893	0.010	248653	979.4	151.9- 231.9	203.1	
2	9	7.330	7.320	0.010	237082	979.1	145.1- 225.1	193.7	
2	10	7.400	7.390	0.010	293006	982.2	189.2- 269.2	239.4	
			Average of Peak Amounts =			973.7			
						RPD = 0.45			
S 15 Polychlorinated biphenyls, Total									
1						969.3			
2						973.7			
						RPD = 0.45			

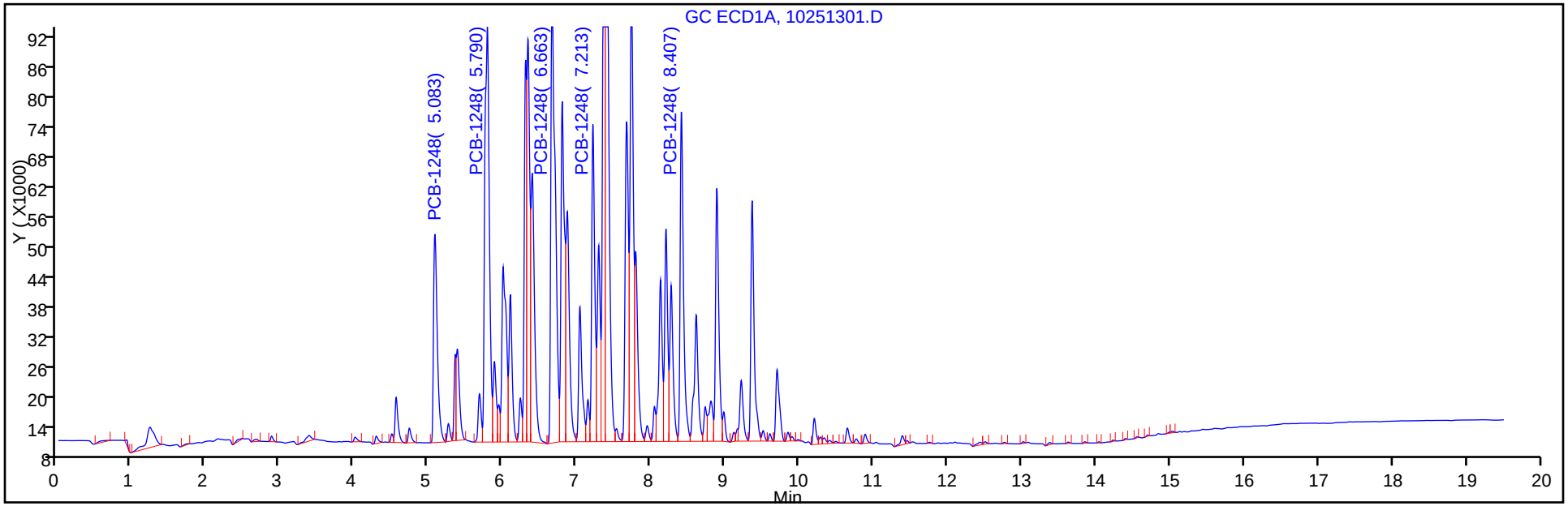
Report Date: 29-Oct-2013 12:13:35 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

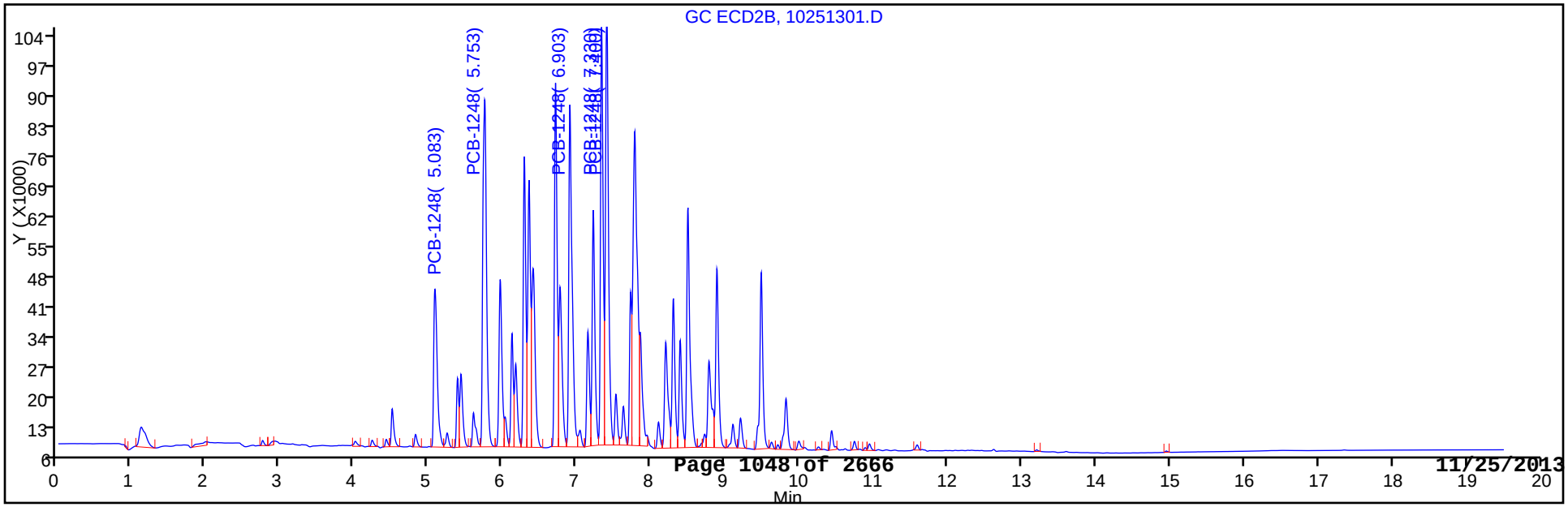
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Injection Date:	25-Oct-2013 14:57:12	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	1
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251302.D		
Lims ID:	STDL61248	Client ID:	
Inject. Date:	25-Oct-2013 15:20:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STDL61248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	197868	Lims Sample ID:	2
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:34	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	119435	754.5		100.0	
1	2	5.757	5.757	0.000	278864	758.8	186.9- 266.9	233.5	
1	3	6.630	6.630	0.000	302166	756.0	209.5- 289.5	253.0	
1	4	7.180	7.180	0.000	142140	759.9	74.7- 154.7	119.0	
1	5	8.377	8.377	0.000	162371	757.7	90.2- 170.2	135.9	
			Average of Peak Amounts =			757.4			
2	6	5.073	5.073	0.000	98079	756.8		100.0	
2	7	5.747	5.747	0.000	219730	756.3	177.5- 257.5	224.0	
2	8	6.893	6.893	0.000	193066	756.7	151.9- 231.9	196.8	
2	9	7.320	7.320	0.000	185233	760.7	145.1- 225.1	188.9	
2	10	7.390	7.390	0.000	227181	756.2	189.2- 269.2	231.6	
			Average of Peak Amounts =			757.3			
						RPD = 0.01			
S 15 Polychlorinated biphenyls, Total									
1						757.4			
2						757.3			
						RPD = 0.01			

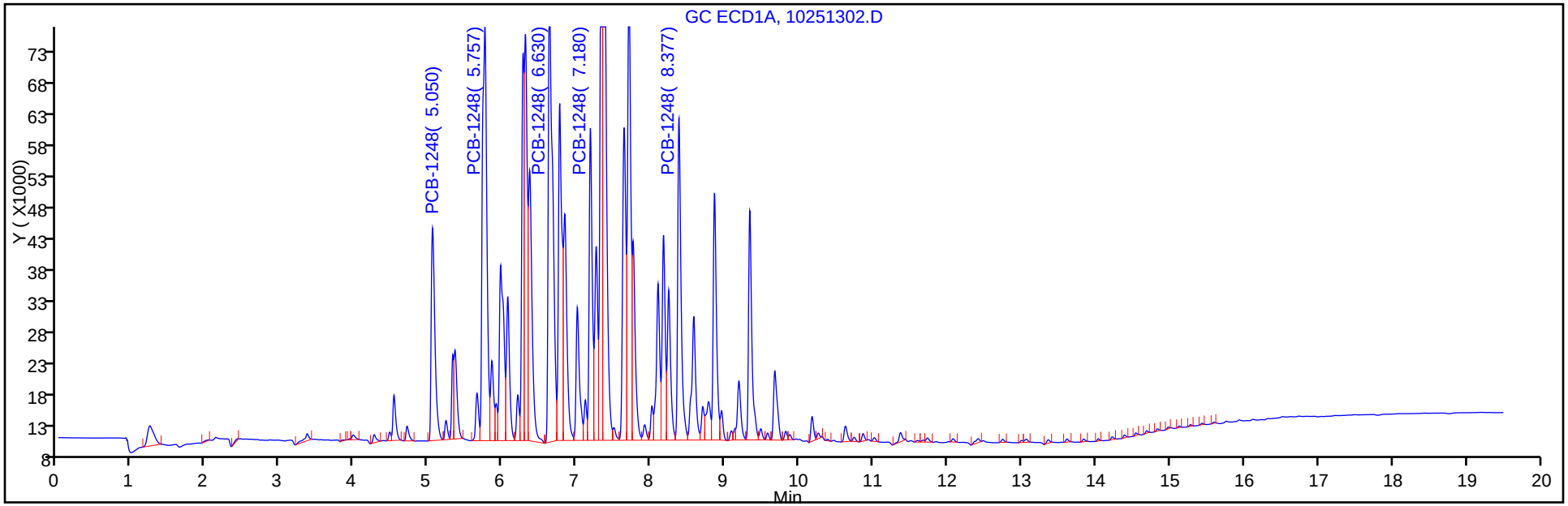
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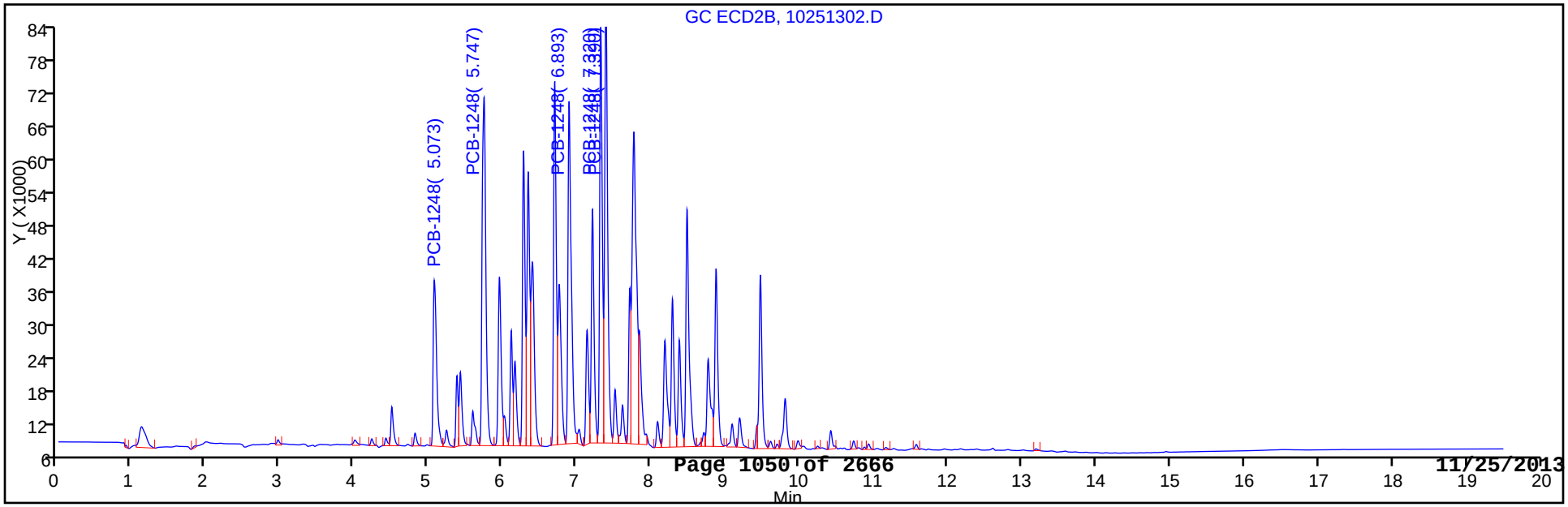
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Injection Date:	25-Oct-2013 15:20:15	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	2
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D		
Lims ID:	STDL51248	Client ID:	
Inject. Date:	25-Oct-2013 15:43:29	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	197868	Lims Sample ID:	3
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:33	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:14:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	81396	508.3		100.0	
1	2	5.757	5.757	0.000	184668	498.7	186.9- 266.9	226.9	
1	3	6.630	6.630	0.000	203101	500.2	209.5- 289.5	249.5	
1	4	7.180	7.180	0.000	93327	494.9	74.7- 154.7	114.7	
1	5	8.377	8.377	0.000	106005	491.5	90.2- 170.2	130.2	
			Average of Peak Amounts =			498.7			
2	6	5.073	5.073	0.000	66811	506.7		100.0	
2	7	5.747	5.747	0.000	145297	494.1	177.5- 257.5	217.5	
2	8	6.893	6.893	0.000	128242	496.9	151.9- 231.9	191.9	
2	9	7.320	7.320	0.000	123683	501.4	145.1- 225.1	185.1	
2	10	7.390	7.390	0.000	153142	501.9	189.2- 269.2	229.2	
			Average of Peak Amounts =			500.2			
						RPD = 0.30			
S 15 Polychlorinated biphenyls, Total									
1						498.7			
2						500.2			
						RPD = 0.30			

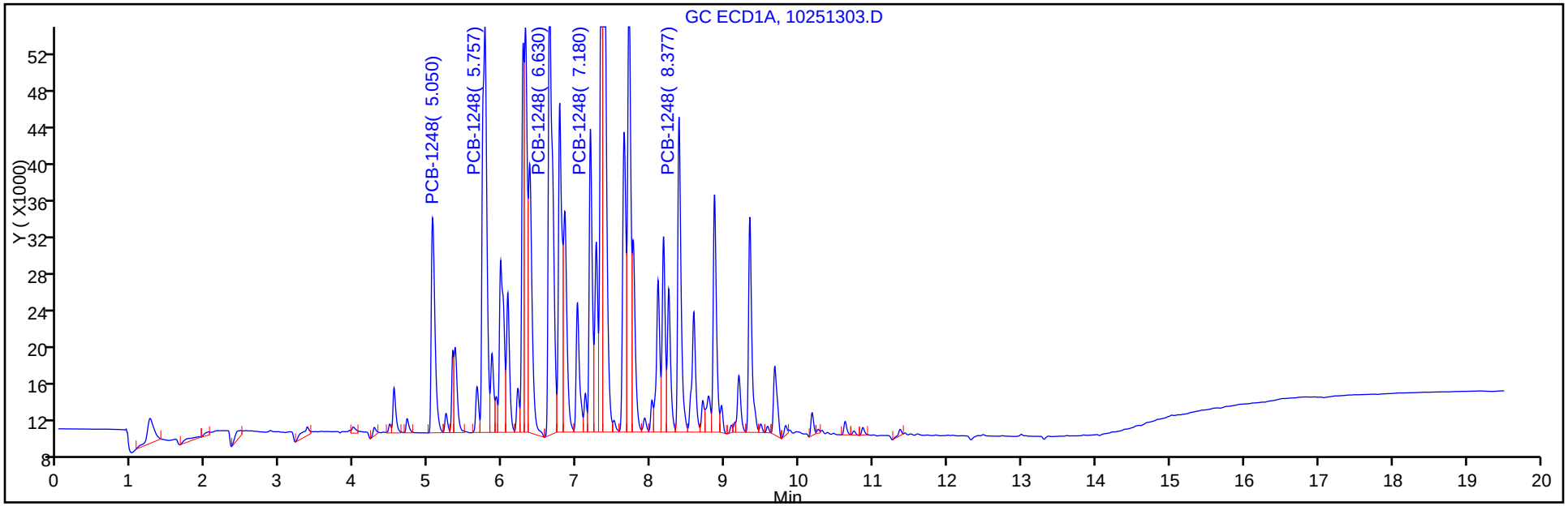
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TestAmerica Denver

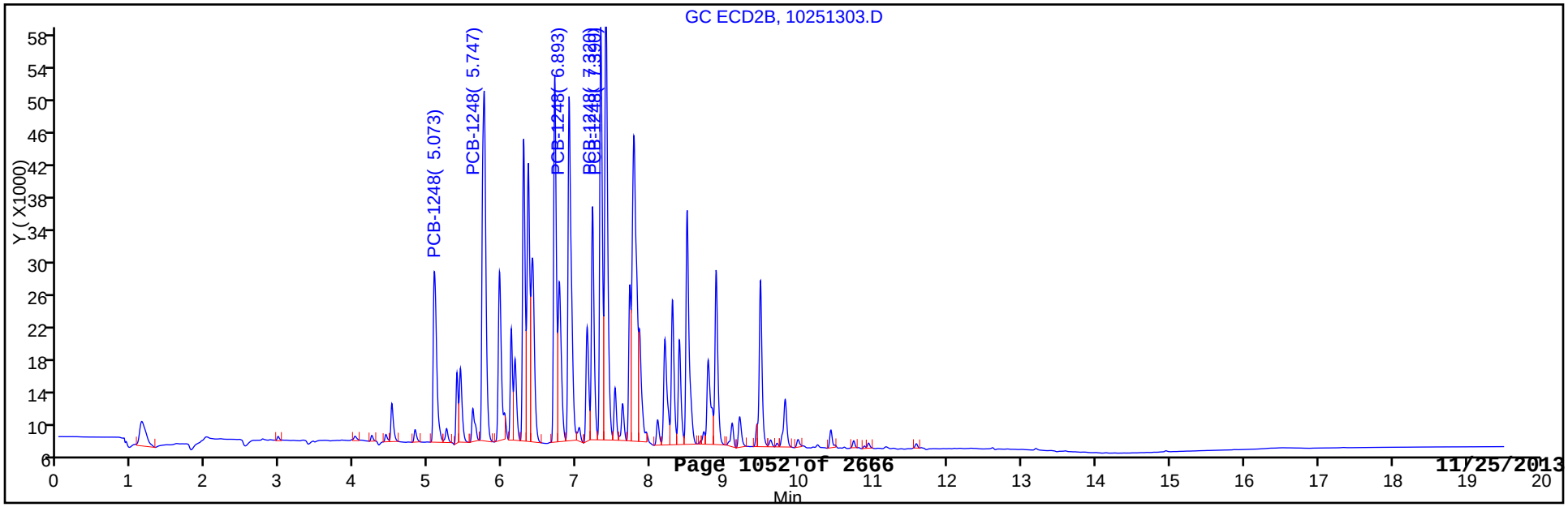
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D

Injection Date:	25-Oct-2013 15:43:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251304.D		
Lims ID:	STDL41248	Client ID:	
Inject. Date:	25-Oct-2013 16:06:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL41248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	197868	Lims Sample ID:	4
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:32	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	45203	274.0		100.0	
1	2	5.757	5.757	0.000	99277	262.9	186.9- 266.9	219.6	
1	3	6.627	6.630	-0.003	113687	269.4	209.5- 289.5	251.5	
1	4	7.180	7.180	0.000	50886	264.5	74.7- 154.7	112.6	
1	5	8.373	8.377	-0.004	57209	261.2	90.2- 170.2	126.6	
			Average of Peak Amounts =			266.4			
2	6	5.073	5.073	0.000	37821	274.8		100.0	
2	7	5.747	5.747	0.000	80457	265.7	177.5- 257.5	212.7	
2	8	6.893	6.893	0.000	68903	259.2	151.9- 231.9	182.2	
2	9	7.320	7.320	0.000	63051	246.0	145.1- 225.1	166.7	
2	10	7.390	7.390	0.000	79167	247.9	189.2- 269.2	209.3	
			Average of Peak Amounts =			258.7			
						RPD = 2.92			
S 15 Polychlorinated biphenyls, Total									
1						266.4			
2						258.7			
						RPD = 2.92			

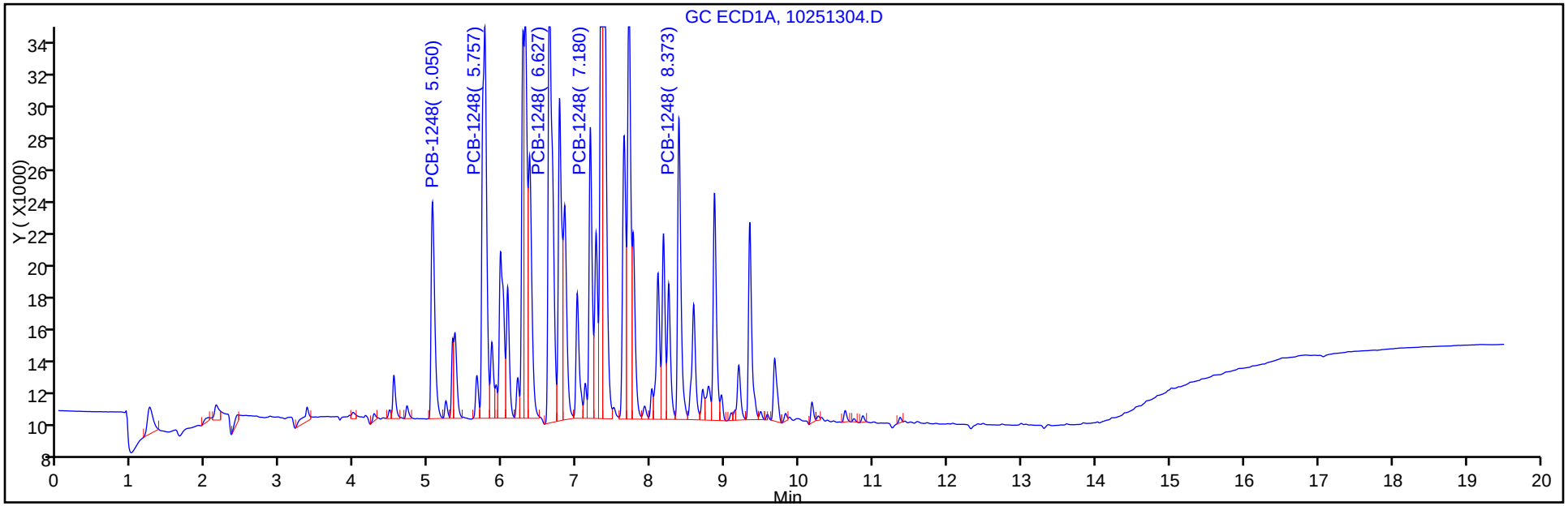
Report Date: 29-Oct-2013 12:13:32 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

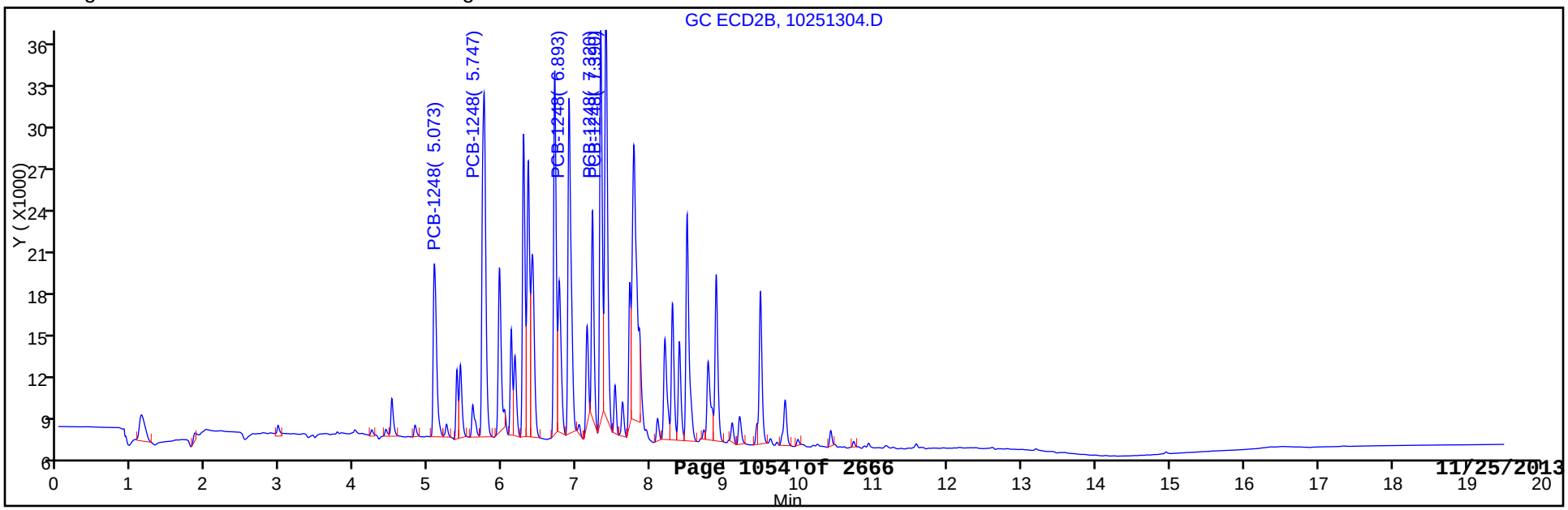
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251304.D

Injection Date:	25-Oct-2013 16:06:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	4
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251305.D		
Lims ID:	STDL31248	Client ID:	
Inject. Date:	25-Oct-2013 16:29:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	197868	Lims Sample ID:	5
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:31	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.053	5.050	0.003	20430	113.6		100.0	
1	2	5.757	5.757	0.000	42794	107.0	186.9- 266.9	209.5	
1	3	6.630	6.630	0.000	52074	110.4	209.5- 289.5	254.9	
1	4	7.183	7.180	0.003	22499	110.4	74.7- 154.7	110.1	
1	5	8.380	8.377	0.003	25903	113.4	90.2- 170.2	126.8	
			Average of Peak Amounts =			110.9			
2	6	5.077	5.073	0.004	17722	114.0		100.0	
2	7	5.747	5.747	0.000	36032	109.2	177.5- 257.5	203.3	
2	8	6.893	6.893	0.000	31501	109.3	151.9- 231.9	177.8	
2	9	7.323	7.320	0.003	31813	114.5	145.1- 225.1	179.5	
2	10	7.393	7.390	0.003	39991	113.3	189.2- 269.2	225.7	
			Average of Peak Amounts =			112.1			
						RPD = 1.02			
S 15 Polychlorinated biphenyls, Total									
1						110.9			
2						112.1			
						RPD = 1.02			

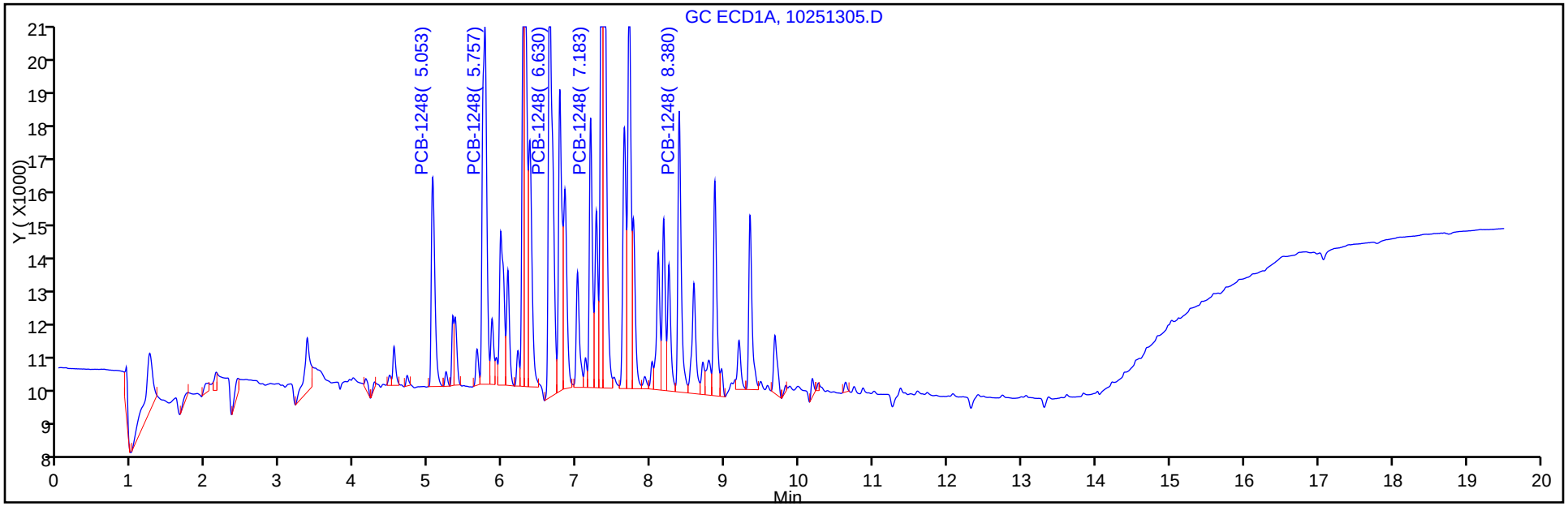
Report Date: 29-Oct-2013 12:13:32 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

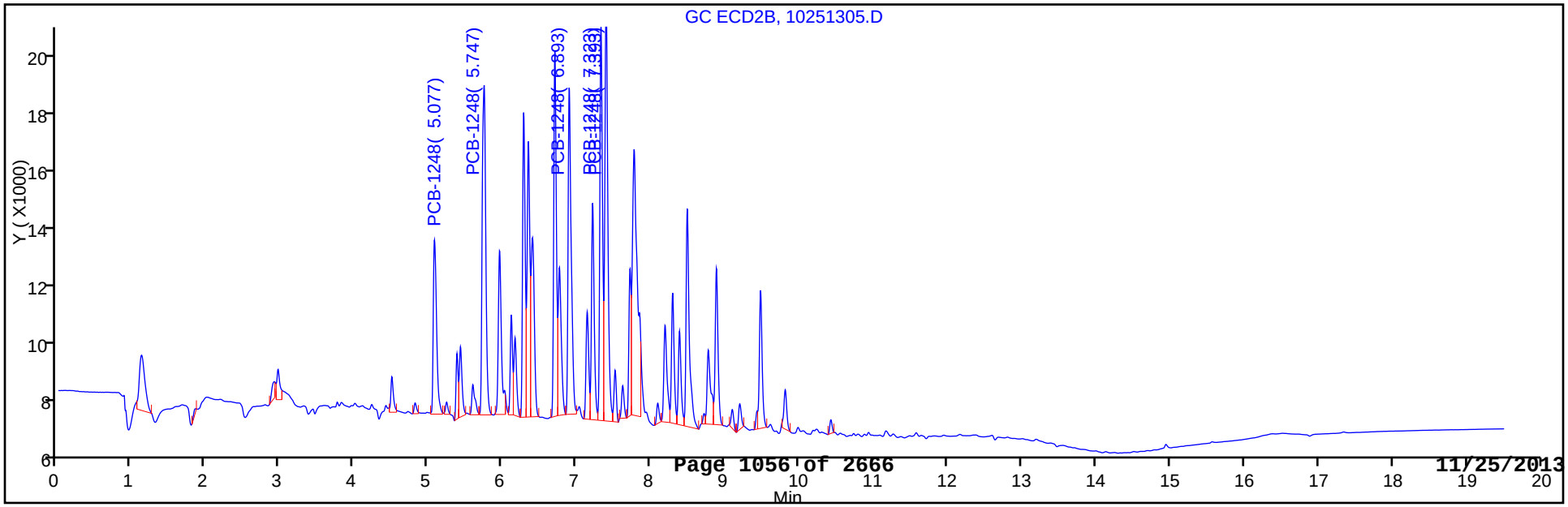
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251305.D

Injection Date:	25-Oct-2013 16:29:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	5
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251306.D		
Lims ID:	STDL21248	Client ID:	
Inject. Date:	25-Oct-2013 16:53:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STDL21248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	197868	Lims Sample ID:	6
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:30	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	11034	52.8		100.0	
1	2	5.757	5.757	0.000	22886	52.0	186.9- 266.9	207.4	
1	3	6.630	6.630	0.000	30000	53.4	209.5- 289.5	271.9	
1	4	7.183	7.180	0.003	11679	51.7	74.7- 154.7	105.8	
1	5	8.380	8.377	0.003	12571	50.4	90.2- 170.2	113.9	
			Average of Peak Amounts =			52.0			
2	6	5.077	5.073	0.004	10159	53.5		100.0	
2	7	5.743	5.747	-0.004	20016	52.8	177.5- 257.5	197.0	
2	8	6.893	6.893	0.000	17321	52.5	151.9- 231.9	170.5	
2	9	7.323	7.320	0.003	17193	52.9	145.1- 225.1	169.2	
2	10	7.393	7.390	0.003	22416	53.0	189.2- 269.2	220.7	
			Average of Peak Amounts =			52.9			
						RPD = 1.71			
S 15 Polychlorinated biphenyls, Total									
1						52.0			
2						52.9			
						RPD = 1.71			

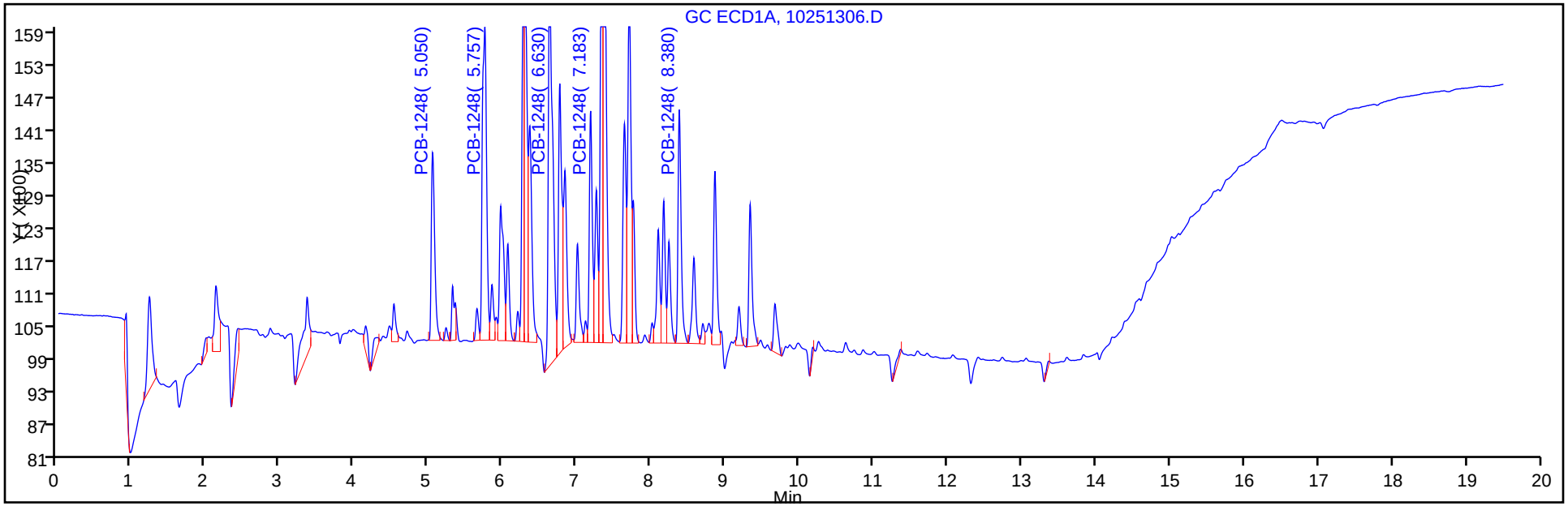
Report Date: 29-Oct-2013 12:13:31 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

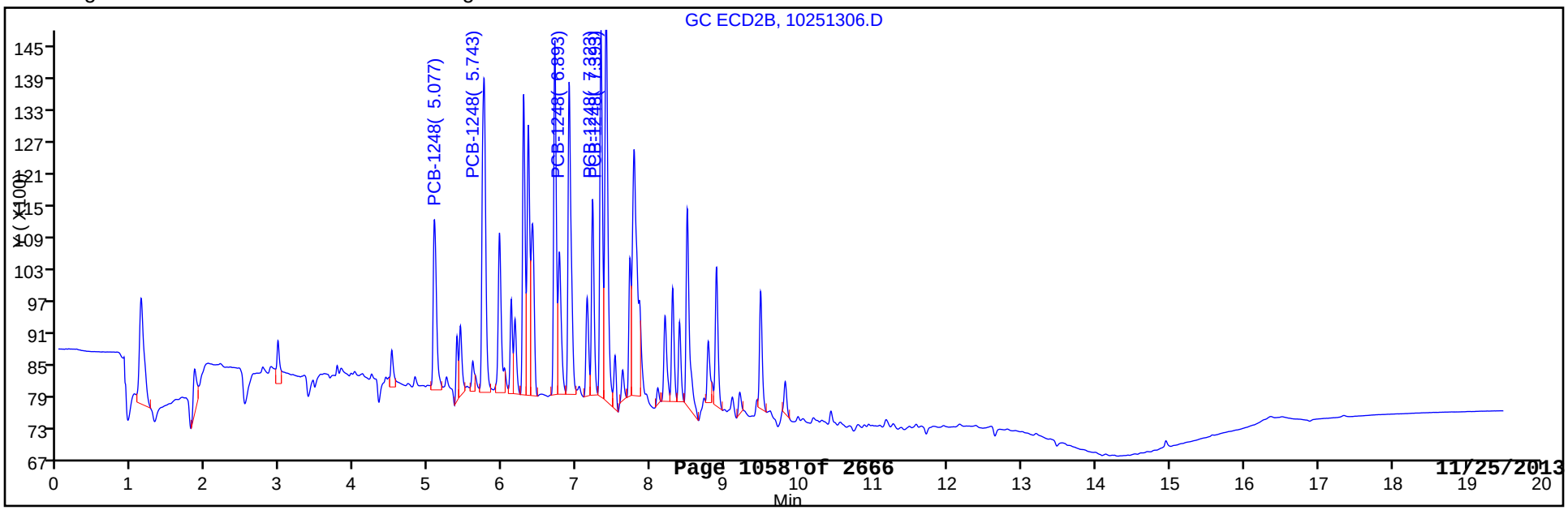
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Injection Date:	25-Oct-2013 16:53:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	6
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251307.D		
Lims ID:	STDL11248	Client ID:	
Inject. Date:	25-Oct-2013 17:16:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	197868	Lims Sample ID:	7
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:29	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	5727	18.4		100.0	
1	2	5.757	5.757	0.000	11809	21.4	186.9- 266.9	206.2	
1	3	6.630	6.630	0.000	16843	19.4	209.5- 289.5	294.1	
1	4	7.183	7.180	0.003	5982	20.7	74.7- 154.7	104.5	
1	5	8.380	8.377	0.003	6333	21.0	90.2- 170.2	110.6	
			Average of Peak Amounts =			20.2			
2	6	5.077	5.073	0.004	5708	17.9		100.0	
2	7	5.747	5.747	0.000	10809	20.4	177.5- 257.5	189.4	
2	8	6.897	6.893	0.004	9433	20.9	151.9- 231.9	165.3	
2	9	7.327	7.320	0.007	9491	20.4	145.1- 225.1	166.3	
2	10	7.397	7.390	0.007	12967	20.5	189.2- 269.2	227.2	
			Average of Peak Amounts =			20.0			
						RPD = 0.74			
S 15 Polychlorinated biphenyls, Total									
1						20.2			
2						20.0			
						RPD = 0.74			

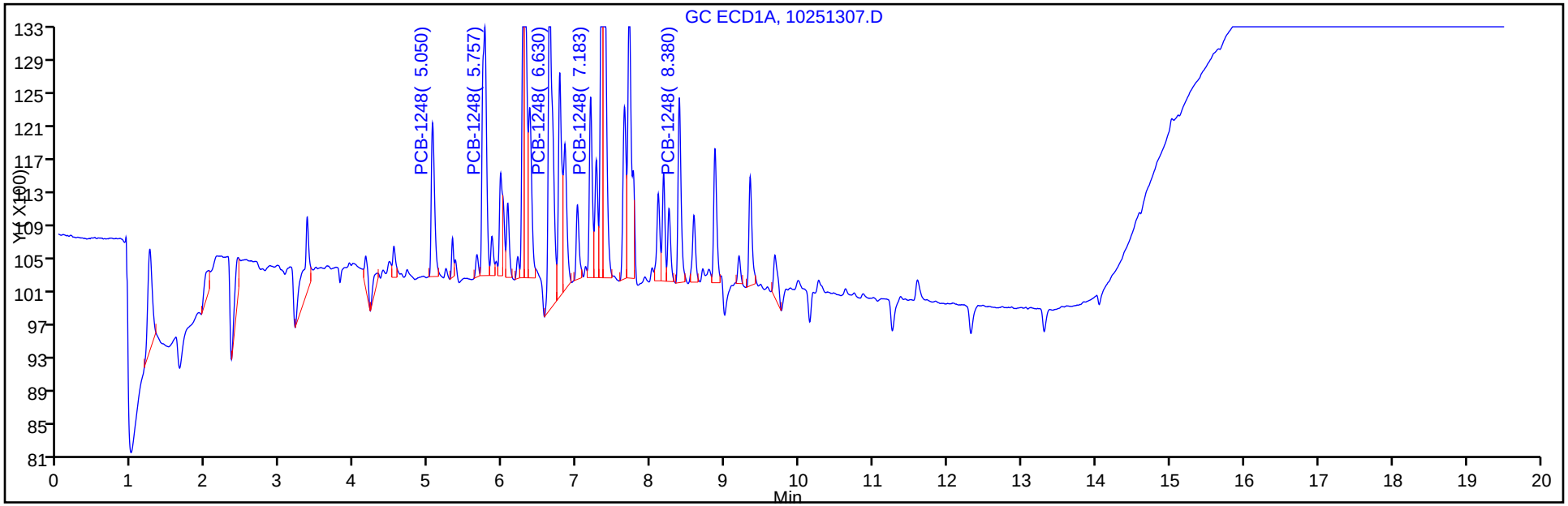
Report Date: 29-Oct-2013 12:13:29 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

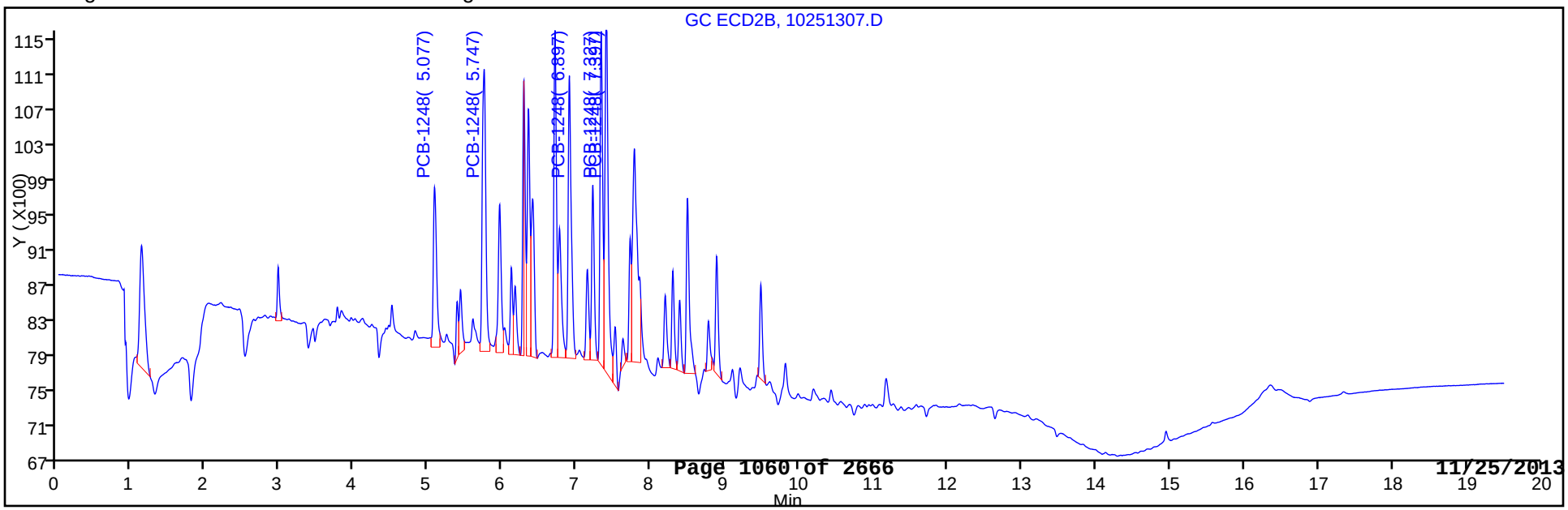
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251307.D

Injection Date:	25-Oct-2013 17:16:05	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	7
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1248 Peak 1	5.077	5.077	5.077	5.073	5.073	5.073	5.083				5.033 - 5.113	5.076
PCB-1248 Peak 2	5.747	5.743	5.747	5.747	5.747	5.747	5.753				5.707 - 5.787	5.747
PCB-1248 Peak 3	6.897	6.893	6.893	6.893	6.893	6.893	6.903				6.853 - 6.933	6.895
PCB-1248 Peak 4	7.327	7.323	7.323	7.320	7.320	7.320	7.330				7.280 - 7.360	7.323
PCB-1248 Peak 5	7.397	7.393	7.393	7.390	7.390	7.390	7.400				7.350 - 7.430	7.393

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1248 Peak 1	228.32 133.62	203.18 130.77	177.22 122.41	151.28	Lin1	3467.86655	125.022779							0.9960		0.9900
PCB-1248 Peak 2	432.36 290.59	400.32 292.97	360.32 282.20	321.83	Lin1	5022.48736	283.880594							0.9980		0.9900
PCB-1248 Peak 3	377.32 256.48	346.42 257.42	315.01 248.65	275.61	Lin1	4210.30195	249.587621							0.9990		0.9900
PCB-1248 Peak 4	379.64 247.37	343.86 246.98	318.13 237.08	252.20	Lin1	4638.96216	237.410566							0.9980		0.9900
PCB-1248 Peak 5	518.68 306.28	448.32 302.91	399.91 293.01	316.67	Lin1	6987.97280	291.197828							0.9980		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 14:57 Calibration End Date: 10/25/2013 17:16 Calibration ID: 16048

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11248 280-197868/7	10251307.D
Level 2	STDL21248 280-197868/6	10251306.D
Level 3	STDL31248 280-197868/5	10251305.D
Level 4	STDL41248 280-197868/4	10251304.D
Level 5	STDL51248 280-197868/3	10251303.D
Level 6	STDL61248 280-197868/2	10251302.D
Level 7	STDL71248 280-197868/1	10251301.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1248 Peak 1	Lin1	5708 98079	10159 122411	17722	37821	66811	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 2	Lin1	10809 219730	20016 282197	36032	80457	145297	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 3	Lin1	9433 193066	17321 248653	31501	68903	128242	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 4	Lin1	9491 185233	17193 237082	31813	63051	123683	25.0 750	50.0 1000	100	250	500
PCB-1248 Peak 5	Lin1	12967 227181	22416 293006	39991	79167	153142	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251301.D		
Lims ID:	STDL71248	Client ID:	
Inject. Date:	25-Oct-2013 14:57:12	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL71248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	1
Lims Batch ID:	197868	Lims Sample ID:	1
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:35	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:27:08

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.083	5.050	0.033	150151	953.4		100.0	
1	2	5.790	5.757	0.033	356867	974.2	186.9- 266.9	237.7	
1	3	6.663	6.630	0.033	383631	966.3	209.5- 289.5	255.5	
1	4	7.213	7.180	0.033	181364	972.9	74.7- 154.7	120.8	A
1	5	8.407	8.377	0.030	209427	979.8	90.2- 170.2	139.5	
			Average of Peak Amounts =			969.3			
2	6	5.083	5.073	0.010	122411	951.4		100.0	
2	7	5.753	5.747	0.006	282197	976.4	177.5- 257.5	230.5	
2	8	6.903	6.893	0.010	248653	979.4	151.9- 231.9	203.1	
2	9	7.330	7.320	0.010	237082	979.1	145.1- 225.1	193.7	
2	10	7.400	7.390	0.010	293006	982.2	189.2- 269.2	239.4	
			Average of Peak Amounts =			973.7			
						RPD = 0.45			
S 15 Polychlorinated biphenyls, Total									
1						969.3			
2						973.7			
						RPD = 0.45			

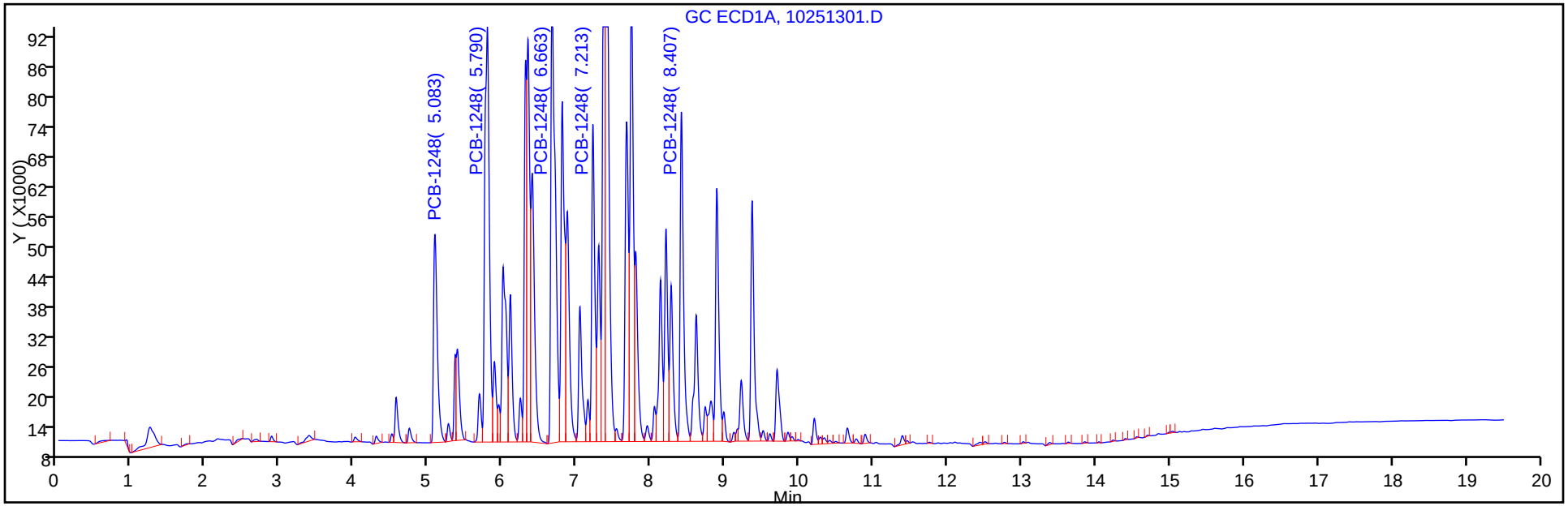
Report Date: 29-Oct-2013 12:13:35 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

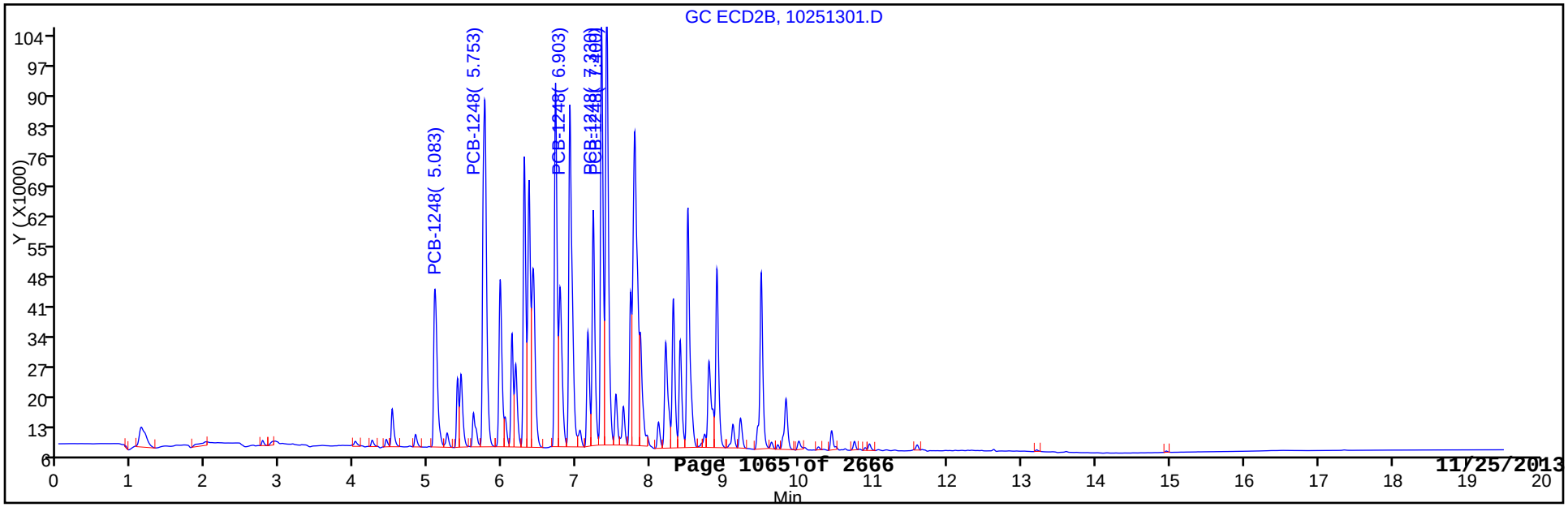
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Injection Date:	25-Oct-2013 14:57:12	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	1
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251302.D		
Lims ID:	STDL61248	Client ID:	
Inject. Date:	25-Oct-2013 15:20:15	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STDL61248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	2
Lims Batch ID:	197868	Lims Sample ID:	2
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:34	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	119435	754.5		100.0	
1	2	5.757	5.757	0.000	278864	758.8	186.9- 266.9	233.5	
1	3	6.630	6.630	0.000	302166	756.0	209.5- 289.5	253.0	
1	4	7.180	7.180	0.000	142140	759.9	74.7- 154.7	119.0	
1	5	8.377	8.377	0.000	162371	757.7	90.2- 170.2	135.9	
			Average of Peak Amounts =			757.4			
2	6	5.073	5.073	0.000	98079	756.8		100.0	
2	7	5.747	5.747	0.000	219730	756.3	177.5- 257.5	224.0	
2	8	6.893	6.893	0.000	193066	756.7	151.9- 231.9	196.8	
2	9	7.320	7.320	0.000	185233	760.7	145.1- 225.1	188.9	
2	10	7.390	7.390	0.000	227181	756.2	189.2- 269.2	231.6	
			Average of Peak Amounts =			757.3			
						RPD = 0.01			
S 15 Polychlorinated biphenyls, Total									
1						757.4			
2						757.3			
						RPD = 0.01			

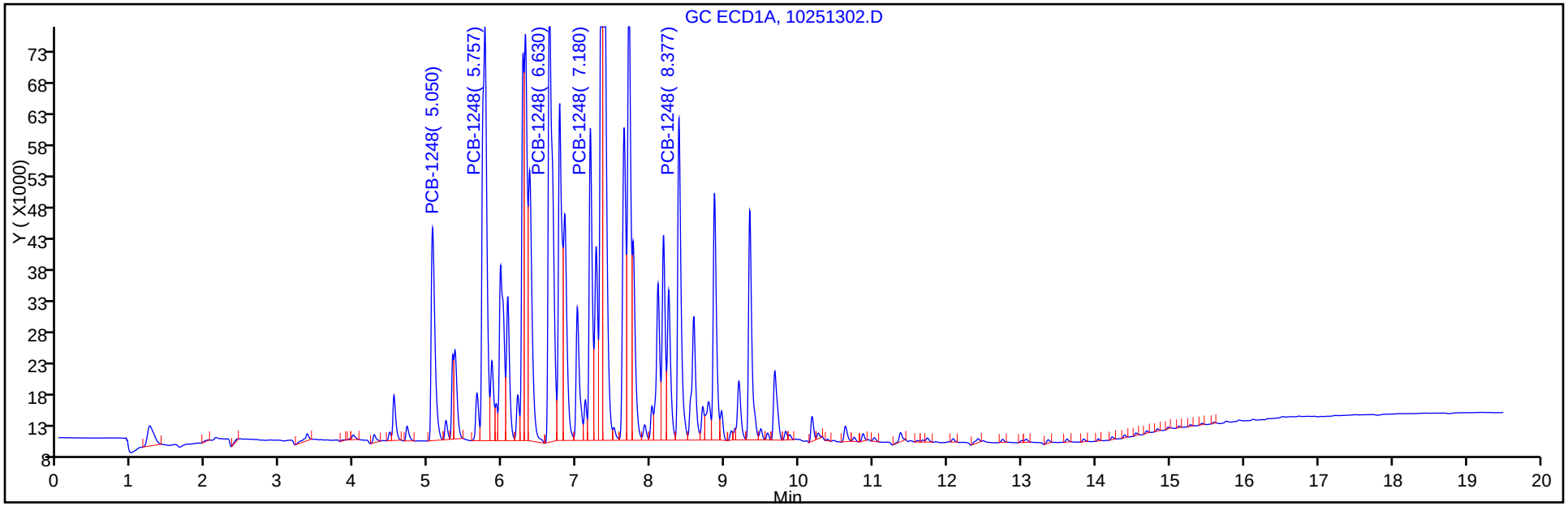
Report Date: 29-Oct-2013 12:13:34 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

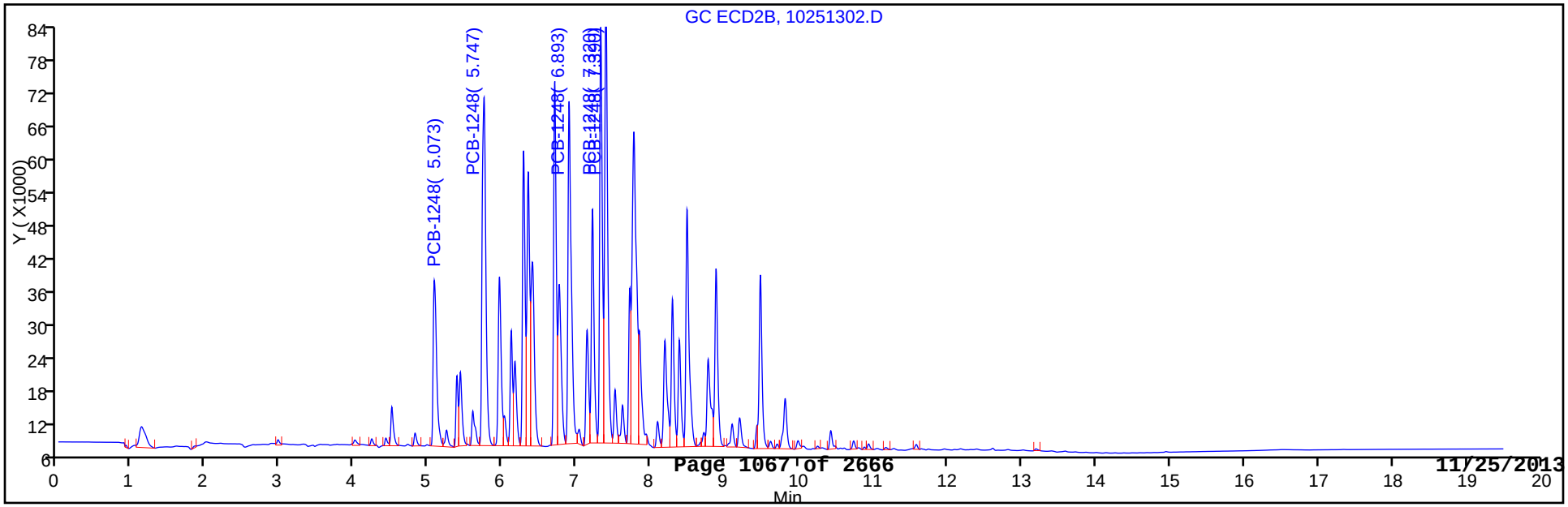
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251302.D

Injection Date:	25-Oct-2013 15:20:15	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	2
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D		
Lims ID:	STDL51248	Client ID:	
Inject. Date:	25-Oct-2013 15:43:29	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	3
Lims Batch ID:	197868	Lims Sample ID:	3
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:33	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:14:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	81396	508.3		100.0	
1	2	5.757	5.757	0.000	184668	498.7	186.9- 266.9	226.9	
1	3	6.630	6.630	0.000	203101	500.2	209.5- 289.5	249.5	
1	4	7.180	7.180	0.000	93327	494.9	74.7- 154.7	114.7	
1	5	8.377	8.377	0.000	106005	491.5	90.2- 170.2	130.2	
			Average of Peak Amounts =			498.7			
2	6	5.073	5.073	0.000	66811	506.7		100.0	
2	7	5.747	5.747	0.000	145297	494.1	177.5- 257.5	217.5	
2	8	6.893	6.893	0.000	128242	496.9	151.9- 231.9	191.9	
2	9	7.320	7.320	0.000	123683	501.4	145.1- 225.1	185.1	
2	10	7.390	7.390	0.000	153142	501.9	189.2- 269.2	229.2	
			Average of Peak Amounts =			500.2			
						RPD = 0.30			
S 15 Polychlorinated biphenyls, Total									
1						498.7			
2						500.2			
						RPD = 0.30			

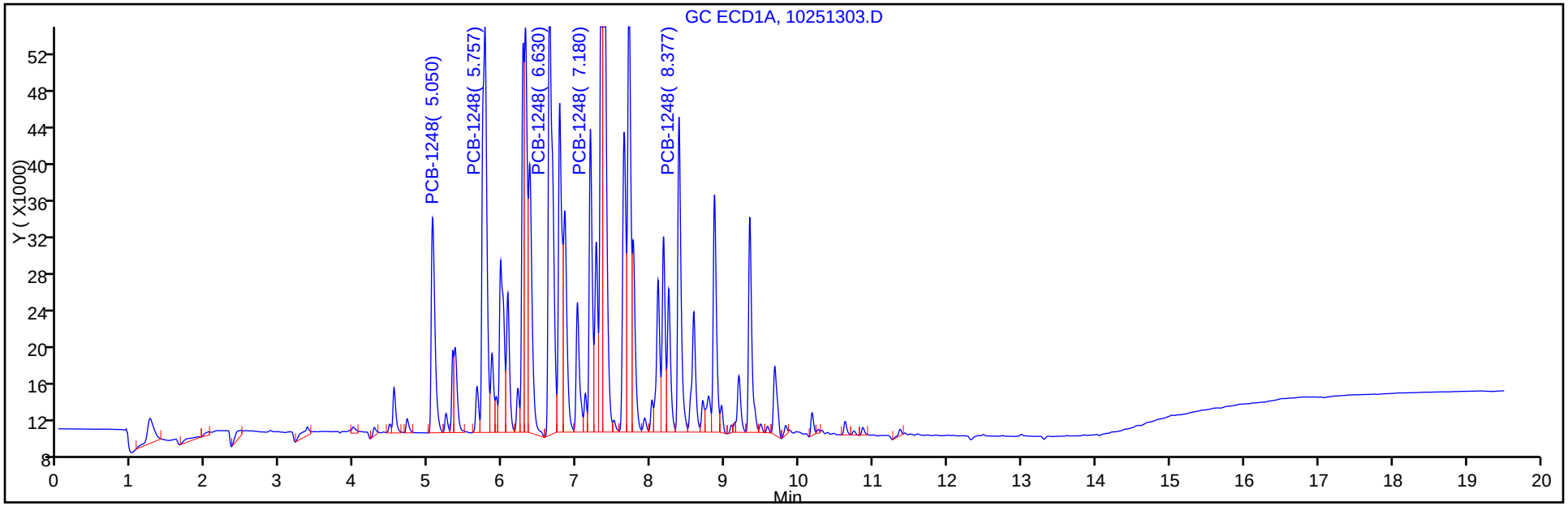
Report Date: 29-Oct-2013 12:13:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

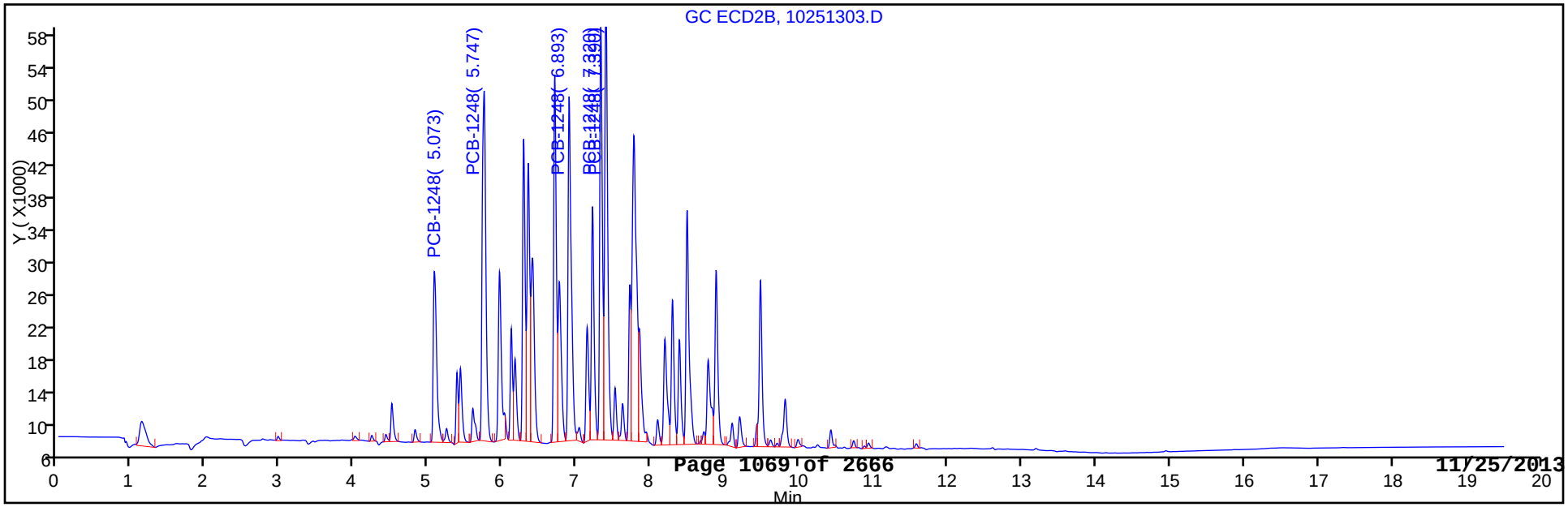
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251303.D

Injection Date:	25-Oct-2013 15:43:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251304.D		
Lims ID:	STDL41248	Client ID:	
Inject. Date:	25-Oct-2013 16:06:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL41248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	4
Lims Batch ID:	197868	Lims Sample ID:	4
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:32	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	45203	274.0		100.0	
1	2	5.757	5.757	0.000	99277	262.9	186.9- 266.9	219.6	
1	3	6.627	6.630	-0.003	113687	269.4	209.5- 289.5	251.5	
1	4	7.180	7.180	0.000	50886	264.5	74.7- 154.7	112.6	
1	5	8.373	8.377	-0.004	57209	261.2	90.2- 170.2	126.6	
			Average of Peak Amounts =			266.4			
2	6	5.073	5.073	0.000	37821	274.8		100.0	
2	7	5.747	5.747	0.000	80457	265.7	177.5- 257.5	212.7	
2	8	6.893	6.893	0.000	68903	259.2	151.9- 231.9	182.2	
2	9	7.320	7.320	0.000	63051	246.0	145.1- 225.1	166.7	
2	10	7.390	7.390	0.000	79167	247.9	189.2- 269.2	209.3	
			Average of Peak Amounts =			258.7			
						RPD = 2.92			
S 15 Polychlorinated biphenyls, Total									
1						266.4			
2						258.7			
						RPD = 2.92			

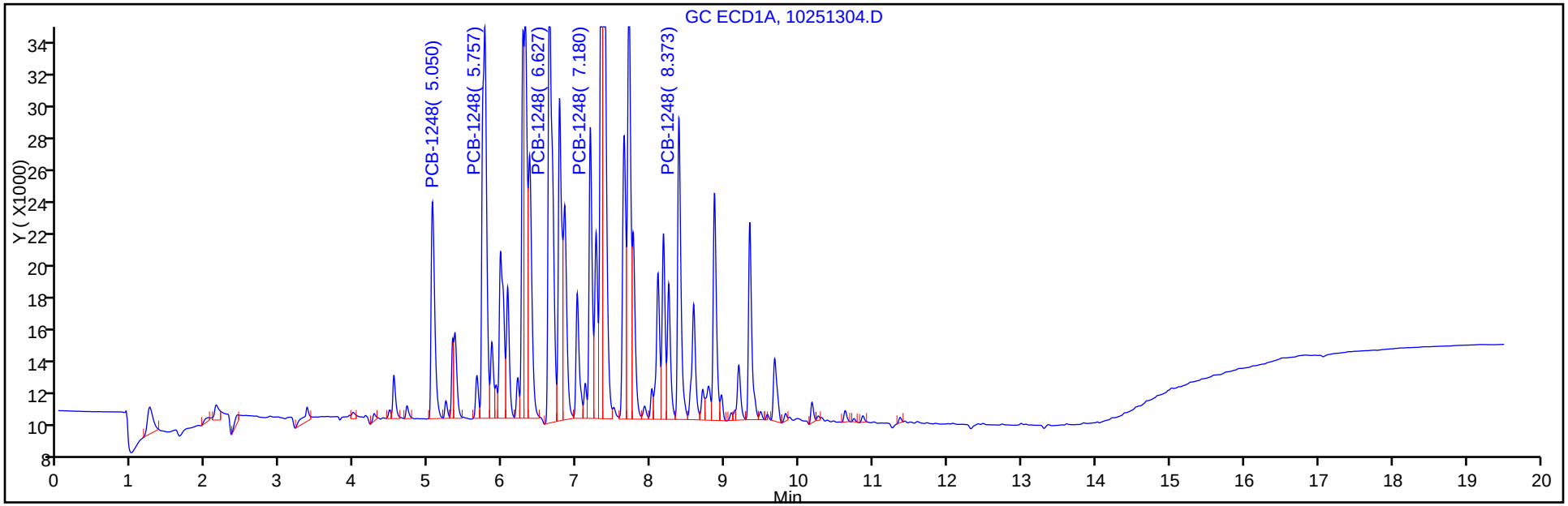
Report Date: 29-Oct-2013 12:13:33 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

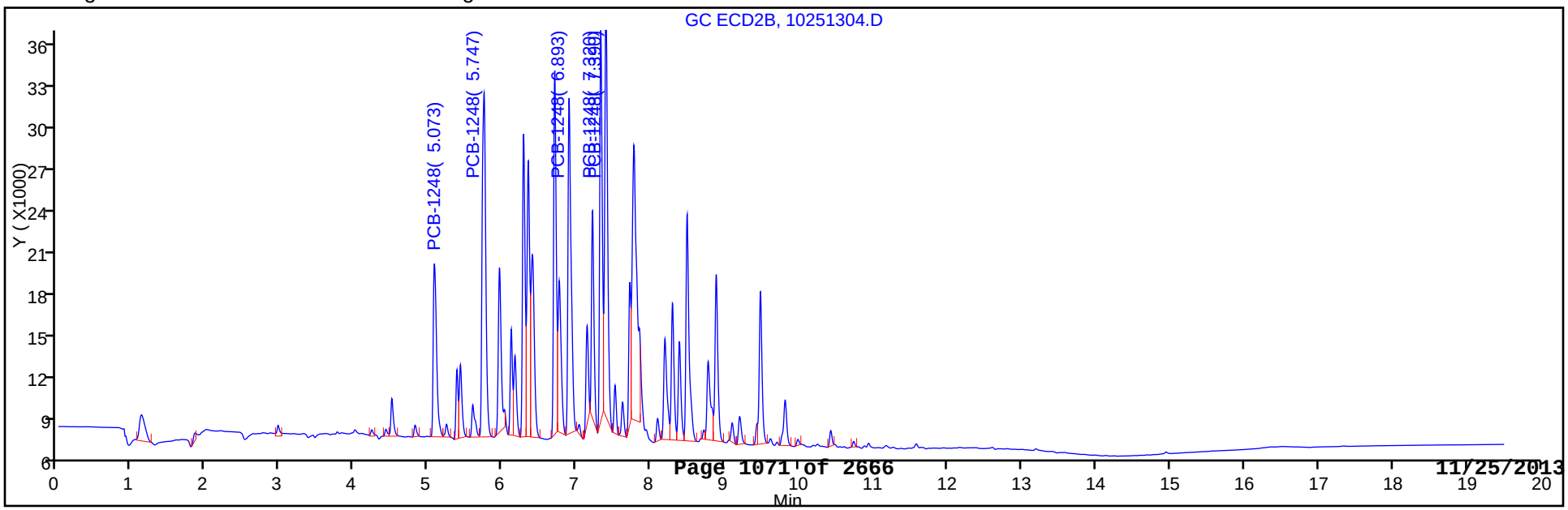
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251304.D

Injection Date:	25-Oct-2013 16:06:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	4
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251305.D		
Lims ID:	STDL31248	Client ID:	
Inject. Date:	25-Oct-2013 16:29:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	5
Lims Batch ID:	197868	Lims Sample ID:	5
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:31	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.053	5.050	0.003	20430	113.6		100.0	
1	2	5.757	5.757	0.000	42794	107.0	186.9- 266.9	209.5	
1	3	6.630	6.630	0.000	52074	110.4	209.5- 289.5	254.9	
1	4	7.183	7.180	0.003	22499	110.4	74.7- 154.7	110.1	
1	5	8.380	8.377	0.003	25903	113.4	90.2- 170.2	126.8	
			Average of Peak Amounts =			110.9			
2	6	5.077	5.073	0.004	17722	114.0		100.0	
2	7	5.747	5.747	0.000	36032	109.2	177.5- 257.5	203.3	
2	8	6.893	6.893	0.000	31501	109.3	151.9- 231.9	177.8	
2	9	7.323	7.320	0.003	31813	114.5	145.1- 225.1	179.5	
2	10	7.393	7.390	0.003	39991	113.3	189.2- 269.2	225.7	
			Average of Peak Amounts =			112.1			
						RPD = 1.02			
S 15 Polychlorinated biphenyls, Total									
1						110.9			
2						112.1			
						RPD = 1.02			

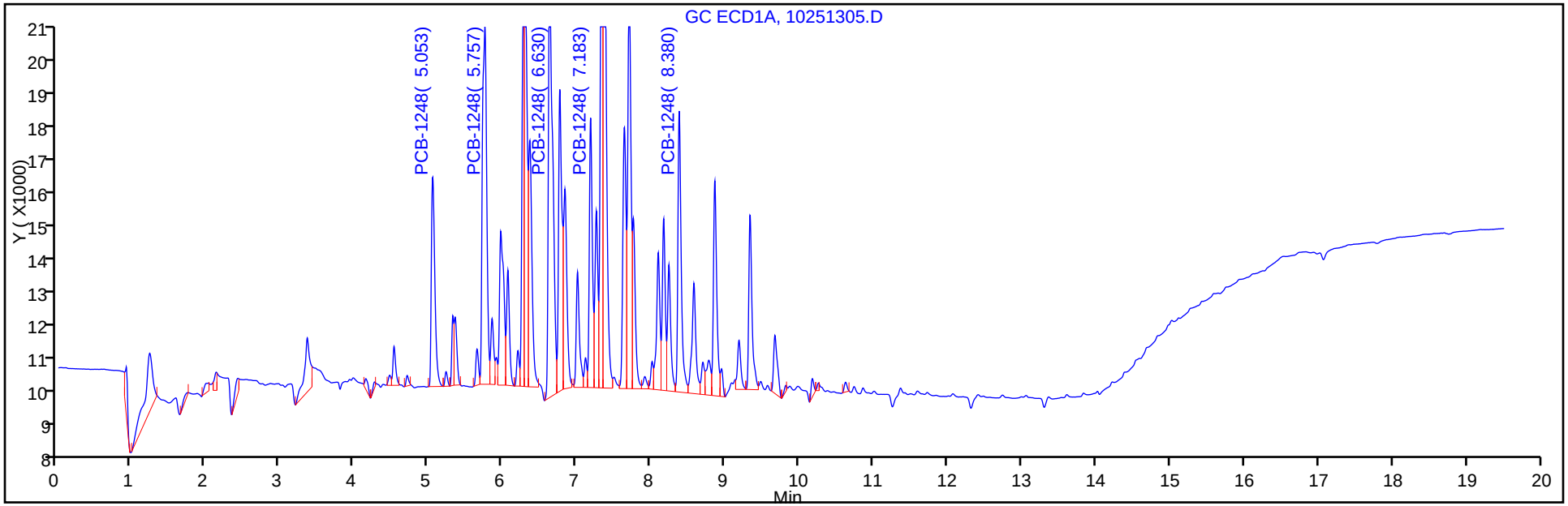
Report Date: 29-Oct-2013 12:13:32 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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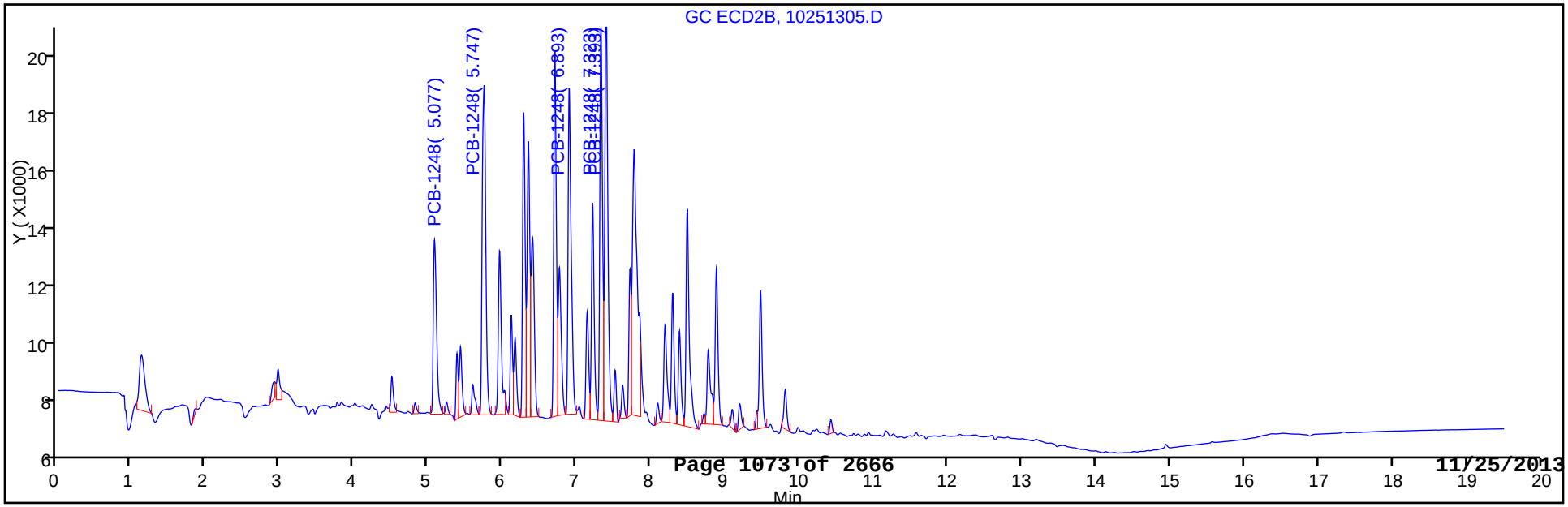
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251305.D

Injection Date:	25-Oct-2013 16:29:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	5
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251306.D		
Lims ID:	STDL21248	Client ID:	
Inject. Date:	25-Oct-2013 16:53:03	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	2
Sample ID:	STDL21248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	6
Lims Batch ID:	197868	Lims Sample ID:	6
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:30	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	11034	52.8		100.0	
1	2	5.757	5.757	0.000	22886	52.0	186.9- 266.9	207.4	
1	3	6.630	6.630	0.000	30000	53.4	209.5- 289.5	271.9	
1	4	7.183	7.180	0.003	11679	51.7	74.7- 154.7	105.8	
1	5	8.380	8.377	0.003	12571	50.4	90.2- 170.2	113.9	
			Average of Peak Amounts =			52.0			
2	6	5.077	5.073	0.004	10159	53.5		100.0	
2	7	5.743	5.747	-0.004	20016	52.8	177.5- 257.5	197.0	
2	8	6.893	6.893	0.000	17321	52.5	151.9- 231.9	170.5	
2	9	7.323	7.320	0.003	17193	52.9	145.1- 225.1	169.2	
2	10	7.393	7.390	0.003	22416	53.0	189.2- 269.2	220.7	
			Average of Peak Amounts =			52.9			
						RPD = 1.71			
S 15 Polychlorinated biphenyls, Total									
1						52.0			
2						52.9			
						RPD = 1.71			

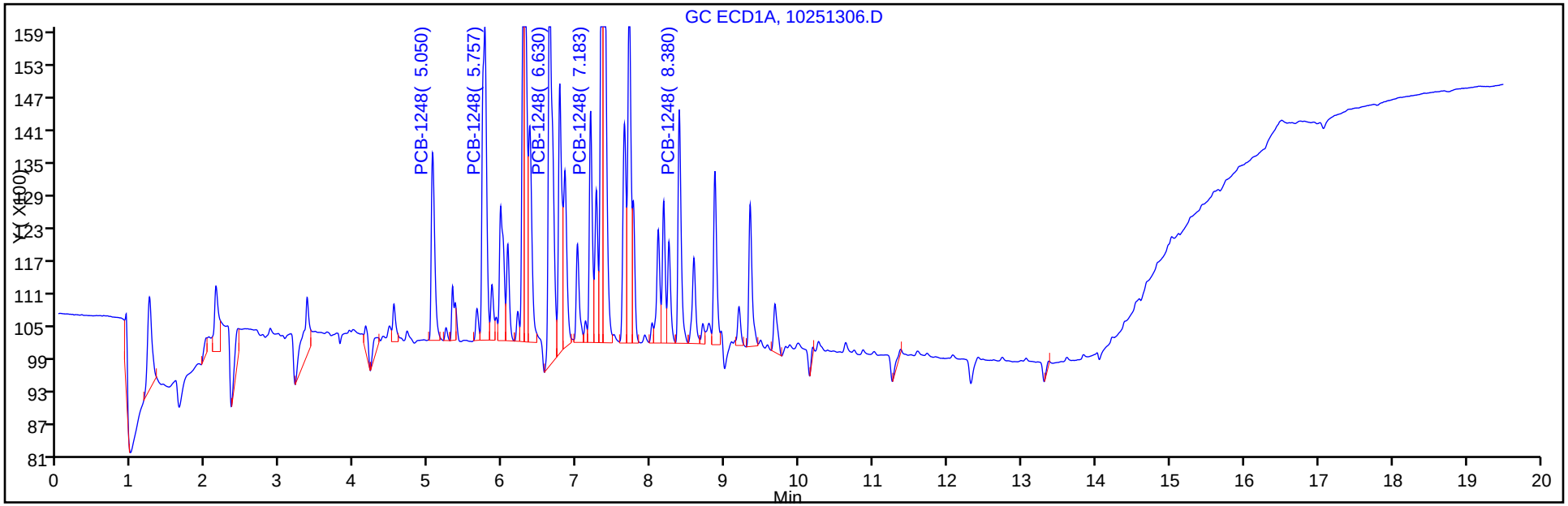
Report Date: 29-Oct-2013 12:13:31 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

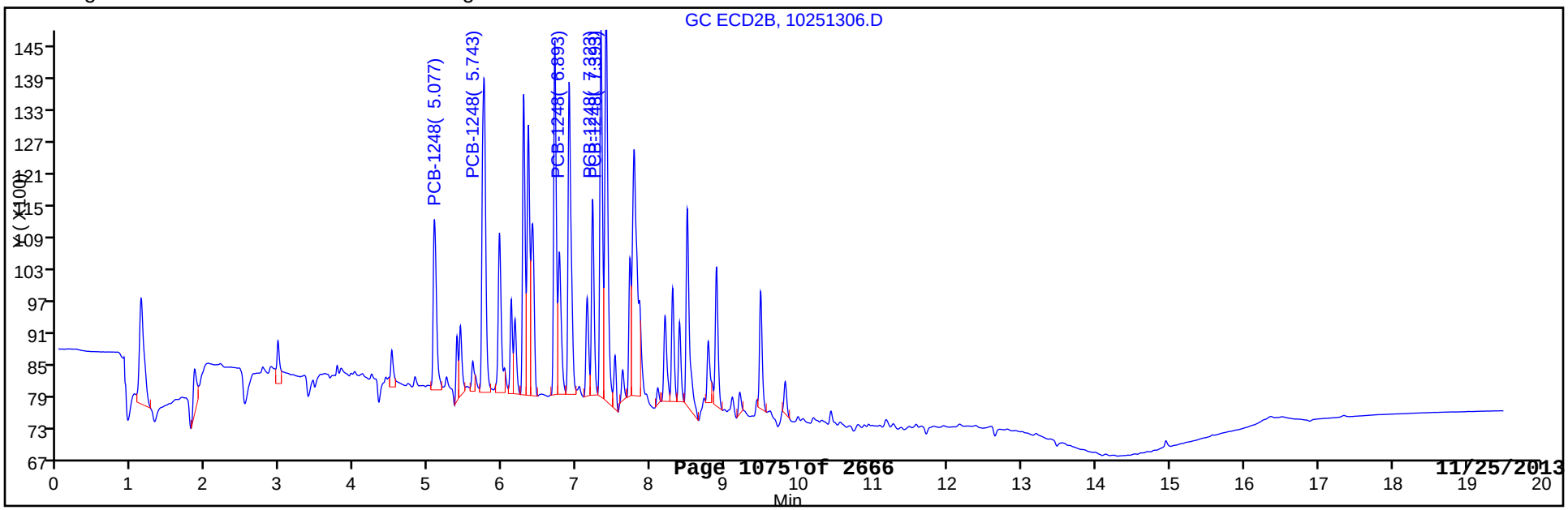
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251306.D

Injection Date:	25-Oct-2013 16:53:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	6
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251307.D		
Lims ID:	STDL11248	Client ID:	
Inject. Date:	25-Oct-2013 17:16:05	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11248		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	7
Lims Batch ID:	197868	Lims Sample ID:	7
Sublist:	chrom-8082_608_W*sub1		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:29	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									
1	1	5.050	5.050	0.000	5727	18.4		100.0	
1	2	5.757	5.757	0.000	11809	21.4	186.9- 266.9	206.2	
1	3	6.630	6.630	0.000	16843	19.4	209.5- 289.5	294.1	
1	4	7.183	7.180	0.003	5982	20.7	74.7- 154.7	104.5	
1	5	8.380	8.377	0.003	6333	21.0	90.2- 170.2	110.6	
			Average of Peak Amounts =			20.2			
2	6	5.077	5.073	0.004	5708	17.9		100.0	
2	7	5.747	5.747	0.000	10809	20.4	177.5- 257.5	189.4	
2	8	6.897	6.893	0.004	9433	20.9	151.9- 231.9	165.3	
2	9	7.327	7.320	0.007	9491	20.4	145.1- 225.1	166.3	
2	10	7.397	7.390	0.007	12967	20.5	189.2- 269.2	227.2	
			Average of Peak Amounts =			20.0			
						RPD = 0.74			
S 15 Polychlorinated biphenyls, Total									
1						20.2			
2						20.0			
						RPD = 0.74			

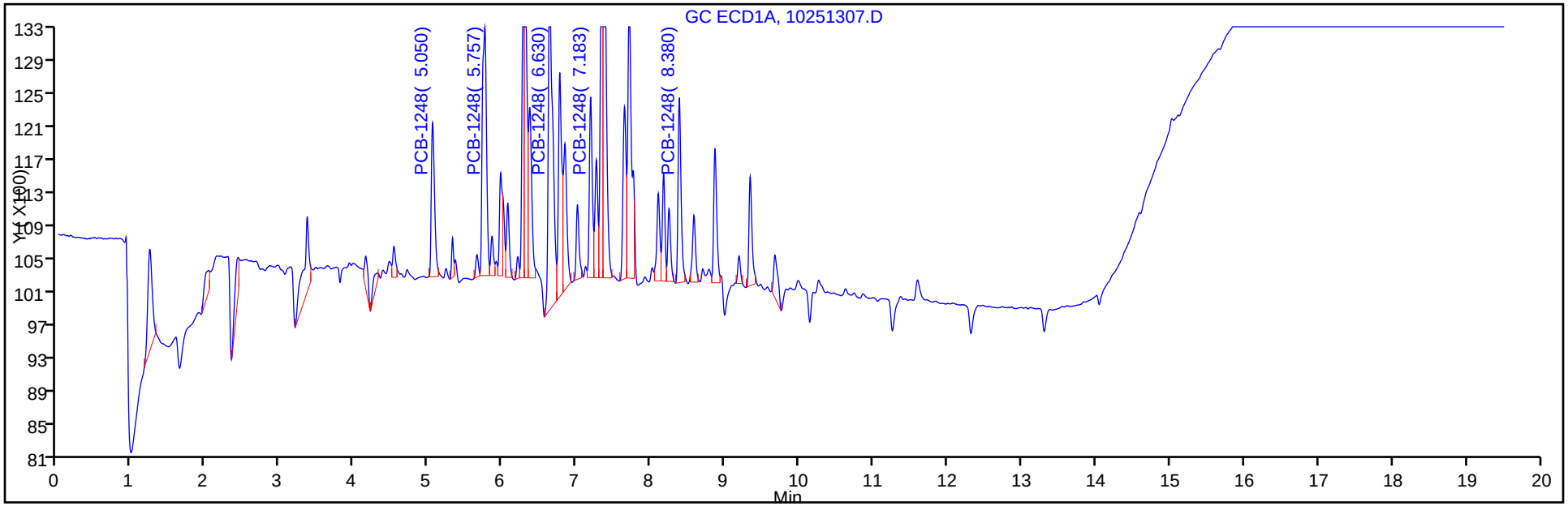
Report Date: 29-Oct-2013 12:13:30 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

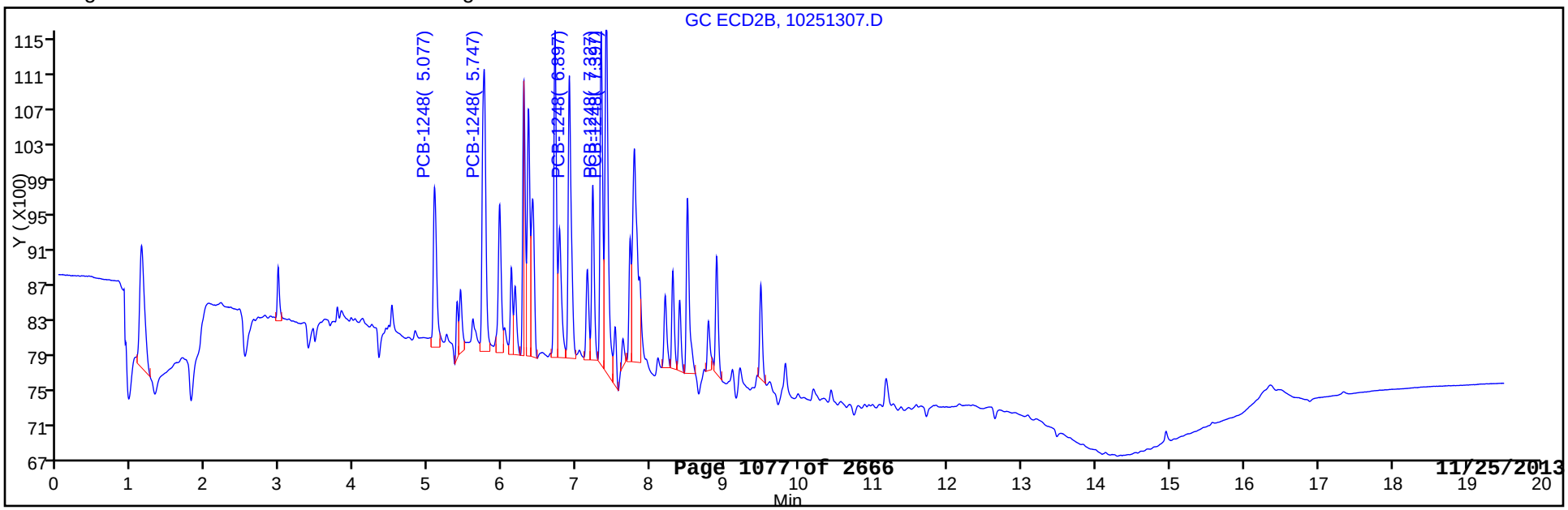
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251307.D

Injection Date:	25-Oct-2013 17:16:05	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	7
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16051

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	4.263	4.263	4.263	4.260	4.260	4.260	4.260				4.220 - 4.300	4.261
PCB-1221 Peak 2	4.473	4.473	4.473	4.470	4.470	4.470	4.470				4.430 - 4.510	4.471
PCB-1221 Peak 3	4.530	4.530	4.530	4.527	4.527	4.527	4.527				4.487 - 4.567	4.528
PCB-1254 Peak 1	7.263	7.263	7.263	7.260	7.260	7.257	7.257				7.220 - 7.300	7.260
PCB-1254 Peak 2	8.170	8.170	8.170	8.167	8.163	8.163	8.160				8.123 - 8.203	8.166
PCB-1254 Peak 3	8.380	8.380	8.380	8.377	8.373	8.370	8.370				8.333 - 8.413	8.376
PCB-1254 Peak 4	9.187	9.183	9.187	9.180	9.180	9.177	9.177				9.140 - 9.220	9.182
PCB-1254 Peak 5	9.670	9.670	9.670	9.667	9.663	9.663	9.660				9.623 - 9.703	9.666

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16051

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	186.84 110.63	153.38 108.74	136.20 110.10	119.93	Lin1	2218.73403	107.430976							0.9990		0.9900
PCB-1221 Peak 2	113.48 62.580	89.580 60.120	77.200 58.335	69.488	Lin1	1557.12551	58.4011669							0.9980		0.9900
PCB-1221 Peak 3	416.08 253.03	375.92 243.59	327.11 240.76	284.72	Lin1	5894.70978	239.922629							0.9970		0.9900
PCB-1254 Peak 1	462.52 307.45	441.76 298.38	390.40 297.22	341.86	Lin1	5999.70189	295.659098							0.9970		0.9900
PCB-1254 Peak 2	420.80 331.53	433.06 341.36	392.17 334.40	361.06	Lin1	3541.61142	333.851110							0.9990		0.9900
PCB-1254 Peak 3	820.44 547.66	797.82 591.69	719.45 546.79	651.55	Lin1	9899.93496	557.128394							0.9960		0.9900
PCB-1254 Peak 4	635.72 434.62	612.70 438.72	546.01 431.45	481.54	Lin1	7370.82689	429.055032							0.9980		0.9900
PCB-1254 Peak 5	777.24 582.24	765.46 594.96	699.22 590.69	633.47	Lin1	6992.72152	585.072878							0.9990		0.9900

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

FORM VI

PCBS INITIAL CALIBRATION DATA

EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16051

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin1	4671 81557	7669 110095	13620	29983	55314	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 2	Lin1	2837 45090	4479 58335	7720	17372	31290	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 3	Lin1	10402 182693	18796 240758	32711	71180	126516	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 1	Lin1	11563 223783	22088 297221	39040	85465	153726	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 2	Lin1	10520 256020	21653 334404	39217	90266	165763	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 3	Lin1	20511 443771	39891 546785	71945	162887	273828	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 4	Lin1	15893 329042	30635 431452	54601	120386	217309	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 5	Lin1	19431 446221	38273 590686	69922	158367	291119	25.0 750	50.0 1000	100	250	500

Curve Type Legend:

Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251308.D
Lims ID: STDL72154 Client ID:
Inject. Date: 25-Oct-2013 17:39:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL72154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 197868 Lims Sample ID: 8
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:28 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	110095	1004.1		100.0	
1	2	4.470	4.470	0.000	58335	972.2	16.6- 96.6	53.0	
1	3	4.527	4.527	0.000	240758	978.9	188.7- 268.7	218.7	
			Average of Peak Amounts =			985.1			
2	4	4.230	4.230	0.000	89172	971.8		100.0	
2	5	4.420	4.420	0.000	58449	964.6	26.3- 106.3	65.5	
2	6	4.500	4.500	0.000	189445	961.0	176.2- 256.2	212.4	
			Average of Peak Amounts =			965.8			
						RPD = 1.98			
7 PCB-1254									
1	1	7.257	7.260	-0.003	297221	985.0		100.0	
1	2	8.160	8.163	-0.003	334404	991.0	67.8- 147.8	112.5	
1	3	8.370	8.373	-0.003	546785	963.7	138.1- 218.1	184.0	
1	4	9.177	9.180	-0.003	431452	988.4	101.4- 181.4	145.2	
1	5	9.660	9.663	-0.003	590686	997.6	149.4- 229.4	198.7	
			Average of Peak Amounts =			985.2			
2	6	7.387	7.387	0.000	279832	975.2		100.0	
2	7	7.710	7.710	0.000	304932	974.4	67.8- 147.8	109.0	
2	8	8.483	8.483	0.000	441086	980.5	114.5- 194.5	157.6	
2	9	9.187	9.190	-0.003	192655	984.8	27.0- 107.0	68.8	
2	10	9.803	9.807	-0.004	407145	991.2	98.9- 178.9	145.5	
			Average of Peak Amounts =			981.2			
						RPD = 0.40			
S 15 Polychlorinated biphenyls, Total									
1						1970.2			
2						1947.0			
						RPD = 1.19			

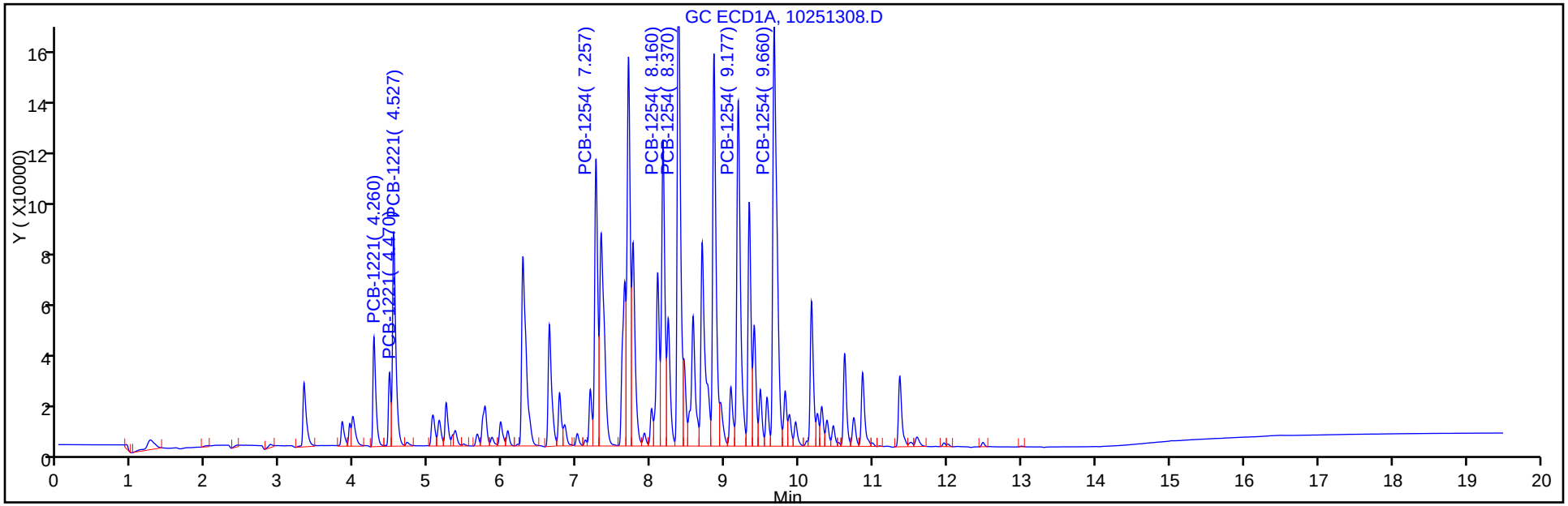
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TestAmerica Denver

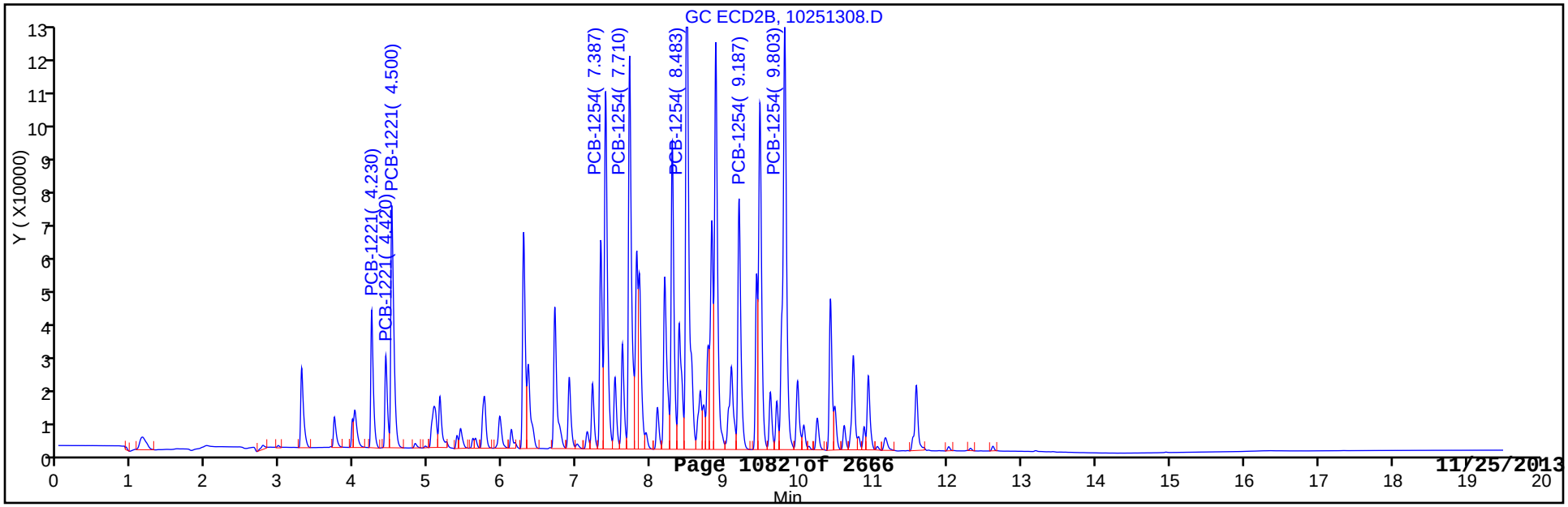
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251308.D

Injection Date:	25-Oct-2013 17:39:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	8
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D
Lims ID: STDL62154 Client ID:
Inject. Date: 25-Oct-2013 18:02:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL62154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 197868 Lims Sample ID: 9
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:27 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	81557	738.5		100.0	
1	2	4.470	4.470	0.000	45090	745.4	16.6- 96.6	55.3	
1	3	4.527	4.527	0.000	182693	736.9	188.7- 268.7	224.0	
			Average of Peak Amounts =			740.3			
2	4	4.230	4.230	0.000	68689	743.6		100.0	
2	5	4.420	4.420	0.000	45526	746.1	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	148330	746.6	176.2- 256.2	215.9	
			Average of Peak Amounts =			745.4			
						RPD = 0.69			
7 PCB-1254									M
1	1	7.257	7.260	-0.003	223783	736.6		100.0	
1	2	8.163	8.163	0.000	256020	756.3	67.8- 147.8	114.4	M
1	3	8.370	8.373	-0.003	443771	778.8	138.1- 218.1	198.3	M
1	4	9.177	9.180	-0.003	329042	749.7	101.4- 181.4	147.0	M
1	5	9.663	9.663	0.000	446221	750.7	149.4- 229.4	199.4	M
			Average of Peak Amounts =			754.4			
2	6	7.387	7.387	0.000	215942	747.5		100.0	
2	7	7.710	7.710	0.000	235122	746.9	67.8- 147.8	108.9	
2	8	8.483	8.483	0.000	338892	749.3	114.5- 194.5	156.9	
2	9	9.187	9.190	-0.003	147494	749.5	27.0- 107.0	68.3	
2	10	9.803	9.807	-0.004	310807	753.1	98.9- 178.9	143.9	
			Average of Peak Amounts =			749.3			
						RPD = 0.69			
S 15 Polychlorinated biphenyls, Total									
1						1494.7			
2						1494.7			
						RPD = 0.00			

QC Flag Legend

Review Flags
M - Manually Integrated

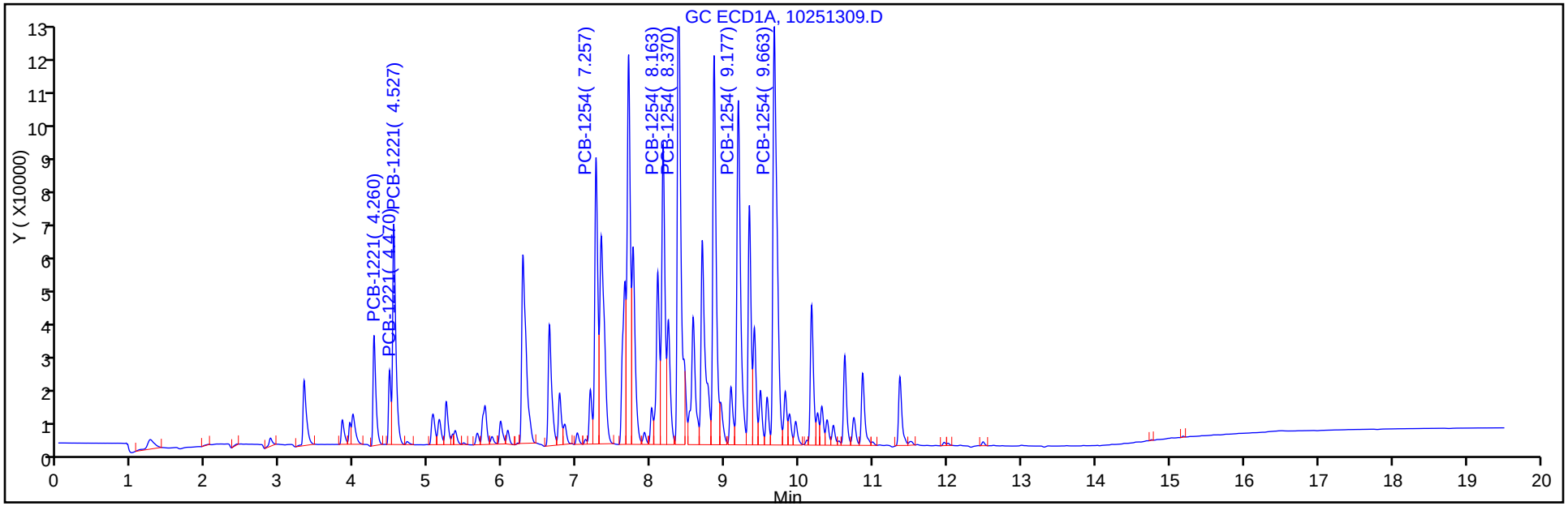
Report Date: 29-Oct-2013 12:13:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

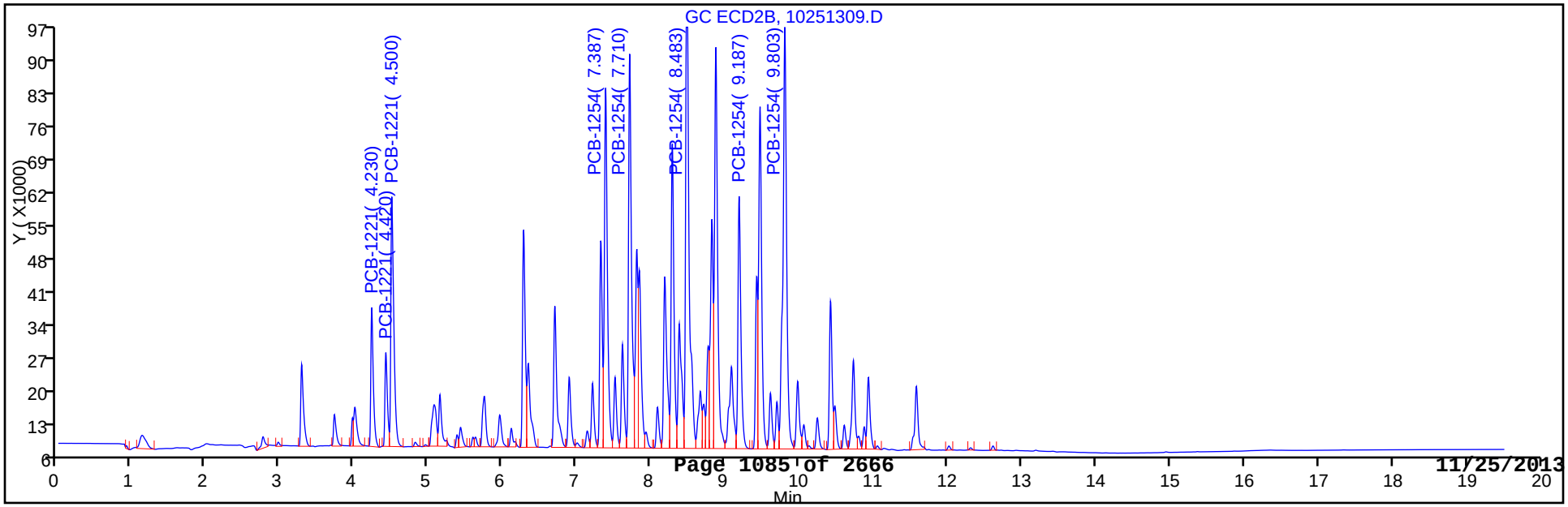
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D

Injection Date:	25-Oct-2013 18:02:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	9
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



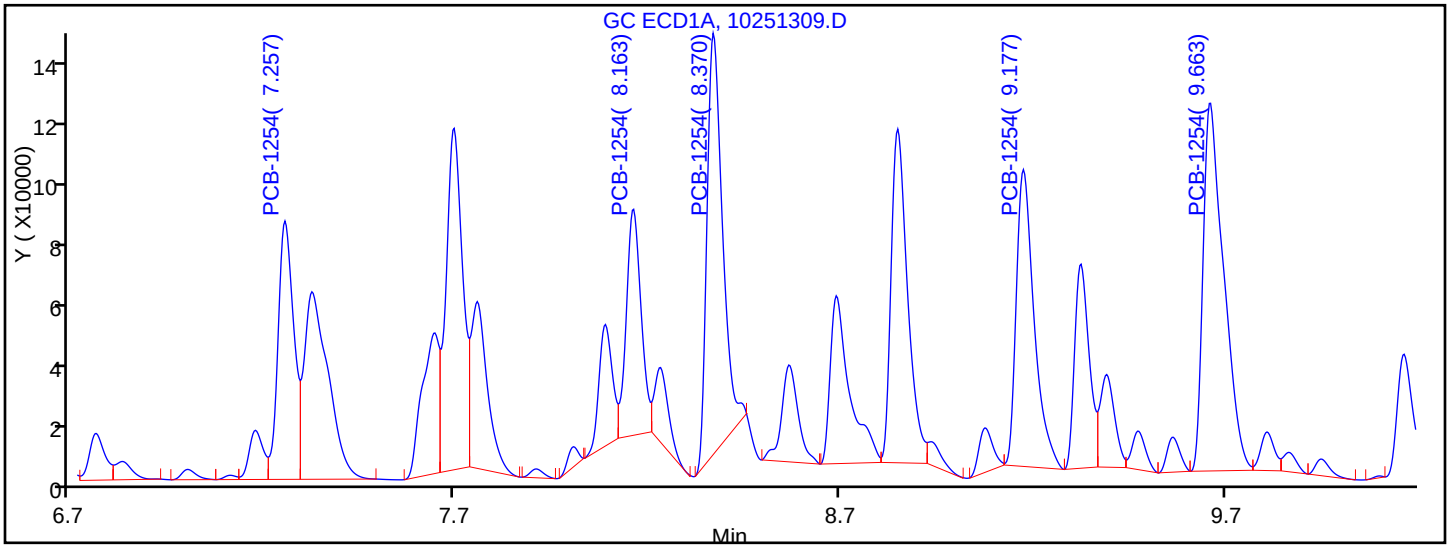
Report Date: 29-Oct-2013 12:13:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D

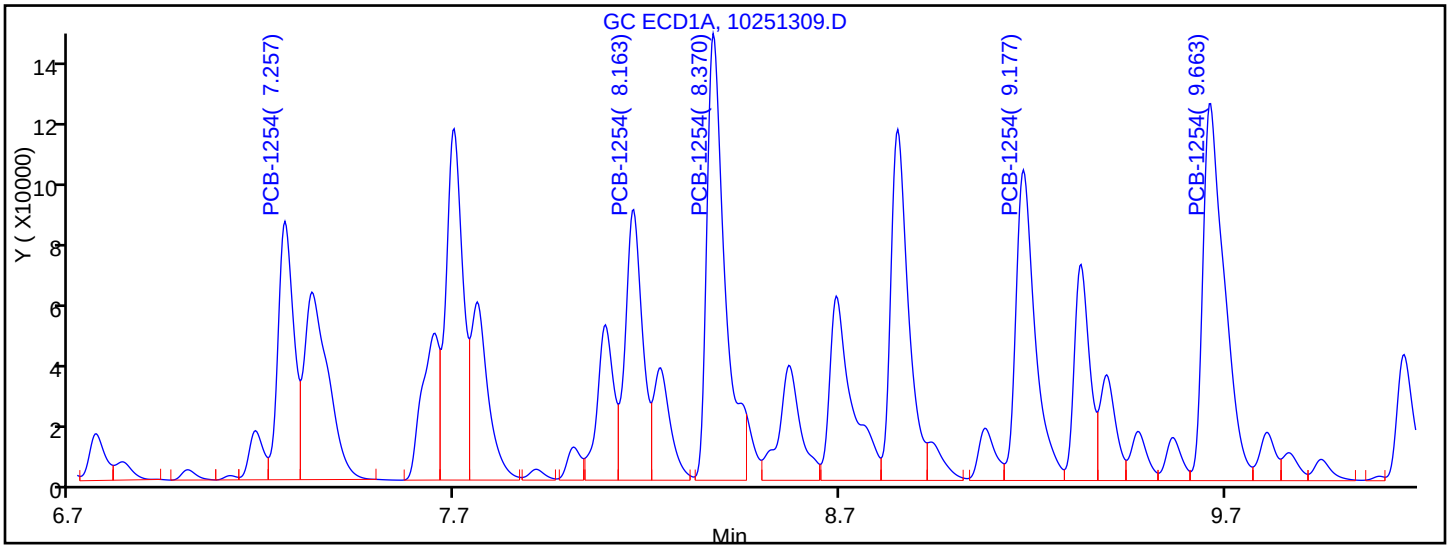
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Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	9
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

7 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.257	Response = 223783	
RT = 8.163	Response = 185082	M
RT = 8.370	Response = 359187	M
RT = 9.177	Response = 292072	M
RT = 9.663	Response = 417826	M



Manual Integration Results

RT = 7.257	Response = 223783	
RT = 8.163	Response = 256020	M
RT = 8.370	Response = 443771	M
RT = 9.177	Response = 329042	M
RT = 9.663	Response = 446221	M

Reviewer: jacksonto, 26-Oct-2013 10:23:05

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251310.D
Lims ID: STDL52154 Client ID:
Inject. Date: 25-Oct-2013 18:25:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STDL52154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 197868 Lims Sample ID: 10
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:25 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:15:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	55314	494.2		100.0	
1	2	4.470	4.470	0.000	31290	509.1	16.6- 96.6	56.6	
1	3	4.527	4.527	0.000	126516	502.8	188.7- 268.7	228.7	
			Average of Peak Amounts =			502.0			
2	4	4.230	4.230	0.000	46952	501.3		100.0	
2	5	4.420	4.420	0.000	31117	502.5	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	101519	502.5	176.2- 256.2	216.2	
			Average of Peak Amounts =			502.1			
						RPD = 0.02			
7 PCB-1254									
1	1	7.260	7.260	0.000	153726	499.7		100.0	
1	2	8.163	8.163	0.000	165763	485.9	67.8- 147.8	107.8	
1	3	8.373	8.373	0.000	273828	473.7	138.1- 218.1	178.1	
1	4	9.180	9.180	0.000	217309	489.3	101.4- 181.4	141.4	
1	5	9.663	9.663	0.000	291119	485.6	149.4- 229.4	189.4	
			Average of Peak Amounts =			486.8			
2	6	7.387	7.387	0.000	145768	497.3		100.0	
2	7	7.710	7.710	0.000	157126	492.7	67.8- 147.8	107.8	
2	8	8.483	8.483	0.000	225158	492.0	114.5- 194.5	154.5	
2	9	9.190	9.190	0.000	97629	489.8	27.0- 107.0	67.0	
2	10	9.807	9.807	0.000	202432	485.3	98.9- 178.9	138.9	
			Average of Peak Amounts =			491.4			
						RPD = 0.93			
S 15 Polychlorinated biphenyls, Total									
1						988.9			
2						993.5			
						RPD = 0.47			

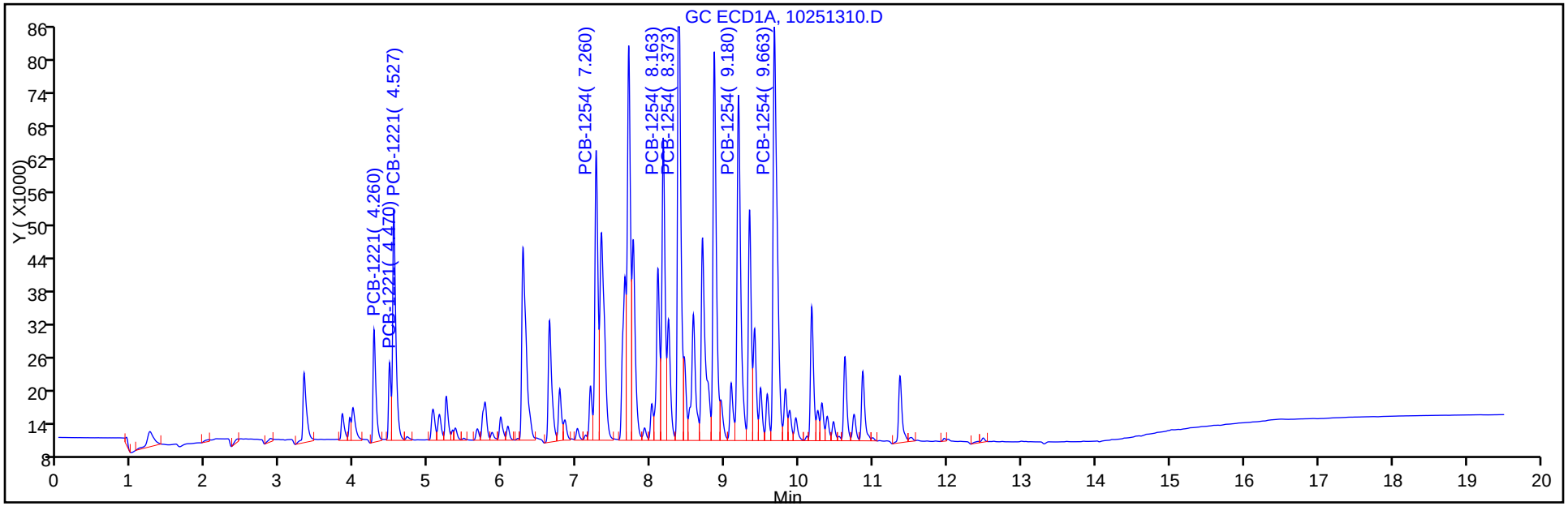
Report Date: 29-Oct-2013 12:13:26 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

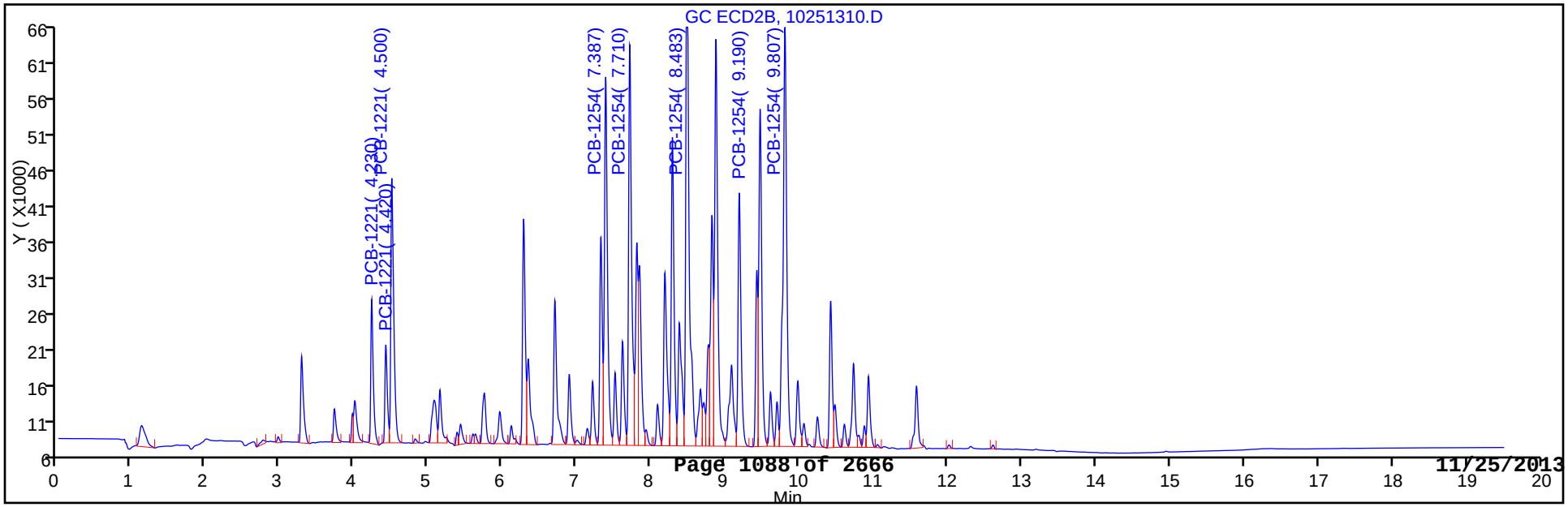
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251310.D

Injection Date:	25-Oct-2013 18:25:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	10
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251311.D
Lims ID: STDL42154 Client ID:
Inject. Date: 25-Oct-2013 18:48:21 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL42154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 197868 Lims Sample ID: 11
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	29983	258.4		100.0	
1	2	4.470	4.470	0.000	17372	270.8	16.6- 96.6	57.9	
1	3	4.527	4.527	0.000	71180	272.1	188.7- 268.7	237.4	
			Average of Peak Amounts =			267.1			
2	4	4.230	4.230	0.000	26150	269.6		100.0	
2	5	4.420	4.420	0.000	17654	274.9	26.3- 106.3	67.5	
2	6	4.500	4.500	0.000	58107	276.2	176.2- 256.2	222.2	
			Average of Peak Amounts =			273.5			
						RPD = 2.37			
7 PCB-1254									M
1	1	7.260	7.260	0.000	85465	268.8		100.0	M
1	2	8.167	8.163	0.004	90266	259.8	67.8- 147.8	105.6	M
1	3	8.377	8.373	0.004	162887	274.6	138.1- 218.1	190.6	M
1	4	9.180	9.180	0.000	120386	263.4	101.4- 181.4	140.9	M
1	5	9.667	9.663	0.004	158367	258.7	149.4- 229.4	185.3	M
			Average of Peak Amounts =			265.1			
2	6	7.387	7.387	0.000	83451	275.1		100.0	
2	7	7.713	7.710	0.003	90541	275.7	67.8- 147.8	108.5	
2	8	8.487	8.483	0.004	126266	268.3	114.5- 194.5	151.3	
2	9	9.190	9.190	0.000	54744	266.4	27.0- 107.0	65.6	
2	10	9.807	9.807	0.000	112078	262.0	98.9- 178.9	134.3	
			Average of Peak Amounts =			269.5			
						RPD = 1.66			
S 15 Polychlorinated biphenyls, Total									
1						532.2			
2						543.0			
						RPD = 2.02			

QC Flag Legend

Review Flags
M - Manually Integrated

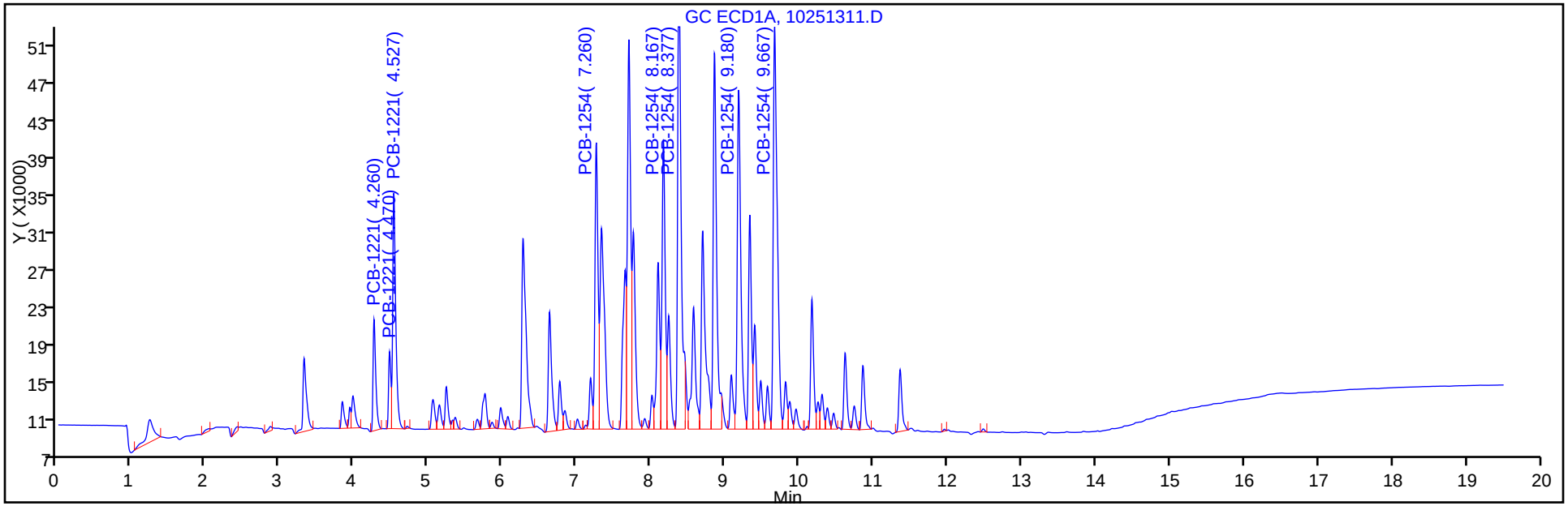
Report Date: 29-Oct-2013 12:13:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

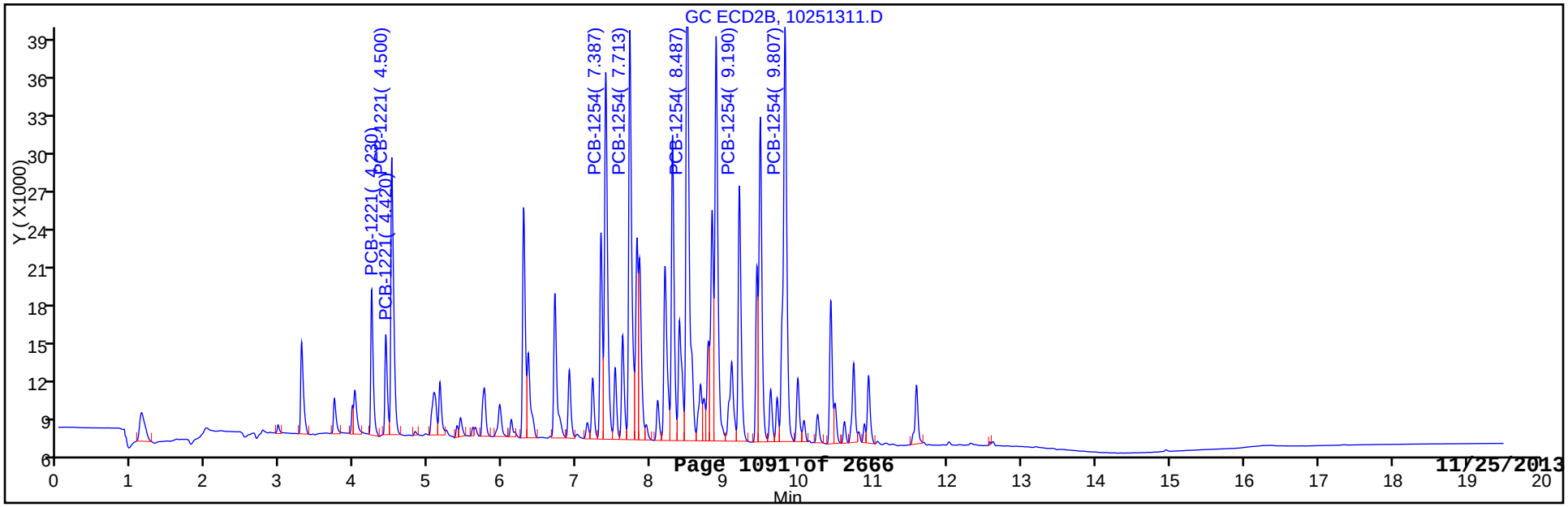
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251311.D

Injection Date:	25-Oct-2013 18:48:21	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	11
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



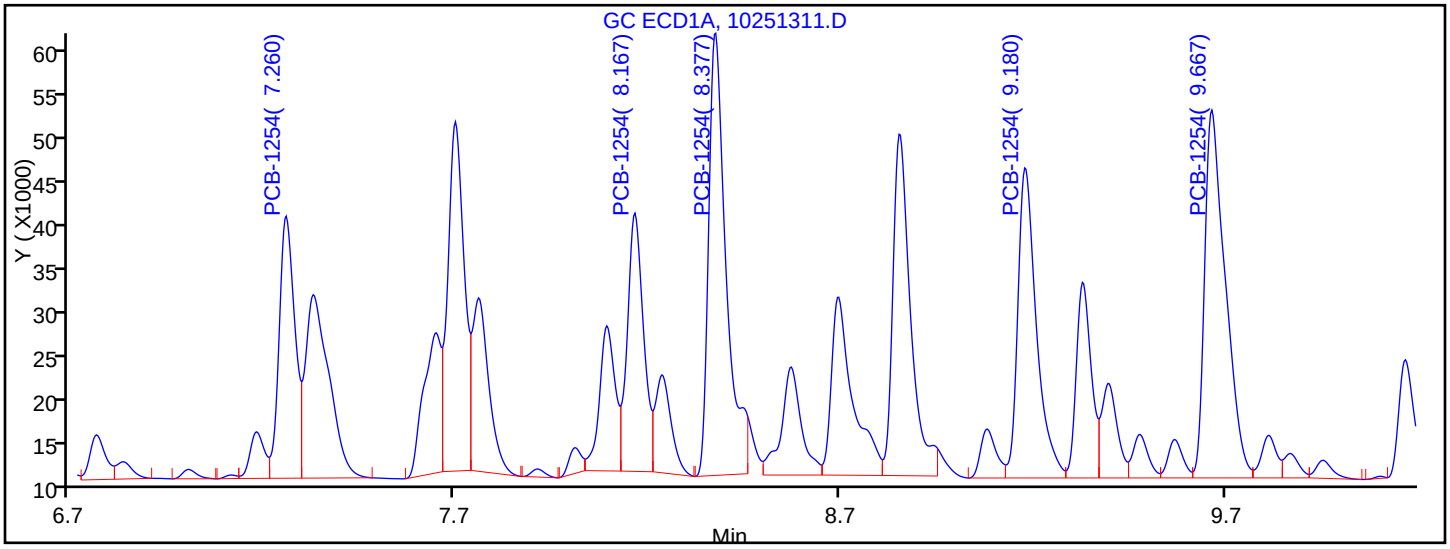
Report Date: 29-Oct-2013 12:13:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251311.D

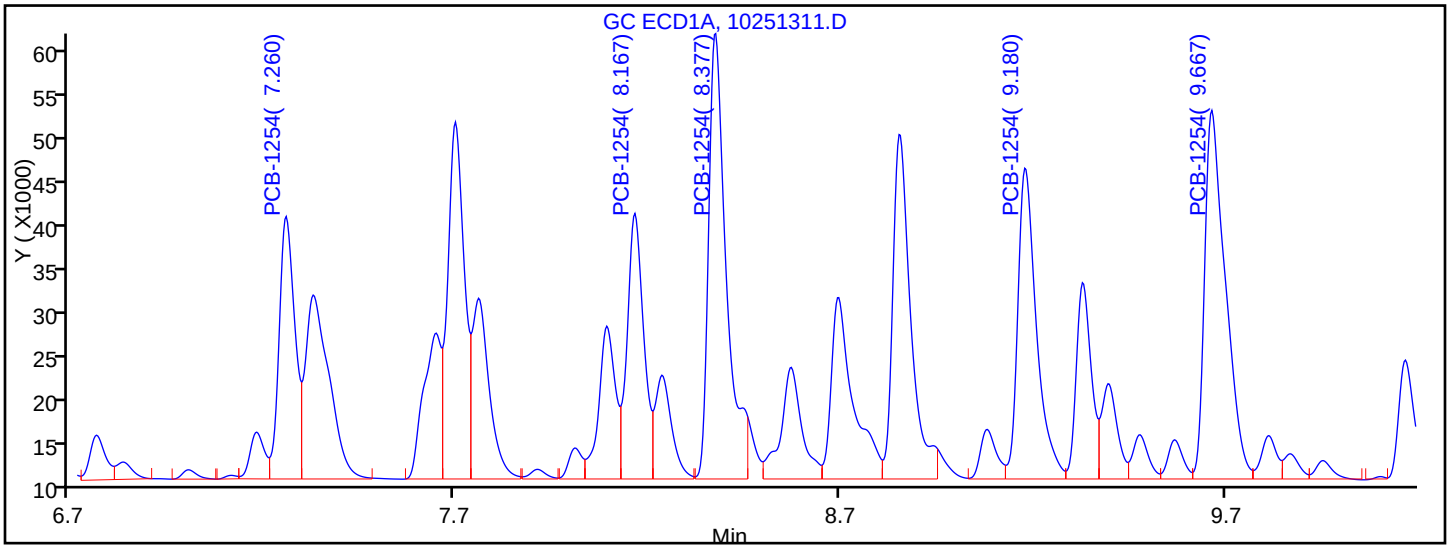
Injection Date:	25-Oct-2013 18:48:21	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	11
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

7 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.260	Response = 85230	M
RT = 8.167	Response = 86143	M
RT = 8.377	Response = 159558	M
RT = 9.180	Response = 119672	M
RT = 9.667	Response = 157586	M



Manual Integration Results

RT = 7.260	Response = 85465	M
RT = 8.167	Response = 90266	M
RT = 8.377	Response = 162887	M
RT = 9.180	Response = 120386	M
RT = 9.667	Response = 158367	M

Reviewer: jacksonto, 26-Oct-2013 10:23:22

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251312.D
Lims ID: STDL32154 Client ID:
Inject. Date: 25-Oct-2013 19:11:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL32154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 197868 Lims Sample ID: 12
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	13620	106.1		100.0	
1	2	4.473	4.470	0.003	7720	105.5	16.6- 96.6	56.7	
1	3	4.530	4.527	0.003	32711	111.8	188.7- 268.7	240.2	
			Average of Peak Amounts =			107.8			
2	4	4.230	4.230	0.000	12339	115.7		100.0	
2	5	4.420	4.420	0.000	8229	115.5	26.3- 106.3	66.7	
2	6	4.500	4.500	0.000	27630	117.3	176.2- 256.2	223.9	
			Average of Peak Amounts =			116.1			
						RPD = 7.45			
7 PCB-1254									
1	1	7.263	7.260	0.003	39040	111.8		100.0	
1	2	8.170	8.163	0.007	39217	106.9	67.8- 147.8	100.5	
1	3	8.380	8.373	0.007	71945	111.4	138.1- 218.1	184.3	
1	4	9.187	9.180	0.007	54601	110.1	101.4- 181.4	139.9	
1	5	9.670	9.663	0.007	69922	107.6	149.4- 229.4	179.1	
			Average of Peak Amounts =			109.5			
2	6	7.390	7.387	0.003	38031	113.1		100.0	
2	7	7.717	7.710	0.007	41537	116.0	67.8- 147.8	109.2	
2	8	8.490	8.483	0.007	57893	113.7	114.5- 194.5	152.2	
2	9	9.193	9.190	0.003	25157	112.2	27.0- 107.0	66.1	
2	10	9.810	9.807	0.003	50271	109.2	98.9- 178.9	132.2	
			Average of Peak Amounts =			112.9			
						RPD = 3.00			
S 15 Polychlorinated biphenyls, Total									
1						217.3			
2						229.0			
						RPD = 5.23			

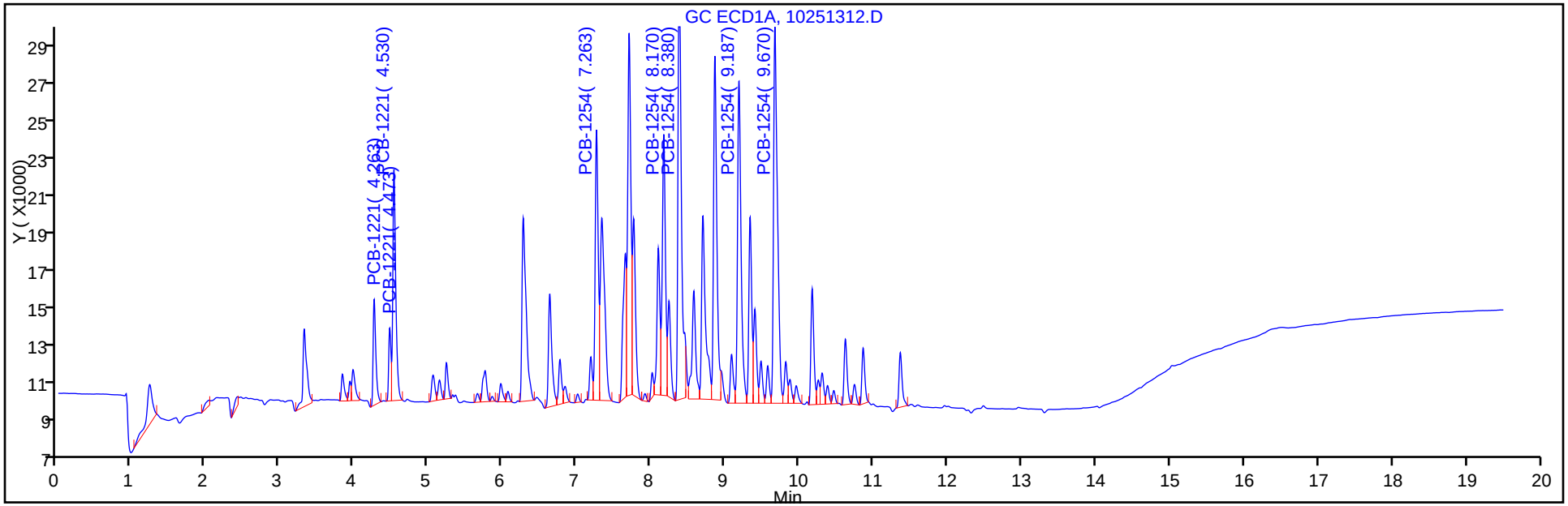
Report Date: 29-Oct-2013 12:13:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

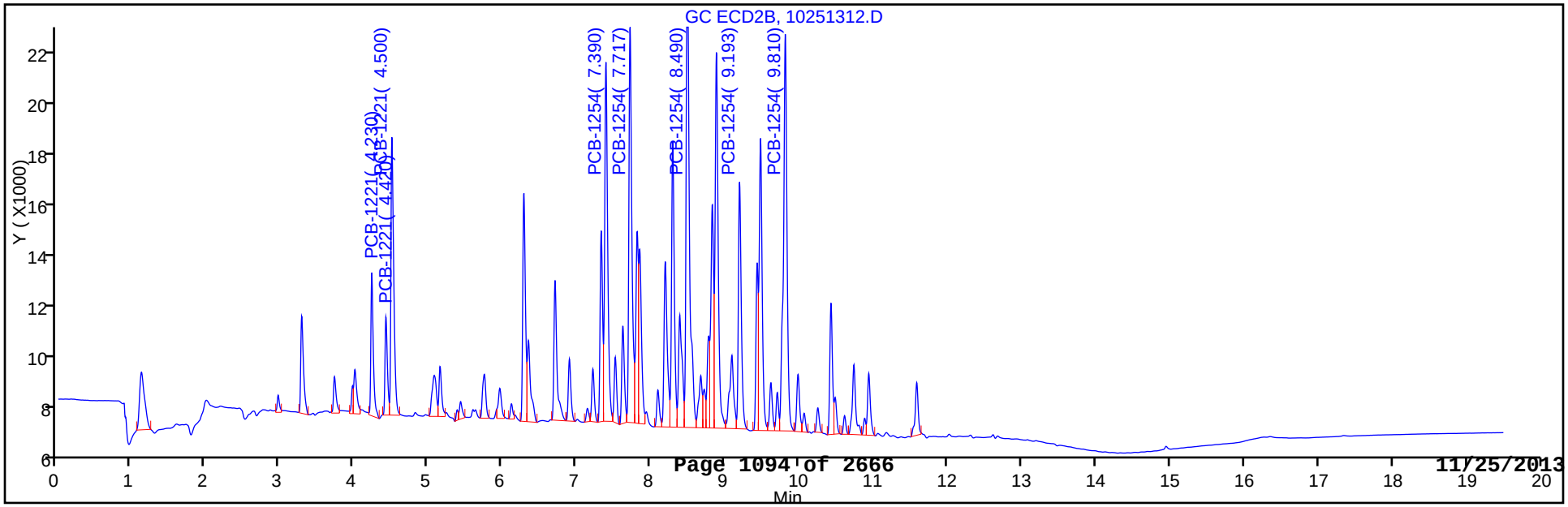
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251312.D

Injection Date:	25-Oct-2013 19:11:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	12
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D
Lims ID: STDL22154 Client ID:
Inject. Date: 25-Oct-2013 19:34:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL22154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 197868 Lims Sample ID: 13
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:23 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	7669	50.7		100.0	
1	2	4.473	4.470	0.003	4479	50.0	16.6- 96.6	58.4	
1	3	4.530	4.527	0.003	18796	53.8	188.7- 268.7	245.1	
			Average of Peak Amounts =			51.5			
2	4	4.230	4.230	0.000	7001	56.2		100.0	
2	5	4.420	4.420	0.000	4564	53.6	26.3- 106.3	65.2	
2	6	4.503	4.500	0.003	15687	55.0	176.2- 256.2	224.1	
			Average of Peak Amounts =			54.9			
						RPD = 6.38			
7 PCB-1254									
1	1	7.263	7.260	0.003	22088	54.4		100.0	
1	2	8.170	8.163	0.007	21653	54.2	67.8- 147.8	98.0	
1	3	8.380	8.373	0.007	39891	53.8	138.1- 218.1	180.6	
1	4	9.183	9.180	0.003	30635	54.2	101.4- 181.4	138.7	
1	5	9.670	9.663	0.007	38273	53.5	149.4- 229.4	173.3	
			Average of Peak Amounts =			54.0			
2	6	7.390	7.387	0.003	18502	43.5		100.0	
2	7	7.713	7.710	0.003	21132	49.5	67.8- 147.8	114.2	
2	8	8.490	8.483	0.007	30158	50.9	114.5- 194.5	163.0	
2	9	9.193	9.190	0.003	13649	52.3	27.0- 107.0	73.8	
2	10	9.810	9.807	0.003	27778	53.7	98.9- 178.9	150.1	
			Average of Peak Amounts =			50.0			
						RPD = 7.80			
S 15 Polychlorinated biphenyls, Total									
1						105.5			
2						104.9			
						RPD = 0.62			

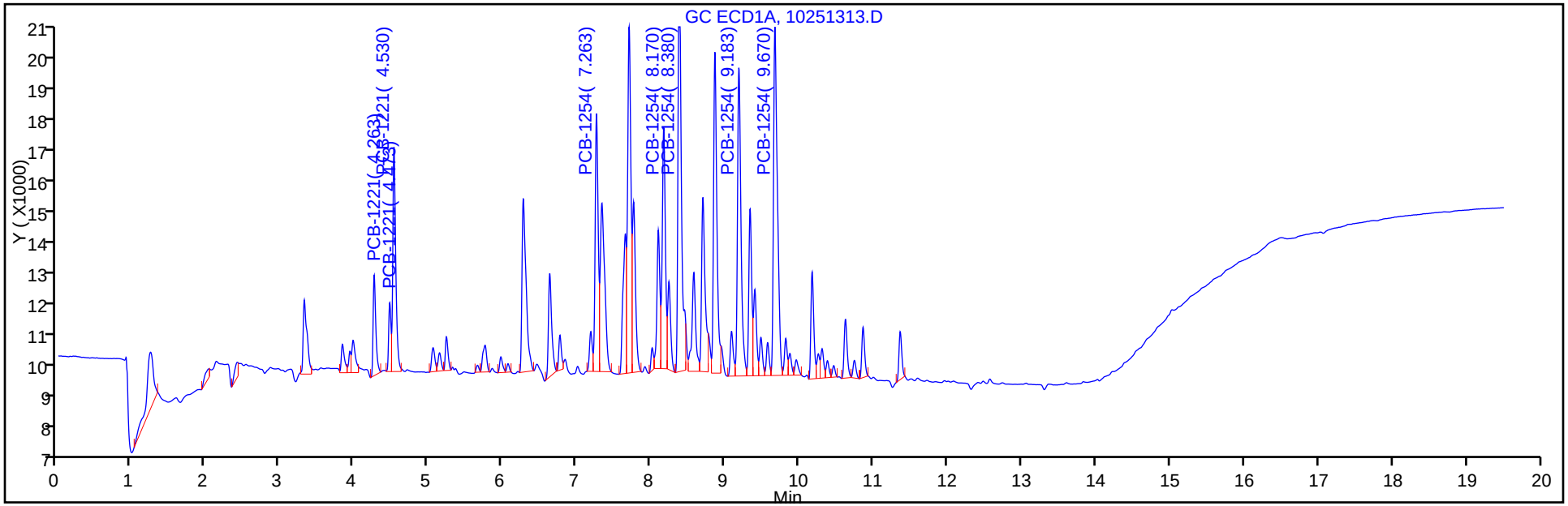
Report Date: 29-Oct-2013 12:13:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

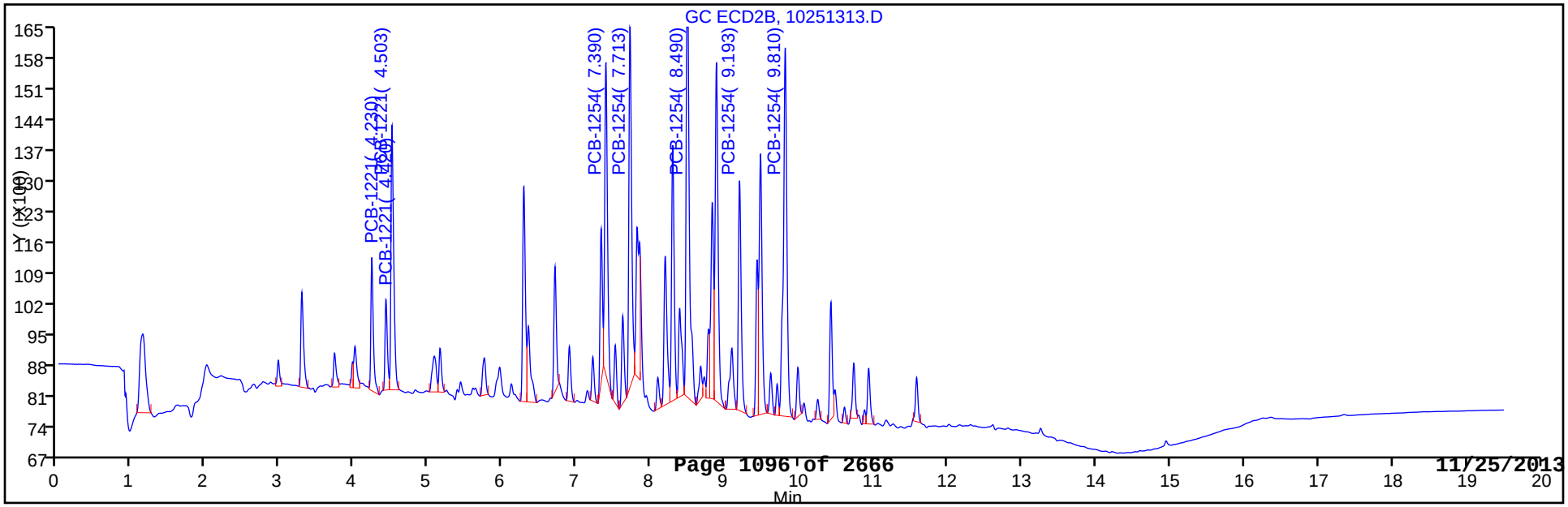
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D

Injection Date:	25-Oct-2013 19:34:37	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	13
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D
Lims ID: STDL12154 Client ID:
Inject. Date: 25-Oct-2013 19:57:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STDL12154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 197868 Lims Sample ID: 14
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:22 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	4671	22.8		100.0	
1	2	4.473	4.470	0.003	2837	21.9	16.6- 96.6	60.7	
1	3	4.530	4.527	0.003	10402	18.8	188.7- 268.7	222.7	
			Average of Peak Amounts =			21.2			
2	4	4.230	4.230	0.000	3475	16.9		100.0	
2	5	4.420	4.420	0.000	2445	17.7	26.3- 106.3	70.4	
2	6	4.503	4.500	0.003	8314	16.5	176.2- 256.2	239.3	
			Average of Peak Amounts =			17.1			
						RPD = 21.55			
7 PCB-1254									
1	1	7.263	7.260	0.003	11563	18.8		100.0	
1	2	8.170	8.163	0.007	10520	20.9	67.8- 147.8	91.0	
1	3	8.380	8.373	0.007	20511	19.0	138.1- 218.1	177.4	
1	4	9.187	9.180	0.007	15893	19.9	101.4- 181.4	137.4	
1	5	9.670	9.663	0.007	19431	21.3	149.4- 229.4	168.0	
			Average of Peak Amounts =			20.0			
2	6	7.390	7.387	0.003	12826	23.3		100.0	
2	7	7.717	7.710	0.007	11997	19.8	67.8- 147.8	93.5	
2	8	8.490	8.483	0.007	16585	20.2	114.5- 194.5	129.3	
2	9	9.193	9.190	0.003	7463	20.1	27.0- 107.0	58.2	
2	10	9.810	9.807	0.003	14370	20.5	98.9- 178.9	112.0	
			Average of Peak Amounts =			20.8			
						RPD = 3.88			
S 15 Polychlorinated biphenyls, Total									
1						41.2			
2						37.8			
						RPD = 8.43			

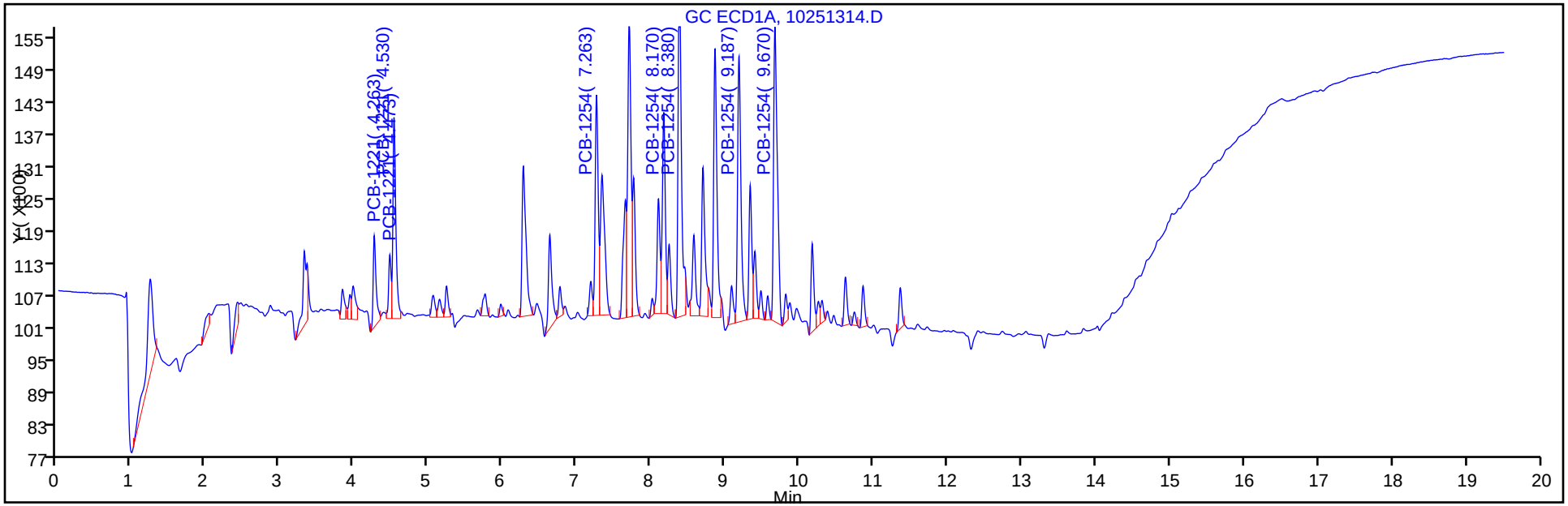
Report Date: 29-Oct-2013 12:13:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

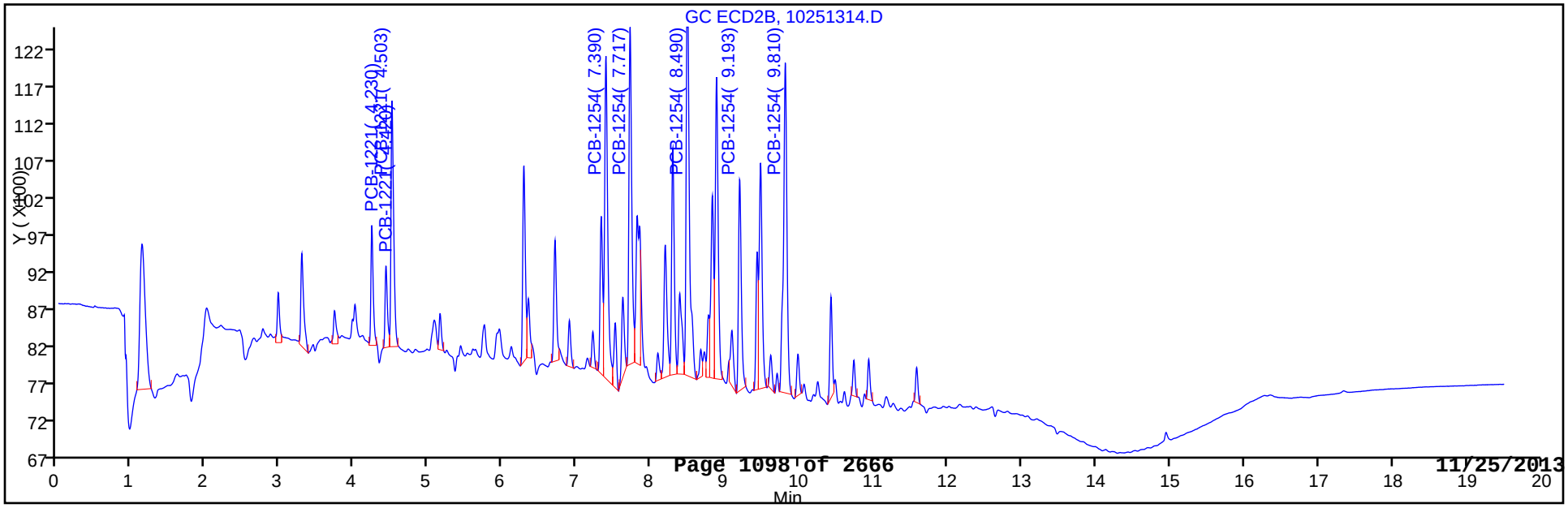
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D

Injection Date:	25-Oct-2013 19:57:48	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	14
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16052

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1221 Peak 1	4.230	4.230	4.230	4.230	4.230	4.230	4.230				4.190 - 4.270	4.230
PCB-1221 Peak 2	4.420	4.420	4.420	4.420	4.420	4.420	4.420				4.380 - 4.460	4.420
PCB-1221 Peak 3	4.503	4.503	4.500	4.500	4.500	4.500	4.500				4.460 - 4.540	4.501
PCB-1254 Peak 1	7.390	7.390	7.390	7.387	7.387	7.387	7.387				7.347 - 7.427	7.388
PCB-1254 Peak 2	7.717	7.713	7.717	7.713	7.710	7.710	7.710				7.670 - 7.750	7.713
PCB-1254 Peak 3	8.490	8.490	8.490	8.487	8.483	8.483	8.483				8.443 - 8.523	8.487
PCB-1254 Peak 4	9.193	9.193	9.193	9.190	9.190	9.187	9.187				9.150 - 9.230	9.190
PCB-1254 Peak 5	9.810	9.810	9.810	9.807	9.807	9.803	9.803				9.767 - 9.847	9.807

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16052

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1221 Peak 1	139.00 93.904	140.02 91.585	123.39 89.172	104.60	Lin1	1959.14757	89.7435391							0.9960		0.9900
PCB-1221 Peak 2	97.800 62.234	91.280 60.701	82.290 58.449	70.616	Lin1	1396.07148	59.1444859							0.9960		0.9900
PCB-1221 Peak 3	332.56 203.04	313.74 197.77	276.30 189.45	232.43	Lin1	5141.41661	191.791433							0.9950		0.9900
PCB-1254 Peak 1	513.04 291.54	370.04 287.92	380.31 279.83	333.80	Lin1	6295.14134	280.480752							0.9970		0.9900
PCB-1254 Peak 2	479.88 314.25	422.64 313.50	415.37 304.93	362.16	Lin1	5932.13257	306.864326							0.9970		0.9900
PCB-1254 Peak 3	663.40 450.32	603.16 451.86	578.93 441.09	505.06	Lin1	7653.34711	442.042830							0.9980		0.9900
PCB-1254 Peak 4	298.52 195.26	272.98 196.66	251.57 192.66	218.98	Lin1	3610.68419	191.968677							0.9980		0.9900
PCB-1254 Peak 5	574.80 404.86	555.56 414.41	502.71 407.15	448.31	Lin1	6068.19969	404.636861							0.9990		0.9900

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

FORM VI

PCBS INITIAL CALIBRATION DATA

EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 17:39 Calibration End Date: 10/25/2013 19:57 Calibration ID: 16052

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL12154 280-197868/14	10251314.D
Level 2	STDL22154 280-197868/13	10251313.D
Level 3	STDL32154 280-197868/12	10251312.D
Level 4	STDL42154 280-197868/11	10251311.D
Level 5	STDL52154 280-197868/10	10251310.D
Level 6	STDL62154 280-197868/9	10251309.D
Level 7	STDL72154 280-197868/8	10251308.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1221 Peak 1	Lin1	3475 68689	7001 89172	12339	26150	46952	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 2	Lin1	2445 45526	4564 58449	8229	17654	31117	25.0 750	50.0 1000	100	250	500
PCB-1221 Peak 3	Lin1	8314 148330	15687 189445	27630	58107	101519	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 1	Lin1	12826 215942	18502 279832	38031	83451	145768	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 2	Lin1	11997 235122	21132 304932	41537	90541	157126	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 3	Lin1	16585 338892	30158 441086	57893	126266	225158	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 4	Lin1	7463 147494	13649 192655	25157	54744	97629	25.0 750	50.0 1000	100	250	500
PCB-1254 Peak 5	Lin1	14370 310807	27778 407145	50271	112078	202432	25.0 750	50.0 1000	100	250	500

Curve Type Legend:

Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251308.D
Lims ID: STDL72154 Client ID:
Inject. Date: 25-Oct-2013 17:39:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL72154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 8
Lims Batch ID: 197868 Lims Sample ID: 8
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:28 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	110095	1004.1		100.0	
1	2	4.470	4.470	0.000	58335	972.2	16.6- 96.6	53.0	
1	3	4.527	4.527	0.000	240758	978.9	188.7- 268.7	218.7	
			Average of Peak Amounts =			985.1			
2	4	4.230	4.230	0.000	89172	971.8		100.0	
2	5	4.420	4.420	0.000	58449	964.6	26.3- 106.3	65.5	
2	6	4.500	4.500	0.000	189445	961.0	176.2- 256.2	212.4	
			Average of Peak Amounts =			965.8			
						RPD = 1.98			
7 PCB-1254									
1	1	7.257	7.260	-0.003	297221	985.0		100.0	
1	2	8.160	8.163	-0.003	334404	991.0	67.8- 147.8	112.5	
1	3	8.370	8.373	-0.003	546785	963.7	138.1- 218.1	184.0	
1	4	9.177	9.180	-0.003	431452	988.4	101.4- 181.4	145.2	
1	5	9.660	9.663	-0.003	590686	997.6	149.4- 229.4	198.7	
			Average of Peak Amounts =			985.2			
2	6	7.387	7.387	0.000	279832	975.2		100.0	
2	7	7.710	7.710	0.000	304932	974.4	67.8- 147.8	109.0	
2	8	8.483	8.483	0.000	441086	980.5	114.5- 194.5	157.6	
2	9	9.187	9.190	-0.003	192655	984.8	27.0- 107.0	68.8	
2	10	9.803	9.807	-0.004	407145	991.2	98.9- 178.9	145.5	
			Average of Peak Amounts =			981.2			
						RPD = 0.40			
S 15 Polychlorinated biphenyls, Total									
1						1970.2			
2						1947.0			
						RPD = 1.19			

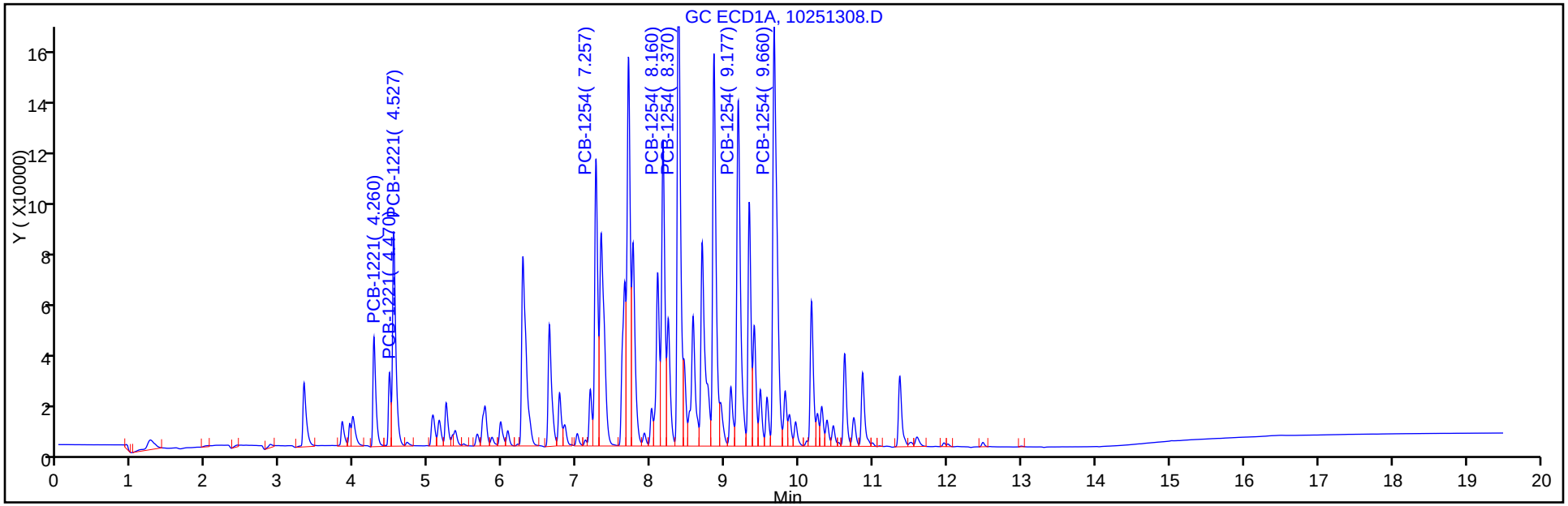
Report Date: 29-Oct-2013 12:13:29 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

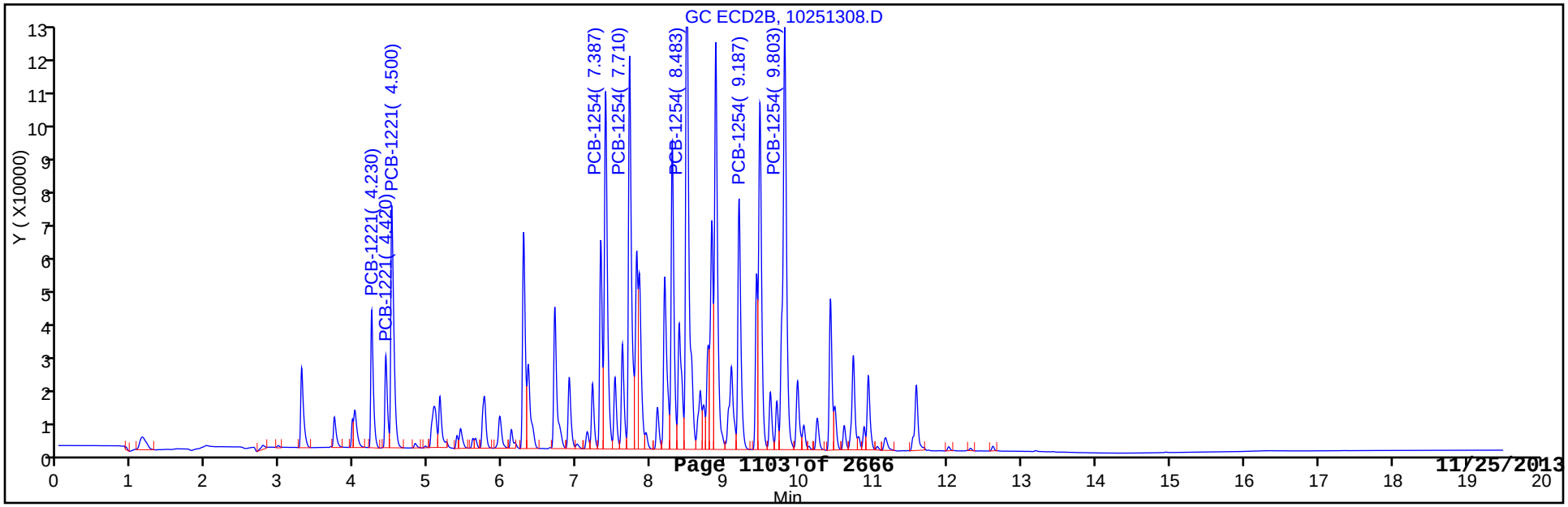
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251308.D

Injection Date:	25-Oct-2013 17:39:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	8
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D
Lims ID: STDL62154 Client ID:
Inject. Date: 25-Oct-2013 18:02:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL62154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 9
Lims Batch ID: 197868 Lims Sample ID: 9
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:27 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:05

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	81557	738.5		100.0	
1	2	4.470	4.470	0.000	45090	745.4	16.6- 96.6	55.3	
1	3	4.527	4.527	0.000	182693	736.9	188.7- 268.7	224.0	
			Average of Peak Amounts =			740.3			
2	4	4.230	4.230	0.000	68689	743.6		100.0	
2	5	4.420	4.420	0.000	45526	746.1	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	148330	746.6	176.2- 256.2	215.9	
			Average of Peak Amounts =			745.4			
						RPD = 0.69			
7 PCB-1254									M
1	1	7.257	7.260	-0.003	223783	736.6		100.0	
1	2	8.163	8.163	0.000	256020	756.3	67.8- 147.8	114.4	M
1	3	8.370	8.373	-0.003	443771	778.8	138.1- 218.1	198.3	M
1	4	9.177	9.180	-0.003	329042	749.7	101.4- 181.4	147.0	M
1	5	9.663	9.663	0.000	446221	750.7	149.4- 229.4	199.4	M
			Average of Peak Amounts =			754.4			
2	6	7.387	7.387	0.000	215942	747.5		100.0	
2	7	7.710	7.710	0.000	235122	746.9	67.8- 147.8	108.9	
2	8	8.483	8.483	0.000	338892	749.3	114.5- 194.5	156.9	
2	9	9.187	9.190	-0.003	147494	749.5	27.0- 107.0	68.3	
2	10	9.803	9.807	-0.004	310807	753.1	98.9- 178.9	143.9	
			Average of Peak Amounts =			749.3			
						RPD = 0.69			
S 15 Polychlorinated biphenyls, Total									
1						1494.7			
2						1494.7			
						RPD = 0.00			

QC Flag Legend

Review Flags
M - Manually Integrated

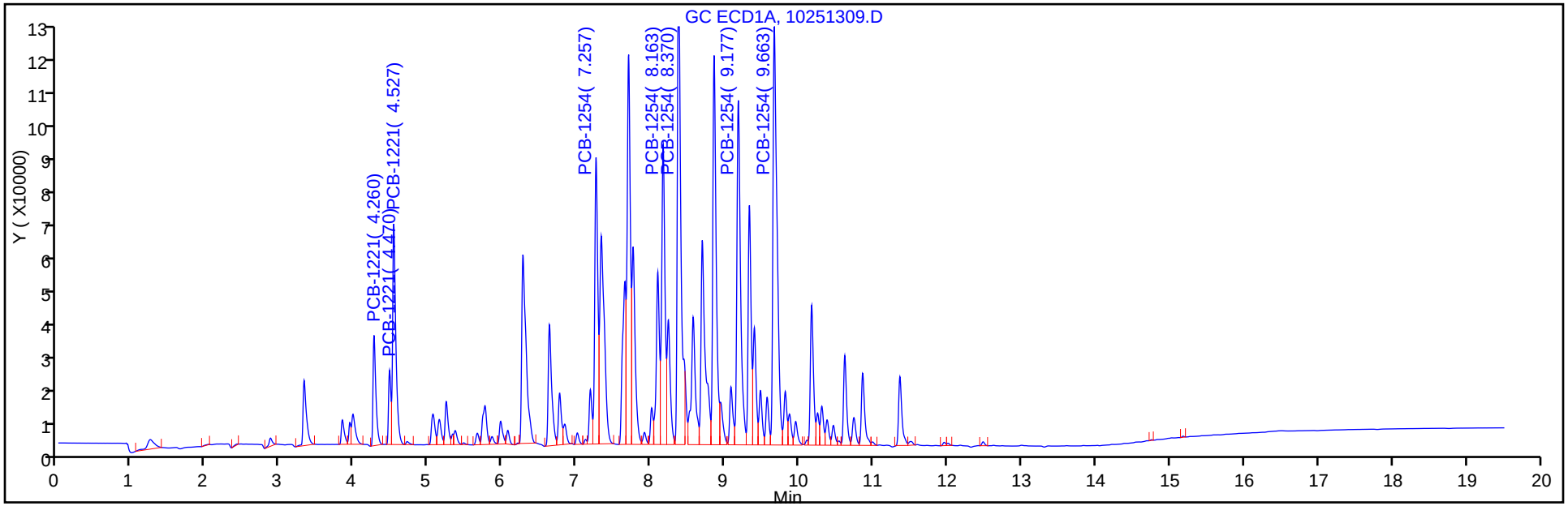
Report Date: 29-Oct-2013 12:13:27 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

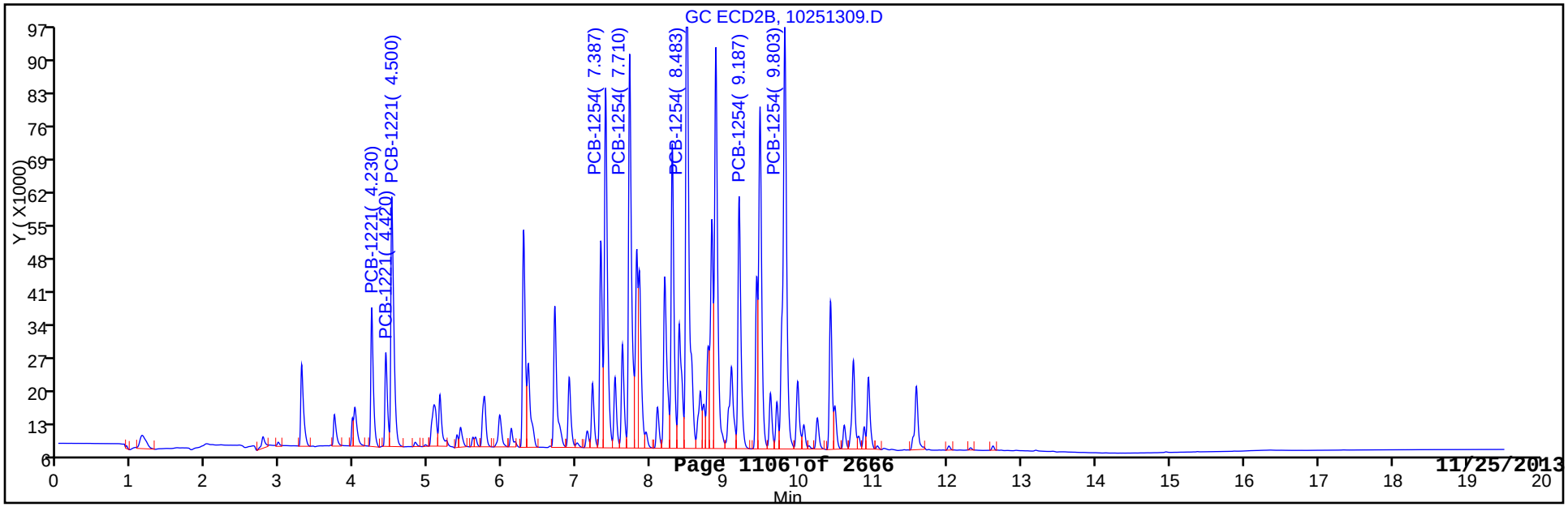
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251309.D

Injection Date:	25-Oct-2013 18:02:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	9
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251310.D
Lims ID: STDL52154 Client ID:
Inject. Date: 25-Oct-2013 18:25:06 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 5
Sample ID: STDL52154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 10
Lims Batch ID: 197868 Lims Sample ID: 10
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:25 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:15:39

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	55314	494.2		100.0	
1	2	4.470	4.470	0.000	31290	509.1	16.6- 96.6	56.6	
1	3	4.527	4.527	0.000	126516	502.8	188.7- 268.7	228.7	
			Average of Peak Amounts =			502.0			
2	4	4.230	4.230	0.000	46952	501.3		100.0	
2	5	4.420	4.420	0.000	31117	502.5	26.3- 106.3	66.3	
2	6	4.500	4.500	0.000	101519	502.5	176.2- 256.2	216.2	
			Average of Peak Amounts =			502.1			
						RPD = 0.02			
7 PCB-1254									
1	1	7.260	7.260	0.000	153726	499.7		100.0	
1	2	8.163	8.163	0.000	165763	485.9	67.8- 147.8	107.8	
1	3	8.373	8.373	0.000	273828	473.7	138.1- 218.1	178.1	
1	4	9.180	9.180	0.000	217309	489.3	101.4- 181.4	141.4	
1	5	9.663	9.663	0.000	291119	485.6	149.4- 229.4	189.4	
			Average of Peak Amounts =			486.8			
2	6	7.387	7.387	0.000	145768	497.3		100.0	
2	7	7.710	7.710	0.000	157126	492.7	67.8- 147.8	107.8	
2	8	8.483	8.483	0.000	225158	492.0	114.5- 194.5	154.5	
2	9	9.190	9.190	0.000	97629	489.8	27.0- 107.0	67.0	
2	10	9.807	9.807	0.000	202432	485.3	98.9- 178.9	138.9	
			Average of Peak Amounts =			491.4			
						RPD = 0.93			
S 15 Polychlorinated biphenyls, Total									
1						988.9			
2						993.5			
						RPD = 0.47			

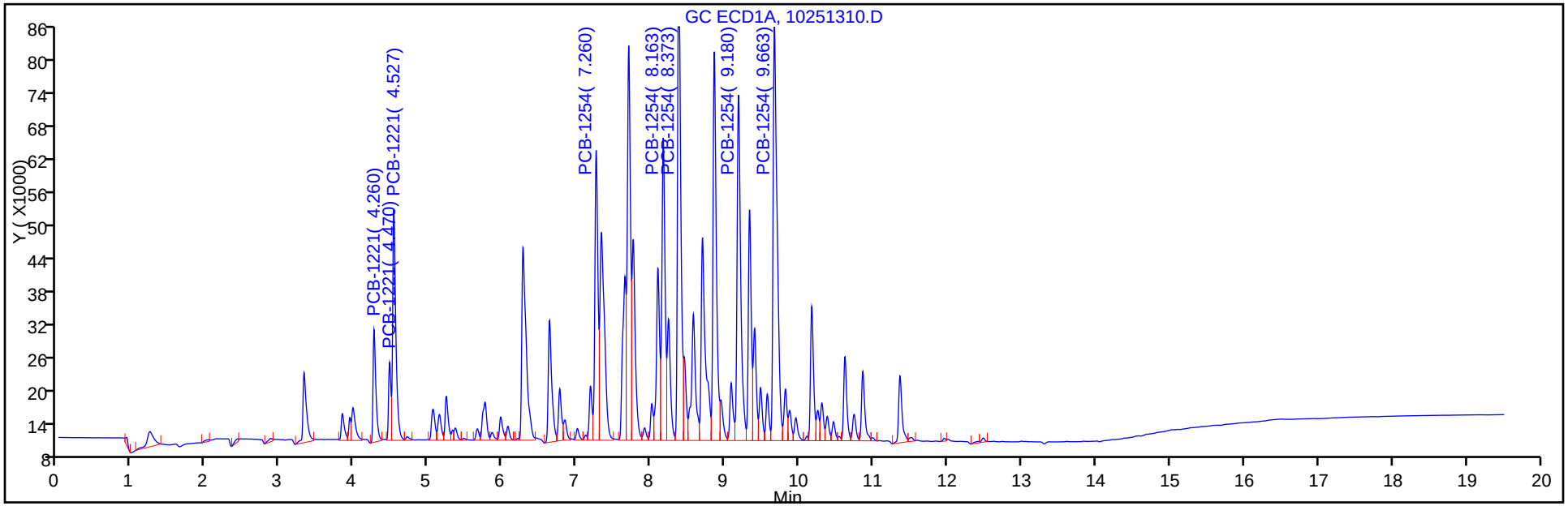
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TestAmerica Denver

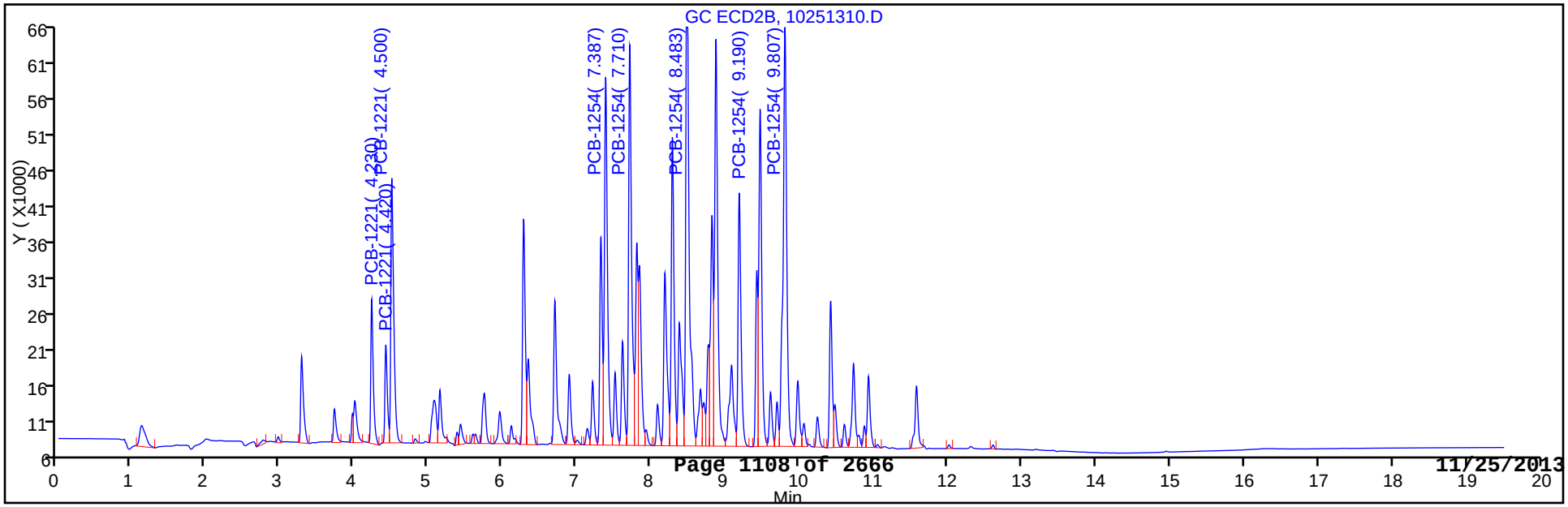
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251310.D

Injection Date:	25-Oct-2013 18:25:06	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	10
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251311.D
Lims ID: STDL42154 Client ID:
Inject. Date: 25-Oct-2013 18:48:21 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL42154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 11
Lims Batch ID: 197868 Lims Sample ID: 11
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:23:22

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.260	4.260	0.000	29983	258.4		100.0	
1	2	4.470	4.470	0.000	17372	270.8	16.6- 96.6	57.9	
1	3	4.527	4.527	0.000	71180	272.1	188.7- 268.7	237.4	
			Average of Peak Amounts =			267.1			
2	4	4.230	4.230	0.000	26150	269.6		100.0	
2	5	4.420	4.420	0.000	17654	274.9	26.3- 106.3	67.5	
2	6	4.500	4.500	0.000	58107	276.2	176.2- 256.2	222.2	
			Average of Peak Amounts =			273.5			
						RPD = 2.37			
7 PCB-1254									M
1	1	7.260	7.260	0.000	85465	268.8		100.0	M
1	2	8.167	8.163	0.004	90266	259.8	67.8- 147.8	105.6	M
1	3	8.377	8.373	0.004	162887	274.6	138.1- 218.1	190.6	M
1	4	9.180	9.180	0.000	120386	263.4	101.4- 181.4	140.9	M
1	5	9.667	9.663	0.004	158367	258.7	149.4- 229.4	185.3	M
			Average of Peak Amounts =			265.1			
2	6	7.387	7.387	0.000	83451	275.1		100.0	
2	7	7.713	7.710	0.003	90541	275.7	67.8- 147.8	108.5	
2	8	8.487	8.483	0.004	126266	268.3	114.5- 194.5	151.3	
2	9	9.190	9.190	0.000	54744	266.4	27.0- 107.0	65.6	
2	10	9.807	9.807	0.000	112078	262.0	98.9- 178.9	134.3	
			Average of Peak Amounts =			269.5			
						RPD = 1.66			
S 15 Polychlorinated biphenyls, Total									
1						532.2			
2						543.0			
						RPD = 2.02			

QC Flag Legend

Review Flags
M - Manually Integrated

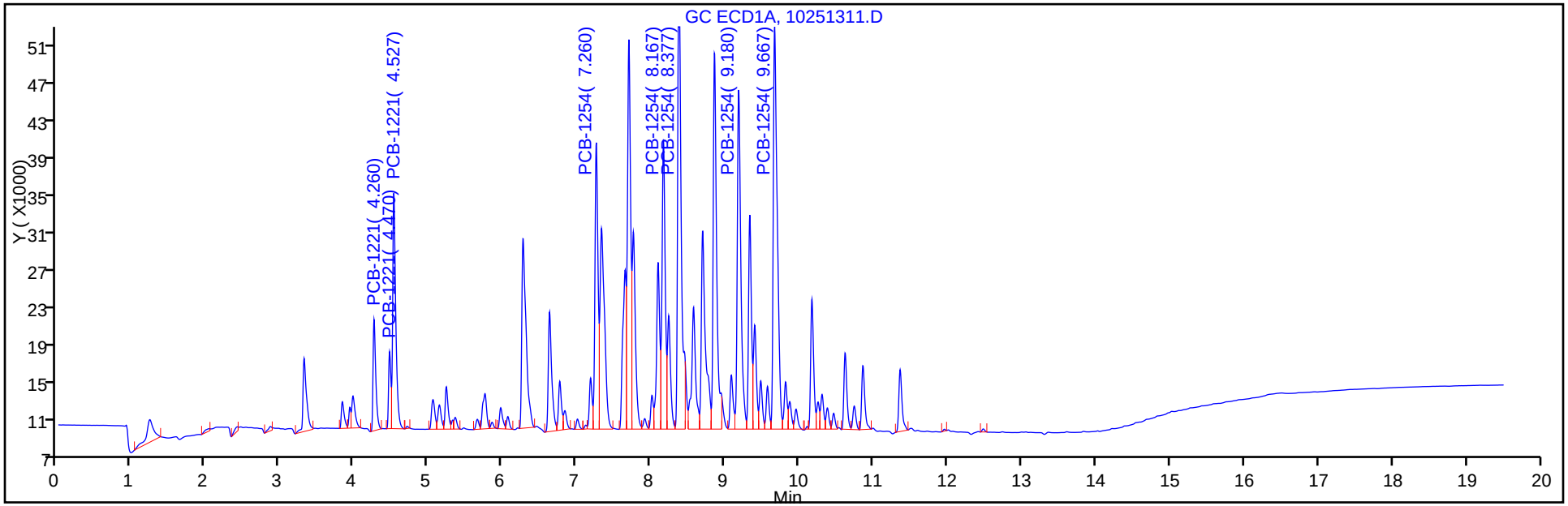
Report Date: 29-Oct-2013 12:13:25 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

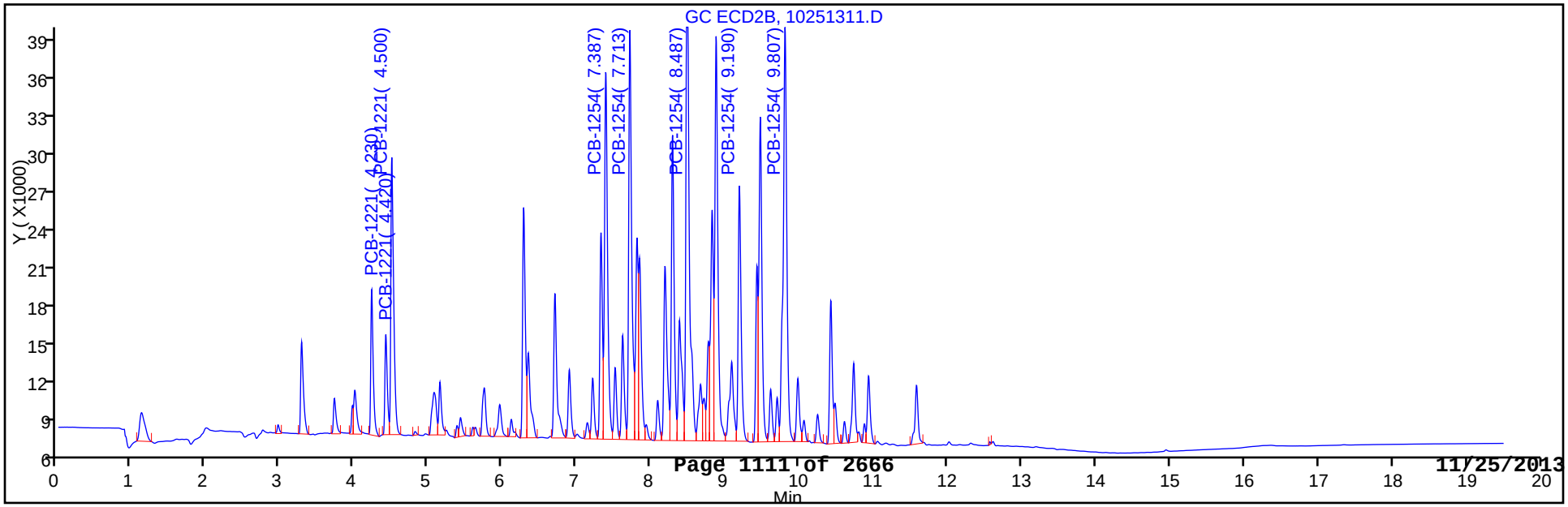
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Injection Date:	25-Oct-2013 18:48:21	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	11
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251312.D
Lims ID: STDL32154 Client ID:
Inject. Date: 25-Oct-2013 19:11:36 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL32154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 12
Lims Batch ID: 197868 Lims Sample ID: 12
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:24 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	13620	106.1		100.0	
1	2	4.473	4.470	0.003	7720	105.5	16.6- 96.6	56.7	
1	3	4.530	4.527	0.003	32711	111.8	188.7- 268.7	240.2	
			Average of Peak Amounts =			107.8			
2	4	4.230	4.230	0.000	12339	115.7		100.0	
2	5	4.420	4.420	0.000	8229	115.5	26.3- 106.3	66.7	
2	6	4.500	4.500	0.000	27630	117.3	176.2- 256.2	223.9	
			Average of Peak Amounts =			116.1			
						RPD = 7.45			
7 PCB-1254									
1	1	7.263	7.260	0.003	39040	111.8		100.0	
1	2	8.170	8.163	0.007	39217	106.9	67.8- 147.8	100.5	
1	3	8.380	8.373	0.007	71945	111.4	138.1- 218.1	184.3	
1	4	9.187	9.180	0.007	54601	110.1	101.4- 181.4	139.9	
1	5	9.670	9.663	0.007	69922	107.6	149.4- 229.4	179.1	
			Average of Peak Amounts =			109.5			
2	6	7.390	7.387	0.003	38031	113.1		100.0	
2	7	7.717	7.710	0.007	41537	116.0	67.8- 147.8	109.2	
2	8	8.490	8.483	0.007	57893	113.7	114.5- 194.5	152.2	
2	9	9.193	9.190	0.003	25157	112.2	27.0- 107.0	66.1	
2	10	9.810	9.807	0.003	50271	109.2	98.9- 178.9	132.2	
			Average of Peak Amounts =			112.9			
						RPD = 3.00			
S 15 Polychlorinated biphenyls, Total									
1						217.3			
2						229.0			
						RPD = 5.23			

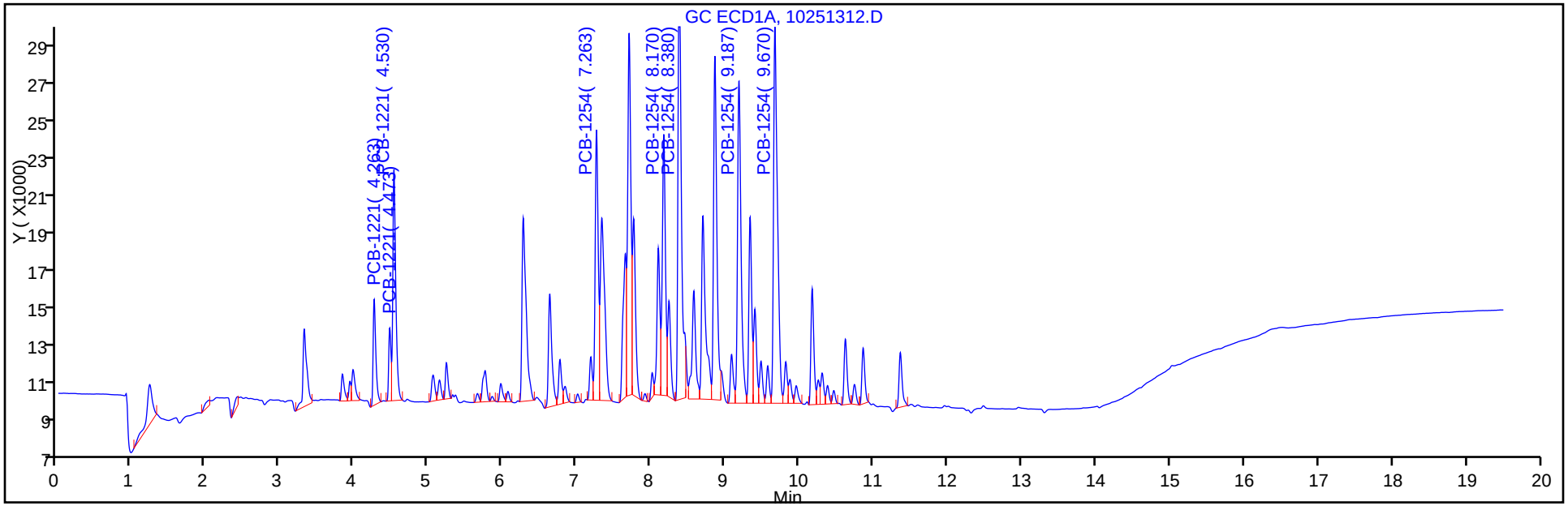
Report Date: 29-Oct-2013 12:13:24 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

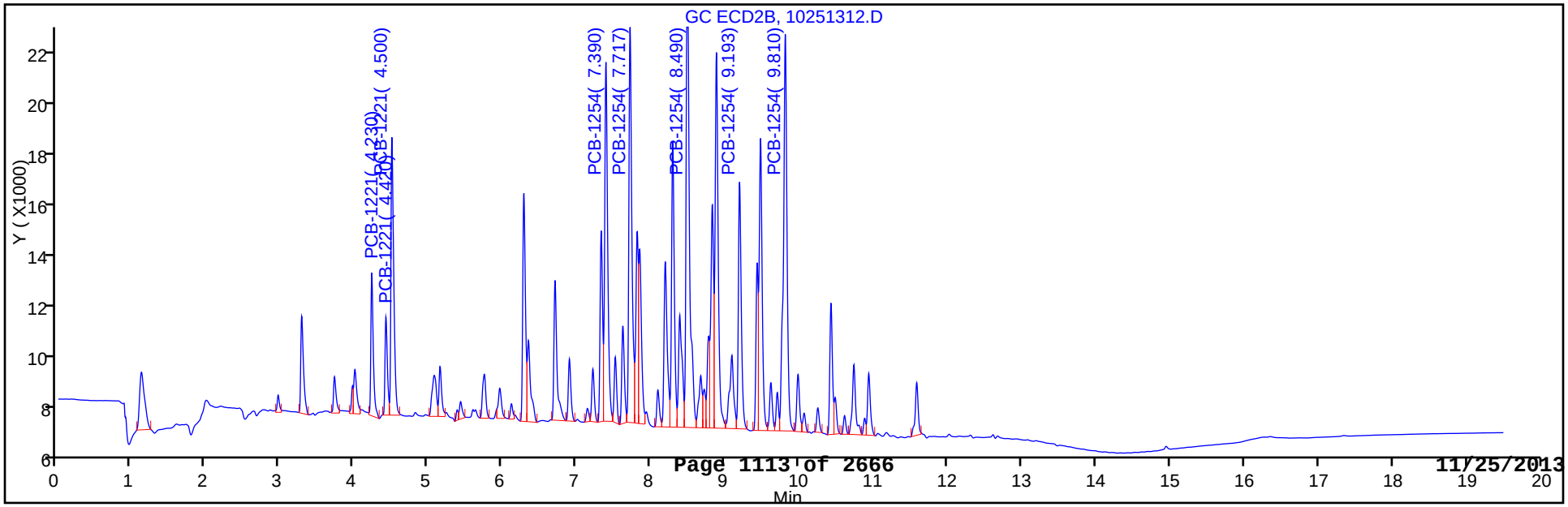
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Injection Date:	25-Oct-2013 19:11:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	12
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D
Lims ID: STDL22154 Client ID:
Inject. Date: 25-Oct-2013 19:34:37 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL22154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 13
Lims Batch ID: 197868 Lims Sample ID: 13
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:23 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	7669	50.7		100.0	
1	2	4.473	4.470	0.003	4479	50.0	16.6- 96.6	58.4	
1	3	4.530	4.527	0.003	18796	53.8	188.7- 268.7	245.1	
			Average of Peak Amounts =			51.5			
2	4	4.230	4.230	0.000	7001	56.2		100.0	
2	5	4.420	4.420	0.000	4564	53.6	26.3- 106.3	65.2	
2	6	4.503	4.500	0.003	15687	55.0	176.2- 256.2	224.1	
			Average of Peak Amounts =			54.9			
						RPD = 6.38			
7 PCB-1254									
1	1	7.263	7.260	0.003	22088	54.4		100.0	
1	2	8.170	8.163	0.007	21653	54.2	67.8- 147.8	98.0	
1	3	8.380	8.373	0.007	39891	53.8	138.1- 218.1	180.6	
1	4	9.183	9.180	0.003	30635	54.2	101.4- 181.4	138.7	
1	5	9.670	9.663	0.007	38273	53.5	149.4- 229.4	173.3	
			Average of Peak Amounts =			54.0			
2	6	7.390	7.387	0.003	18502	43.5		100.0	
2	7	7.713	7.710	0.003	21132	49.5	67.8- 147.8	114.2	
2	8	8.490	8.483	0.007	30158	50.9	114.5- 194.5	163.0	
2	9	9.193	9.190	0.003	13649	52.3	27.0- 107.0	73.8	
2	10	9.810	9.807	0.003	27778	53.7	98.9- 178.9	150.1	
			Average of Peak Amounts =			50.0			
						RPD = 7.80			
S 15 Polychlorinated biphenyls, Total									
1						105.5			
2						104.9			
						RPD = 0.62			

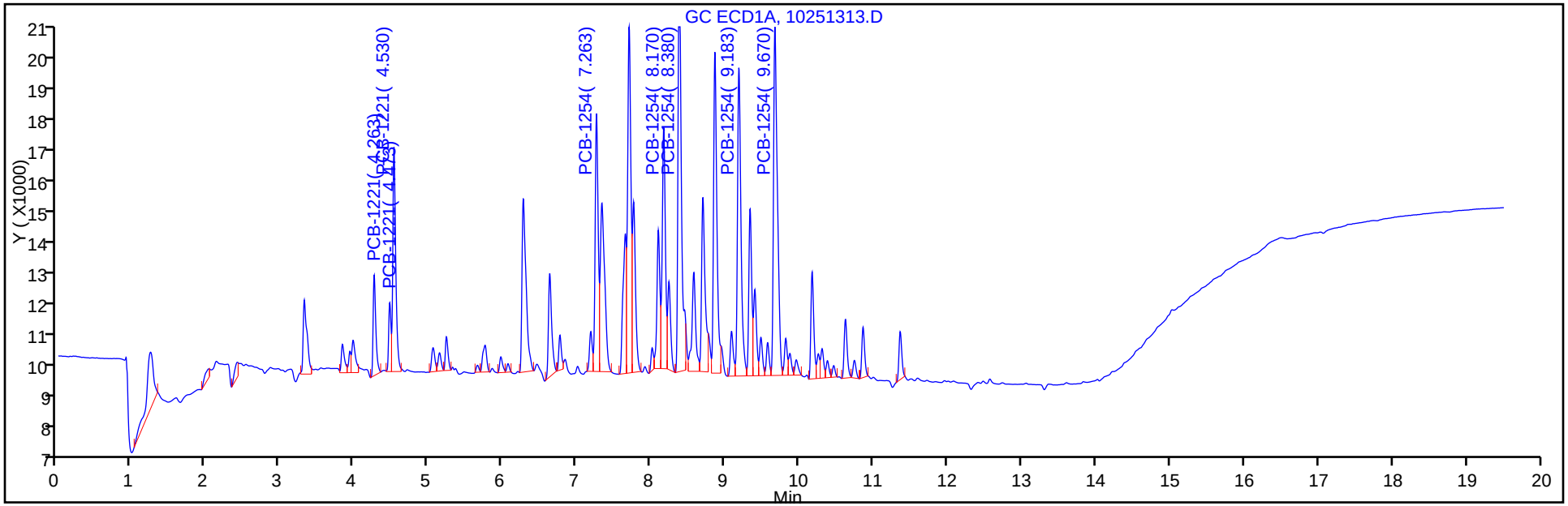
Report Date: 29-Oct-2013 12:13:23 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

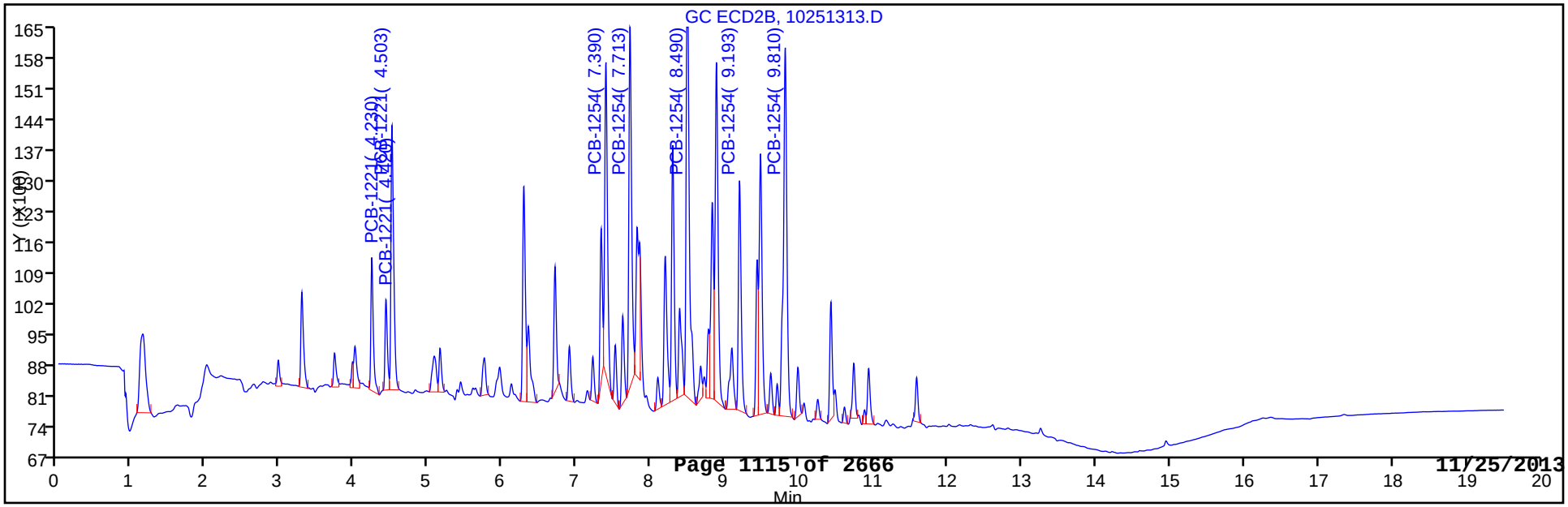
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251313.D

Injection Date:	25-Oct-2013 19:34:37	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	13
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D
Lims ID: STDL12154 Client ID:
Inject. Date: 25-Oct-2013 19:57:48 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STDL12154
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 14
Lims Batch ID: 197868 Lims Sample ID: 14
Sublist: chrom-8082_608_W*sub2
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:22 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									
1	1	4.263	4.260	0.003	4671	22.8		100.0	
1	2	4.473	4.470	0.003	2837	21.9	16.6- 96.6	60.7	
1	3	4.530	4.527	0.003	10402	18.8	188.7- 268.7	222.7	
			Average of Peak Amounts =			21.2			
2	4	4.230	4.230	0.000	3475	16.9		100.0	
2	5	4.420	4.420	0.000	2445	17.7	26.3- 106.3	70.4	
2	6	4.503	4.500	0.003	8314	16.5	176.2- 256.2	239.3	
			Average of Peak Amounts =			17.1			
						RPD = 21.55			
7 PCB-1254									
1	1	7.263	7.260	0.003	11563	18.8		100.0	
1	2	8.170	8.163	0.007	10520	20.9	67.8- 147.8	91.0	
1	3	8.380	8.373	0.007	20511	19.0	138.1- 218.1	177.4	
1	4	9.187	9.180	0.007	15893	19.9	101.4- 181.4	137.4	
1	5	9.670	9.663	0.007	19431	21.3	149.4- 229.4	168.0	
			Average of Peak Amounts =			20.0			
2	6	7.390	7.387	0.003	12826	23.3		100.0	
2	7	7.717	7.710	0.007	11997	19.8	67.8- 147.8	93.5	
2	8	8.490	8.483	0.007	16585	20.2	114.5- 194.5	129.3	
2	9	9.193	9.190	0.003	7463	20.1	27.0- 107.0	58.2	
2	10	9.810	9.807	0.003	14370	20.5	98.9- 178.9	112.0	
			Average of Peak Amounts =			20.8			
						RPD = 3.88			
S 15 Polychlorinated biphenyls, Total									
1						41.2			
2						37.8			
						RPD = 8.43			

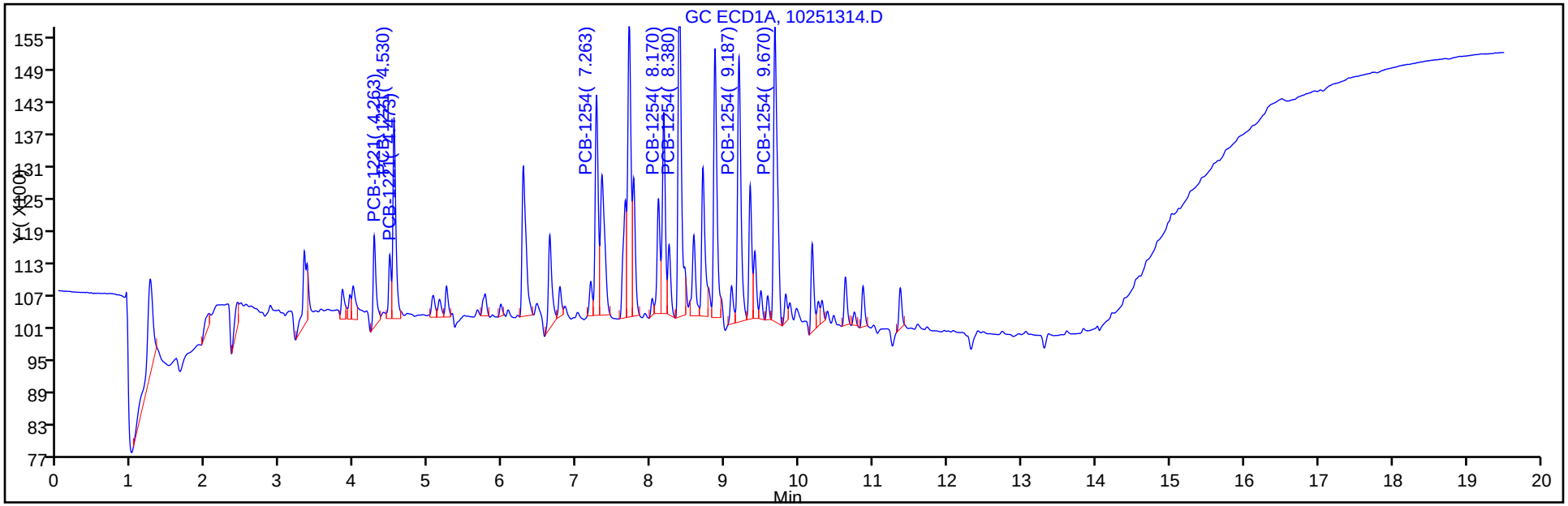
Report Date: 29-Oct-2013 12:13:22 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

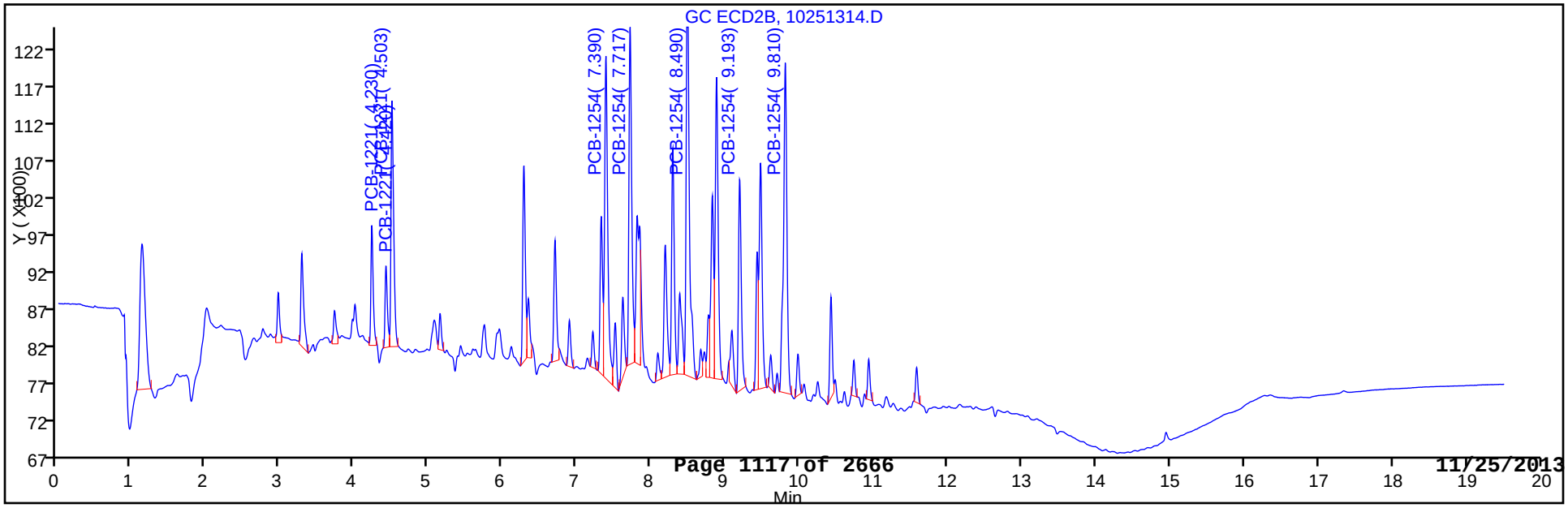
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251314.D

Injection Date:	25-Oct-2013 19:57:48	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	14
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16055

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	5.053	5.053	5.057	5.053	5.057	5.053	5.053				5.017 - 5.097	5.054
PCB-1016 Peak 2	5.757	5.757	5.760	5.760	5.760	5.760	5.757				5.720 - 5.800	5.759
PCB-1016 Peak 3	5.970	5.970	5.973	5.970	5.970	5.970	5.967				5.930 - 6.010	5.970
PCB-1016 Peak 4	6.067	6.067	6.070	6.067	6.067	6.067	6.063				6.027 - 6.107	6.067
PCB-1016 Peak 5	6.630	6.630	6.633	6.630	6.633	6.630	6.630				6.593 - 6.673	6.631
PCB-1260 Peak 1	8.700	8.697	8.697	8.693	8.697	8.693	8.690				8.657 - 8.737	8.695
PCB-1260 Peak 2	9.670	9.667	9.667	9.663	9.663	9.660	9.660				9.623 - 9.703	9.664
PCB-1260 Peak 3	10.307	10.307	10.307	10.303	10.303	10.300	10.300				10.263 - 10.343	10.304
PCB-1260 Peak 4	10.857	10.857	10.857	10.853	10.853	10.853	10.850				10.813 - 10.893	10.854
PCB-1260 Peak 5	11.360	11.357	11.357	11.357	11.357	11.353	11.353				11.317 - 11.397	11.356
Tetrachloro-m-xylene	4.003	4.003	4.003	4.003	4.003	4.003	4.003				3.963 - 4.043	4.003
DCB Decachlorobiphenyl	13.323	13.323	13.323	13.320	13.320	13.320	13.320				13.280 - 13.360	13.321

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16055

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	603.36 388.65	555.50 373.54	501.85 367.73	436.32	Lin1	8233.03068	368.861228							0.9970		0.9900
PCB-1016 Peak 2	926.60 715.06	866.44 706.24	840.86 705.18	772.44	Lin1	7772.36917	703.425202							0.9990		0.9900
PCB-1016 Peak 3	400.28 319.09	365.02 310.31	379.24 309.55	346.39	Lin1	3224.44957	311.043683							0.9980		0.9900
PCB-1016 Peak 4	223.52 210.20	207.44 213.37	218.84 213.60	219.70	Lin1	185.914197	213.159103							1.0000		0.9900
PCB-1016 Peak 5	552.96 343.65	467.46 337.09	427.39 340.89	339.20	Lin1	6236.65814	331.442016							0.9990		0.9900
PCB-1260 Peak 1	696.12 458.14	628.98 470.97	585.95 455.17	523.32	Lin1	8002.06572	455.974407							0.9980		0.9900
PCB-1260 Peak 2	1012.1 760.18	925.28 774.64	884.39 746.55	836.45	Lin1	8417.19631	754.322851							0.9990		0.9900
PCB-1260 Peak 3	504.00 381.23	449.00 375.76	454.44 352.77	413.37	Lin1	4833.48066	364.565097							0.9970		0.9900
PCB-1260 Peak 4	1048.8 846.62	967.80 861.26	970.13 781.64	913.48	Lin1	8323.86094	819.670270							0.9970		0.9900
PCB-1260 Peak 5	571.04 434.71	536.68 430.88	530.14 445.58	473.82	Lin1	4767.73906	435.625730							0.9990		0.9900
Tetrachloro-m-xylene	10426 8991.6	10422 9028.1	10086 9182.2	9514.8	Lin1	2691.12837	9062.19889							0.9990		0.9900
DCB Decachlorobiphenyl	10212 7510.5	9980.4 7620.3	9432.8 7696.7	8100.4	Lin1	4905.41469	7552.56147							0.9990		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16055

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Lin1	15084 280156	27775 367730	50185	109079	194326	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 2	Lin1	23165 529683	43322 705176	84086	193109	357528	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 3	Lin1	10007 232736	18251 309553	37924	86598	159544	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 4	Lin1	5588 160029	10372 213603	21884	54925	105101	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 5	Lin1	13824 252820	23373 340885	42739	84799	171824	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 1	Lin1	17403 353224	31449 455174	58595	130829	229072	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 2	Lin1	25303 580977	46264 746547	88439	209113	380091	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 3	Lin1	12600 281821	22450 352771	45444	103343	190617	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 4	Lin1	26220 645944	48390 781639	97013	228371	423308	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 5	Lin1	14276 323163	26834 445575	53014	118456	217355	25.0 750	50.0 1000	100	250	500
Tetrachloro-m-xylene	Lin1	13033 338555	26056 459108	50430	118935	224790	1.25 37.5	2.50 50.0	5.00	12.5	25.0
DCB Decachlorobiphenyl	Lin1	12765 285762	24951 384834	47164	101255	187762	1.25 37.5	2.50 50.0	5.00	12.5	25.0

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251315.D
Lims ID: STDL71660 Client ID:
Inject. Date: 25-Oct-2013 20:21:01 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL71660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 15
Lims Batch ID: 197868 Lims Sample ID: 15
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:21 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:24:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	459108	50.4			
2	2	3.823	3.823	0.000	364446	50.4			
						RPD = 0.09			
5 PCB-1016									
1	1	5.053	5.057	-0.004	367730	974.6		100.0	
1	2	5.757	5.760	-0.003	705176	991.4	144.0- 224.0	191.8	
1	3	5.967	5.970	-0.003	309553	984.8	42.1- 122.1	84.2	
1	4	6.063	6.067	-0.004	213603	1001.2	14.1- 94.1	58.1	
1	5	6.630	6.633	-0.003	340885	1009.7	48.4- 128.4	92.7	
			Average of Peak Amounts =			992.4			
2	6	4.500	4.500	0.000	146085	990.1		100.0	
2	7	5.080	5.080	0.000	299159	967.5	168.4- 248.4	204.8	
2	8	5.747	5.750	-0.003	538071	988.3	317.6- 397.6	368.3	
2	9	5.957	5.957	0.000	253455	988.5	127.5- 207.5	173.5	
2	10	6.280	6.280	0.000	132153	991.9	47.1- 127.1	90.5	
			Average of Peak Amounts =			985.3			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.690	8.697	-0.007	455174	980.7		100.0	
1	2	9.660	9.663	-0.003	746547	978.5	125.9- 205.9	164.0	
1	3	10.300	10.303	-0.003	352771	954.4	43.2- 123.2	77.5	
1	4	10.850	10.853	-0.003	781639	943.4	144.8- 224.8	171.7	
1	5	11.353	11.357	-0.004	445575	1011.9	54.9- 134.9	97.9	
			Average of Peak Amounts =			973.8			
2	6	8.820	8.823	-0.003	352618	993.6		100.0	
2	7	9.187	9.187	0.000	376735	993.1	67.1- 147.1	106.8	
2	8	9.963	9.967	-0.004	247190	997.7	29.7- 109.7	70.1	
2	9	10.477	10.480	-0.003	271702	1004.9	35.3- 115.3	77.1	
2	10	10.927	10.930	-0.003	537757	1001.3	108.5- 188.5	152.5	
			Average of Peak Amounts =			998.1			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	384834	50.3			
2	2	13.590	13.590	0.000	258239	49.9			
						RPD = 0.79			
S 15 Polychlorinated biphenyls, Total									
1						1966.1			
2						1983.4			
						RPD = 0.87			

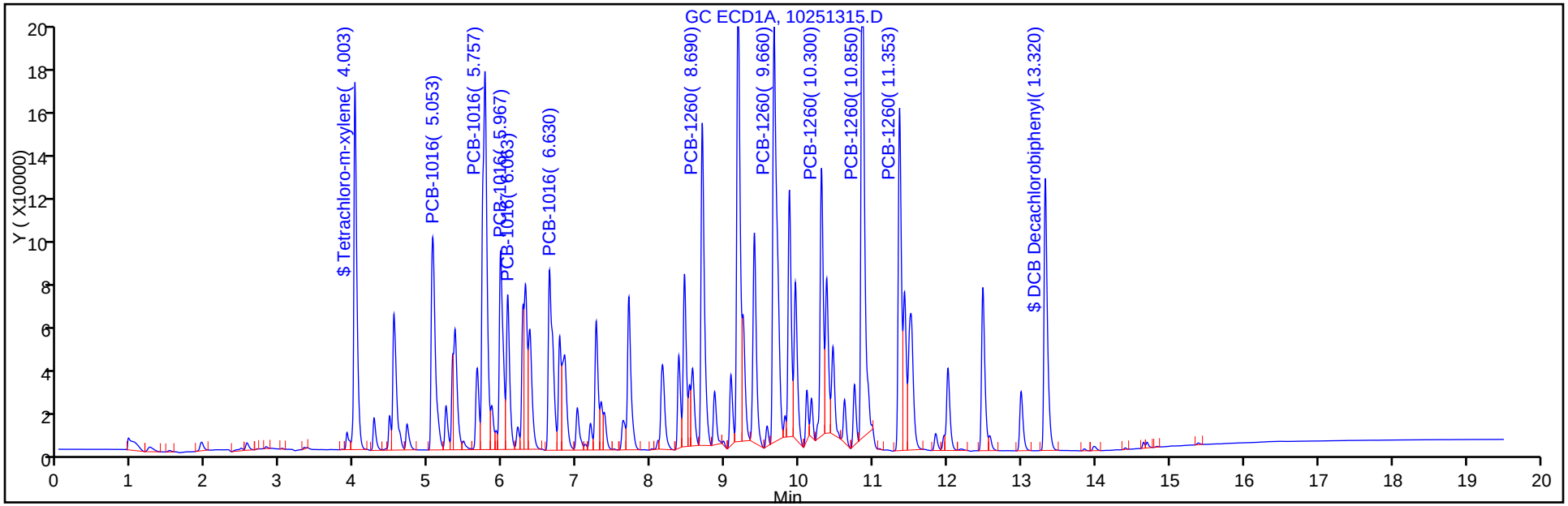
Report Date: 29-Oct-2013 12:13:21 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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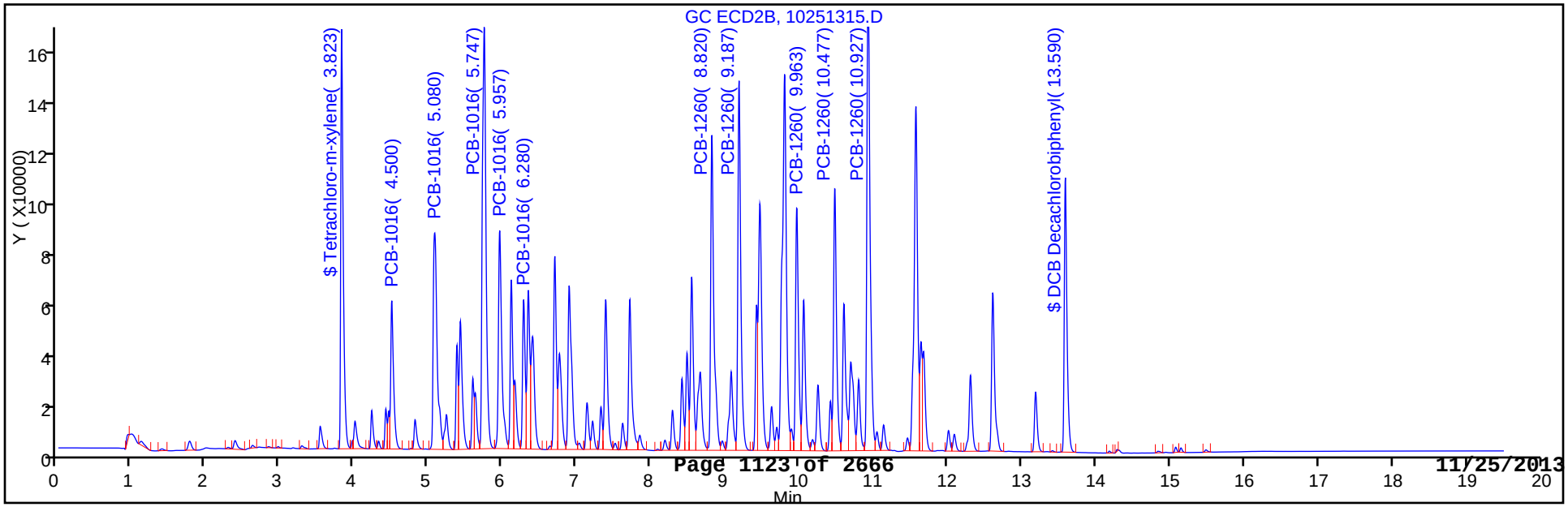
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251315.D

Injection Date:	25-Oct-2013 20:21:01	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	15
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251316.D		
Lims ID:	STDL61660	Client ID:	
Inject. Date:	25-Oct-2013 20:44:14	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STDL61660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	197868	Lims Sample ID:	16
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:19	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	338555	37.1			
2	2	3.823	3.823	0.000	270312	37.3			
						RPD = 0.53			
5 PCB-1016									
1	1	5.053	5.057	-0.004	280156	737.2		100.0	
1	2	5.760	5.760	0.000	529683	742.0	144.0- 224.0	189.1	
1	3	5.970	5.970	0.000	232736	737.9	42.1- 122.1	83.1	
1	4	6.067	6.067	0.000	160029	749.9	14.1- 94.1	57.1	
1	5	6.630	6.633	-0.003	252820	744.0	48.4- 128.4	90.2	
			Average of Peak Amounts =			742.2			
2	6	4.500	4.500	0.000	107417	722.5		100.0	
2	7	5.080	5.080	0.000	229297	735.8	168.4- 248.4	213.5	
2	8	5.750	5.750	0.000	403509	736.8	317.6- 397.6	375.6	
2	9	5.957	5.957	0.000	190170	736.3	127.5- 207.5	177.0	
2	10	6.280	6.280	0.000	98745	735.2	47.1- 127.1	91.9	
			Average of Peak Amounts =			733.3			
						RPD = 1.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.693	8.697	-0.004	353224	757.1		100.0	
1	2	9.660	9.663	-0.003	580977	759.0	125.9- 205.9	164.5	
1	3	10.300	10.303	-0.003	281821	759.8	43.2- 123.2	79.8	
1	4	10.853	10.853	0.000	645944	777.9	144.8- 224.8	182.9	
1	5	11.353	11.357	-0.004	323163	730.9	54.9- 134.9	91.5	
			Average of Peak Amounts =			756.9			
2	6	8.820	8.823	-0.003	263950	738.9		100.0	
2	7	9.187	9.187	0.000	282172	738.4	67.1- 147.1	106.9	
2	8	9.967	9.967	0.000	183444	736.2	29.7- 109.7	69.5	
2	9	10.480	10.480	0.000	199946	735.5	35.3- 115.3	75.8	
2	10	10.930	10.930	0.000	401200	743.6	108.5- 188.5	152.0	
			Average of Peak Amounts =			738.5			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	285762	37.2			
2	2	13.590	13.590	0.000	192336	36.9			
						RPD = 0.66			
S 15 Polychlorinated biphenyls, Total									
1						1499.1			
2						1471.8			
						RPD = 1.84			

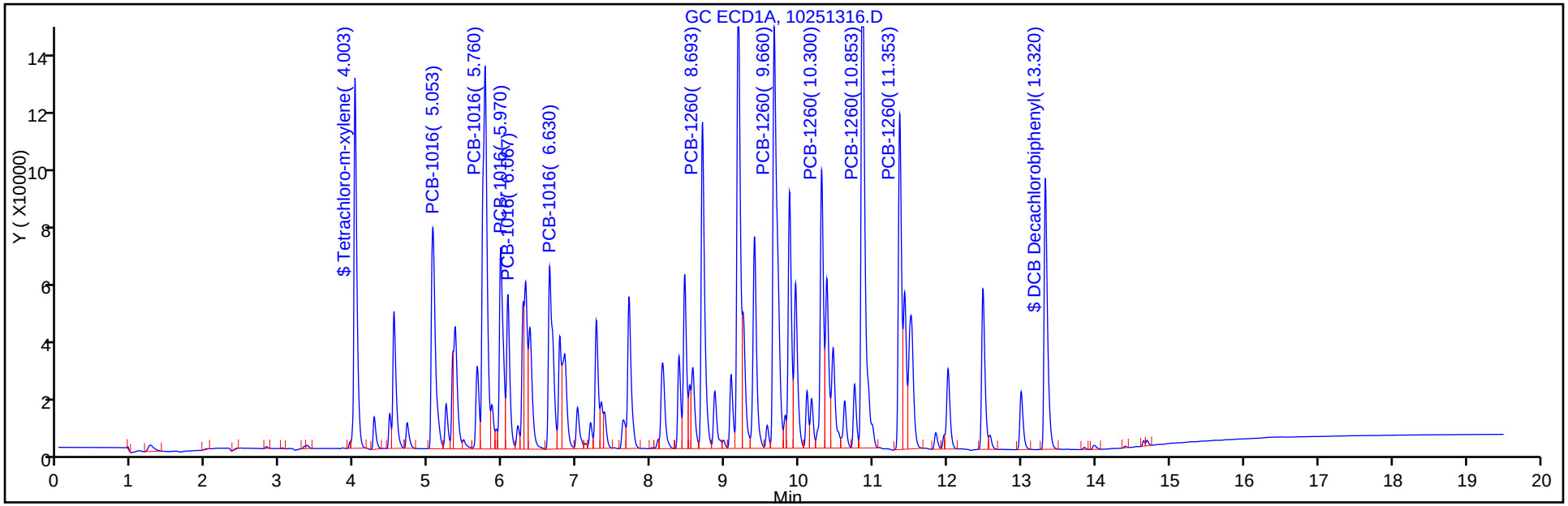
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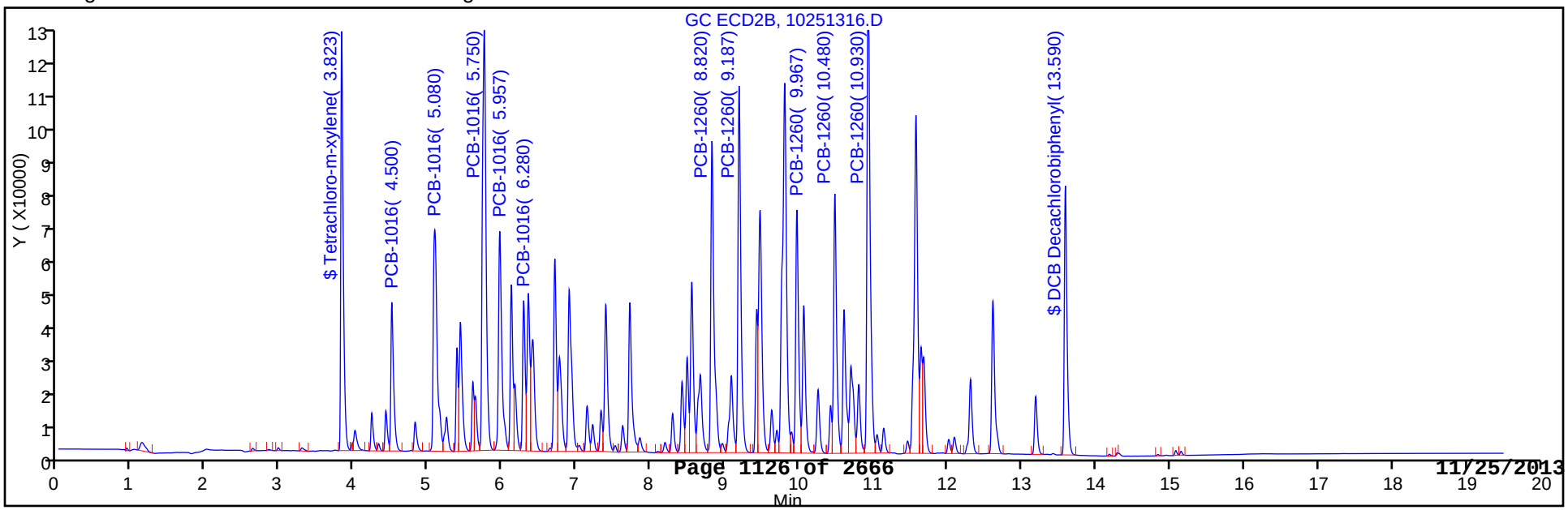
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251316.D

Injection Date:	25-Oct-2013 20:44:14	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	16
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251317.D		
Lims ID:	STDL51660	Client ID:	
Inject. Date:	25-Oct-2013 21:07:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	197868	Lims Sample ID:	17
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:18	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:16:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	224790	24.5			
2	2	3.823	3.823	0.000	177880	24.3			
						RPD = 0.65			
5 PCB-1016									
1	1	5.057	5.057	0.000	194326	504.5		100.0	
1	2	5.760	5.760	0.000	357528	497.2	144.0- 224.0	184.0	
1	3	5.970	5.970	0.000	159544	502.6	42.1- 122.1	82.1	
1	4	6.067	6.067	0.000	105101	492.2	14.1- 94.1	54.1	
1	5	6.633	6.633	0.000	171824	499.6	48.4- 128.4	88.4	
			Average of Peak Amounts =			499.2			
2	6	4.500	4.500	0.000	76818	510.7		100.0	
2	7	5.080	5.080	0.000	160069	506.2	168.4- 248.4	208.4	
2	8	5.750	5.750	0.000	274707	496.2	317.6- 397.6	357.6	
2	9	5.957	5.957	0.000	128707	491.4	127.5- 207.5	167.5	
2	10	6.280	6.280	0.000	66907	490.5	47.1- 127.1	87.1	
			Average of Peak Amounts =			499.0			
						RPD = 0.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	229072	484.8		100.0	
1	2	9.663	9.663	0.000	380091	492.7	125.9- 205.9	165.9	
1	3	10.303	10.303	0.000	190617	509.6	43.2- 123.2	83.2	
1	4	10.853	10.853	0.000	423308	506.3	144.8- 224.8	184.8	
1	5	11.357	11.357	0.000	217355	488.0	54.9- 134.9	94.9	
			Average of Peak Amounts =			496.3			
2	6	8.823	8.823	0.000	178979	494.9		100.0	
2	7	9.187	9.187	0.000	191602	494.4	67.1- 147.1	107.1	
2	8	9.967	9.967	0.000	124754	495.5	29.7- 109.7	69.7	
2	9	10.480	10.480	0.000	134753	490.6	35.3- 115.3	75.3	
2	10	10.930	10.930	0.000	265729	487.9	108.5- 188.5	148.5	
			Average of Peak Amounts =			492.7			
						RPD = 0.74			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	187762	24.2			
2	2	13.590	13.590	0.000	129334	24.5			
						RPD = 1.37			
S 15 Polychlorinated biphenyls, Total									
1						995.5			
2						991.6			
						RPD = 0.39			

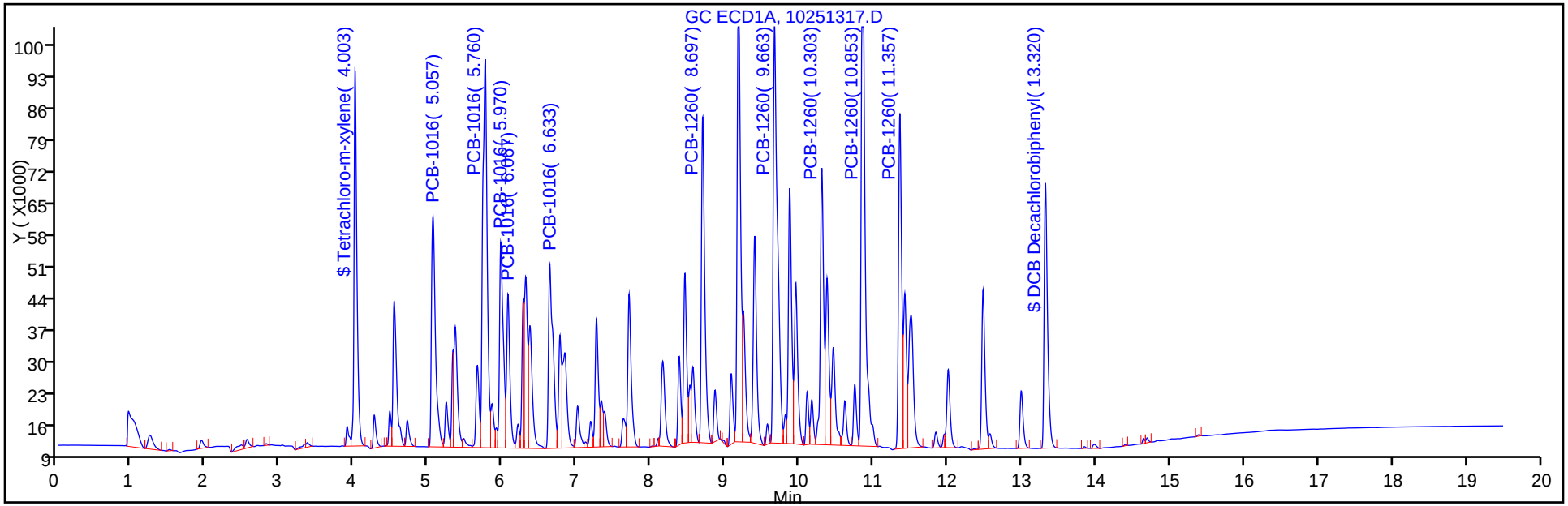
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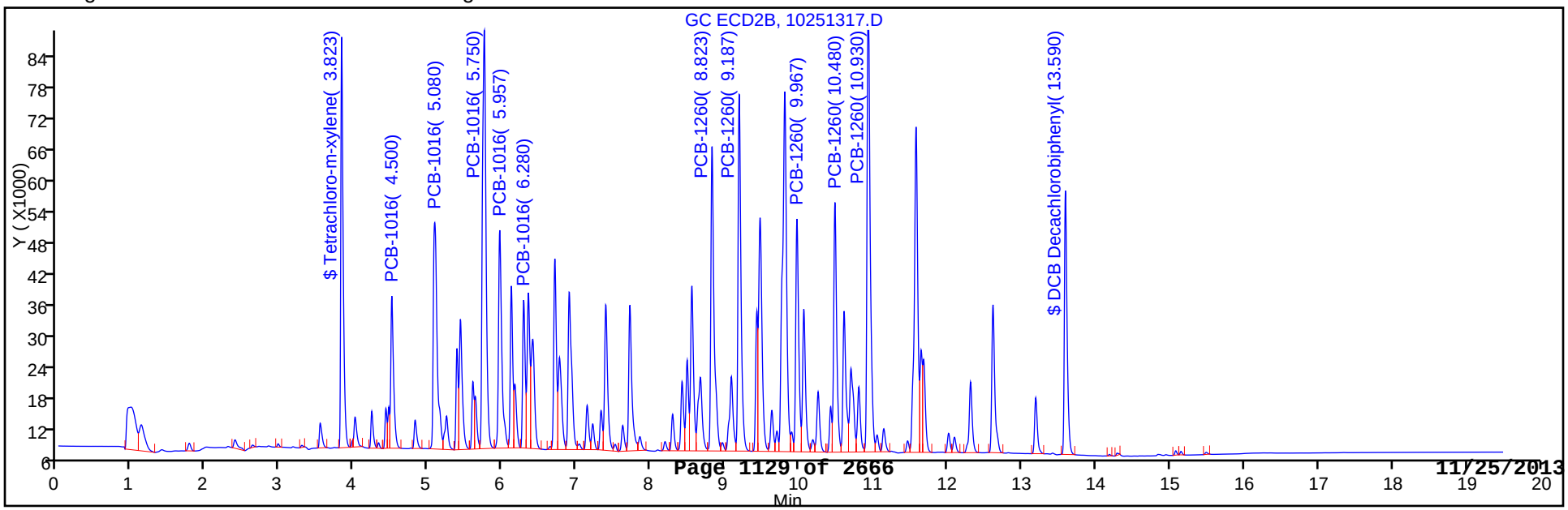
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Injection Date:	25-Oct-2013 21:07:40	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	17
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251318.D		
Lims ID:	STDL41660	Client ID:	
Inject. Date:	25-Oct-2013 21:30:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL41660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	197868	Lims Sample ID:	18
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:17	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:30:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	118935	12.8			
2	2	3.823	3.823	0.000	94793	12.7			
						RPD = 0.66			
5 PCB-1016									M
1	1	5.053	5.057	-0.004	109079	273.4		100.0	
1	2	5.760	5.760	0.000	193109	263.5	144.0- 224.0	177.0	M
1	3	5.970	5.970	0.000	86598	268.0	42.1- 122.1	79.4	M
1	4	6.067	6.067	0.000	54925	256.8	14.1- 94.1	50.4	M
1	5	6.630	6.633	-0.003	84799	237.0	48.4- 128.4	77.7	
			Average of Peak Amounts =			259.8			
2	6	4.500	4.500	0.000	41562	266.7		100.0	
2	7	5.080	5.080	0.000	90998	277.2	168.4- 248.4	218.9	
2	8	5.747	5.750	-0.003	153651	269.9	317.6- 397.6	369.7	
2	9	5.957	5.957	0.000	74351	274.8	127.5- 207.5	178.9	
2	10	6.280	6.280	0.000	38387	271.3	47.1- 127.1	92.4	
			Average of Peak Amounts =			272.0			
						RPD = 4.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	130829	269.4		100.0	M
1	2	9.663	9.663	0.000	209113	266.1	125.9- 205.9	159.8	M
1	3	10.303	10.303	0.000	103343	270.2	43.2- 123.2	79.0	M
1	4	10.853	10.853	0.000	228371	268.5	144.8- 224.8	174.6	M
1	5	11.357	11.357	0.000	118456	261.0	54.9- 134.9	90.5	
			Average of Peak Amounts =			267.0			
2	6	8.823	8.823	0.000	98871	264.8		100.0	
2	7	9.190	9.187	0.003	106199	264.4	67.1- 147.1	107.4	
2	8	9.970	9.967	0.003	68113	263.1	29.7- 109.7	68.9	
2	9	10.480	10.480	0.000	73518	260.6	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	144951	260.0	108.5- 188.5	146.6	
			Average of Peak Amounts =			262.6			
						RPD = 1.68			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	101255	12.8			
2	2	13.590	13.590	0.000	71397	13.1			
						RPD = 2.98			
S 15 Polychlorinated biphenyls, Total									
1						526.8			
2						534.5			
						RPD = 1.47			

QC Flag Legend

Review Flags
M - Manually Integrated

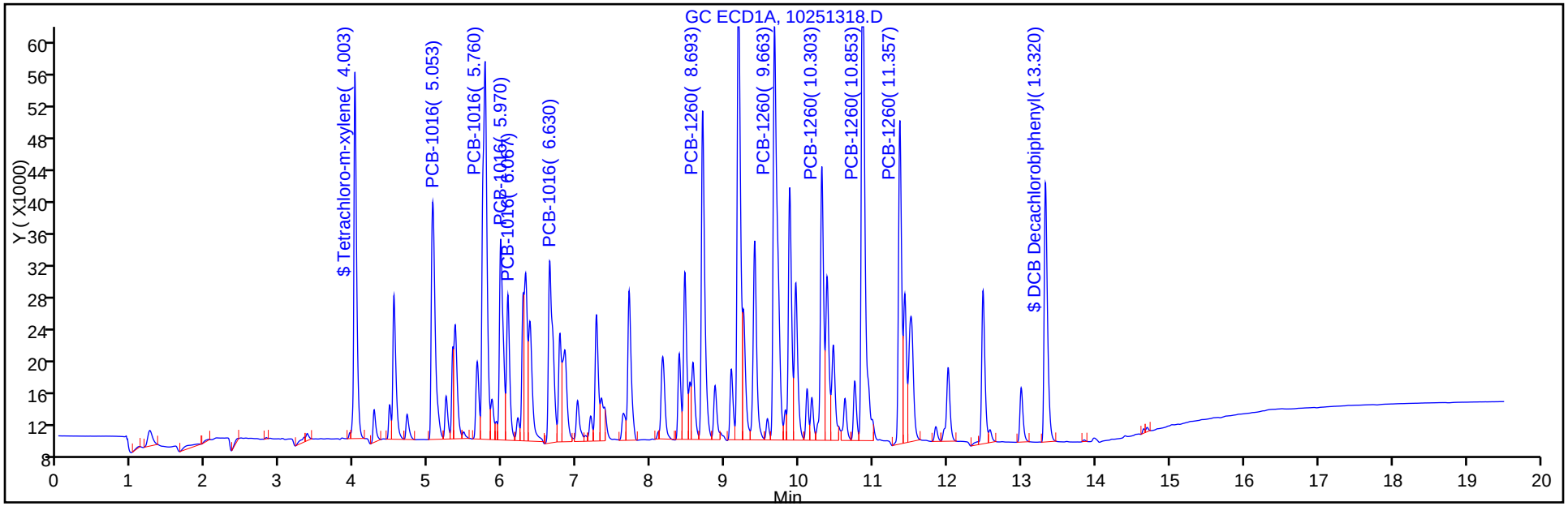
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TestAmerica Denver

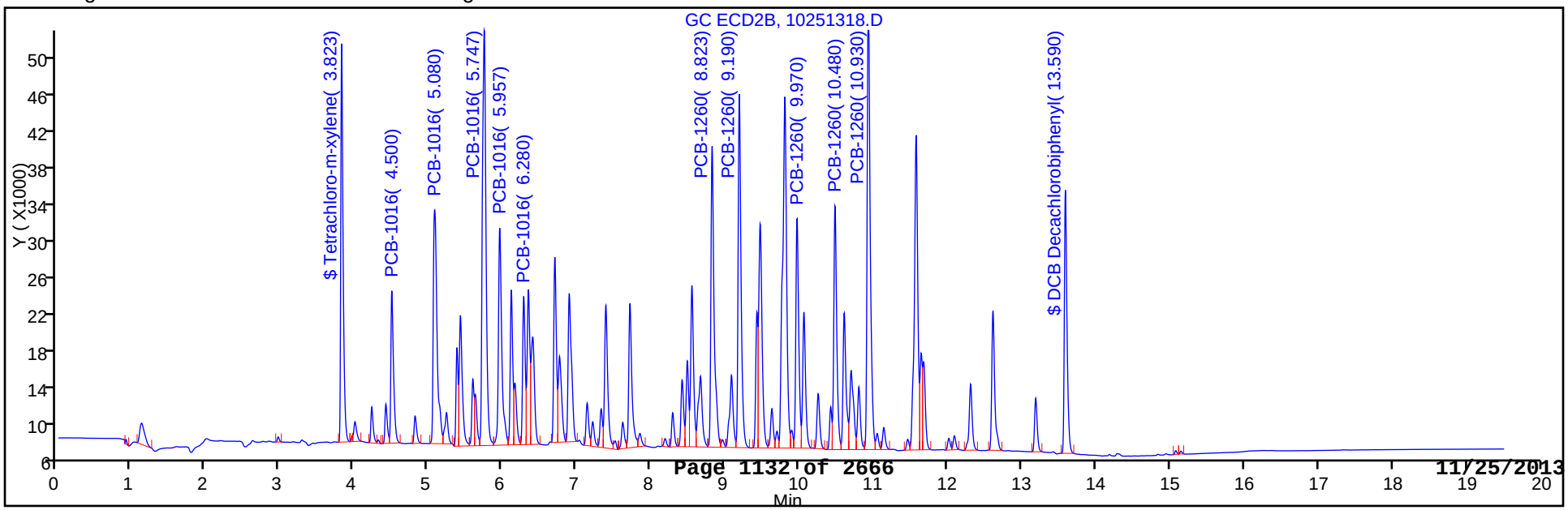
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Injection Date:	25-Oct-2013 21:30:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



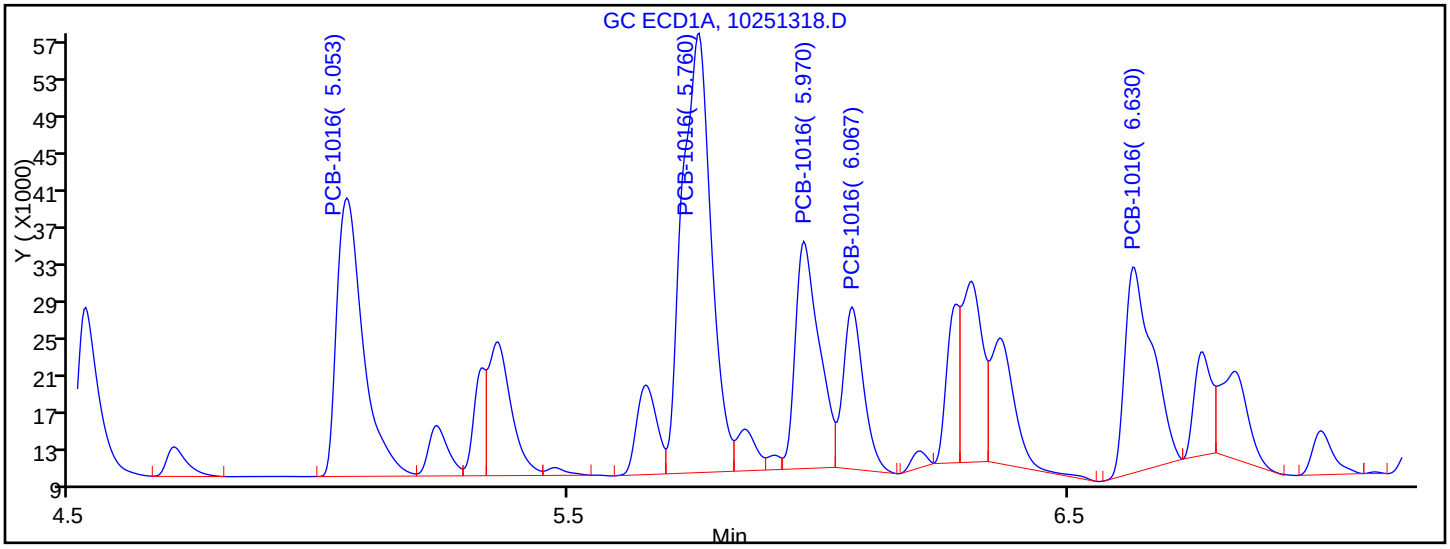
Report Date: 29-Oct-2013 12:13:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251318.D

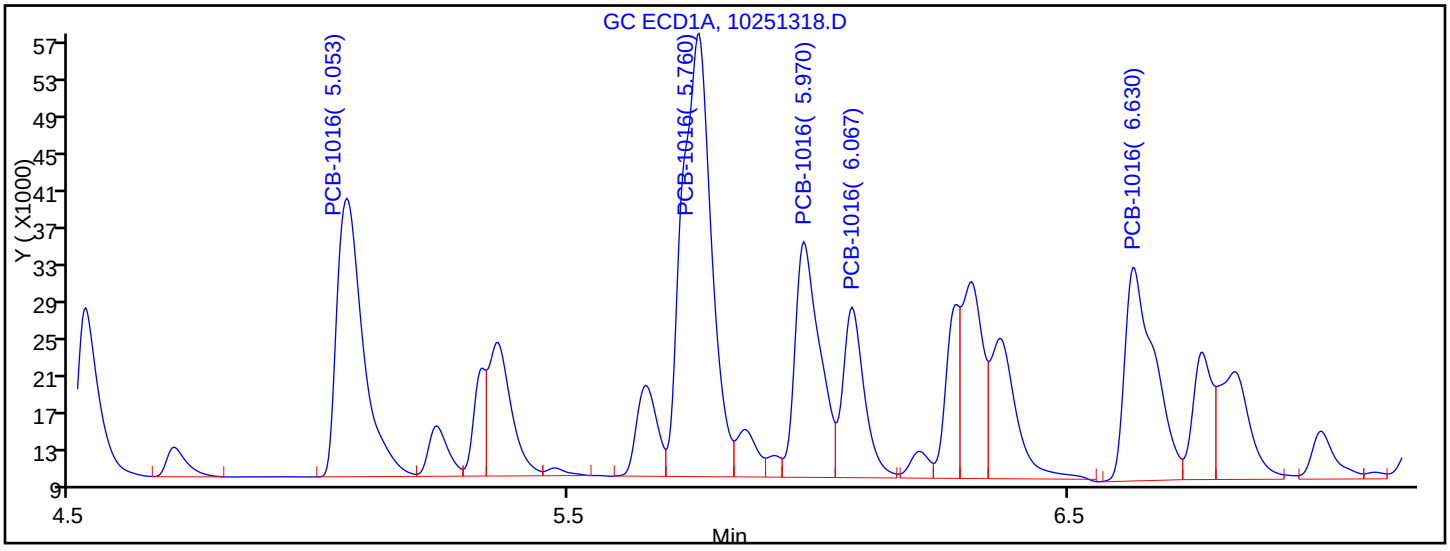
Injection Date:	25-Oct-2013 21:30:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

5 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.053	Response = 109079	
RT = 5.760	Response = 189845	M
RT = 5.970	Response = 80700	M
RT = 6.067	Response = 49497	M
RT = 6.630	Response = 84799	



Manual Integration Results

RT = 5.053	Response = 109079	
RT = 5.760	Response = 193109	M
RT = 5.970	Response = 86598	M
RT = 6.067	Response = 54925	M
RT = 6.630	Response = 84799	

Reviewer: jacksonto, 26-Oct-2013 10:32:51

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

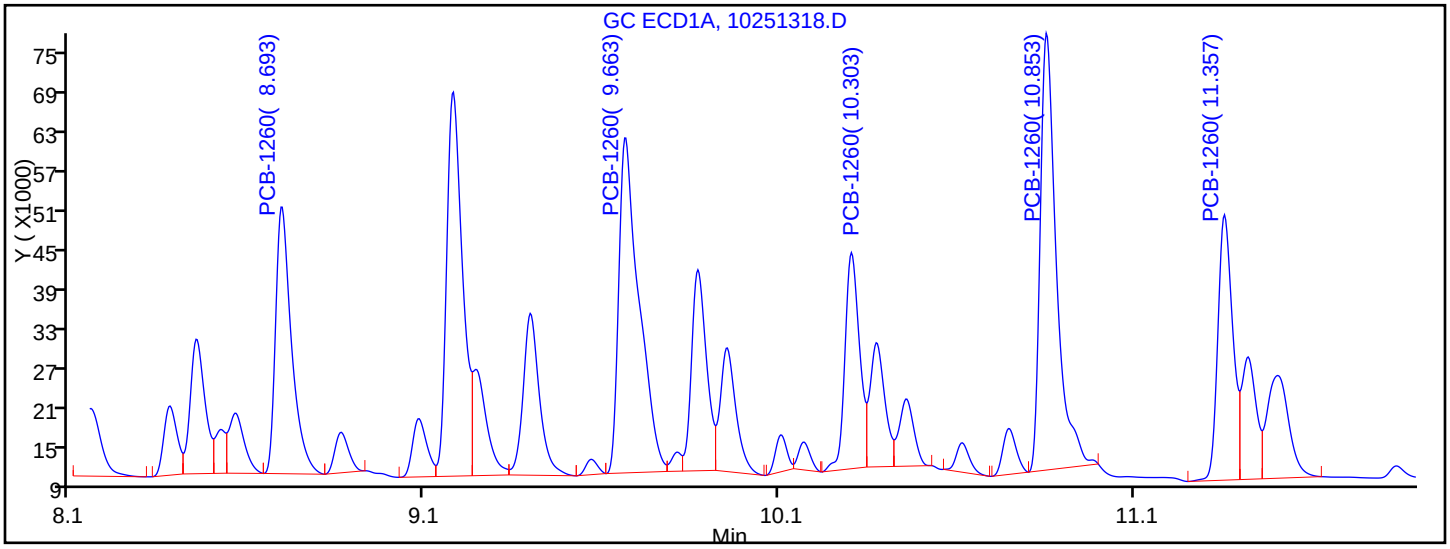
Report Date: 29-Oct-2013 12:13:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251318.D

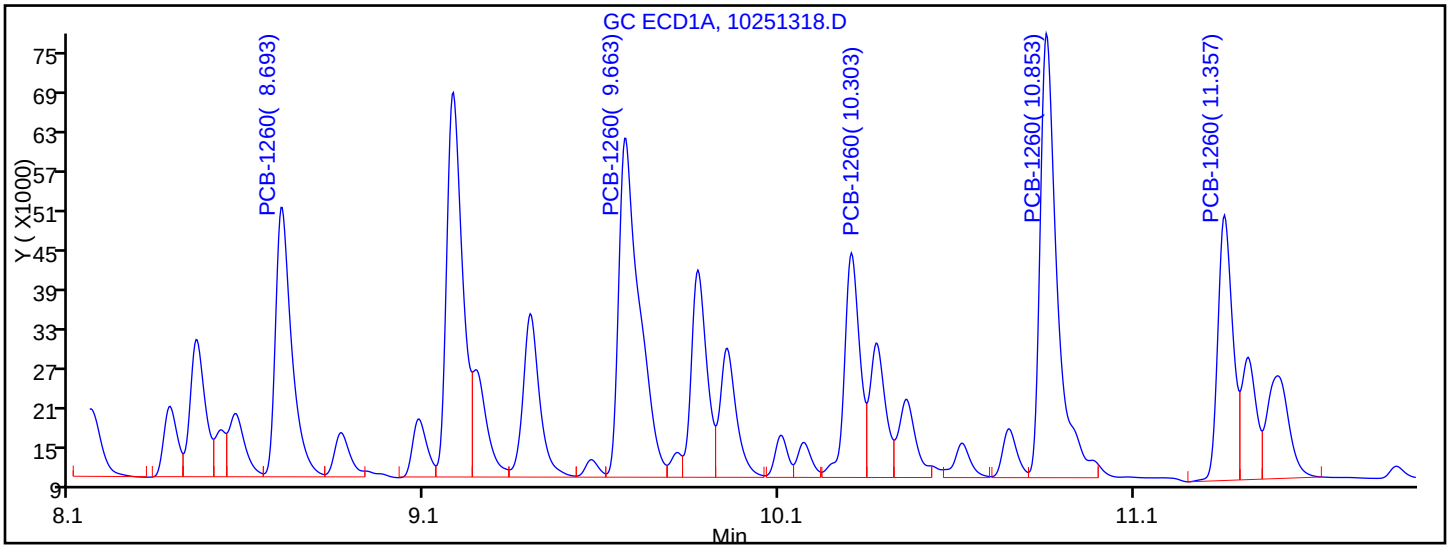
Injection Date:	25-Oct-2013 21:30:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

9 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.693	Response = 126648	M
RT = 9.663	Response = 202197	M
RT = 10.303	Response = 94527	M
RT = 10.853	Response = 211662	M
RT = 11.357	Response = 118456	



Manual Integration Results

RT = 8.693	Response = 130829	M
RT = 9.663	Response = 209113	M
RT = 10.303	Response = 103343	M
RT = 10.853	Response = 228371	M
RT = 11.357	Response = 118456	

Reviewer: jacksonto, 26-Oct-2013 10:32:51

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251319.D		
Lims ID:	STDL31660	Client ID:	
Inject. Date:	25-Oct-2013 21:54:04	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	197868	Lims Sample ID:	19
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:16	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	50430	5.27			
2	2	3.823	3.823	0.000	41120	5.25			
						RPD = 0.41			
5 PCB-1016									
1	1	5.057	5.057	0.000	50185	113.7		100.0	
1	2	5.760	5.760	0.000	84086	108.5	144.0- 224.0	167.6	
1	3	5.973	5.970	0.003	37924	111.6	42.1- 122.1	75.6	
1	4	6.070	6.067	0.003	21884	101.8	14.1- 94.1	43.6	
1	5	6.633	6.633	0.000	42739	110.1	48.4- 128.4	85.2	
			Average of Peak Amounts =			109.1			
2	6	4.500	4.500	0.000	19260	112.4		100.0	
2	7	5.080	5.080	0.000	42465	116.2	168.4- 248.4	220.5	
2	8	5.750	5.750	0.000	68649	111.1	317.6- 397.6	356.4	
2	9	5.957	5.957	0.000	32978	109.9	127.5- 207.5	171.2	
2	10	6.283	6.280	0.003	17937	114.1	47.1- 127.1	93.1	
			Average of Peak Amounts =			112.7			
						RPD = 3.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	58595	111.0		100.0	
1	2	9.667	9.663	0.004	88439	106.1	125.9- 205.9	150.9	
1	3	10.307	10.303	0.004	45444	111.4	43.2- 123.2	77.6	
1	4	10.857	10.853	0.004	97013	108.2	144.8- 224.8	165.6	
1	5	11.357	11.357	0.000	53014	110.8	54.9- 134.9	90.5	
			Average of Peak Amounts =			109.5			
2	6	8.823	8.823	0.000	44696	109.2		100.0	
2	7	9.190	9.187	0.003	49605	111.9	67.1- 147.1	111.0	
2	8	9.970	9.967	0.003	30535	109.0	29.7- 109.7	68.3	
2	9	10.483	10.480	0.003	33609	110.8	35.3- 115.3	75.2	
2	10	10.933	10.930	0.003	64736	108.6	108.5- 188.5	144.8	
			Average of Peak Amounts =			109.9			
						RPD = 0.37			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	47164	5.60			
2	2	13.590	13.590	0.000	32690	5.53			
						RPD = 1.23			
S 15 Polychlorinated biphenyls, Total									
1						218.6			
2						222.6			
						RPD = 1.81			

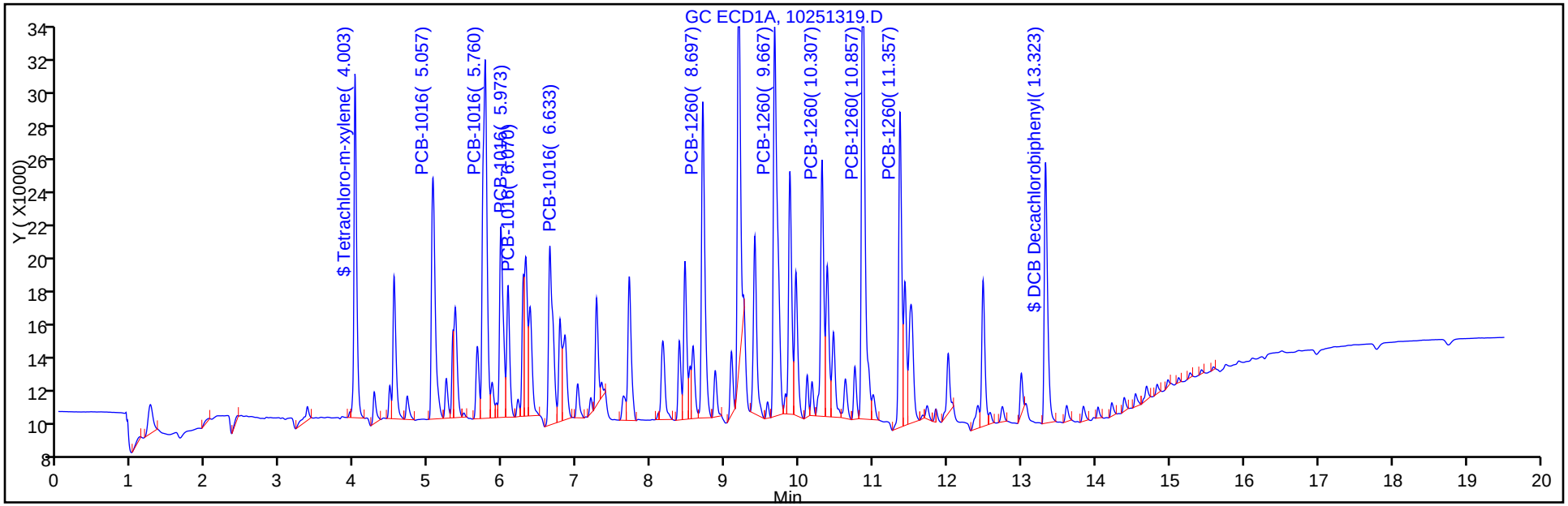
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TestAmerica Denver

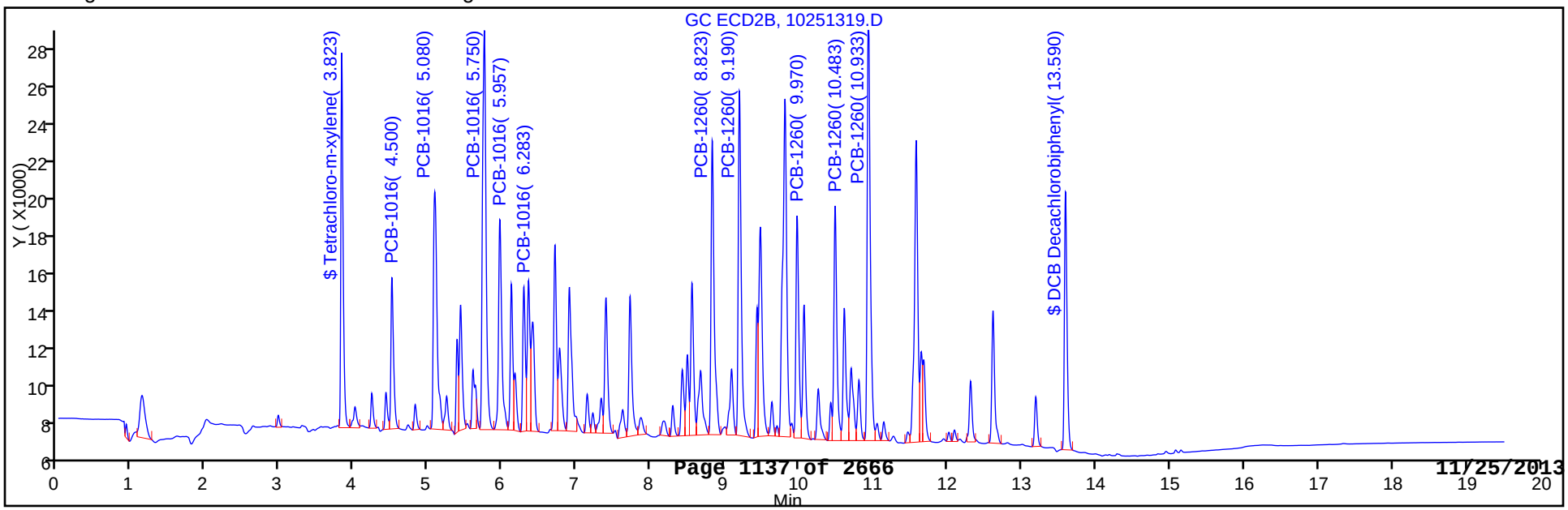
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251319.D

Injection Date:	25-Oct-2013 21:54:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	19
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251320.D
Lims ID: STDL21660 Client ID:
Inject. Date: 25-Oct-2013 22:17:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL21660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 197868 Lims Sample ID: 20
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:15 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	26056	2.58			
2	2	3.823	3.823	0.000	22128	2.59			
						RPD = 0.59			
5 PCB-1016									
1	1	5.053	5.057	-0.004	27775	53.0		100.0	
1	2	5.757	5.760	-0.003	43322	50.5	144.0- 224.0	156.0	
1	3	5.970	5.970	0.000	18251	48.3	42.1- 122.1	65.7	
1	4	6.067	6.067	0.000	10372	47.8	14.1- 94.1	37.3	
1	5	6.630	6.633	-0.003	23373	51.7	48.4- 128.4	84.2	
			Average of Peak Amounts =			50.3			
2	6	4.500	4.500	0.000	10775	53.6		100.0	
2	7	5.080	5.080	0.000	24288	55.9	168.4- 248.4	225.4	
2	8	5.747	5.750	-0.003	37528	53.0	317.6- 397.6	348.3	
2	9	5.957	5.957	0.000	19418	55.8	127.5- 207.5	180.2	
2	10	6.280	6.280	0.000	10009	53.2	47.1- 127.1	92.9	
			Average of Peak Amounts =			54.3			
						RPD = 7.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	31449	51.4		100.0	
1	2	9.667	9.663	0.004	46264	50.2	125.9- 205.9	147.1	
1	3	10.307	10.303	0.004	22450	48.3	43.2- 123.2	71.4	
1	4	10.857	10.853	0.004	48390	48.9	144.8- 224.8	153.9	
1	5	11.357	11.357	0.000	26834	50.7	54.9- 134.9	85.3	
			Average of Peak Amounts =			49.9			
2	6	8.823	8.823	0.000	25176	53.2		100.0	
2	7	9.190	9.187	0.003	27660	52.8	67.1- 147.1	109.9	
2	8	9.970	9.967	0.003	16841	52.8	29.7- 109.7	66.9	
2	9	10.483	10.480	0.003	17706	51.0	35.3- 115.3	70.3	
2	10	10.933	10.930	0.003	34785	52.0	108.5- 188.5	138.2	
			Average of Peak Amounts =			52.4			
						RPD = 4.85			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	24951	2.65			
2	2	13.590	13.590	0.000	18176	2.67			
						RPD = 0.62			
S 15 Polychlorinated biphenyls, Total									
1						100.2			
2						106.7			
						RPD = 6.31			

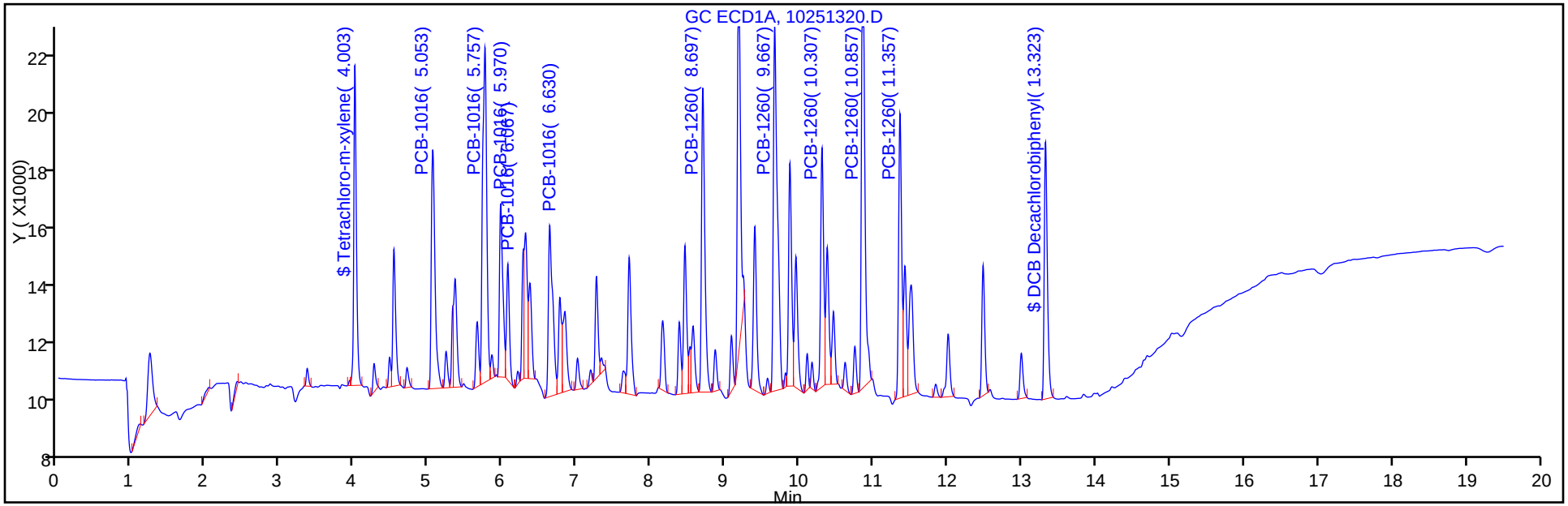
Report Date: 29-Oct-2013 12:13:16 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

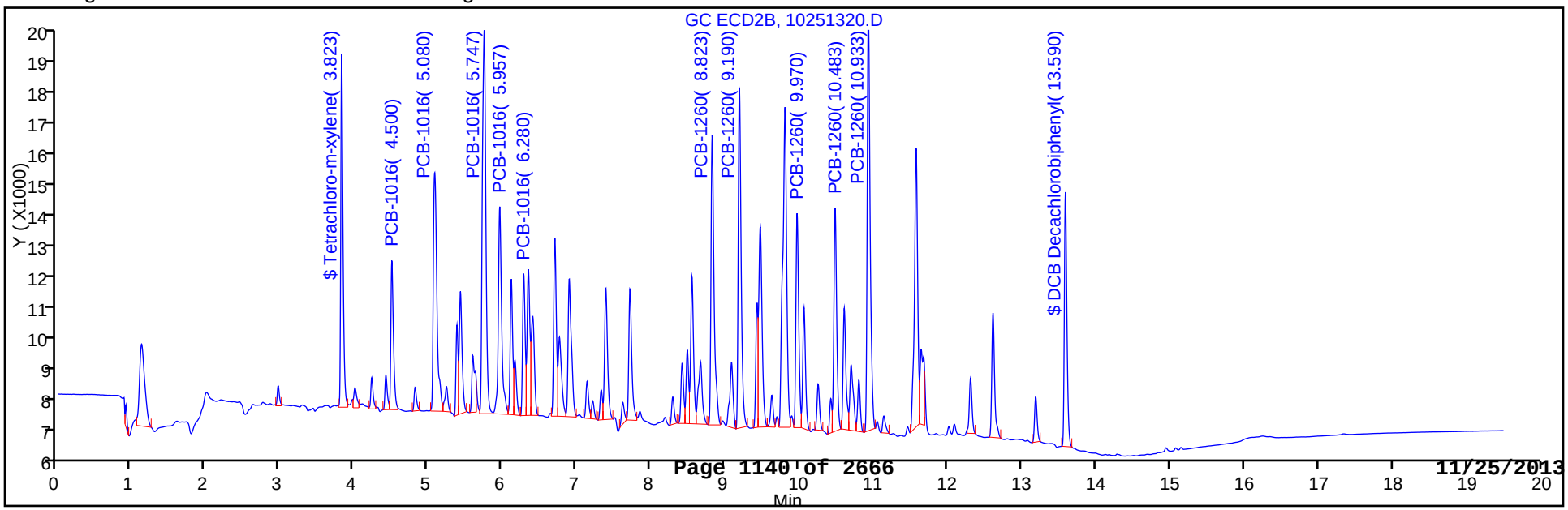
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Injection Date:	25-Oct-2013 22:17:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	20
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251321.D		
Lims ID:	STDL11660	Client ID:	
Inject. Date:	25-Oct-2013 22:40:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	197868	Lims Sample ID:	21
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:15	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	13033	1.14			
2	2	3.823	3.823	0.000	11777	1.15			
						RPD = 0.56			
5 PCB-1016									
1	1	5.053	5.057	-0.004	15084	18.6		100.0	
1	2	5.757	5.760	-0.003	23165	21.9	144.0- 224.0	153.6	
1	3	5.970	5.970	0.000	10007	21.8	42.1- 122.1	66.3	
1	4	6.067	6.067	0.000	5588	25.3	14.1- 94.1	37.0	
1	5	6.630	6.633	-0.003	13824	22.9	48.4- 128.4	91.6	
			Average of Peak Amounts =			22.1			
2	6	4.500	4.500	0.000	5778	19.1		100.0	
2	7	5.077	5.080	-0.003	12317	16.2	168.4- 248.4	213.2	
2	8	5.747	5.750	-0.003	19717	19.7	317.6- 397.6	341.2	
2	9	5.957	5.957	0.000	9998	18.3	127.5- 207.5	173.0	
2	10	6.280	6.280	0.000	5557	18.9	47.1- 127.1	96.2	
			Average of Peak Amounts =			18.4			
						RPD = 18.04			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.700	8.697	0.003	17403	20.6		100.0	
1	2	9.670	9.663	0.007	25303	22.4	125.9- 205.9	145.4	
1	3	10.307	10.303	0.004	12600	21.3	43.2- 123.2	72.4	
1	4	10.857	10.853	0.004	26220	21.8	144.8- 224.8	150.7	
1	5	11.360	11.357	0.003	14276	21.8	54.9- 134.9	82.0	
			Average of Peak Amounts =			21.6			
2	6	8.823	8.823	0.000	13778	20.4		100.0	
2	7	9.193	9.187	0.006	15495	20.0	67.1- 147.1	112.5	
2	8	9.970	9.967	0.003	9036	20.8	29.7- 109.7	65.6	
2	9	10.483	10.480	0.003	9856	21.6	35.3- 115.3	71.5	
2	10	10.933	10.930	0.003	18666	21.6	108.5- 188.5	135.5	
			Average of Peak Amounts =			20.9			
						RPD = 3.34			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	12765	1.04			
2	2	13.590	13.590	0.000	9748	1.01			
						RPD = 2.77			
S 15 Polychlorinated biphenyls, Total									
1						43.7			
2						39.3			
						RPD = 10.52			

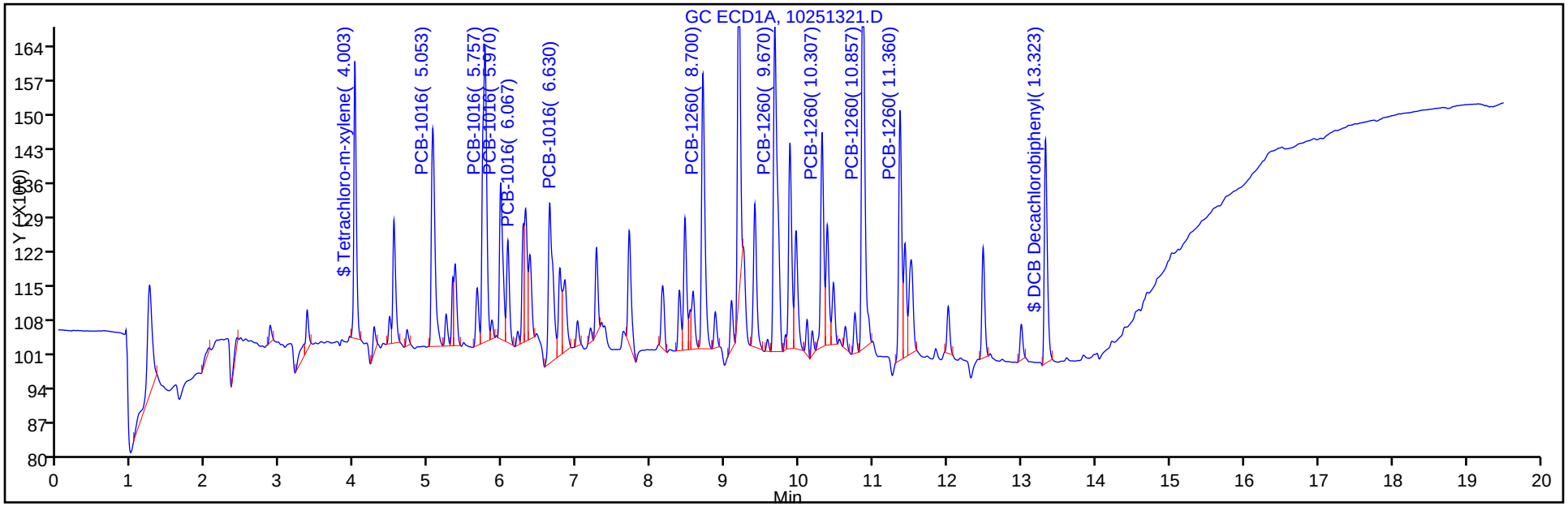
Report Date: 29-Oct-2013 12:13:15 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

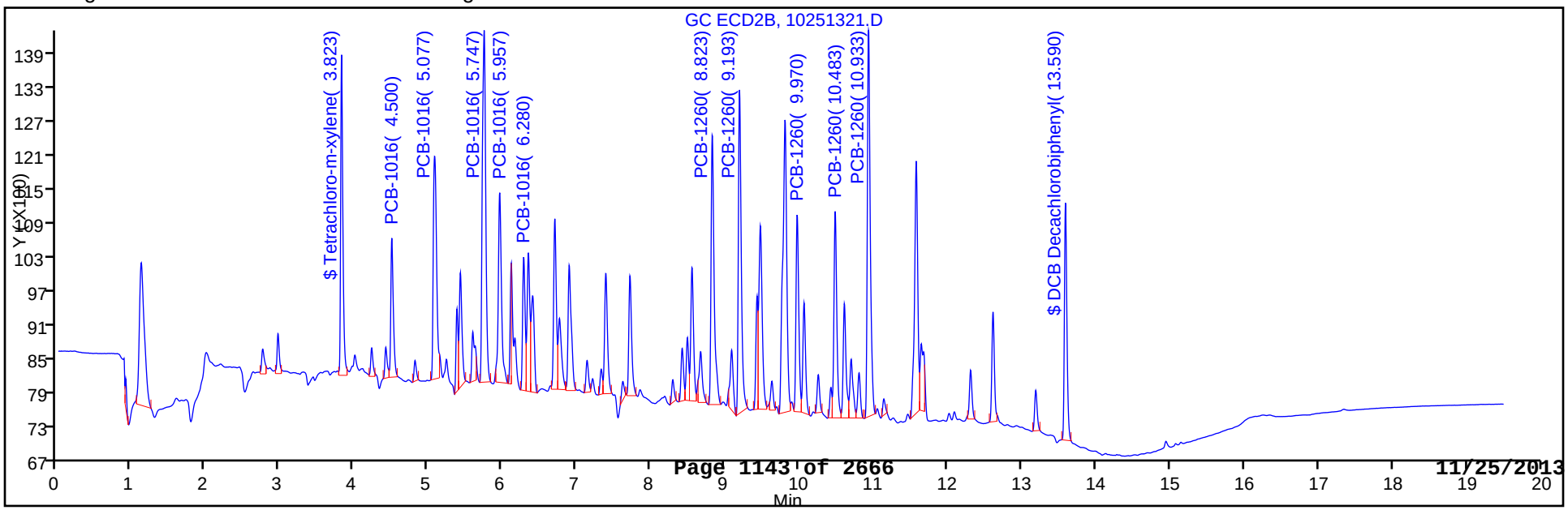
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251321.D

Injection Date:	25-Oct-2013 22:40:20	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	21
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI

PCBS INITIAL CALIBRATION DATA

EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1016 Peak 1	4.500	4.500	4.500	4.500	4.500	4.500	4.500				4.460 - 4.540	4.500
PCB-1016 Peak 2	5.077	5.080	5.080	5.080	5.080	5.080	5.080				5.040 - 5.120	5.080
PCB-1016 Peak 3	5.747	5.747	5.750	5.747	5.750	5.750	5.747				5.710 - 5.790	5.748
PCB-1016 Peak 4	5.957	5.957	5.957	5.957	5.957	5.957	5.957				5.917 - 5.997	5.957
PCB-1016 Peak 5	6.280	6.280	6.283	6.280	6.280	6.280	6.280				6.240 - 6.320	6.280
PCB-1260 Peak 1	8.823	8.823	8.823	8.823	8.823	8.820	8.820				8.783 - 8.863	8.822
PCB-1260 Peak 2	9.193	9.190	9.190	9.190	9.187	9.187	9.187				9.147 - 9.227	9.189
PCB-1260 Peak 3	9.970	9.970	9.970	9.970	9.967	9.967	9.963				9.927 - 10.007	9.968
PCB-1260 Peak 4	10.483	10.483	10.483	10.480	10.480	10.480	10.477				10.440 - 10.520	10.481
PCB-1260 Peak 5	10.933	10.933	10.933	10.930	10.930	10.930	10.927				10.890 - 10.970	10.931
Tetrachloro-m-xylene	3.823	3.823	3.823	3.823	3.823	3.823	3.823				3.783 - 3.863	3.823
DCB Decachlorobiphenyl	13.590	13.590	13.590	13.590	13.590	13.590	13.590				13.550 - 13.630	13.590

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1016 Peak 1	231.12 153.64	215.50 143.22	192.60 146.09	166.25	Lin1	3024.98547	144.493496							0.9970		0.9900
PCB-1016 Peak 2	492.68 320.14	485.76 305.73	424.65 299.16	363.99	Lin1	7420.12224	301.552203							0.9950		0.9900
PCB-1016 Peak 3	788.68 549.41	750.56 538.01	686.49 538.07	614.60	Lin1	9189.35225	535.142630							0.9980		0.9900
PCB-1016 Peak 4	399.92 257.41	388.36 253.56	329.78 253.46	297.40	Lin1	5404.67028	250.932452							0.9970		0.9900
PCB-1016 Peak 5	222.28 133.81	200.18 131.66	179.37 132.15	153.55	Lin1	3092.17778	130.112058							0.9970		0.9900
PCB-1260 Peak 1	551.12 357.96	503.52 351.93	446.96 352.62	395.48	Lin1	6667.65326	348.184833							0.9990		0.9900
PCB-1260 Peak 2	619.80 383.20	553.20 376.23	496.05 376.74	424.80	Lin1	8060.28970	371.232139							0.9980		0.9900
PCB-1260 Peak 3	361.44 249.51	336.82 244.59	305.35 247.19	272.45	Lin1	3967.97675	243.789594							0.9990		0.9900
PCB-1260 Peak 4	394.24 269.51	354.12 266.59	336.09 271.70	294.07	Lin1	4115.99367	266.272166							0.9990		0.9900
PCB-1260 Peak 5	746.64 531.46	695.70 534.93	647.36 537.76	579.80	Lin1	7208.42144	529.856093							0.9990		0.9900
Tetrachloro-m-xylene	9421.6 7115.2	8851.2 7208.3	8224.0 7288.9	7583.4	Lin1	3561.09390	7159.09041							1.0000		0.9900
DCB Decachlorobiphenyl	7798.4 5173.4	7270.4 5129.0	6538.0 5164.8	5711.8	Lin1	4604.05103	5081.80668							0.9980		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 20:21 Calibration End Date: 10/25/2013 22:40 Calibration ID: 16056

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL11660 280-197868/21	10251321.D
Level 2	STDL21660 280-197868/20	10251320.D
Level 3	STDL31660 280-197868/19	10251319.D
Level 4	STDL41660 280-197868/18	10251318.D
Level 5	STDL51660 280-197868/17	10251317.D
Level 6	STDL61660 280-197868/16	10251316.D
Level 7	STDL71660 280-197868/15	10251315.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1016 Peak 1	Lin1	5778 107417	10775 146085	19260	41562	76818	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 2	Lin1	12317 229297	24288 299159	42465	90998	160069	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 3	Lin1	19717 403509	37528 538071	68649	153651	274707	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 4	Lin1	9998 190170	19418 253455	32978	74351	128707	25.0 750	50.0 1000	100	250	500
PCB-1016 Peak 5	Lin1	5557 98745	10009 132153	17937	38387	66907	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 1	Lin1	13778 263950	25176 352618	44696	98871	178979	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 2	Lin1	15495 282172	27660 376735	49605	106199	191602	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 3	Lin1	9036 183444	16841 247190	30535	68113	124754	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 4	Lin1	9856 199946	17706 271702	33609	73518	134753	25.0 750	50.0 1000	100	250	500
PCB-1260 Peak 5	Lin1	18666 401200	34785 537757	64736	144951	265729	25.0 750	50.0 1000	100	250	500
Tetrachloro-m-xylene	Lin1	11777 270312	22128 364446	41120	94793	177880	1.25 37.5	2.50 50.0	5.00	12.5	25.0
DCB Decachlorobiphenyl	Lin1	9748 192336	18176 258239	32690	71397	129334	1.25 37.5	2.50 50.0	5.00	12.5	25.0

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251315.D		
Lims ID:	STDL71660	Client ID:	
Inject. Date:	25-Oct-2013 20:21:01	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL71660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	15
Lims Batch ID:	197868	Lims Sample ID:	15
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:21	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:24:00

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	459108	50.4			
2	2	3.823	3.823	0.000	364446	50.4			
						RPD = 0.09			
5 PCB-1016									
1	1	5.053	5.057	-0.004	367730	974.6		100.0	
1	2	5.757	5.760	-0.003	705176	991.4	144.0- 224.0	191.8	
1	3	5.967	5.970	-0.003	309553	984.8	42.1- 122.1	84.2	
1	4	6.063	6.067	-0.004	213603	1001.2	14.1- 94.1	58.1	
1	5	6.630	6.633	-0.003	340885	1009.7	48.4- 128.4	92.7	
			Average of Peak Amounts =			992.4			
2	6	4.500	4.500	0.000	146085	990.1		100.0	
2	7	5.080	5.080	0.000	299159	967.5	168.4- 248.4	204.8	
2	8	5.747	5.750	-0.003	538071	988.3	317.6- 397.6	368.3	
2	9	5.957	5.957	0.000	253455	988.5	127.5- 207.5	173.5	
2	10	6.280	6.280	0.000	132153	991.9	47.1- 127.1	90.5	
			Average of Peak Amounts =			985.3			
						RPD = 0.72			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.690	8.697	-0.007	455174	980.7		100.0	
1	2	9.660	9.663	-0.003	746547	978.5	125.9- 205.9	164.0	
1	3	10.300	10.303	-0.003	352771	954.4	43.2- 123.2	77.5	
1	4	10.850	10.853	-0.003	781639	943.4	144.8- 224.8	171.7	
1	5	11.353	11.357	-0.004	445575	1011.9	54.9- 134.9	97.9	
			Average of Peak Amounts =			973.8			
2	6	8.820	8.823	-0.003	352618	993.6		100.0	
2	7	9.187	9.187	0.000	376735	993.1	67.1- 147.1	106.8	
2	8	9.963	9.967	-0.004	247190	997.7	29.7- 109.7	70.1	
2	9	10.477	10.480	-0.003	271702	1004.9	35.3- 115.3	77.1	
2	10	10.927	10.930	-0.003	537757	1001.3	108.5- 188.5	152.5	
			Average of Peak Amounts =			998.1			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	384834	50.3			
2	2	13.590	13.590	0.000	258239	49.9			
						RPD = 0.79			
S 15 Polychlorinated biphenyls, Total									
1						1966.1			
2						1983.4			
						RPD = 0.87			

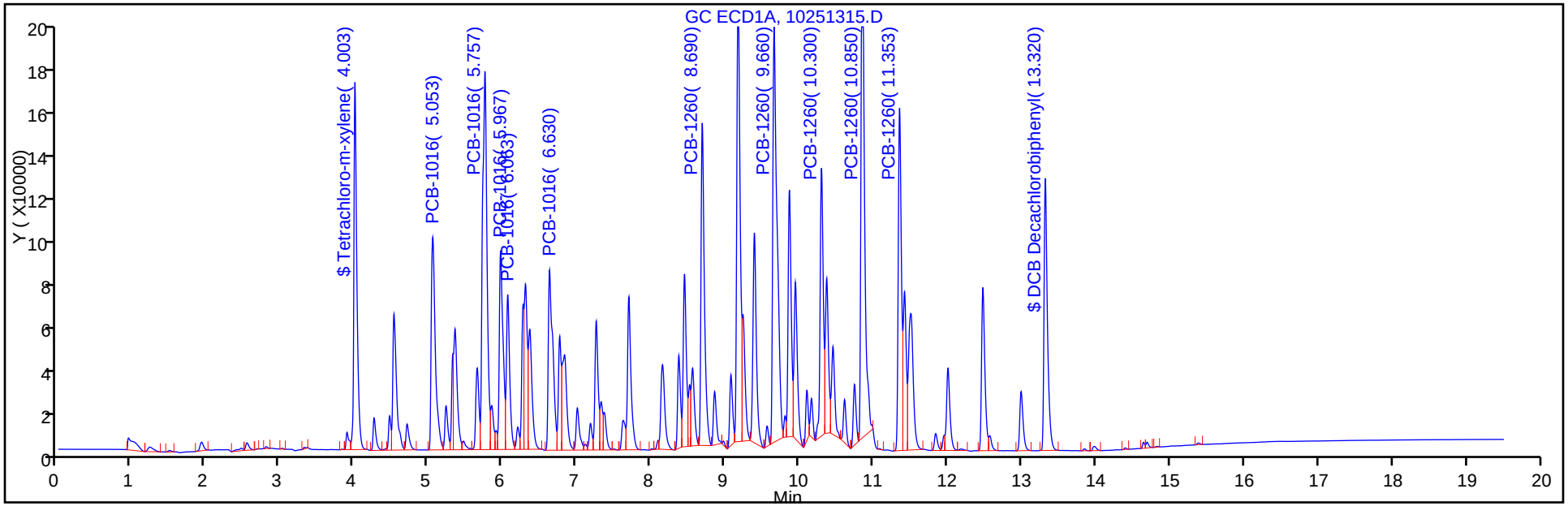
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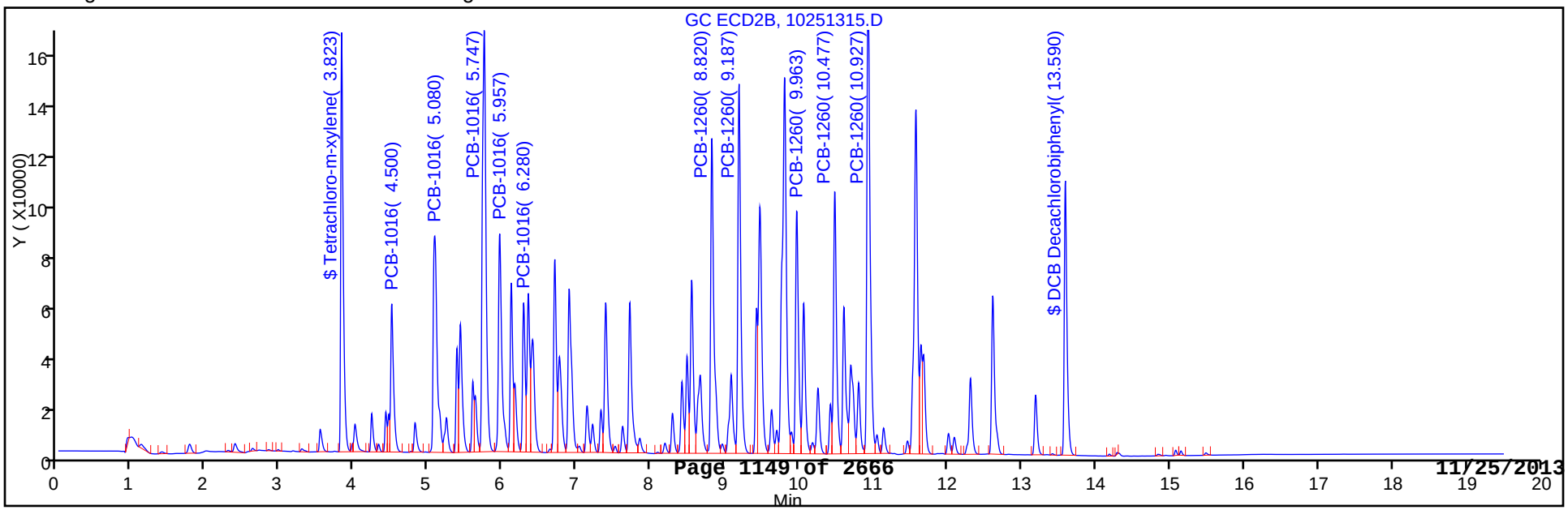
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251315.D

Injection Date:	25-Oct-2013 20:21:01	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	15
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251316.D		
Lims ID:	STDL61660	Client ID:	
Inject. Date:	25-Oct-2013 20:44:14	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	6
Sample ID:	STDL61660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	16
Lims Batch ID:	197868	Lims Sample ID:	16
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:19	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	338555	37.1			
2	2	3.823	3.823	0.000	270312	37.3			
						RPD = 0.53			
5 PCB-1016									
1	1	5.053	5.057	-0.004	280156	737.2		100.0	
1	2	5.760	5.760	0.000	529683	742.0	144.0- 224.0	189.1	
1	3	5.970	5.970	0.000	232736	737.9	42.1- 122.1	83.1	
1	4	6.067	6.067	0.000	160029	749.9	14.1- 94.1	57.1	
1	5	6.630	6.633	-0.003	252820	744.0	48.4- 128.4	90.2	
			Average of Peak Amounts =			742.2			
2	6	4.500	4.500	0.000	107417	722.5		100.0	
2	7	5.080	5.080	0.000	229297	735.8	168.4- 248.4	213.5	
2	8	5.750	5.750	0.000	403509	736.8	317.6- 397.6	375.6	
2	9	5.957	5.957	0.000	190170	736.3	127.5- 207.5	177.0	
2	10	6.280	6.280	0.000	98745	735.2	47.1- 127.1	91.9	
			Average of Peak Amounts =			733.3			
						RPD = 1.20			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.693	8.697	-0.004	353224	757.1		100.0	
1	2	9.660	9.663	-0.003	580977	759.0	125.9- 205.9	164.5	
1	3	10.300	10.303	-0.003	281821	759.8	43.2- 123.2	79.8	
1	4	10.853	10.853	0.000	645944	777.9	144.8- 224.8	182.9	
1	5	11.353	11.357	-0.004	323163	730.9	54.9- 134.9	91.5	
			Average of Peak Amounts =			756.9			
2	6	8.820	8.823	-0.003	263950	738.9		100.0	
2	7	9.187	9.187	0.000	282172	738.4	67.1- 147.1	106.9	
2	8	9.967	9.967	0.000	183444	736.2	29.7- 109.7	69.5	
2	9	10.480	10.480	0.000	199946	735.5	35.3- 115.3	75.8	
2	10	10.930	10.930	0.000	401200	743.6	108.5- 188.5	152.0	
			Average of Peak Amounts =			738.5			
						RPD = 2.47			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	285762	37.2			
2	2	13.590	13.590	0.000	192336	36.9			
						RPD = 0.66			
S 15 Polychlorinated biphenyls, Total									
1						1499.1			
2						1471.8			
						RPD = 1.84			

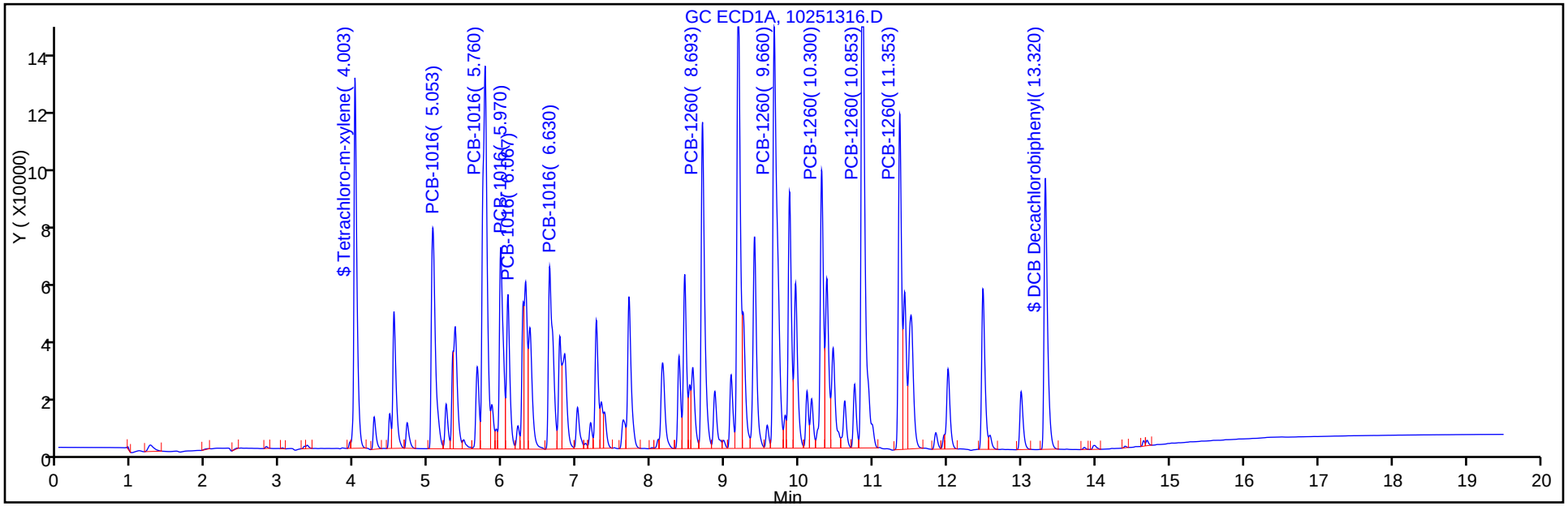
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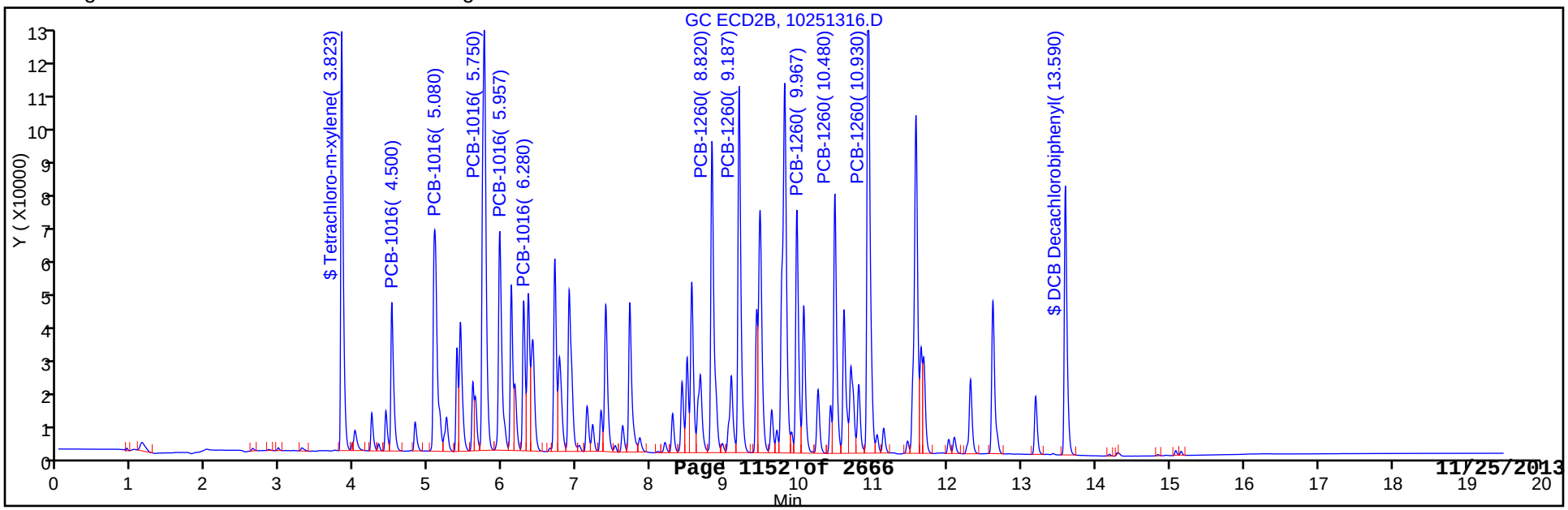
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Injection Date:	25-Oct-2013 20:44:14	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	16
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251317.D		
Lims ID:	STDL51660	Client ID:	
Inject. Date:	25-Oct-2013 21:07:40	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL51660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	17
Lims Batch ID:	197868	Lims Sample ID:	17
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:18	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:16:10

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	224790	24.5			
2	2	3.823	3.823	0.000	177880	24.3			
						RPD = 0.65			
5 PCB-1016									
1	1	5.057	5.057	0.000	194326	504.5		100.0	
1	2	5.760	5.760	0.000	357528	497.2	144.0- 224.0	184.0	
1	3	5.970	5.970	0.000	159544	502.6	42.1- 122.1	82.1	
1	4	6.067	6.067	0.000	105101	492.2	14.1- 94.1	54.1	
1	5	6.633	6.633	0.000	171824	499.6	48.4- 128.4	88.4	
			Average of Peak Amounts =			499.2			
2	6	4.500	4.500	0.000	76818	510.7		100.0	
2	7	5.080	5.080	0.000	160069	506.2	168.4- 248.4	208.4	
2	8	5.750	5.750	0.000	274707	496.2	317.6- 397.6	357.6	
2	9	5.957	5.957	0.000	128707	491.4	127.5- 207.5	167.5	
2	10	6.280	6.280	0.000	66907	490.5	47.1- 127.1	87.1	
			Average of Peak Amounts =			499.0			
						RPD = 0.05			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	229072	484.8		100.0	
1	2	9.663	9.663	0.000	380091	492.7	125.9- 205.9	165.9	
1	3	10.303	10.303	0.000	190617	509.6	43.2- 123.2	83.2	
1	4	10.853	10.853	0.000	423308	506.3	144.8- 224.8	184.8	
1	5	11.357	11.357	0.000	217355	488.0	54.9- 134.9	94.9	
			Average of Peak Amounts =			496.3			
2	6	8.823	8.823	0.000	178979	494.9		100.0	
2	7	9.187	9.187	0.000	191602	494.4	67.1- 147.1	107.1	
2	8	9.967	9.967	0.000	124754	495.5	29.7- 109.7	69.7	
2	9	10.480	10.480	0.000	134753	490.6	35.3- 115.3	75.3	
2	10	10.930	10.930	0.000	265729	487.9	108.5- 188.5	148.5	
			Average of Peak Amounts =			492.7			
						RPD = 0.74			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	187762	24.2			
2	2	13.590	13.590	0.000	129334	24.5			
						RPD = 1.37			
S 15 Polychlorinated biphenyls, Total									
1						995.5			
2						991.6			
						RPD = 0.39			

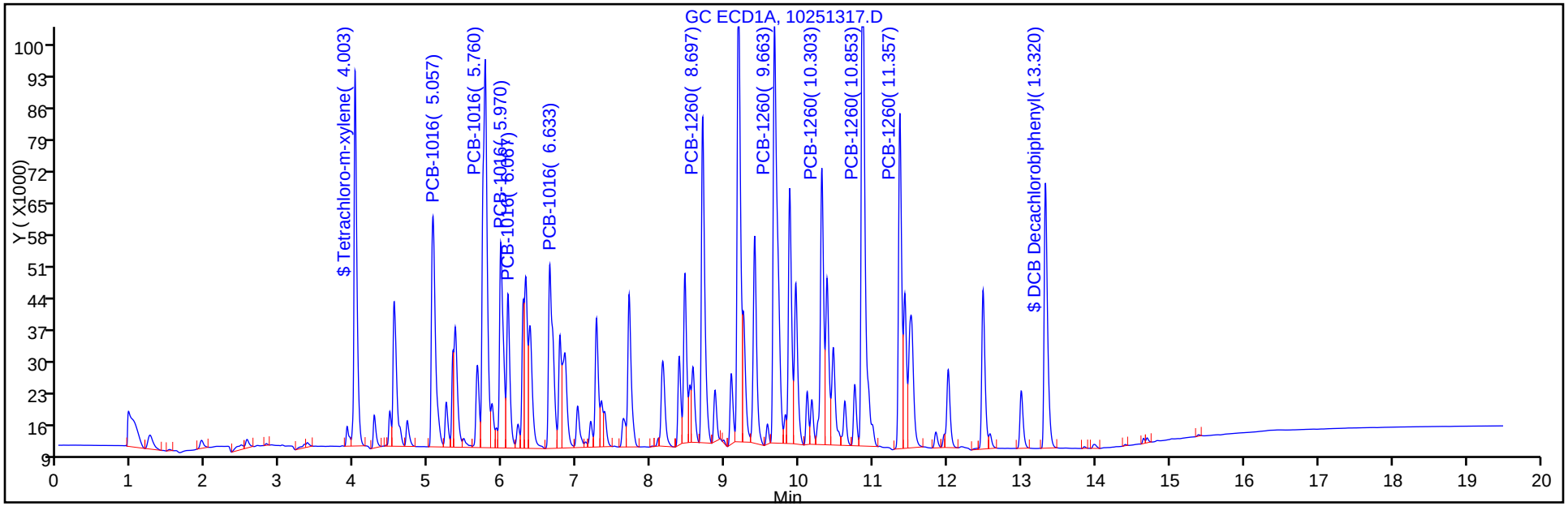
Report Date: 29-Oct-2013 12:13:19 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

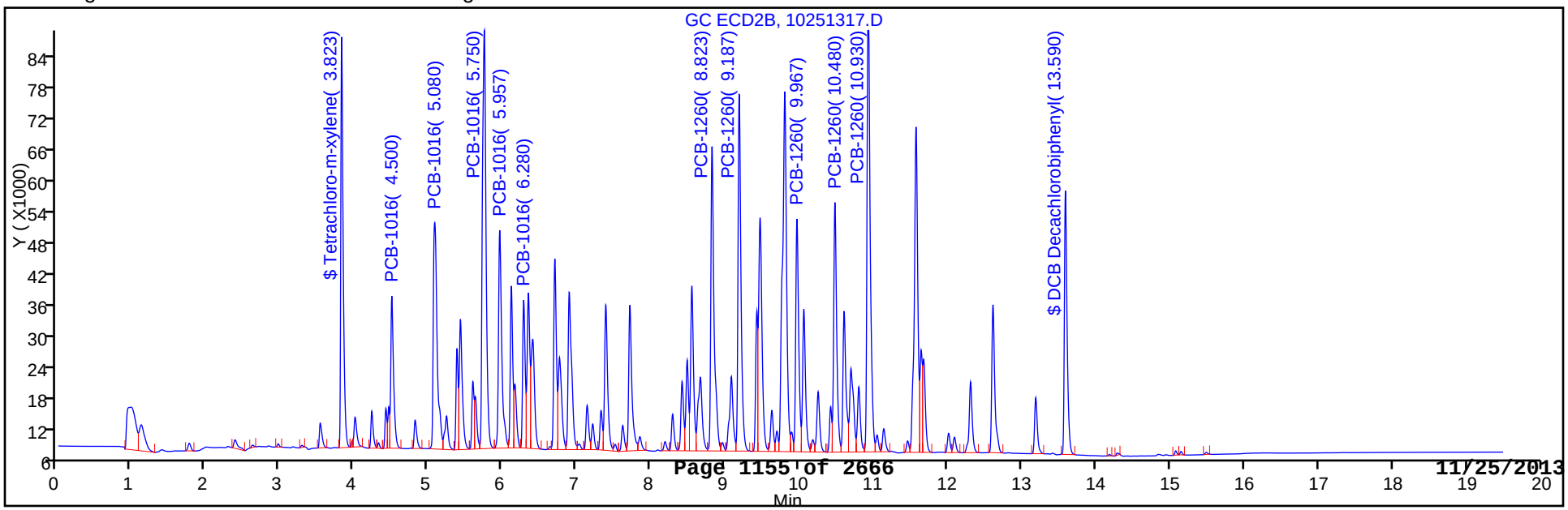
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Injection Date:	25-Oct-2013 21:07:40	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	17
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251318.D		
Lims ID:	STDL41660	Client ID:	
Inject. Date:	25-Oct-2013 21:30:49	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL41660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	18
Lims Batch ID:	197868	Lims Sample ID:	18
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:17	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:30:38

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	118935	12.8			
2	2	3.823	3.823	0.000	94793	12.7			
						RPD = 0.66			
5 PCB-1016									M
1	1	5.053	5.057	-0.004	109079	273.4		100.0	
1	2	5.760	5.760	0.000	193109	263.5	144.0- 224.0	177.0	M
1	3	5.970	5.970	0.000	86598	268.0	42.1- 122.1	79.4	M
1	4	6.067	6.067	0.000	54925	256.8	14.1- 94.1	50.4	M
1	5	6.630	6.633	-0.003	84799	237.0	48.4- 128.4	77.7	
			Average of Peak Amounts =			259.8			
2	6	4.500	4.500	0.000	41562	266.7		100.0	
2	7	5.080	5.080	0.000	90998	277.2	168.4- 248.4	218.9	
2	8	5.747	5.750	-0.003	153651	269.9	317.6- 397.6	369.7	
2	9	5.957	5.957	0.000	74351	274.8	127.5- 207.5	178.9	
2	10	6.280	6.280	0.000	38387	271.3	47.1- 127.1	92.4	
			Average of Peak Amounts =			272.0			
						RPD = 4.60			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	130829	269.4		100.0	M
1	2	9.663	9.663	0.000	209113	266.1	125.9- 205.9	159.8	M
1	3	10.303	10.303	0.000	103343	270.2	43.2- 123.2	79.0	M
1	4	10.853	10.853	0.000	228371	268.5	144.8- 224.8	174.6	M
1	5	11.357	11.357	0.000	118456	261.0	54.9- 134.9	90.5	
			Average of Peak Amounts =			267.0			
2	6	8.823	8.823	0.000	98871	264.8		100.0	
2	7	9.190	9.187	0.003	106199	264.4	67.1- 147.1	107.4	
2	8	9.970	9.967	0.003	68113	263.1	29.7- 109.7	68.9	
2	9	10.480	10.480	0.000	73518	260.6	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	144951	260.0	108.5- 188.5	146.6	
			Average of Peak Amounts =			262.6			
						RPD = 1.68			
$ 13 DCB Decachlorobiphenyl									
1	1	13.320	13.320	0.000	101255	12.8			
2	2	13.590	13.590	0.000	71397	13.1			
						RPD = 2.98			
S 15 Polychlorinated biphenyls, Total									
1						526.8			
2						534.5			
						RPD = 1.47			

QC Flag Legend

Review Flags
M - Manually Integrated

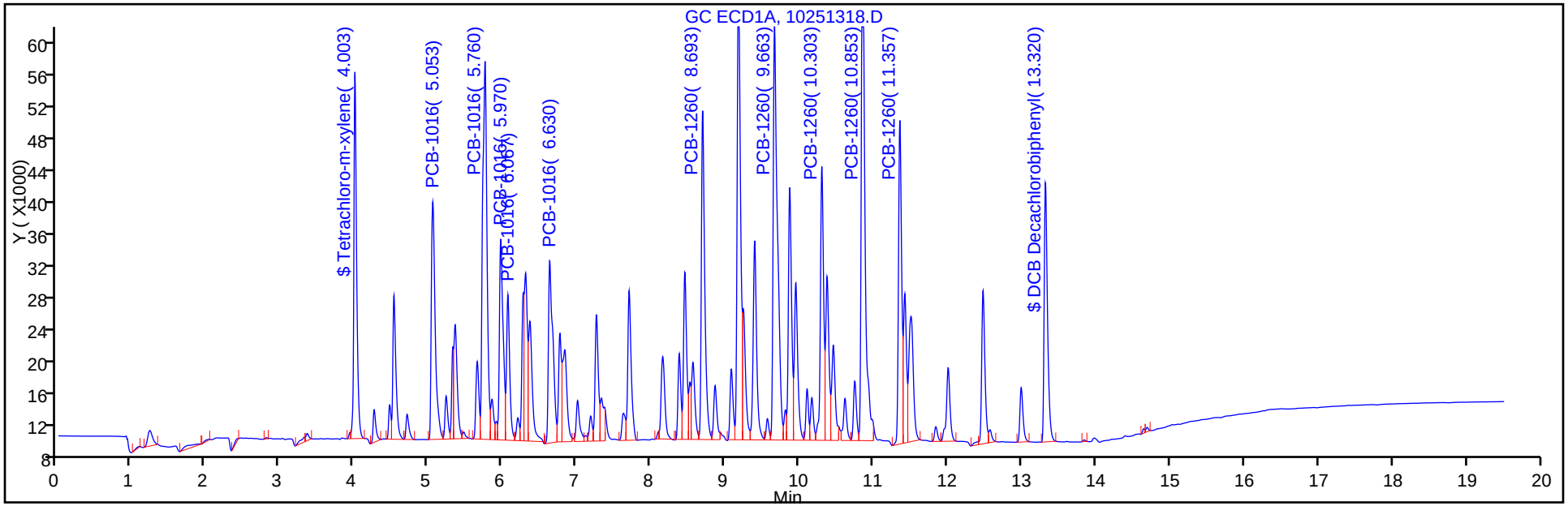
Report Date: 29-Oct-2013 12:13:18 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

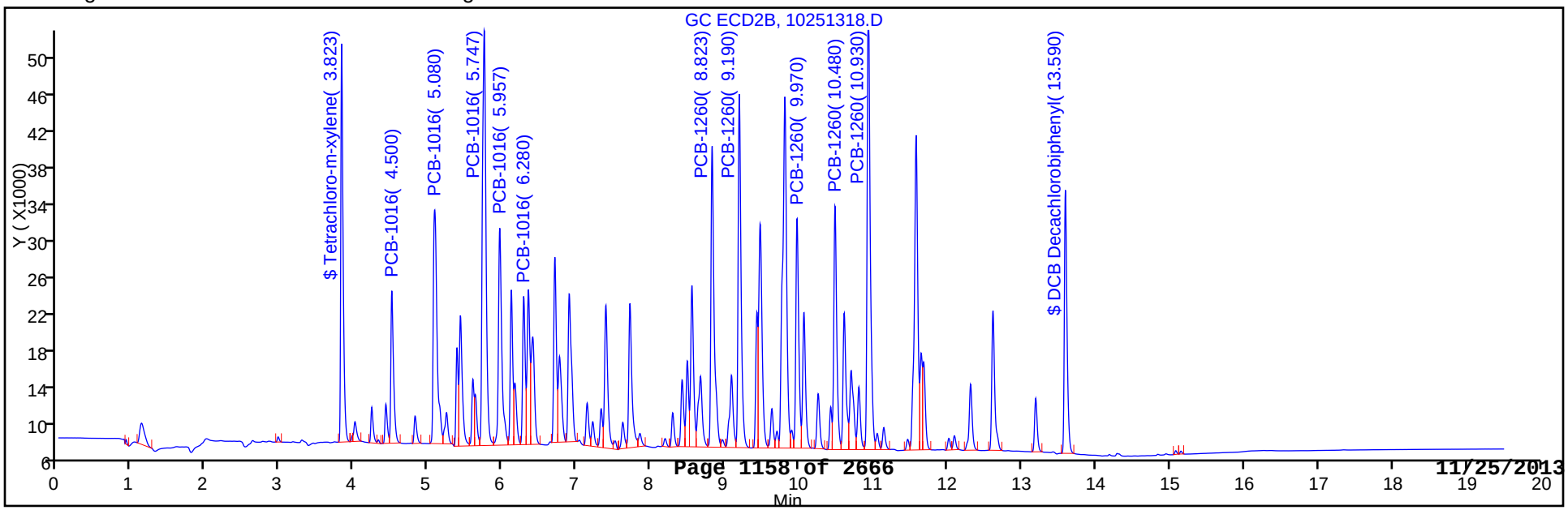
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Injection Date:	25-Oct-2013 21:30:49	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	18
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251319.D		
Lims ID:	STDL31660	Client ID:	
Inject. Date:	25-Oct-2013 21:54:04	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL31660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	19
Lims Batch ID:	197868	Lims Sample ID:	19
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:16	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	50430	5.27			
2	2	3.823	3.823	0.000	41120	5.25			
						RPD = 0.41			
5 PCB-1016									
1	1	5.057	5.057	0.000	50185	113.7		100.0	
1	2	5.760	5.760	0.000	84086	108.5	144.0- 224.0	167.6	
1	3	5.973	5.970	0.003	37924	111.6	42.1- 122.1	75.6	
1	4	6.070	6.067	0.003	21884	101.8	14.1- 94.1	43.6	
1	5	6.633	6.633	0.000	42739	110.1	48.4- 128.4	85.2	
			Average of Peak Amounts =			109.1			
2	6	4.500	4.500	0.000	19260	112.4		100.0	
2	7	5.080	5.080	0.000	42465	116.2	168.4- 248.4	220.5	
2	8	5.750	5.750	0.000	68649	111.1	317.6- 397.6	356.4	
2	9	5.957	5.957	0.000	32978	109.9	127.5- 207.5	171.2	
2	10	6.283	6.280	0.003	17937	114.1	47.1- 127.1	93.1	
			Average of Peak Amounts =			112.7			
						RPD = 3.24			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	58595	111.0		100.0	
1	2	9.667	9.663	0.004	88439	106.1	125.9- 205.9	150.9	
1	3	10.307	10.303	0.004	45444	111.4	43.2- 123.2	77.6	
1	4	10.857	10.853	0.004	97013	108.2	144.8- 224.8	165.6	
1	5	11.357	11.357	0.000	53014	110.8	54.9- 134.9	90.5	
			Average of Peak Amounts =			109.5			
2	6	8.823	8.823	0.000	44696	109.2		100.0	
2	7	9.190	9.187	0.003	49605	111.9	67.1- 147.1	111.0	
2	8	9.970	9.967	0.003	30535	109.0	29.7- 109.7	68.3	
2	9	10.483	10.480	0.003	33609	110.8	35.3- 115.3	75.2	
2	10	10.933	10.930	0.003	64736	108.6	108.5- 188.5	144.8	
			Average of Peak Amounts =			109.9			
						RPD = 0.37			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	47164	5.60			
2	2	13.590	13.590	0.000	32690	5.53			
						RPD = 1.23			
S 15 Polychlorinated biphenyls, Total									
1						218.6			
2						222.6			
						RPD = 1.81			

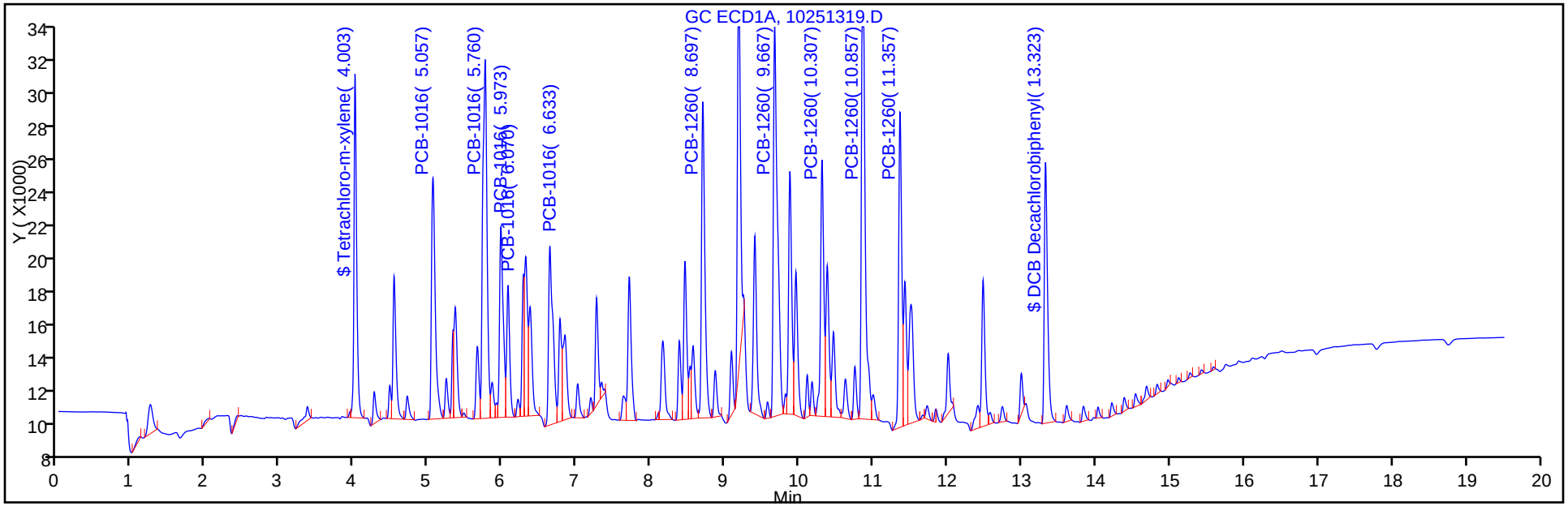
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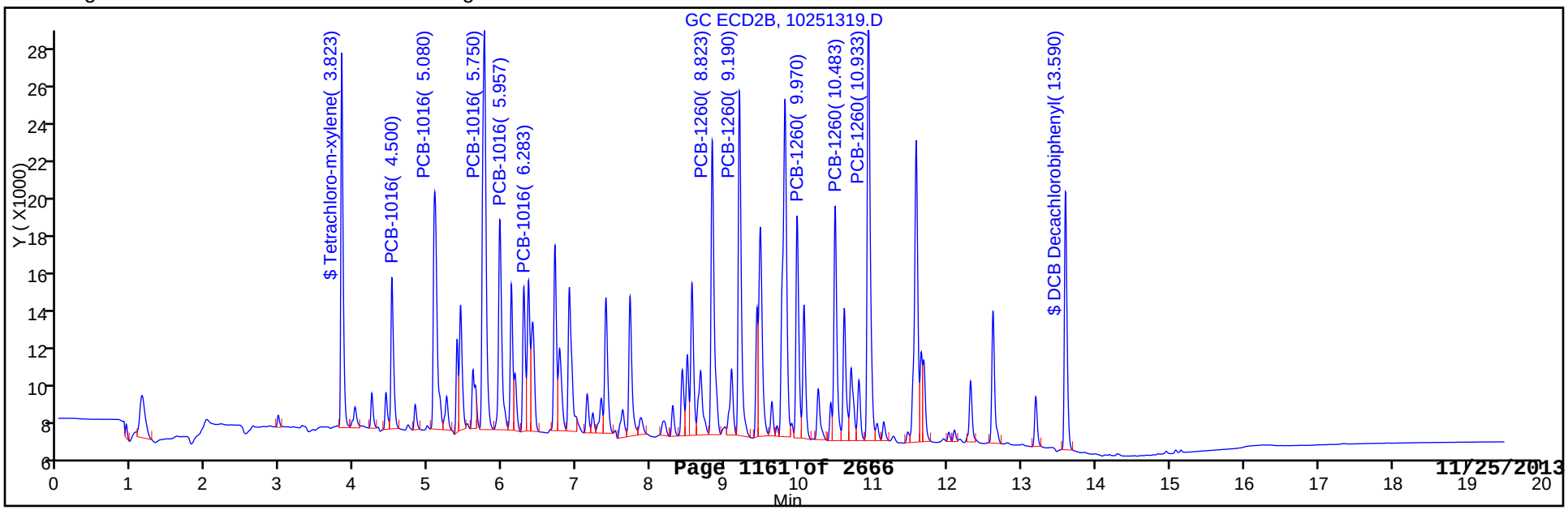
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Injection Date:	25-Oct-2013 21:54:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	19
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251320.D
Lims ID: STDL21660 Client ID:
Inject. Date: 25-Oct-2013 22:17:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL21660
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 20
Lims Batch ID: 197868 Lims Sample ID: 20
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:15 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	26056	2.58			
2	2	3.823	3.823	0.000	22128	2.59			
						RPD = 0.59			
5 PCB-1016									
1	1	5.053	5.057	-0.004	27775	53.0		100.0	
1	2	5.757	5.760	-0.003	43322	50.5	144.0- 224.0	156.0	
1	3	5.970	5.970	0.000	18251	48.3	42.1- 122.1	65.7	
1	4	6.067	6.067	0.000	10372	47.8	14.1- 94.1	37.3	
1	5	6.630	6.633	-0.003	23373	51.7	48.4- 128.4	84.2	
			Average of Peak Amounts =			50.3			
2	6	4.500	4.500	0.000	10775	53.6		100.0	
2	7	5.080	5.080	0.000	24288	55.9	168.4- 248.4	225.4	
2	8	5.747	5.750	-0.003	37528	53.0	317.6- 397.6	348.3	
2	9	5.957	5.957	0.000	19418	55.8	127.5- 207.5	180.2	
2	10	6.280	6.280	0.000	10009	53.2	47.1- 127.1	92.9	
			Average of Peak Amounts =			54.3			
						RPD = 7.73			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.697	8.697	0.000	31449	51.4		100.0	
1	2	9.667	9.663	0.004	46264	50.2	125.9- 205.9	147.1	
1	3	10.307	10.303	0.004	22450	48.3	43.2- 123.2	71.4	
1	4	10.857	10.853	0.004	48390	48.9	144.8- 224.8	153.9	
1	5	11.357	11.357	0.000	26834	50.7	54.9- 134.9	85.3	
			Average of Peak Amounts =			49.9			
2	6	8.823	8.823	0.000	25176	53.2		100.0	
2	7	9.190	9.187	0.003	27660	52.8	67.1- 147.1	109.9	
2	8	9.970	9.967	0.003	16841	52.8	29.7- 109.7	66.9	
2	9	10.483	10.480	0.003	17706	51.0	35.3- 115.3	70.3	
2	10	10.933	10.930	0.003	34785	52.0	108.5- 188.5	138.2	
			Average of Peak Amounts =			52.4			
						RPD = 4.85			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	24951	2.65			
2	2	13.590	13.590	0.000	18176	2.67			
						RPD = 0.62			
S 15 Polychlorinated biphenyls, Total									
1						100.2			
2						106.7			
						RPD = 6.31			

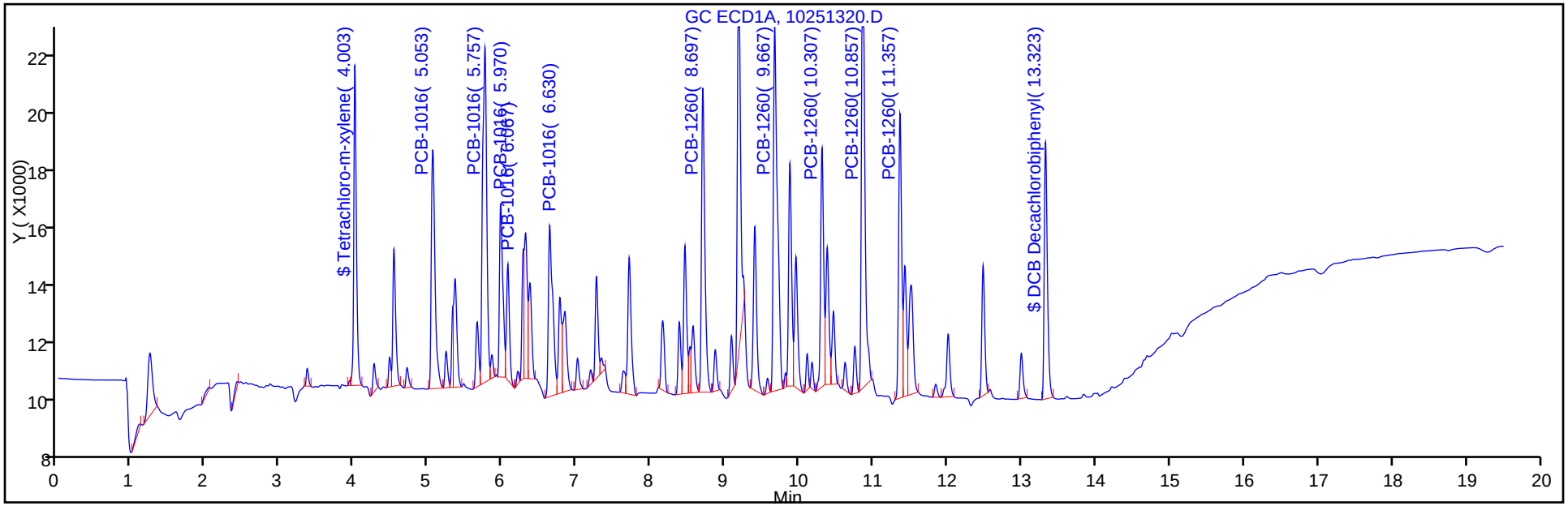
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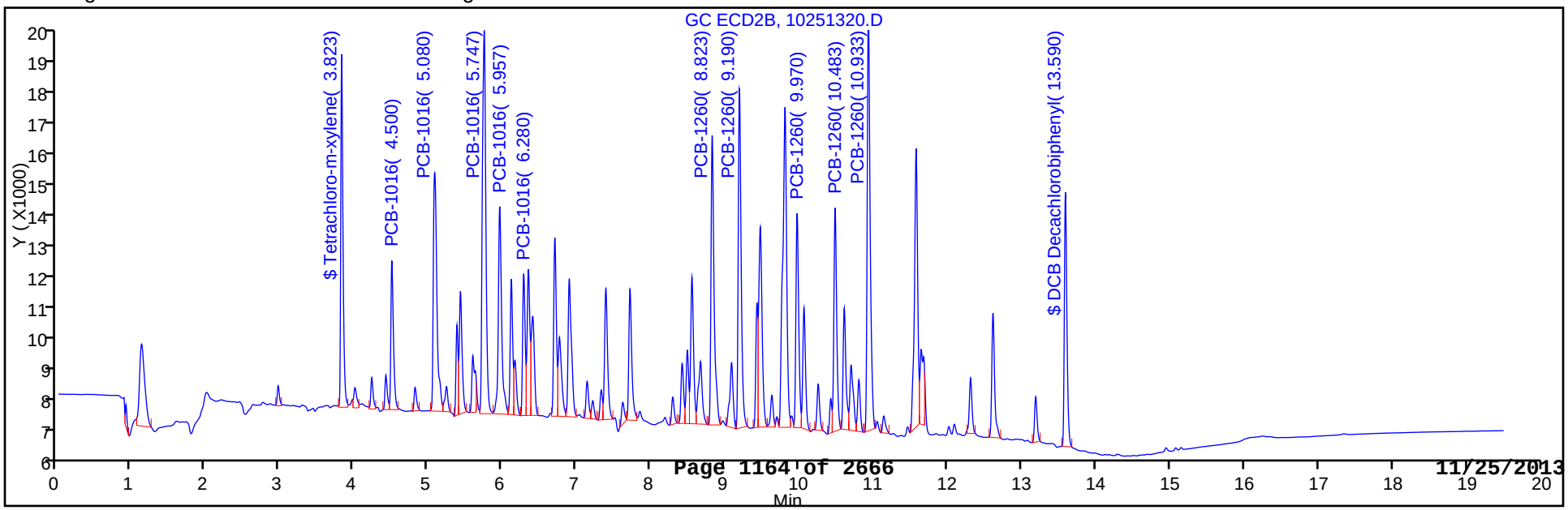
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Injection Date:	25-Oct-2013 22:17:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	20
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251321.D		
Lims ID:	STDL11660	Client ID:	
Inject. Date:	25-Oct-2013 22:40:20	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL11660		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	21
Lims Batch ID:	197868	Lims Sample ID:	21
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:15	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.003	4.003	0.000	13033	1.14			
2	2	3.823	3.823	0.000	11777	1.15			
						RPD = 0.56			
5 PCB-1016									
1	1	5.053	5.057	-0.004	15084	18.6		100.0	
1	2	5.757	5.760	-0.003	23165	21.9	144.0- 224.0	153.6	
1	3	5.970	5.970	0.000	10007	21.8	42.1- 122.1	66.3	
1	4	6.067	6.067	0.000	5588	25.3	14.1- 94.1	37.0	
1	5	6.630	6.633	-0.003	13824	22.9	48.4- 128.4	91.6	
			Average of Peak Amounts =			22.1			
2	6	4.500	4.500	0.000	5778	19.1		100.0	
2	7	5.077	5.080	-0.003	12317	16.2	168.4- 248.4	213.2	
2	8	5.747	5.750	-0.003	19717	19.7	317.6- 397.6	341.2	
2	9	5.957	5.957	0.000	9998	18.3	127.5- 207.5	173.0	
2	10	6.280	6.280	0.000	5557	18.9	47.1- 127.1	96.2	
			Average of Peak Amounts =			18.4			
						RPD = 18.04			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.700	8.697	0.003	17403	20.6		100.0	
1	2	9.670	9.663	0.007	25303	22.4	125.9- 205.9	145.4	
1	3	10.307	10.303	0.004	12600	21.3	43.2- 123.2	72.4	
1	4	10.857	10.853	0.004	26220	21.8	144.8- 224.8	150.7	
1	5	11.360	11.357	0.003	14276	21.8	54.9- 134.9	82.0	
			Average of Peak Amounts =			21.6			
2	6	8.823	8.823	0.000	13778	20.4		100.0	
2	7	9.193	9.187	0.006	15495	20.0	67.1- 147.1	112.5	
2	8	9.970	9.967	0.003	9036	20.8	29.7- 109.7	65.6	
2	9	10.483	10.480	0.003	9856	21.6	35.3- 115.3	71.5	
2	10	10.933	10.930	0.003	18666	21.6	108.5- 188.5	135.5	
			Average of Peak Amounts =			20.9			
						RPD = 3.34			
$ 13 DCB Decachlorobiphenyl									
1	1	13.323	13.320	0.003	12765	1.04			
2	2	13.590	13.590	0.000	9748	1.01			
						RPD = 2.77			
S 15 Polychlorinated biphenyls, Total									
1						43.7			
2						39.3			
						RPD = 10.52			

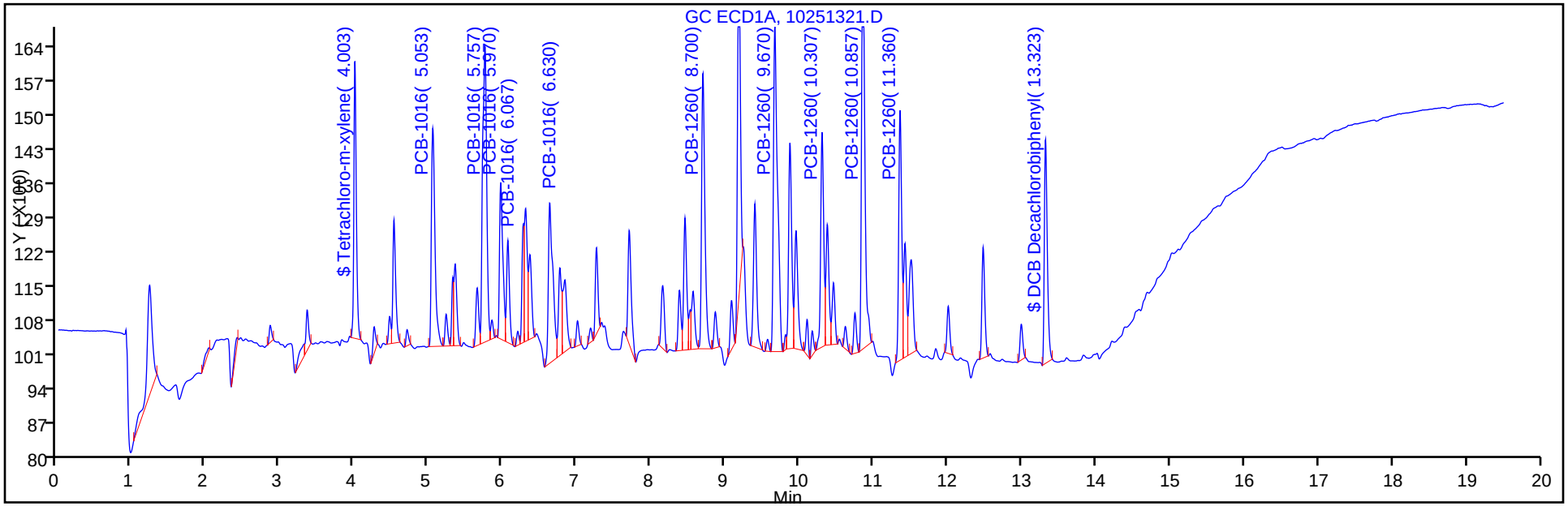
Report Date: 29-Oct-2013 12:13:15 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

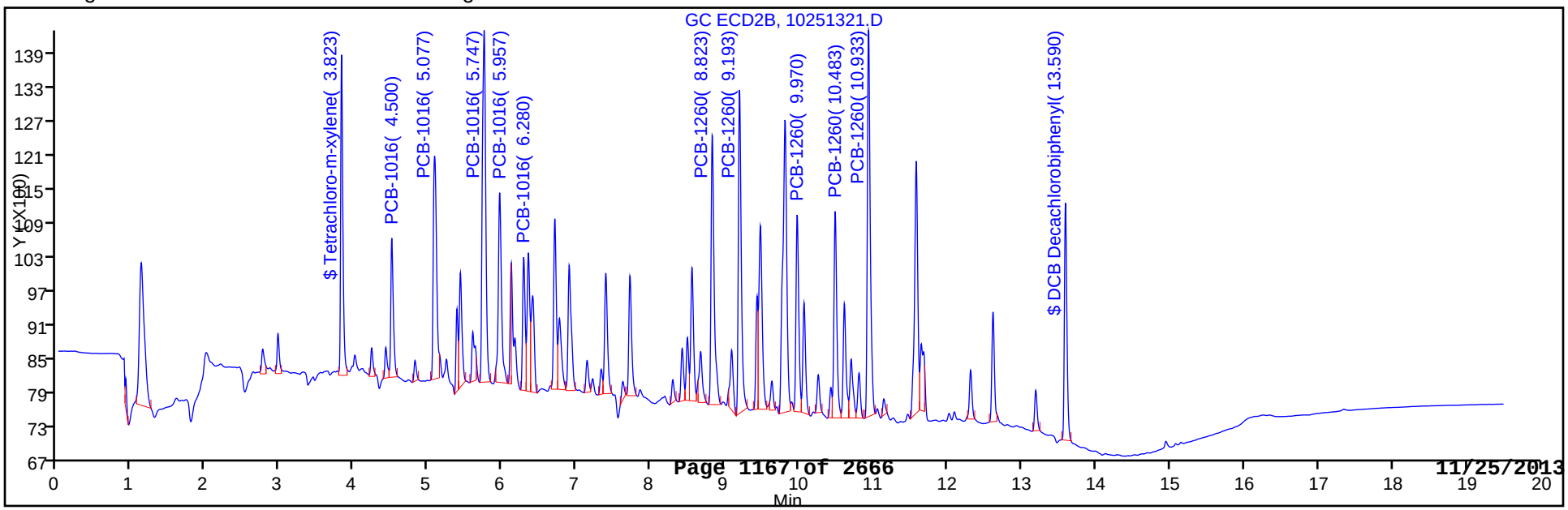
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Injection Date:	25-Oct-2013 22:40:20	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	21
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16059

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1232 Peak 1	4.263	4.260	4.260	4.260	4.260	4.260	4.260				4.220 - 4.300	4.260
PCB-1232 Peak 2	4.527	4.527	4.527	4.527	4.527	4.527	4.527				4.487 - 4.567	4.527
PCB-1232 Peak 3	5.757	5.757	5.757	5.757	5.760	5.757	5.757				5.720 - 5.800	5.757
PCB-1232 Peak 4	5.970	5.967	5.970	5.967	5.970	5.967	5.967				5.930 - 6.010	5.968
PCB-1232 Peak 5	6.630	6.630	6.630	6.630	6.630	6.627	6.630				6.590 - 6.670	6.630
PCB-1262 Peak 1	8.697	8.697	8.697	8.693	8.693	8.690	8.690				8.653 - 8.733	8.694
PCB-1262 Peak 2	9.870	9.870	9.870	9.867	9.867	9.863	9.863				9.827 - 9.907	9.867
PCB-1262 Peak 3	10.303	10.303	10.303	10.300	10.300	10.297	10.297				10.260 - 10.340	10.300
PCB-1262 Peak 4	10.857	10.853	10.853	10.850	10.850	10.847	10.847				10.810 - 10.890	10.851
PCB-1262 Peak 5	11.423	11.423	11.423	11.420	11.420	11.417	11.420				11.380 - 11.460	11.421

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16059

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1232 Peak 1	136.56 80.014	114.80 78.471	99.370 76.176	88.636	Lin1	1800.27615	76.1435764							0.9990		0.9900
PCB-1232 Peak 2	330.60 222.19	304.94 214.95	290.04 203.65	250.06	Lin1	4497.55152	209.159304							0.9950		0.9900
PCB-1232 Peak 3	445.08 354.38	424.54 353.60	414.07 345.24	363.52	Lin1	3474.14233	346.898693							0.9990		0.9900
PCB-1232 Peak 4	192.68 157.89	183.50 157.97	189.80 152.87	152.74	Lin1	1409.43888	153.863898							0.9980		0.9900
PCB-1232 Peak 5	374.40 170.46	244.76 166.58	210.30 158.75	191.72	Lin1	5242.12546	158.048644							0.9980		0.9900
PCB-1262 Peak 1	552.24 372.46	505.08 383.79	485.48 370.31	415.87	Lin1	6236.81703	370.955619							0.9980		0.9900
PCB-1262 Peak 2	839.04 544.70	764.02 544.60	695.68 529.39	582.67	Lin1	10249.9161	528.169939							0.9990		0.9900
PCB-1262 Peak 3	775.04 491.77	671.78 485.94	616.02 469.36	535.84	Lin1	9497.88144	471.676946							0.9980		0.9900
PCB-1262 Peak 4	1361.3 1054.0	1254.9 1050.3	1286.8 1035.6	1141.9	Lin1	11620.9745	1039.23109							0.9990		0.9900
PCB-1262 Peak 5	650.76 409.20	547.96 418.72	523.18 398.00	459.07	Lin1	7609.72520	401.542028							0.9980		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16059

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Lin1	3414 58853	5740 76176	9937	22159	40007	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 2	Lin1	8265 161212	15247 203646	29004	62514	111096	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 3	Lin1	11127 265197	21227 345244	41407	90880	177191	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 4	Lin1	4817 118480	9175 152870	18980	38185	78945	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 5	Lin1	9360 124934	12238 158751	21030	47930	85232	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 1	Lin1	13806 287844	25254 370312	48548	103968	186232	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 2	Lin1	20976 408449	38201 529393	69568	145667	272350	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 3	Lin1	19376 364453	33589 469358	61602	133959	245884	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 4	Lin1	34033 787750	62744 1035570	128683	285487	527023	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 5	Lin1	16269 314038	27398 398004	52318	114768	204598	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251322.D		
Lims ID:	STDL73262	Client ID:	
Inject. Date:	25-Oct-2013 23:03:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL73262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	197868	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:14	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:47:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	76176	976.8		100.0	
1	2	4.527	4.527	0.000	203646	952.1	237.7- 317.7	267.3	
1	3	5.757	5.760	-0.003	345244	985.2	402.9- 482.9	453.2	
1	4	5.967	5.970	-0.003	152870	984.4	157.3- 237.3	200.7	
1	5	6.630	6.630	0.000	158751	971.3	173.0- 253.0	208.4	
			Average of Peak Amounts =			974.0			
2	6	4.227	4.227	0.000	64670	960.8		100.0	
2	7	4.497	4.497	0.000	163555	954.1	216.5- 296.5	252.9	
2	8	5.747	5.747	0.000	265098	969.2	357.2- 437.2	409.9	
2	9	5.953	5.953	0.000	124822	961.4	148.5- 228.5	193.0	
2	10	6.893	6.893	0.000	97137	975.3	102.6- 182.6	150.2	
			Average of Peak Amounts =			964.1			
						RPD = 1.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.690	8.693	-0.003	370312	981.5		100.0	
1	2	9.863	9.867	-0.004	529393	982.9	106.2- 186.2	143.0	
1	3	10.297	10.300	-0.003	469358	974.9	92.0- 172.0	126.7	
1	4	10.847	10.850	-0.003	1035570	985.3	243.0- 323.0	279.6	
1	5	11.420	11.420	0.000	398004	972.2	69.9- 149.9	107.5	
			Average of Peak Amounts =			979.4			
2	6	8.817	8.820	-0.003	285177	978.4		100.0	
2	7	9.183	9.187	-0.004	292056	974.3	64.4- 144.4	102.4	
2	8	9.960	9.963	-0.003	364019	971.1	90.4- 170.4	127.6	
2	9	10.477	10.477	0.000	350269	979.4	83.7- 163.7	122.8	
2	10	10.927	10.927	0.000	637277	983.3	182.5- 262.5	223.5	
			Average of Peak Amounts =			977.3			
						RPD = 0.21			
S 15 Polychlorinated biphenyls, Total									
1						1953.3			
2						1941.4			
						RPD = 0.61			

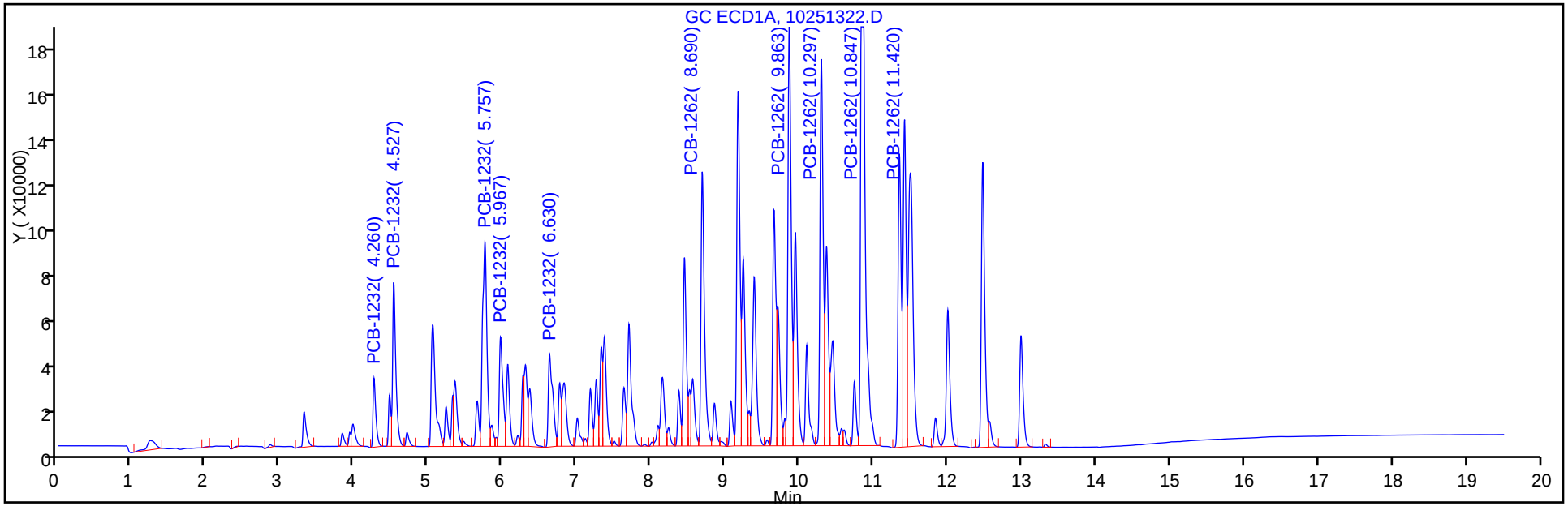
Report Date: 29-Oct-2013 12:13:14 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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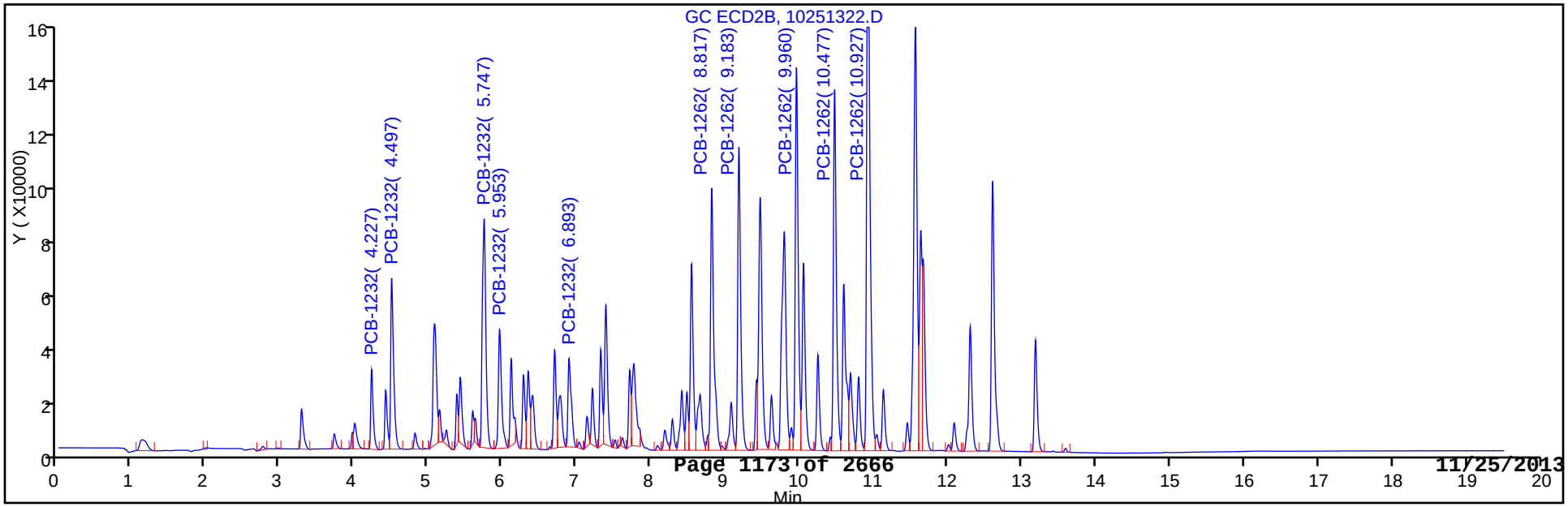
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251322.D

Injection Date:	25-Oct-2013 23:03:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251323.D
Lims ID: STDL63262 Client ID:
Inject. Date: 25-Oct-2013 23:26:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL63262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 197868 Lims Sample ID: 23
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:13 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	58853	749.3		100.0	
1	2	4.527	4.527	0.000	161212	749.3	237.7- 317.7	273.9	
1	3	5.757	5.760	-0.003	265197	754.5	402.9- 482.9	450.6	
1	4	5.967	5.970	-0.003	118480	760.9	157.3- 237.3	201.3	
1	5	6.627	6.630	-0.003	124934	757.3	173.0- 253.0	212.3	
			Average of Peak Amounts =			754.2			
2	6	4.227	4.227	0.000	50419	743.8		100.0	
2	7	4.497	4.497	0.000	129160	747.5	216.5- 296.5	256.2	
2	8	5.747	5.747	0.000	208375	758.4	357.2- 437.2	413.3	
2	9	5.953	5.953	0.000	99230	761.4	148.5- 228.5	196.8	
2	10	6.893	6.893	0.000	74145	741.4	102.6- 182.6	147.1	
			Average of Peak Amounts =			750.5			
						RPD = 0.50			
8 PCB-1262									
1	1	8.690	8.693	-0.003	287844	759.1		100.0	
1	2	9.863	9.867	-0.004	408449	753.9	106.2- 186.2	141.9	
1	3	10.297	10.300	-0.003	364453	752.5	92.0- 172.0	126.6	
1	4	10.847	10.850	-0.003	787750	746.8	243.0- 323.0	273.7	
1	5	11.417	11.420	-0.003	314038	763.1	69.9- 149.9	109.1	
			Average of Peak Amounts =			755.1			
2	6	8.817	8.820	-0.003	219387	747.7		100.0	
2	7	9.183	9.187	-0.004	225498	746.7	64.4- 144.4	102.8	
2	8	9.960	9.963	-0.003	281302	745.4	90.4- 170.4	128.2	
2	9	10.473	10.477	-0.004	267303	743.2	83.7- 163.7	121.8	
2	10	10.923	10.927	-0.004	486191	746.4	182.5- 262.5	221.6	
			Average of Peak Amounts =			745.9			
						RPD = 1.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1509.3			
2						1496.4			
						RPD = 0.86			

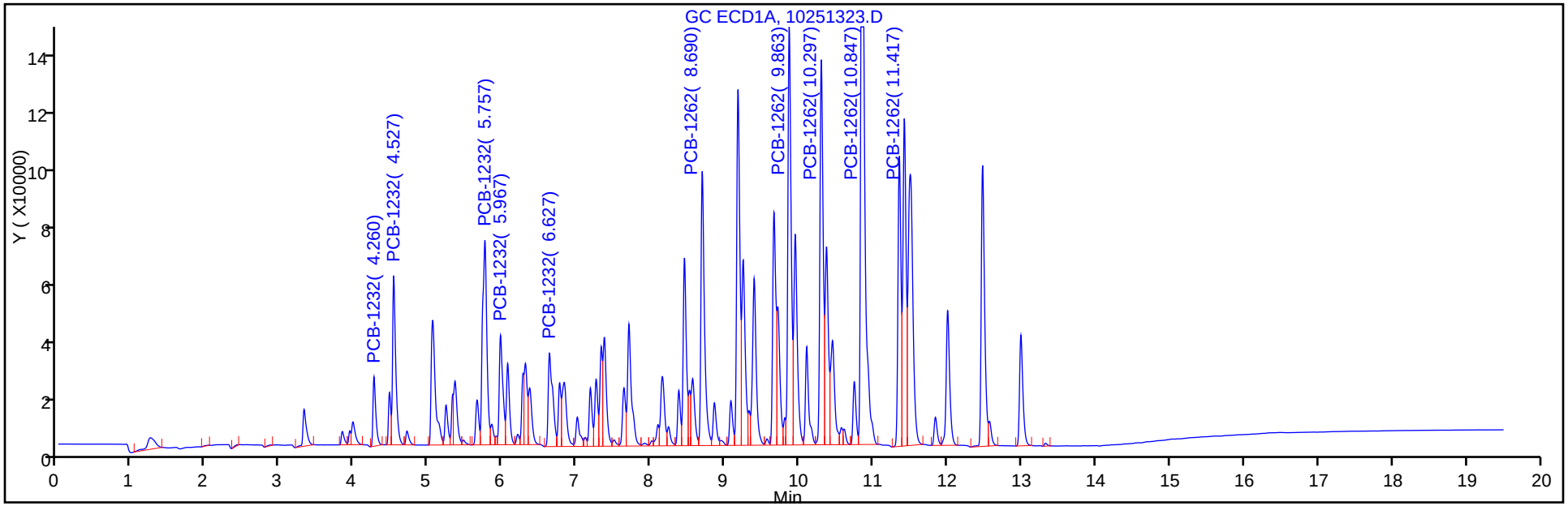
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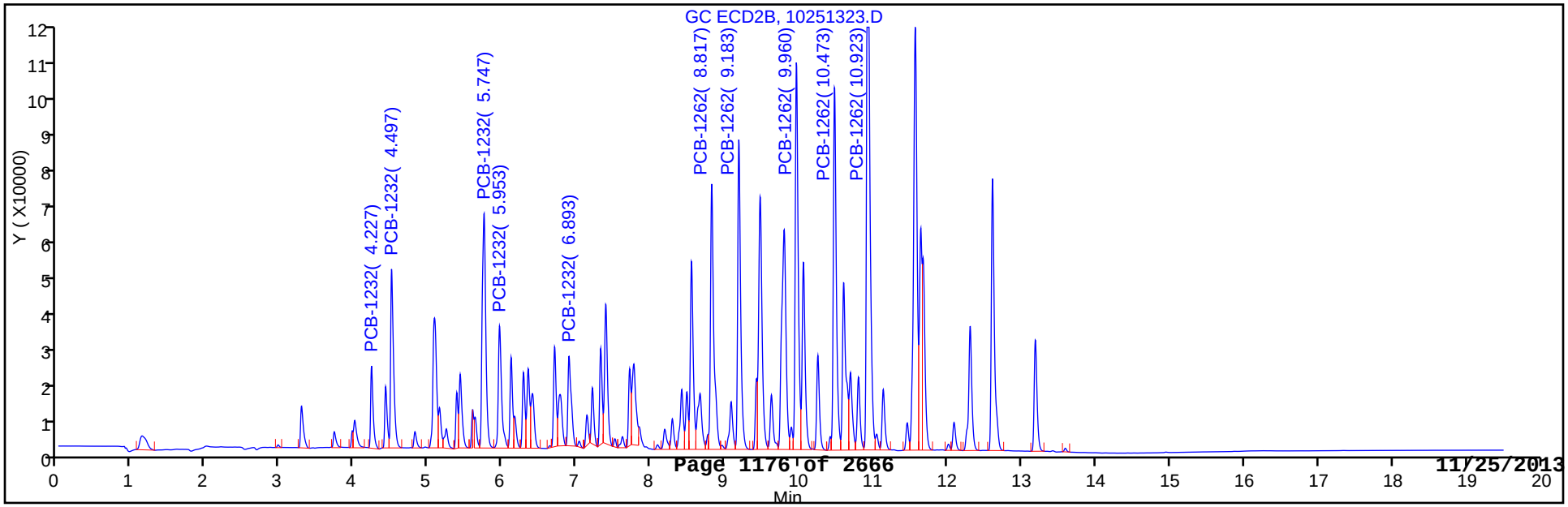
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Injection Date:	25-Oct-2013 23:26:45	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	23
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251324.D		
Lims ID:	STDL53262	Client ID:	
Inject. Date:	25-Oct-2013 23:50:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL53262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	197868	Lims Sample ID:	24
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:12	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:18:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	40007	501.8		100.0	
1	2	4.527	4.527	0.000	111096	509.7	237.7- 317.7	277.7	
1	3	5.760	5.760	0.000	177191	500.8	402.9- 482.9	442.9	
1	4	5.970	5.970	0.000	78945	503.9	157.3- 237.3	197.3	
1	5	6.630	6.630	0.000	85232	506.1	173.0- 253.0	213.0	
			Average of Peak Amounts =			504.4			
2	6	4.227	4.227	0.000	34893	507.5		100.0	
2	7	4.497	4.497	0.000	89504	509.3	216.5- 296.5	256.5	
2	8	5.747	5.747	0.000	138611	499.2	357.2- 437.2	397.2	
2	9	5.953	5.953	0.000	65756	499.7	148.5- 228.5	188.5	
2	10	6.893	6.893	0.000	49768	493.5	102.6- 182.6	142.6	
			Average of Peak Amounts =			501.9			
						RPD = 0.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.693	8.693	0.000	186232	485.2		100.0	
1	2	9.867	9.867	0.000	272350	496.2	106.2- 186.2	146.2	
1	3	10.300	10.300	0.000	245884	501.2	92.0- 172.0	132.0	
1	4	10.850	10.850	0.000	527023	495.9	243.0- 323.0	283.0	
1	5	11.420	11.420	0.000	204598	490.6	69.9- 149.9	109.9	
			Average of Peak Amounts =			493.8			
2	6	8.820	8.820	0.000	146976	493.8		100.0	
2	7	9.187	9.187	0.000	153379	500.0	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	191642	500.8	90.4- 170.4	130.4	
2	9	10.477	10.477	0.000	181824	499.8	83.7- 163.7	123.7	
2	10	10.927	10.927	0.000	327021	496.7	182.5- 262.5	222.5	
			Average of Peak Amounts =			498.2			
						RPD = 0.89			
S 15 Polychlorinated biphenyls, Total									
1						998.3			
2						1000.1			
						RPD = 0.18			

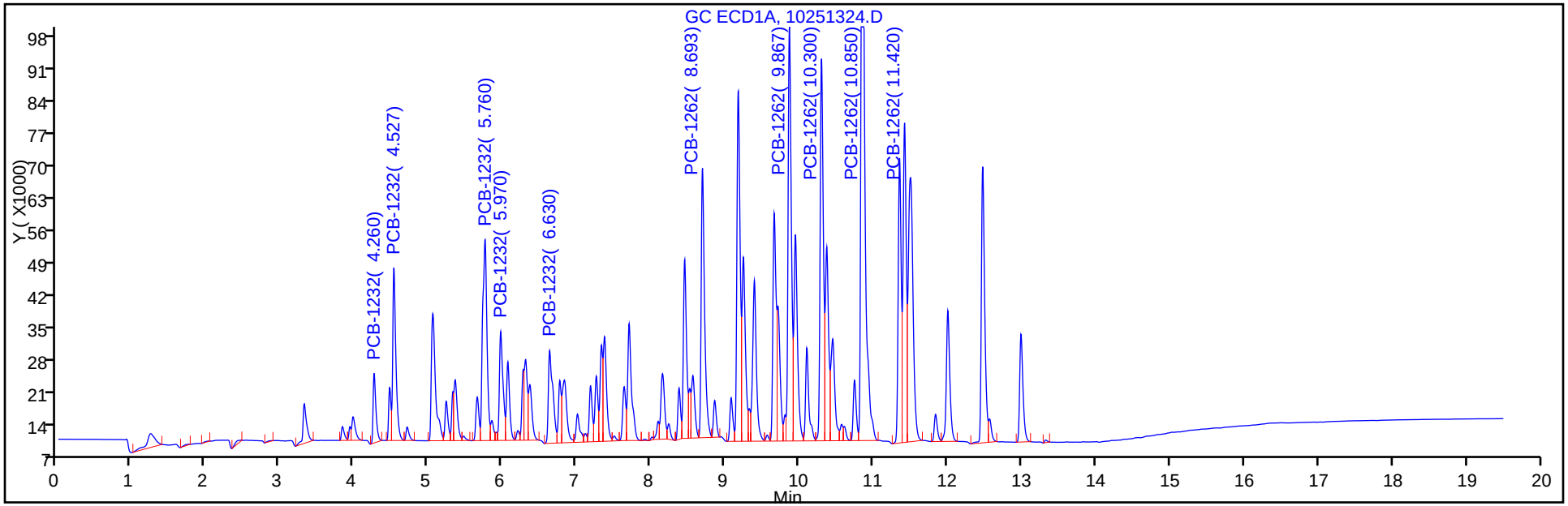
Report Date: 29-Oct-2013 12:13:13 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

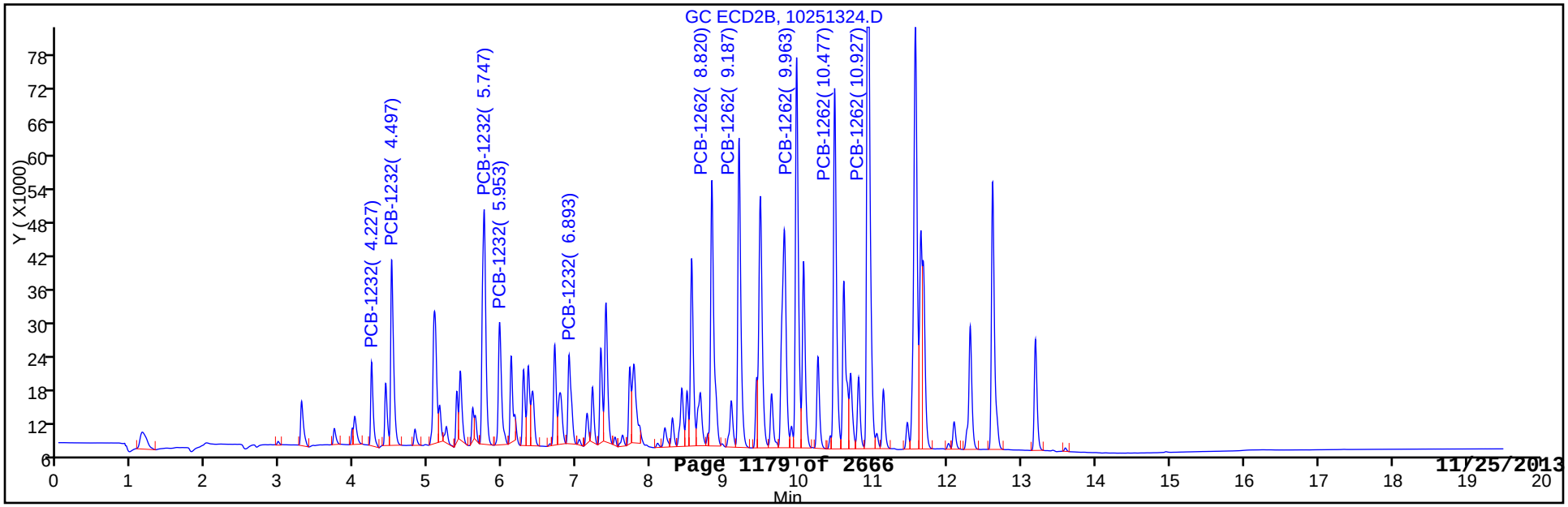
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251324.D

Injection Date:	25-Oct-2013 23:50:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	24
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251325.D
Lims ID: STDL43262 Client ID:
Inject. Date: 26-Oct-2013 00:13:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL43262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 197868 Lims Sample ID: 25
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:11 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	22159	267.4		100.0	
1	2	4.527	4.527	0.000	62514	277.4	237.7- 317.7	282.1	
1	3	5.757	5.760	-0.003	90880	252.0	402.9- 482.9	410.1	
1	4	5.967	5.970	-0.003	38185	239.0	157.3- 237.3	172.3	
1	5	6.630	6.630	0.000	47930	270.1	173.0- 253.0	216.3	
			Average of Peak Amounts =			261.2			
2	6	4.230	4.227	0.003	19822	278.1		100.0	
2	7	4.500	4.497	0.003	51016	278.2	216.5- 296.5	257.4	
2	8	5.747	5.747	0.000	75616	265.2	357.2- 437.2	381.5	
2	9	5.957	5.953	0.004	36003	267.2	148.5- 228.5	181.6	
2	10	6.893	6.893	0.000	28913	281.4	102.6- 182.6	145.9	
			Average of Peak Amounts =			274.0			
						RPD = 4.79			
8 PCB-1262									
1	1	8.693	8.693	0.000	103968	263.5		100.0	
1	2	9.867	9.867	0.000	145667	256.4	106.2- 186.2	140.1	
1	3	10.300	10.300	0.000	133959	263.9	92.0- 172.0	128.8	
1	4	10.850	10.850	0.000	285487	263.5	243.0- 323.0	274.6	
1	5	11.420	11.420	0.000	114768	266.9	69.9- 149.9	110.4	
			Average of Peak Amounts =			262.8			
2	6	8.820	8.820	0.000	82892	269.2		100.0	
2	7	9.187	9.187	0.000	85642	268.3	64.4- 144.4	103.3	
2	8	9.967	9.963	0.004	107728	271.9	90.4- 170.4	130.0	
2	9	10.480	10.477	0.003	100307	267.8	83.7- 163.7	121.0	
2	10	10.927	10.927	0.000	179214	264.9	182.5- 262.5	216.2	
			Average of Peak Amounts =			268.4			
						RPD = 2.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.0			
2						542.4			
						RPD = 3.45			

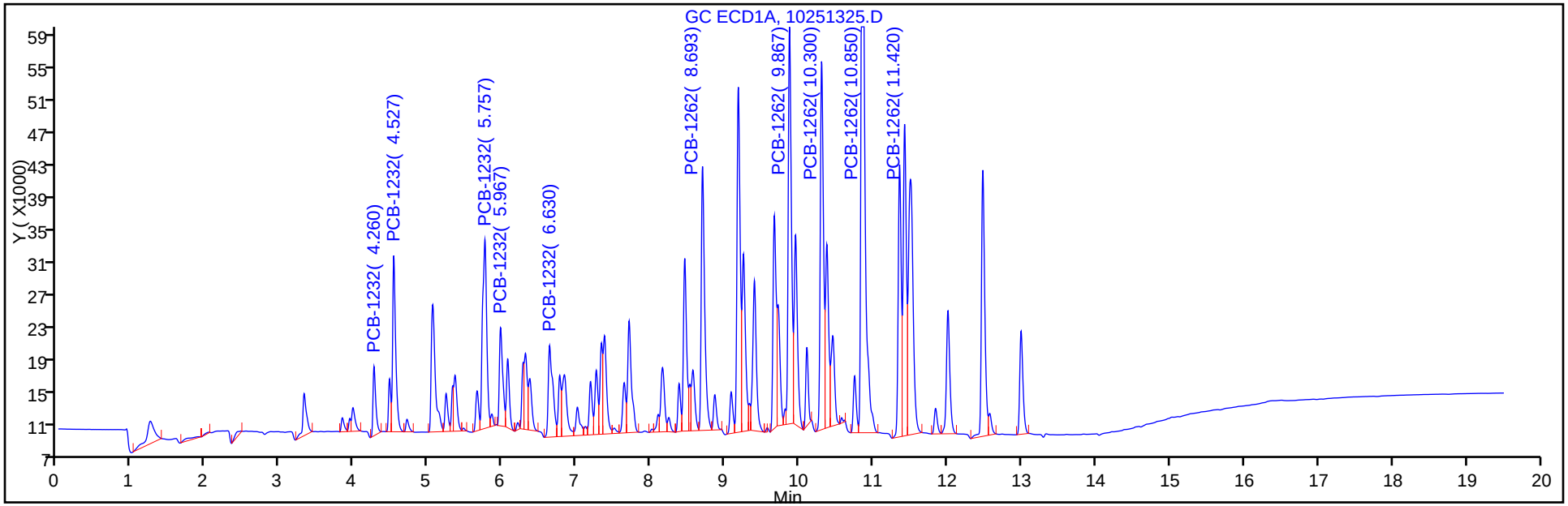
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TestAmerica Denver

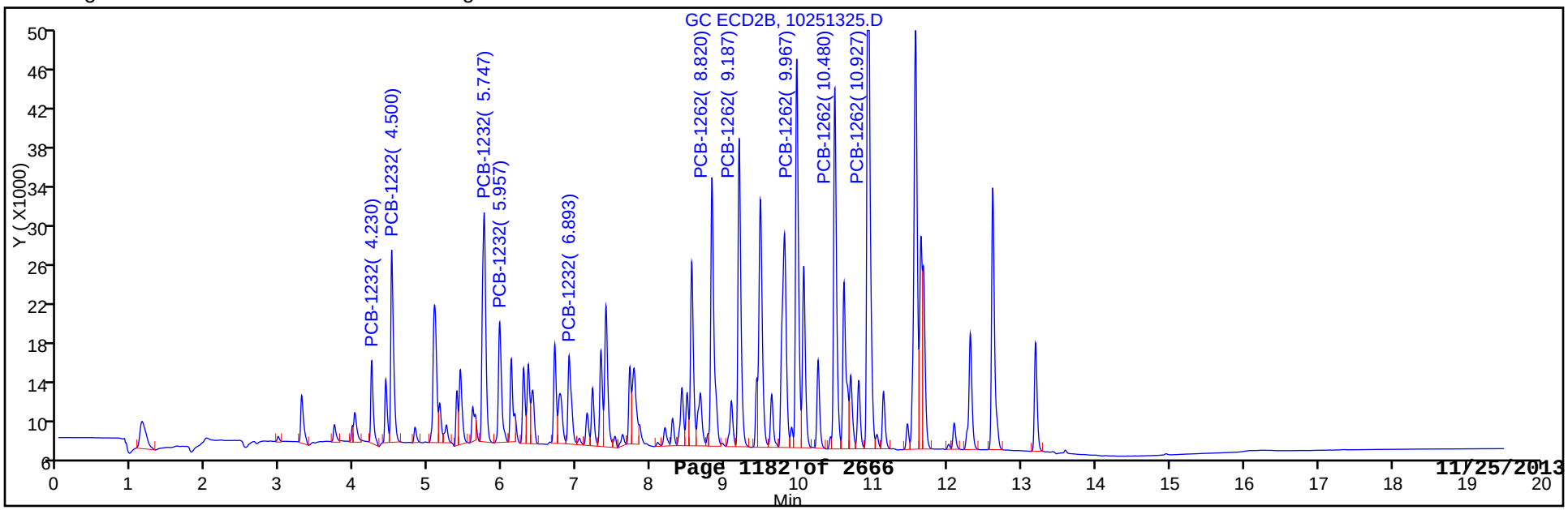
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Injection Date:	26-Oct-2013 00:13:09	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	25
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251326.D
Lims ID: STDL33262 Client ID:
Inject. Date: 26-Oct-2013 00:36:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL33262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 197868 Lims Sample ID: 26
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:11 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	9937	106.9		100.0	
1	2	4.527	4.527	0.000	29004	117.2	237.7- 317.7	291.9	
1	3	5.757	5.760	-0.003	41407	109.3	402.9- 482.9	416.7	
1	4	5.970	5.970	0.000	18980	114.2	157.3- 237.3	191.0	
1	5	6.630	6.630	0.000	21030	99.9	173.0- 253.0	211.6	
			Average of Peak Amounts =			109.5			
2	6	4.230	4.227	0.003	9177	116.0		100.0	
2	7	4.500	4.497	0.003	23997	115.9	216.5- 296.5	261.5	
2	8	5.747	5.747	0.000	33927	110.3	357.2- 437.2	369.7	
2	9	5.957	5.953	0.004	16264	112.9	148.5- 228.5	177.2	
2	10	6.893	6.893	0.000	12335	112.8	102.6- 182.6	134.4	
			Average of Peak Amounts =			113.6			
						RPD = 3.66			
8 PCB-1262									
1	1	8.697	8.693	0.004	48548	114.1		100.0	
1	2	9.870	9.867	0.003	69568	112.3	106.2- 186.2	143.3	
1	3	10.303	10.300	0.003	61602	110.5	92.0- 172.0	126.9	
1	4	10.853	10.850	0.003	128683	112.6	243.0- 323.0	265.1	
1	5	11.423	11.420	0.003	52318	111.3	69.9- 149.9	107.8	
			Average of Peak Amounts =			112.2			
2	6	8.823	8.820	0.003	38677	114.2		100.0	
2	7	9.190	9.187	0.003	40361	113.5	64.4- 144.4	104.4	
2	8	9.967	9.963	0.004	50532	115.8	90.4- 170.4	130.7	
2	9	10.480	10.477	0.003	46543	114.7	83.7- 163.7	120.3	
2	10	10.930	10.927	0.003	81727	112.0	182.5- 262.5	211.3	
			Average of Peak Amounts =			114.0			
						RPD = 1.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						221.7			
2						227.6			
						RPD = 2.65			

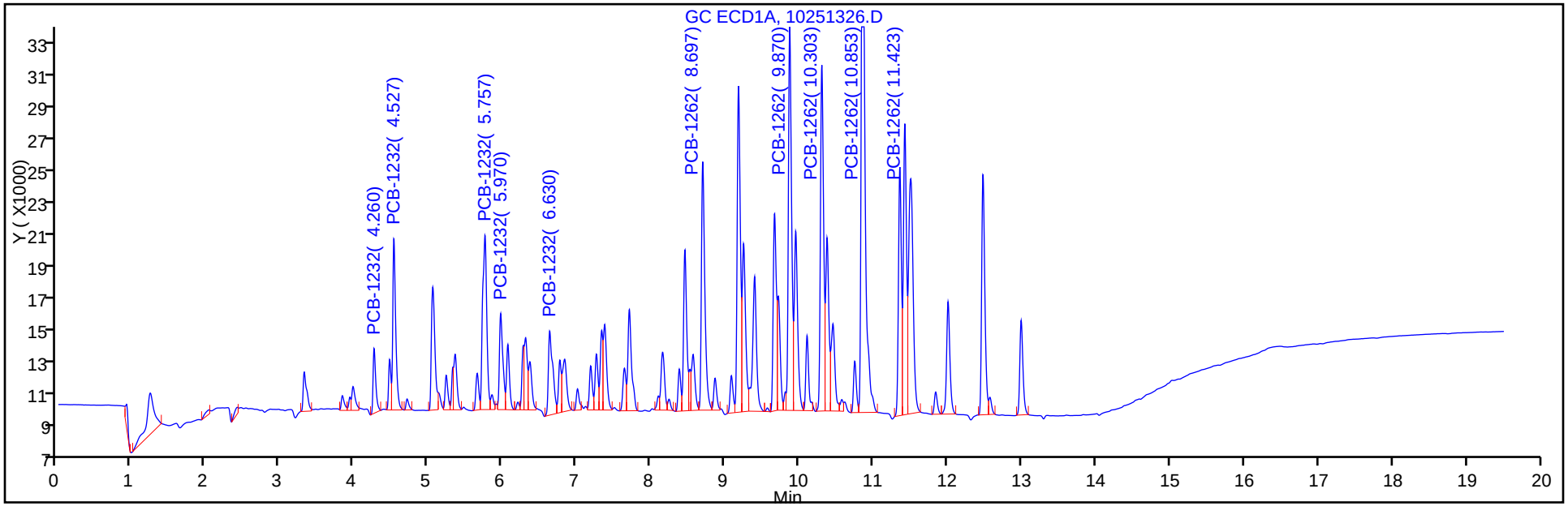
Report Date: 29-Oct-2013 12:13:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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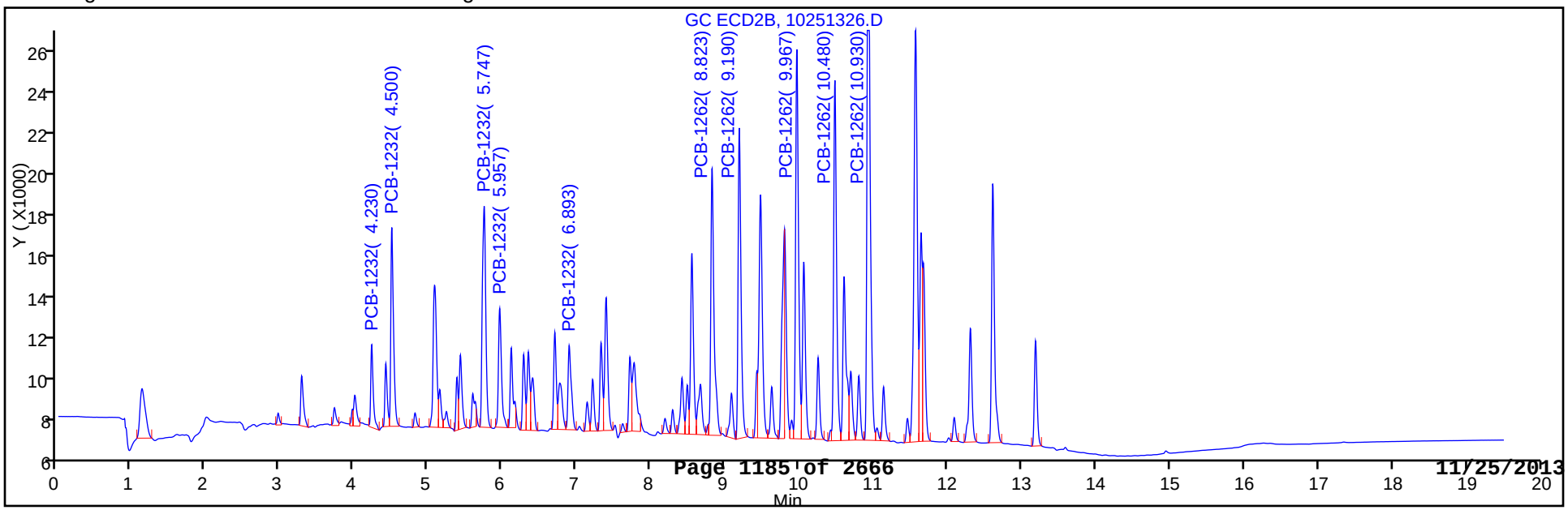
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Injection Date:	26-Oct-2013 00:36:22	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	26
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251327.D
Lims ID: STDL23262 Client ID:
Inject. Date: 26-Oct-2013 00:59:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL23262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 197868 Lims Sample ID: 27
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:10 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	5740	51.7		100.0	
1	2	4.527	4.527	0.000	15247	51.4	237.7- 317.7	265.6	
1	3	5.757	5.760	-0.003	21227	51.2	402.9- 482.9	369.8	
1	4	5.967	5.970	-0.003	9175	50.5	157.3- 237.3	159.8	
1	5	6.630	6.630	0.000	12238	44.3	173.0- 253.0	213.2	
			Average of Peak Amounts =			49.8			
2	6	4.227	4.227	0.000	4819	49.7		100.0	
2	7	4.500	4.497	0.003	13379	52.1	216.5- 296.5	277.6	
2	8	5.747	5.747	0.000	18377	52.5	357.2- 437.2	381.3	
2	9	5.953	5.953	0.000	8675	53.6	148.5- 228.5	180.0	
2	10	6.893	6.893	0.000	6319	51.6	102.6- 182.6	131.1	
			Average of Peak Amounts =			51.9			
						RPD = 4.10			
8 PCB-1262									
1	1	8.697	8.693	0.004	25254	51.3		100.0	
1	2	9.870	9.867	0.003	38201	52.9	106.2- 186.2	151.3	
1	3	10.303	10.300	0.003	33589	51.1	92.0- 172.0	133.0	
1	4	10.853	10.850	0.003	62744	49.2	243.0- 323.0	248.5	
1	5	11.423	11.420	0.003	27398	49.3	69.9- 149.9	108.5	
			Average of Peak Amounts =			50.7			
2	6	8.823	8.820	0.003	21104	52.6		100.0	
2	7	9.190	9.187	0.003	22791	53.4	64.4- 144.4	108.0	
2	8	9.967	9.963	0.004	26674	50.7	90.4- 170.4	126.4	
2	9	10.480	10.477	0.003	23690	49.6	83.7- 163.7	112.3	
2	10	10.930	10.927	0.003	42645	50.7	182.5- 262.5	202.1	
			Average of Peak Amounts =			51.4			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						100.6			
2						103.3			
						RPD = 2.70			

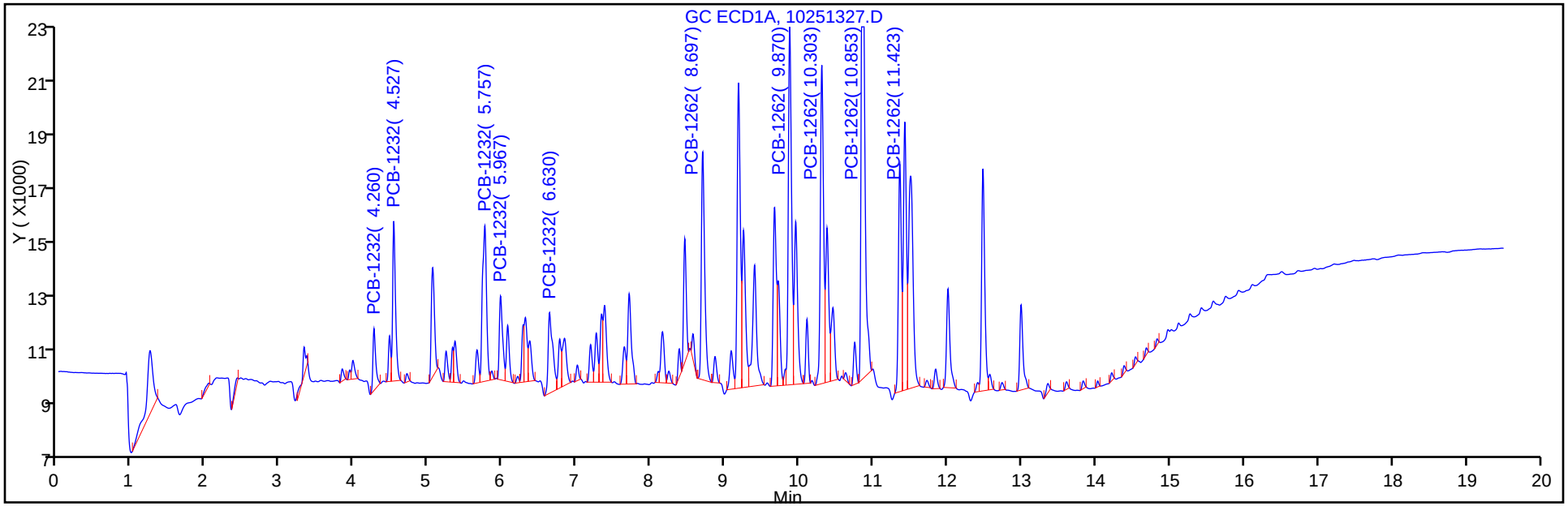
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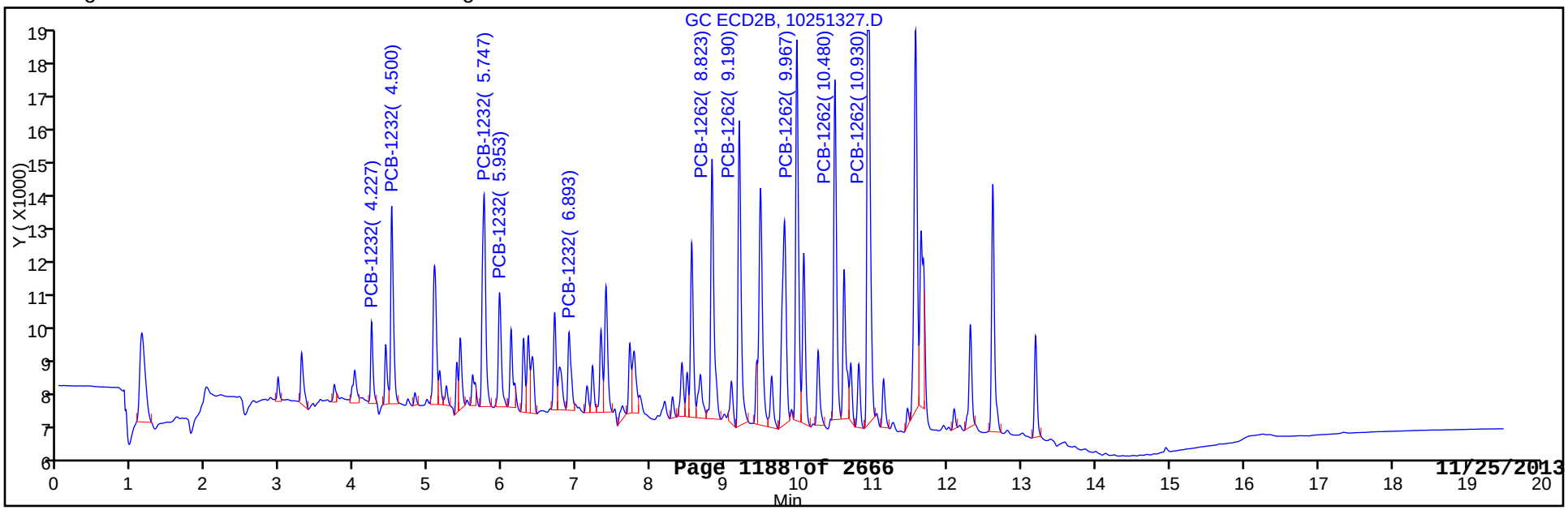
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Injection Date:	26-Oct-2013 00:59:24	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	27
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D		
Lims ID:	STDL13262	Client ID:	
Inject. Date:	26-Oct-2013 01:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL13262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	197868	Lims Sample ID:	28
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:08	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:53:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.263	4.260	0.003	3414	21.2		100.0	
1	2	4.527	4.527	0.000	8265	18.0	237.7- 317.7	242.1	
1	3	5.757	5.760	-0.003	11127	22.1	402.9- 482.9	325.9	
1	4	5.970	5.970	0.000	4817	22.1	157.3- 237.3	141.1	
1	5	6.630	6.630	0.000	9360	26.1	173.0- 253.0	274.2	
			Average of Peak Amounts =			21.9			
2	6	4.227	4.227	0.000	2813	19.2		100.0	
2	7	4.500	4.497	0.003	7678	17.9	216.5- 296.5	272.9	
2	8	5.747	5.747	0.000	9672	20.2	357.2- 437.2	343.8	
2	9	5.957	5.953	0.004	4240	18.9	148.5- 228.5	150.7	
2	10	6.893	6.893	0.000	3130	19.1	102.6- 182.6	111.3	
			Average of Peak Amounts =			19.0			
						RPD = 13.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									M
1	1	8.697	8.693	0.004	13806	20.4		100.0	M
1	2	9.870	9.867	0.003	20976	20.3	106.2- 186.2	151.9	
1	3	10.303	10.300	0.003	19376	20.9	92.0- 172.0	140.3	
1	4	10.857	10.850	0.007	34033	21.6	243.0- 323.0	246.5	
1	5	11.423	11.420	0.003	16269	21.6	69.9- 149.9	117.8	
			Average of Peak Amounts =			21.0			
2	6	8.823	8.820	0.003	11582	19.2		100.0	
2	7	9.190	9.187	0.003	12694	18.9	64.4- 144.4	109.6	
2	8	9.967	9.963	0.004	15164	19.3	90.4- 170.4	130.9	
2	9	10.480	10.477	0.003	13447	20.5	83.7- 163.7	116.1	
2	10	10.930	10.927	0.003	23572	20.8	182.5- 262.5	203.5	
			Average of Peak Amounts =			19.7			
						RPD = 6.01			
S 15 Polychlorinated biphenyls, Total									
1						42.9			
2						38.8			
						RPD = 9.96			

QC Flag Legend

Review Flags
M - Manually Integrated

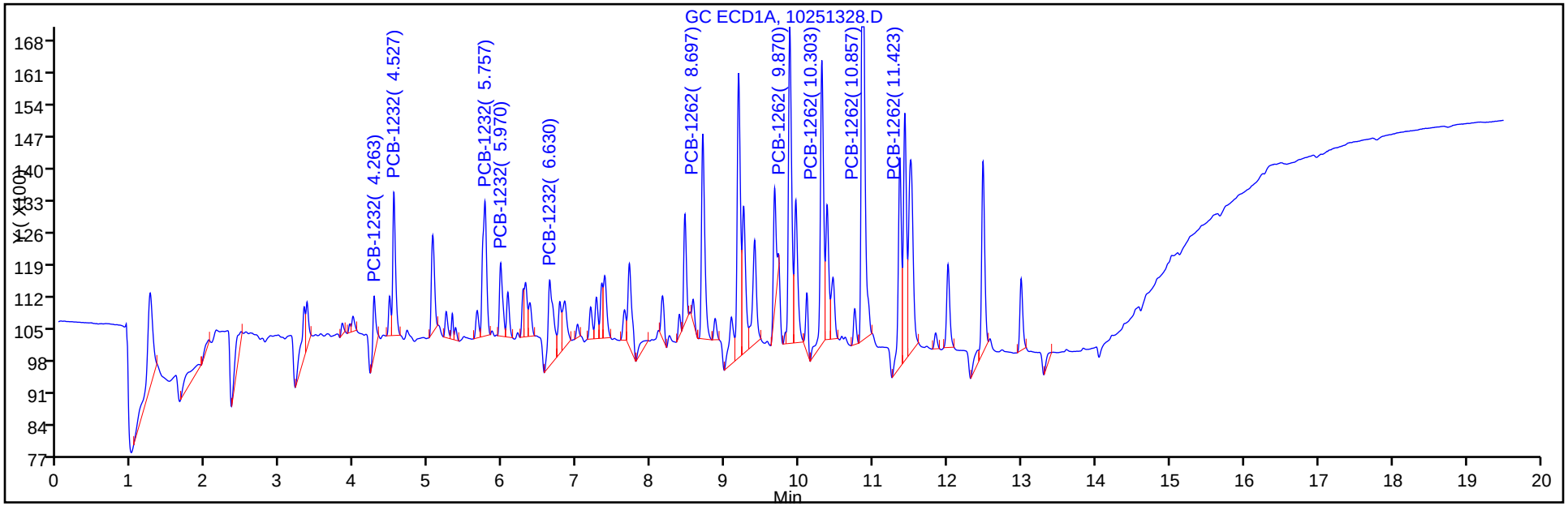
Report Date: 29-Oct-2013 12:13:09 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

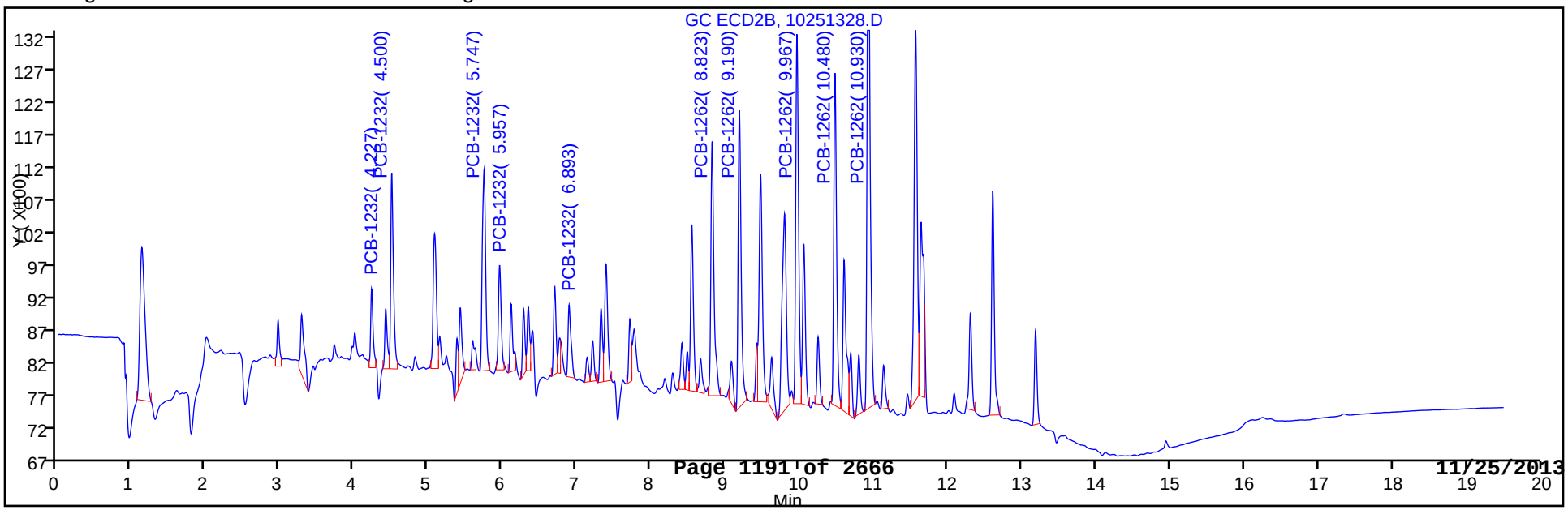
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D

Injection Date:	26-Oct-2013 01:22:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	28
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



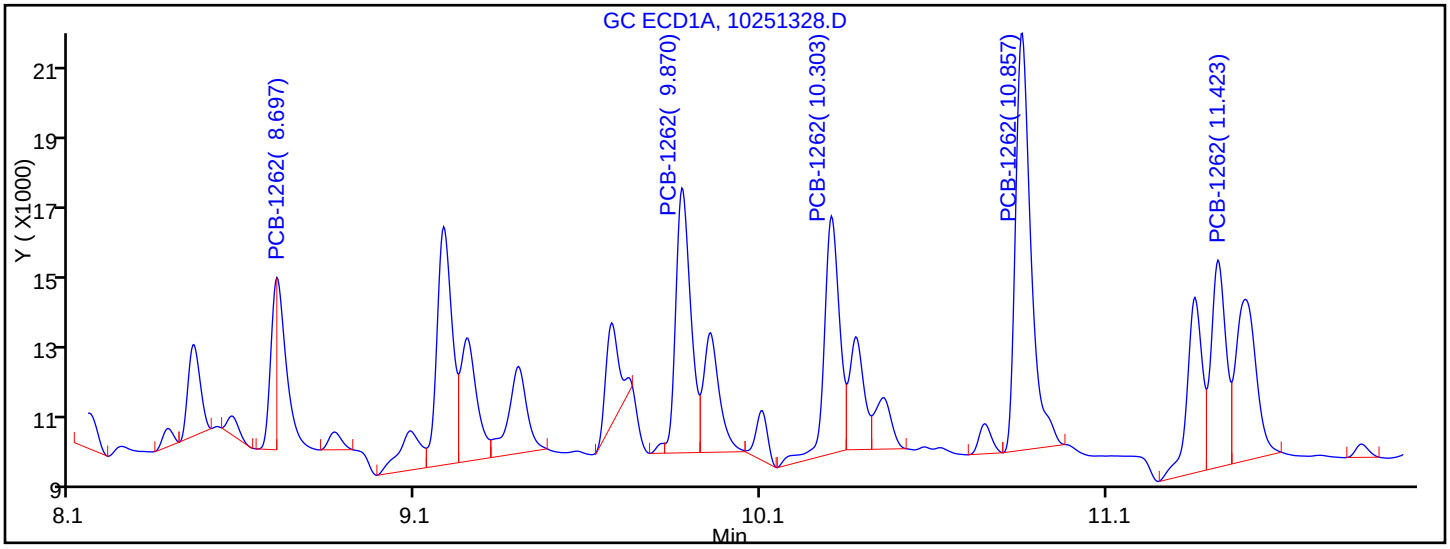
Report Date: 29-Oct-2013 12:13:10 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D

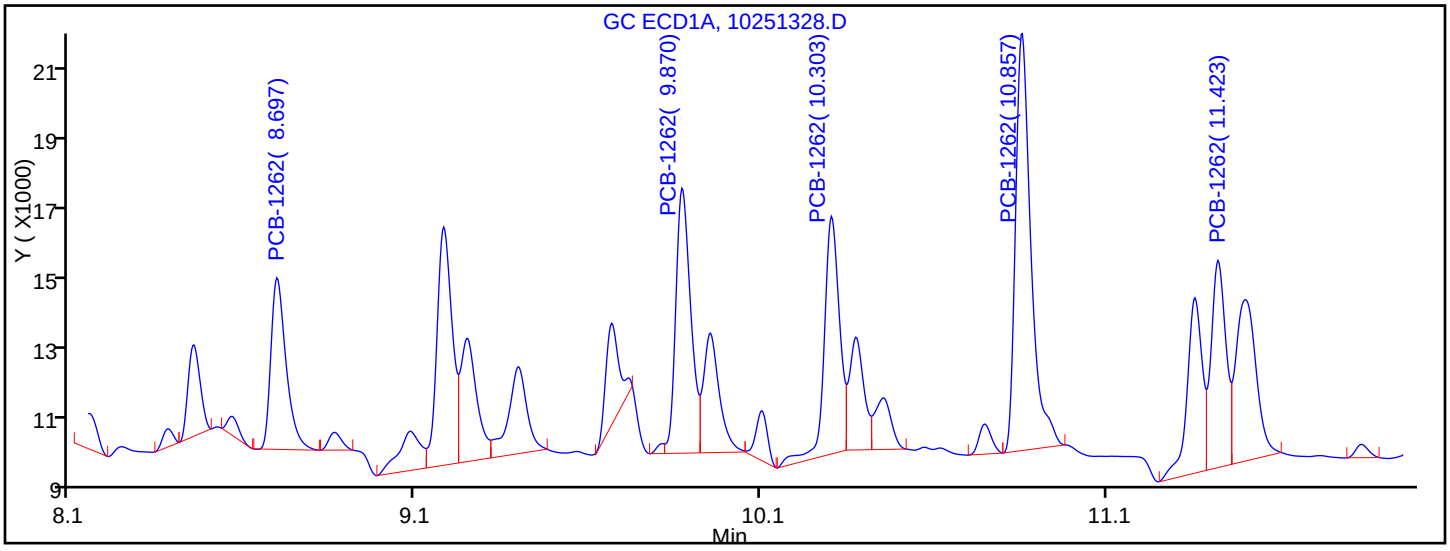
Injection Date:	26-Oct-2013 01:22:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	28
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

8 PCB-1262, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.697	Response = 5307	M
RT = 9.870	Response = 20976	
RT = 10.303	Response = 19376	
RT = 10.857	Response = 34033	
RT = 11.423	Response = 16269	



Manual Integration Results

RT = 8.697	Response = 13806	M
RT = 9.870	Response = 20976	
RT = 10.303	Response = 19376	
RT = 10.857	Response = 34033	
RT = 11.423	Response = 16269	

Reviewer: jacksonto, 29-Oct-2013 10:53:50

Audit Action: Manually Integrated

Audit Reason: Split Peak

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1232 Peak 1	4.227	4.227	4.230	4.230	4.227	4.227	4.227				4.187 - 4.267	4.228
PCB-1232 Peak 2	4.500	4.500	4.500	4.500	4.497	4.497	4.497				4.457 - 4.537	4.499
PCB-1232 Peak 3	5.747	5.747	5.747	5.747	5.747	5.747	5.747				5.707 - 5.787	5.747
PCB-1232 Peak 4	5.957	5.953	5.957	5.957	5.953	5.953	5.953				5.913 - 5.993	5.955
PCB-1232 Peak 5	6.893	6.893	6.893	6.893	6.893	6.893	6.893				6.853 - 6.933	6.893
PCB-1262 Peak 1	8.823	8.823	8.823	8.820	8.820	8.817	8.817				8.780 - 8.860	8.820
PCB-1262 Peak 2	9.190	9.190	9.190	9.187	9.187	9.183	9.183				9.147 - 9.227	9.187
PCB-1262 Peak 3	9.967	9.967	9.967	9.967	9.963	9.960	9.960				9.923 - 10.003	9.964
PCB-1262 Peak 4	10.480	10.480	10.480	10.480	10.477	10.473	10.477				10.437 - 10.517	10.478
PCB-1262 Peak 5	10.930	10.930	10.930	10.927	10.927	10.923	10.927				10.887 - 10.967	10.928

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1232 Peak 1	112.52 69.786	96.380 67.225	91.770 64.670	79.288	Lin1	1554.70055	65.6934939							0.9960		0.9900
PCB-1232 Peak 2	307.12 179.01	267.58 172.21	239.97 163.56	204.06	Lin1	4697.32972	166.507548							0.9950		0.9900
PCB-1232 Peak 3	386.88 277.22	367.54 277.83	339.27 265.10	302.46	Lin1	4241.20498	269.154230							0.9980		0.9900
PCB-1232 Peak 4	169.60 131.51	173.50 132.31	162.64 124.82	144.01	Lin1	1823.64111	127.934397							0.9970		0.9900
PCB-1232 Peak 5	125.20 99.536	126.38 98.860	123.35 97.137	115.65	Lin1	1249.69816	98.3174254							0.9960		0.9900
PCB-1262 Peak 1	463.28 293.95	422.08 292.52	386.77 285.18	331.57	Lin1	6110.42320	285.241883							0.9970		0.9900
PCB-1262 Peak 2	507.76 306.76	455.82 300.66	403.61 292.06	342.57	Lin1	7180.43685	292.395492							0.9970		0.9900
PCB-1262 Peak 3	606.56 383.28	533.48 375.07	505.32 364.02	430.91	Lin1	8078.56688	366.546180							0.9970		0.9900
PCB-1262 Peak 4	537.88 363.65	473.80 356.40	465.43 350.27	401.23	Lin1	6253.71498	351.254951							0.9980		0.9900
PCB-1262 Peak 5	942.88 654.04	852.90 648.25	817.27 637.28	716.86	Lin1	10292.2135	637.608039							0.9980		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/25/2013 23:03 Calibration End Date: 10/26/2013 01:22 Calibration ID: 16060

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL13262 280-197868/28	10251328.D
Level 2	STDL23262 280-197868/27	10251327.D
Level 3	STDL33262 280-197868/26	10251326.D
Level 4	STDL43262 280-197868/25	10251325.D
Level 5	STDL53262 280-197868/24	10251324.D
Level 6	STDL63262 280-197868/23	10251323.D
Level 7	STDL73262 280-197868/22	10251322.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1232 Peak 1	Lin1	2813 50419	4819 64670	9177	19822	34893	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 2	Lin1	7678 129160	13379 163555	23997	51016	89504	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 3	Lin1	9672 208375	18377 265098	33927	75616	138611	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 4	Lin1	4240 99230	8675 124822	16264	36003	65756	25.0 750	50.0 1000	100	250	500
PCB-1232 Peak 5	Lin1	3130 74145	6319 97137	12335	28913	49768	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 1	Lin1	11582 219387	21104 285177	38677	82892	146976	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 2	Lin1	12694 225498	22791 292056	40361	85642	153379	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 3	Lin1	15164 281302	26674 364019	50532	107728	191642	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 4	Lin1	13447 267303	23690 350269	46543	100307	181824	25.0 750	50.0 1000	100	250	500
PCB-1262 Peak 5	Lin1	23572 486191	42645 637277	81727	179214	327021	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251322.D		
Lims ID:	STDL73262	Client ID:	
Inject. Date:	25-Oct-2013 23:03:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	7
Sample ID:	STDL73262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	197868	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:14	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:47:11

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	76176	976.8		100.0	
1	2	4.527	4.527	0.000	203646	952.1	237.7- 317.7	267.3	
1	3	5.757	5.760	-0.003	345244	985.2	402.9- 482.9	453.2	
1	4	5.967	5.970	-0.003	152870	984.4	157.3- 237.3	200.7	
1	5	6.630	6.630	0.000	158751	971.3	173.0- 253.0	208.4	
			Average of Peak Amounts =			974.0			
2	6	4.227	4.227	0.000	64670	960.8		100.0	
2	7	4.497	4.497	0.000	163555	954.1	216.5- 296.5	252.9	
2	8	5.747	5.747	0.000	265098	969.2	357.2- 437.2	409.9	
2	9	5.953	5.953	0.000	124822	961.4	148.5- 228.5	193.0	
2	10	6.893	6.893	0.000	97137	975.3	102.6- 182.6	150.2	
			Average of Peak Amounts =			964.1			
						RPD = 1.01			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.690	8.693	-0.003	370312	981.5		100.0	
1	2	9.863	9.867	-0.004	529393	982.9	106.2- 186.2	143.0	
1	3	10.297	10.300	-0.003	469358	974.9	92.0- 172.0	126.7	
1	4	10.847	10.850	-0.003	1035570	985.3	243.0- 323.0	279.6	
1	5	11.420	11.420	0.000	398004	972.2	69.9- 149.9	107.5	
			Average of Peak Amounts =			979.4			
2	6	8.817	8.820	-0.003	285177	978.4		100.0	
2	7	9.183	9.187	-0.004	292056	974.3	64.4- 144.4	102.4	
2	8	9.960	9.963	-0.003	364019	971.1	90.4- 170.4	127.6	
2	9	10.477	10.477	0.000	350269	979.4	83.7- 163.7	122.8	
2	10	10.927	10.927	0.000	637277	983.3	182.5- 262.5	223.5	
			Average of Peak Amounts =			977.3			
						RPD = 0.21			
S 15 Polychlorinated biphenyls, Total									
1						1953.3			
2						1941.4			
						RPD = 0.61			

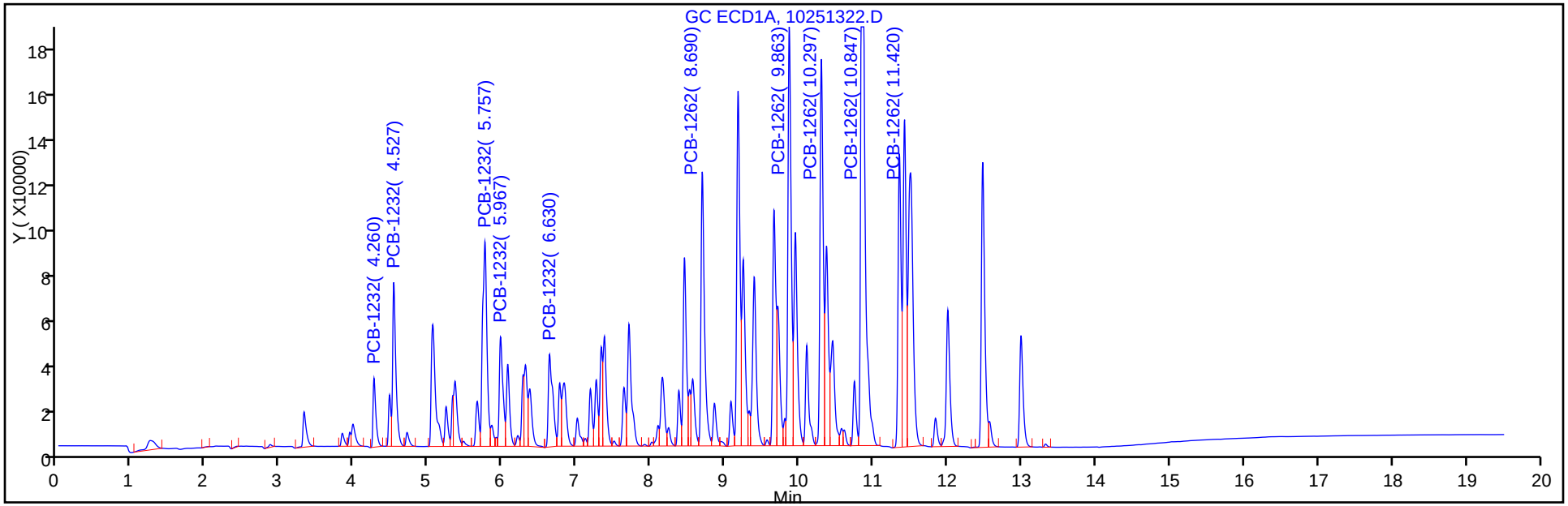
Report Date: 29-Oct-2013 12:13:14 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

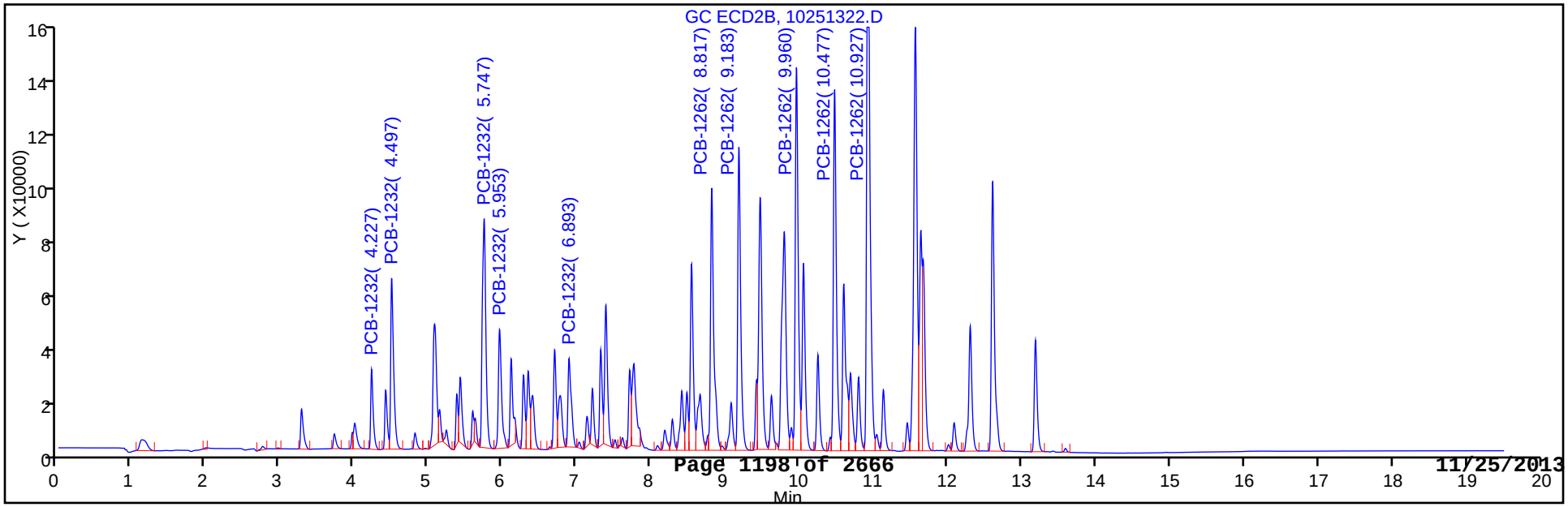
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Injection Date:	25-Oct-2013 23:03:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251323.D
Lims ID: STDL63262 Client ID:
Inject. Date: 25-Oct-2013 23:26:45 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL63262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 23
Lims Batch ID: 197868 Lims Sample ID: 23
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:13 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	58853	749.3		100.0	
1	2	4.527	4.527	0.000	161212	749.3	237.7- 317.7	273.9	
1	3	5.757	5.760	-0.003	265197	754.5	402.9- 482.9	450.6	
1	4	5.967	5.970	-0.003	118480	760.9	157.3- 237.3	201.3	
1	5	6.627	6.630	-0.003	124934	757.3	173.0- 253.0	212.3	
			Average of Peak Amounts =			754.2			
2	6	4.227	4.227	0.000	50419	743.8		100.0	
2	7	4.497	4.497	0.000	129160	747.5	216.5- 296.5	256.2	
2	8	5.747	5.747	0.000	208375	758.4	357.2- 437.2	413.3	
2	9	5.953	5.953	0.000	99230	761.4	148.5- 228.5	196.8	
2	10	6.893	6.893	0.000	74145	741.4	102.6- 182.6	147.1	
			Average of Peak Amounts =			750.5			
						RPD = 0.50			
8 PCB-1262									
1	1	8.690	8.693	-0.003	287844	759.1		100.0	
1	2	9.863	9.867	-0.004	408449	753.9	106.2- 186.2	141.9	
1	3	10.297	10.300	-0.003	364453	752.5	92.0- 172.0	126.6	
1	4	10.847	10.850	-0.003	787750	746.8	243.0- 323.0	273.7	
1	5	11.417	11.420	-0.003	314038	763.1	69.9- 149.9	109.1	
			Average of Peak Amounts =			755.1			
2	6	8.817	8.820	-0.003	219387	747.7		100.0	
2	7	9.183	9.187	-0.004	225498	746.7	64.4- 144.4	102.8	
2	8	9.960	9.963	-0.003	281302	745.4	90.4- 170.4	128.2	
2	9	10.473	10.477	-0.004	267303	743.2	83.7- 163.7	121.8	
2	10	10.923	10.927	-0.004	486191	746.4	182.5- 262.5	221.6	
			Average of Peak Amounts =			745.9			
						RPD = 1.23			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1509.3			
2						1496.4			
						RPD = 0.86			

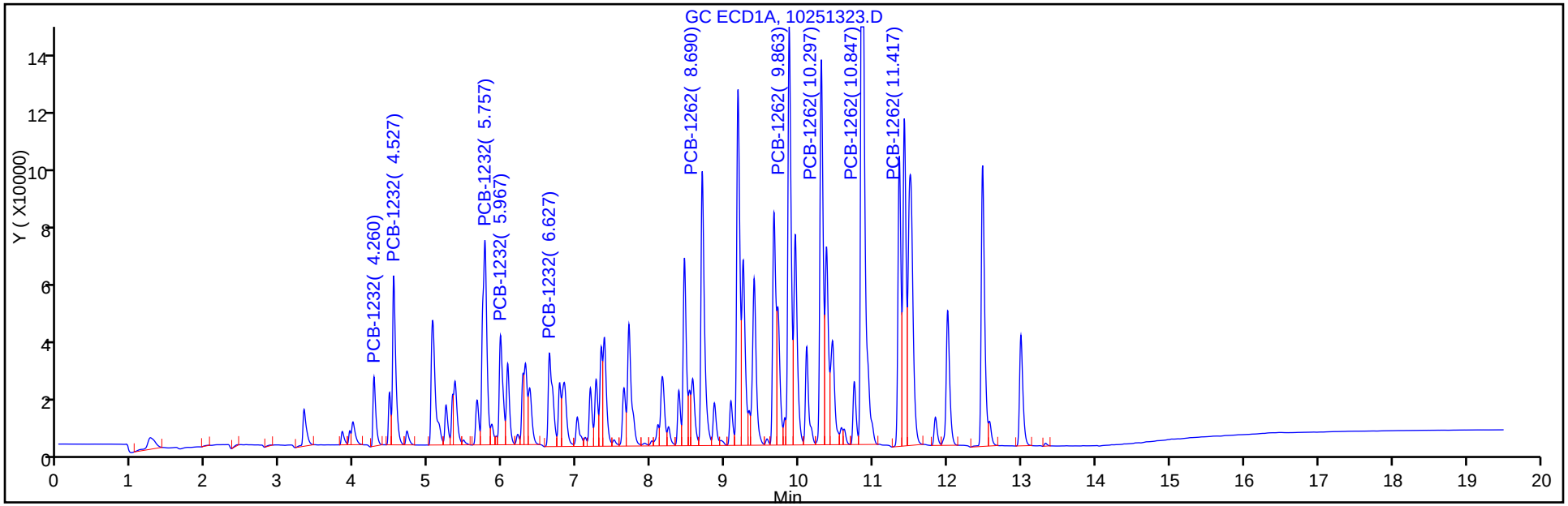
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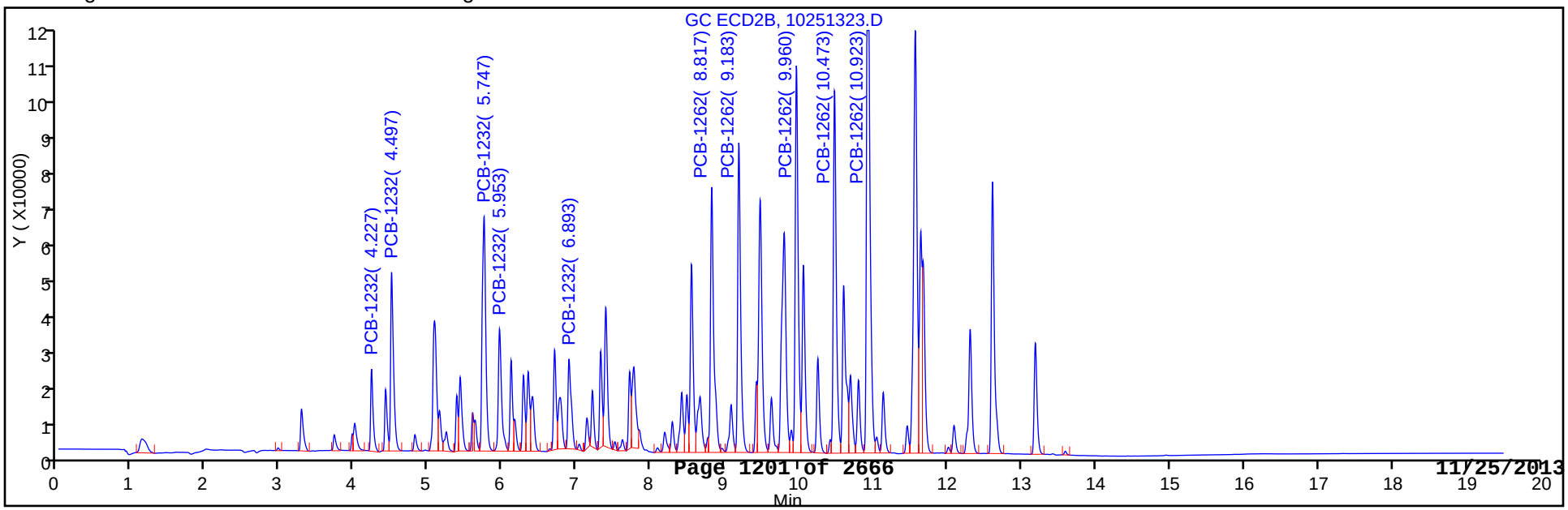
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Injection Date:	25-Oct-2013 23:26:45	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	23
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251324.D		
Lims ID:	STDL53262	Client ID:	
Inject. Date:	25-Oct-2013 23:50:08	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL53262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	24
Lims Batch ID:	197868	Lims Sample ID:	24
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:12	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:18:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	40007	501.8		100.0	
1	2	4.527	4.527	0.000	111096	509.7	237.7- 317.7	277.7	
1	3	5.760	5.760	0.000	177191	500.8	402.9- 482.9	442.9	
1	4	5.970	5.970	0.000	78945	503.9	157.3- 237.3	197.3	
1	5	6.630	6.630	0.000	85232	506.1	173.0- 253.0	213.0	
			Average of Peak Amounts =			504.4			
2	6	4.227	4.227	0.000	34893	507.5		100.0	
2	7	4.497	4.497	0.000	89504	509.3	216.5- 296.5	256.5	
2	8	5.747	5.747	0.000	138611	499.2	357.2- 437.2	397.2	
2	9	5.953	5.953	0.000	65756	499.7	148.5- 228.5	188.5	
2	10	6.893	6.893	0.000	49768	493.5	102.6- 182.6	142.6	
			Average of Peak Amounts =			501.9			
						RPD = 0.52			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.693	8.693	0.000	186232	485.2		100.0	
1	2	9.867	9.867	0.000	272350	496.2	106.2- 186.2	146.2	
1	3	10.300	10.300	0.000	245884	501.2	92.0- 172.0	132.0	
1	4	10.850	10.850	0.000	527023	495.9	243.0- 323.0	283.0	
1	5	11.420	11.420	0.000	204598	490.6	69.9- 149.9	109.9	
			Average of Peak Amounts =			493.8			
2	6	8.820	8.820	0.000	146976	493.8		100.0	
2	7	9.187	9.187	0.000	153379	500.0	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	191642	500.8	90.4- 170.4	130.4	
2	9	10.477	10.477	0.000	181824	499.8	83.7- 163.7	123.7	
2	10	10.927	10.927	0.000	327021	496.7	182.5- 262.5	222.5	
			Average of Peak Amounts =			498.2			
						RPD = 0.89			
S 15 Polychlorinated biphenyls, Total									
1						998.3			
2						1000.1			
						RPD = 0.18			

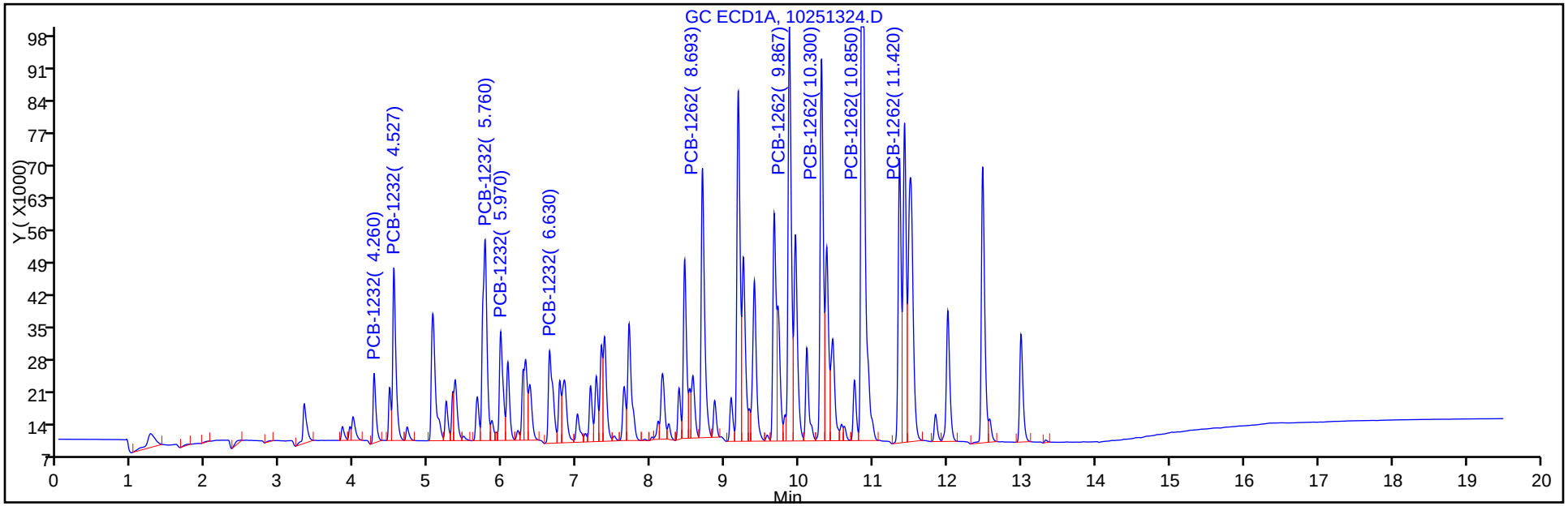
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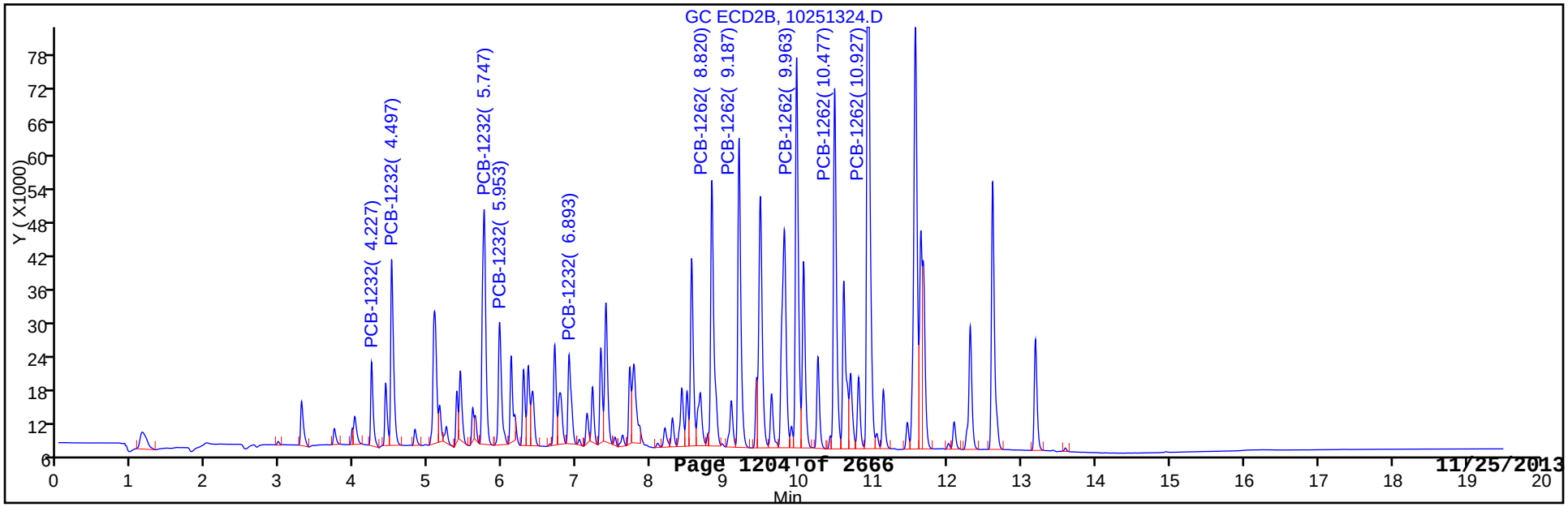
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Injection Date:	25-Oct-2013 23:50:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	24
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251325.D
Lims ID: STDL43262 Client ID:
Inject. Date: 26-Oct-2013 00:13:09 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL43262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 25
Lims Batch ID: 197868 Lims Sample ID: 25
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:11 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	22159	267.4		100.0	
1	2	4.527	4.527	0.000	62514	277.4	237.7- 317.7	282.1	
1	3	5.757	5.760	-0.003	90880	252.0	402.9- 482.9	410.1	
1	4	5.967	5.970	-0.003	38185	239.0	157.3- 237.3	172.3	
1	5	6.630	6.630	0.000	47930	270.1	173.0- 253.0	216.3	
			Average of Peak Amounts =			261.2			
2	6	4.230	4.227	0.003	19822	278.1		100.0	
2	7	4.500	4.497	0.003	51016	278.2	216.5- 296.5	257.4	
2	8	5.747	5.747	0.000	75616	265.2	357.2- 437.2	381.5	
2	9	5.957	5.953	0.004	36003	267.2	148.5- 228.5	181.6	
2	10	6.893	6.893	0.000	28913	281.4	102.6- 182.6	145.9	
			Average of Peak Amounts =			274.0			
						RPD = 4.79			
8 PCB-1262									
1	1	8.693	8.693	0.000	103968	263.5		100.0	
1	2	9.867	9.867	0.000	145667	256.4	106.2- 186.2	140.1	
1	3	10.300	10.300	0.000	133959	263.9	92.0- 172.0	128.8	
1	4	10.850	10.850	0.000	285487	263.5	243.0- 323.0	274.6	
1	5	11.420	11.420	0.000	114768	266.9	69.9- 149.9	110.4	
			Average of Peak Amounts =			262.8			
2	6	8.820	8.820	0.000	82892	269.2		100.0	
2	7	9.187	9.187	0.000	85642	268.3	64.4- 144.4	103.3	
2	8	9.967	9.963	0.004	107728	271.9	90.4- 170.4	130.0	
2	9	10.480	10.477	0.003	100307	267.8	83.7- 163.7	121.0	
2	10	10.927	10.927	0.000	179214	264.9	182.5- 262.5	216.2	
			Average of Peak Amounts =			268.4			
						RPD = 2.11			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.0			
2						542.4			
						RPD = 3.45			

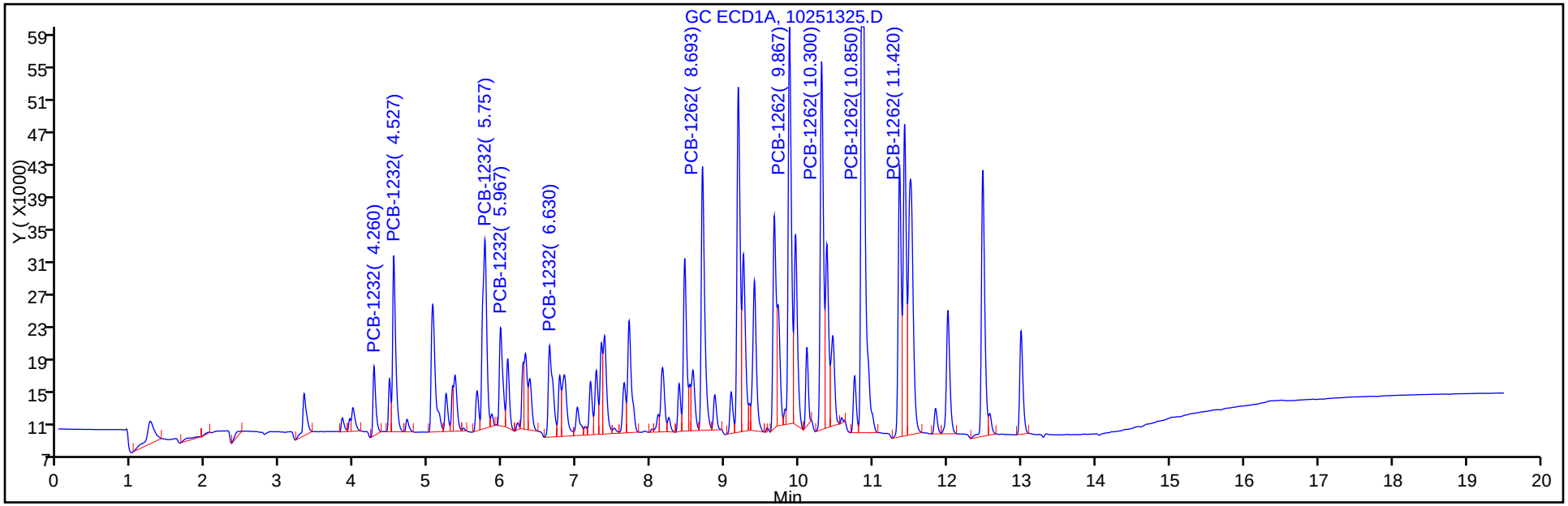
Report Date: 29-Oct-2013 12:13:12 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

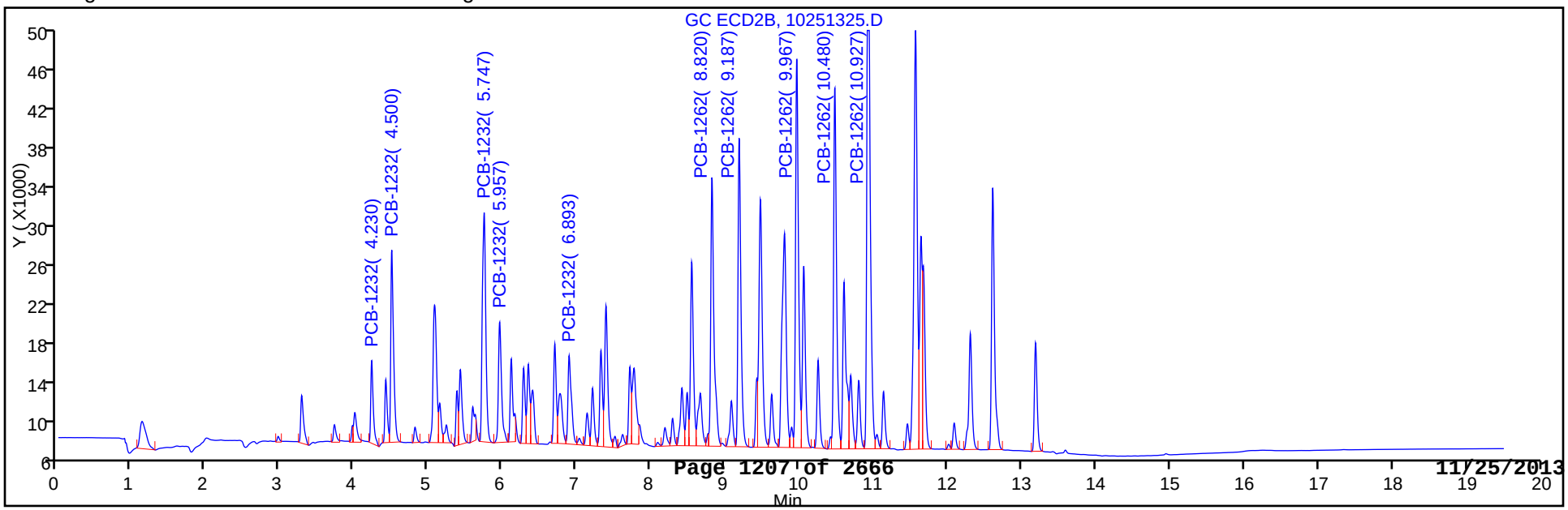
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251325.D

Injection Date:	26-Oct-2013 00:13:09	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	25
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251326.D
Lims ID: STDL33262 Client ID:
Inject. Date: 26-Oct-2013 00:36:22 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 3
Sample ID: STDL33262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 26
Lims Batch ID: 197868 Lims Sample ID: 26
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:11 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	9937	106.9		100.0	
1	2	4.527	4.527	0.000	29004	117.2	237.7- 317.7	291.9	
1	3	5.757	5.760	-0.003	41407	109.3	402.9- 482.9	416.7	
1	4	5.970	5.970	0.000	18980	114.2	157.3- 237.3	191.0	
1	5	6.630	6.630	0.000	21030	99.9	173.0- 253.0	211.6	
			Average of Peak Amounts =			109.5			
2	6	4.230	4.227	0.003	9177	116.0		100.0	
2	7	4.500	4.497	0.003	23997	115.9	216.5- 296.5	261.5	
2	8	5.747	5.747	0.000	33927	110.3	357.2- 437.2	369.7	
2	9	5.957	5.953	0.004	16264	112.9	148.5- 228.5	177.2	
2	10	6.893	6.893	0.000	12335	112.8	102.6- 182.6	134.4	
			Average of Peak Amounts =			113.6			
						RPD = 3.66			
8 PCB-1262									
1	1	8.697	8.693	0.004	48548	114.1		100.0	
1	2	9.870	9.867	0.003	69568	112.3	106.2- 186.2	143.3	
1	3	10.303	10.300	0.003	61602	110.5	92.0- 172.0	126.9	
1	4	10.853	10.850	0.003	128683	112.6	243.0- 323.0	265.1	
1	5	11.423	11.420	0.003	52318	111.3	69.9- 149.9	107.8	
			Average of Peak Amounts =			112.2			
2	6	8.823	8.820	0.003	38677	114.2		100.0	
2	7	9.190	9.187	0.003	40361	113.5	64.4- 144.4	104.4	
2	8	9.967	9.963	0.004	50532	115.8	90.4- 170.4	130.7	
2	9	10.480	10.477	0.003	46543	114.7	83.7- 163.7	120.3	
2	10	10.930	10.927	0.003	81727	112.0	182.5- 262.5	211.3	
			Average of Peak Amounts =			114.0			
						RPD = 1.66			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						221.7			
2						227.6			
						RPD = 2.65			

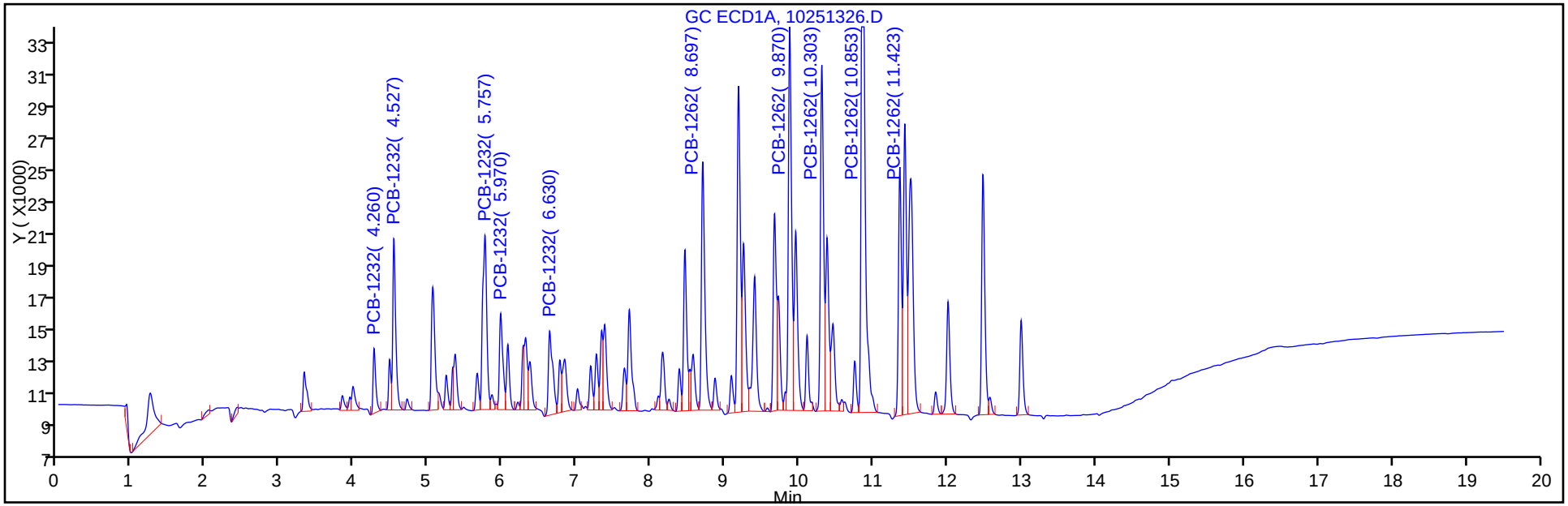
Report Date: 29-Oct-2013 12:13:11 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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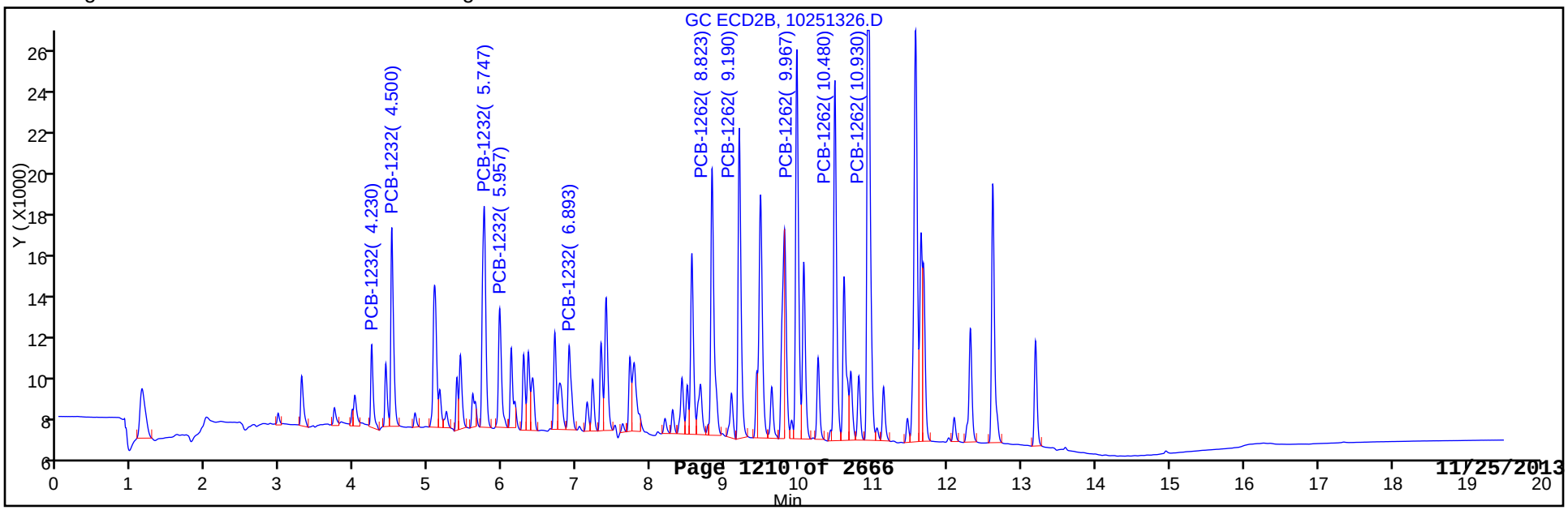
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251326.D

Injection Date:	26-Oct-2013 00:36:22	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	26
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251327.D
Lims ID: STDL23262 Client ID:
Inject. Date: 26-Oct-2013 00:59:24 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL23262
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 27
Lims Batch ID: 197868 Lims Sample ID: 27
Sublist: chrom-8082_608_W*sub4
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:10 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.260	4.260	0.000	5740	51.7		100.0	
1	2	4.527	4.527	0.000	15247	51.4	237.7- 317.7	265.6	
1	3	5.757	5.760	-0.003	21227	51.2	402.9- 482.9	369.8	
1	4	5.967	5.970	-0.003	9175	50.5	157.3- 237.3	159.8	
1	5	6.630	6.630	0.000	12238	44.3	173.0- 253.0	213.2	
			Average of Peak Amounts =			49.8			
2	6	4.227	4.227	0.000	4819	49.7		100.0	
2	7	4.500	4.497	0.003	13379	52.1	216.5- 296.5	277.6	
2	8	5.747	5.747	0.000	18377	52.5	357.2- 437.2	381.3	
2	9	5.953	5.953	0.000	8675	53.6	148.5- 228.5	180.0	
2	10	6.893	6.893	0.000	6319	51.6	102.6- 182.6	131.1	
			Average of Peak Amounts =			51.9			
						RPD = 4.10			
8 PCB-1262									
1	1	8.697	8.693	0.004	25254	51.3		100.0	
1	2	9.870	9.867	0.003	38201	52.9	106.2- 186.2	151.3	
1	3	10.303	10.300	0.003	33589	51.1	92.0- 172.0	133.0	
1	4	10.853	10.850	0.003	62744	49.2	243.0- 323.0	248.5	
1	5	11.423	11.420	0.003	27398	49.3	69.9- 149.9	108.5	
			Average of Peak Amounts =			50.7			
2	6	8.823	8.820	0.003	21104	52.6		100.0	
2	7	9.190	9.187	0.003	22791	53.4	64.4- 144.4	108.0	
2	8	9.967	9.963	0.004	26674	50.7	90.4- 170.4	126.4	
2	9	10.480	10.477	0.003	23690	49.6	83.7- 163.7	112.3	
2	10	10.930	10.927	0.003	42645	50.7	182.5- 262.5	202.1	
			Average of Peak Amounts =			51.4			
						RPD = 1.30			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						100.6			
2						103.3			
						RPD = 2.70			

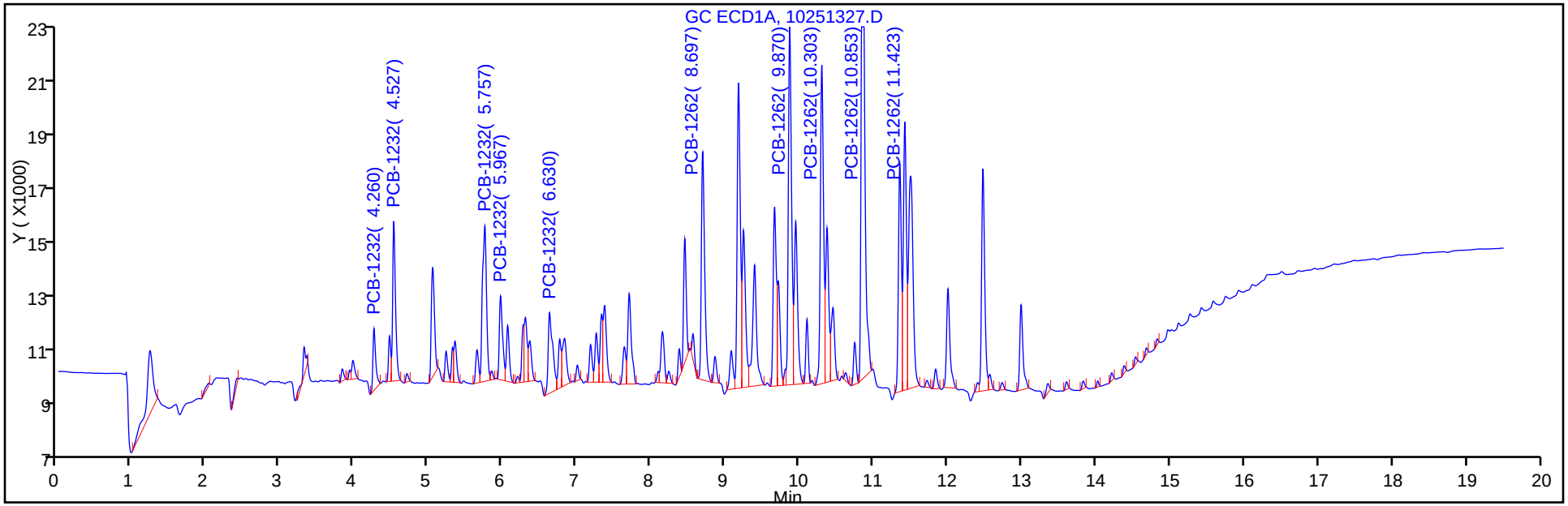
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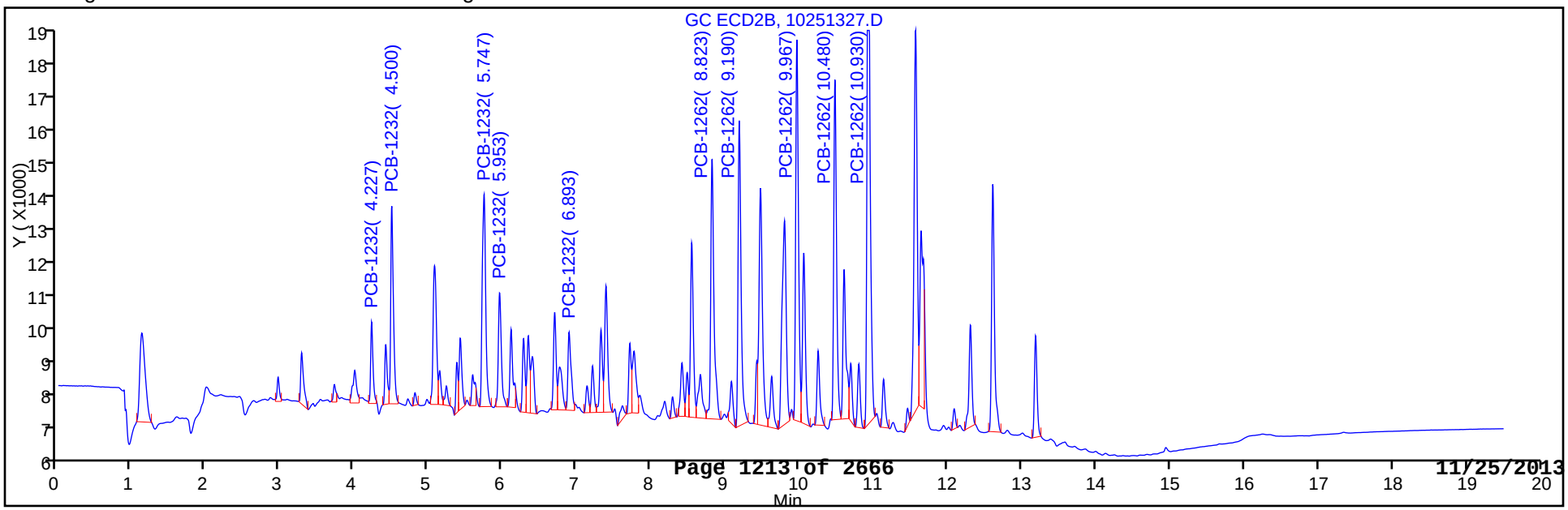
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251327.D

Injection Date:	26-Oct-2013 00:59:24	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	27
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D		
Lims ID:	STDL13262	Client ID:	
Inject. Date:	26-Oct-2013 01:22:36	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL13262		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	28
Lims Batch ID:	197868	Lims Sample ID:	28
Sublist:	chrom-8082_608_W*sub4		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:08	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 29-Oct-2013 10:53:50

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									
1	1	4.263	4.260	0.003	3414	21.2		100.0	
1	2	4.527	4.527	0.000	8265	18.0	237.7- 317.7	242.1	
1	3	5.757	5.760	-0.003	11127	22.1	402.9- 482.9	325.9	
1	4	5.970	5.970	0.000	4817	22.1	157.3- 237.3	141.1	
1	5	6.630	6.630	0.000	9360	26.1	173.0- 253.0	274.2	
			Average of Peak Amounts =			21.9			
2	6	4.227	4.227	0.000	2813	19.2		100.0	
2	7	4.500	4.497	0.003	7678	17.9	216.5- 296.5	272.9	
2	8	5.747	5.747	0.000	9672	20.2	357.2- 437.2	343.8	
2	9	5.957	5.953	0.004	4240	18.9	148.5- 228.5	150.7	
2	10	6.893	6.893	0.000	3130	19.1	102.6- 182.6	111.3	
			Average of Peak Amounts =			19.0			
						RPD = 13.90			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									M
1	1	8.697	8.693	0.004	13806	20.4		100.0	M
1	2	9.870	9.867	0.003	20976	20.3	106.2- 186.2	151.9	
1	3	10.303	10.300	0.003	19376	20.9	92.0- 172.0	140.3	
1	4	10.857	10.850	0.007	34033	21.6	243.0- 323.0	246.5	
1	5	11.423	11.420	0.003	16269	21.6	69.9- 149.9	117.8	
			Average of Peak Amounts =			21.0			
2	6	8.823	8.820	0.003	11582	19.2		100.0	
2	7	9.190	9.187	0.003	12694	18.9	64.4- 144.4	109.6	
2	8	9.967	9.963	0.004	15164	19.3	90.4- 170.4	130.9	
2	9	10.480	10.477	0.003	13447	20.5	83.7- 163.7	116.1	
2	10	10.930	10.927	0.003	23572	20.8	182.5- 262.5	203.5	
			Average of Peak Amounts =			19.7			
						RPD = 6.01			
S 15 Polychlorinated biphenyls, Total									
1						42.9			
2						38.8			
						RPD = 9.96			

QC Flag Legend

Review Flags
M - Manually Integrated

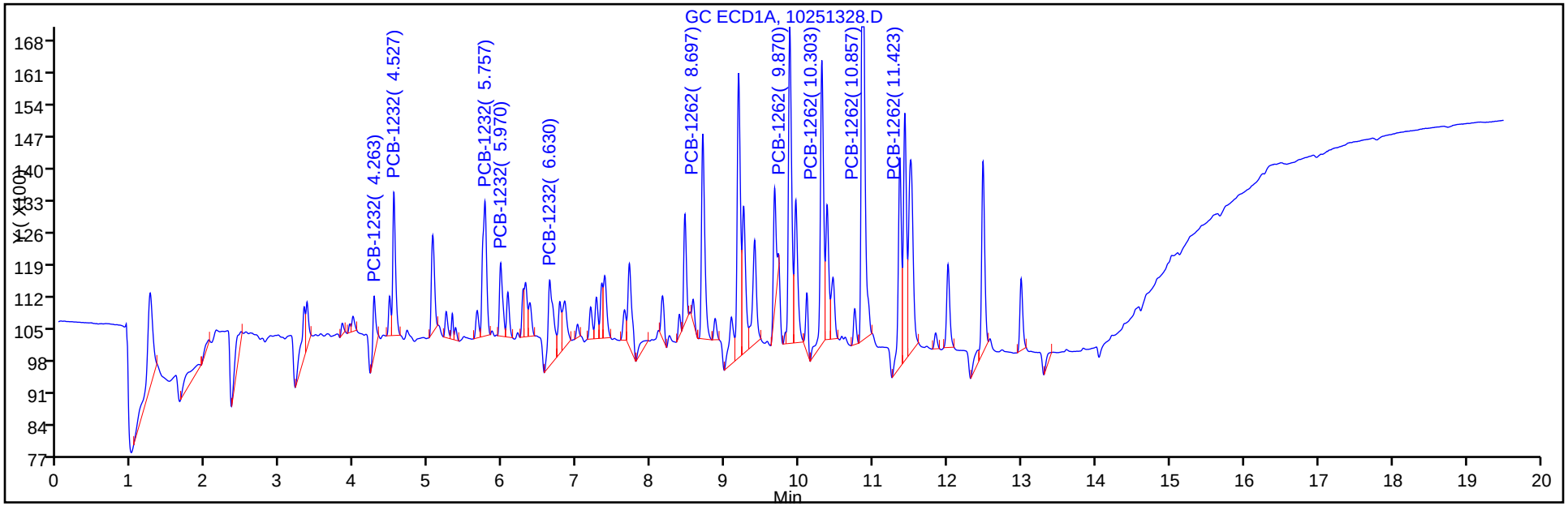
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TestAmerica Denver

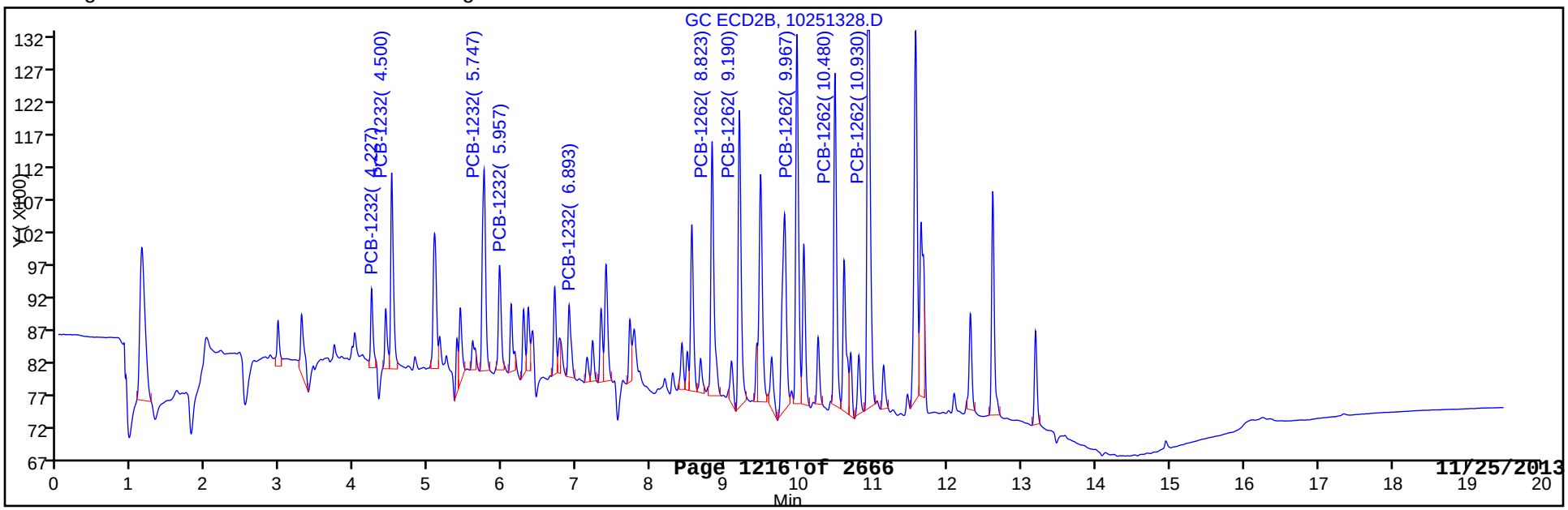
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251328.D

Injection Date:	26-Oct-2013 01:22:36	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	28
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1242 Peak 1	4.530	4.530	4.530	4.527	4.527	4.527	4.527				4.487 - 4.567	4.528
PCB-1242 Peak 2	5.057	5.057	5.053	5.050	5.050	5.050	5.050				5.010 - 5.090	5.052
PCB-1242 Peak 3	5.760	5.760	5.760	5.757	5.757	5.757	5.753				5.717 - 5.797	5.758
PCB-1242 Peak 4	5.973	5.973	5.970	5.967	5.967	5.967	5.967				5.927 - 6.007	5.969
PCB-1242 Peak 5	6.633	6.633	6.630	6.627	6.627	6.627	6.627				6.587 - 6.667	6.629
PCB-1268 Peak 1	11.427	11.423	11.423	11.420	11.417	11.413	11.413				11.377 - 11.457	11.419
PCB-1268 Peak 2	11.493	11.493	11.490	11.487	11.487	11.483	11.480				11.447 - 11.527	11.488
PCB-1268 Peak 3	11.840	11.840	11.837	11.833	11.833	11.830	11.830				11.793 - 11.873	11.835
PCB-1268 Peak 4	11.990	11.990	11.987	11.987	11.983	11.983	11.983				11.943 - 12.023	11.986
PCB-1268 Peak 5	12.993	12.990	12.990	12.987	12.983	12.983	12.983				12.943 - 13.023	12.987

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1242 Peak 1	223.16 171.97	212.06 154.48	197.06 145.67	176.06	Lin1	2699.10470	152.719352							0.9940		0.9900
PCB-1242 Peak 2	492.32 346.70	459.68 310.06	413.90 290.58	359.75	Lin1	6905.20005	304.584523							0.9930		0.9900
PCB-1242 Peak 3	744.48 625.18	706.84 571.74	659.06 543.73	620.50	Lin1	6481.63914	566.258514							0.9960		0.9900
PCB-1242 Peak 4	324.24 279.03	300.20 254.11	274.42 241.01	279.68	Lin1	2381.55162	252.304351							0.9960		0.9900
PCB-1242 Peak 5	456.20 312.87	444.86 286.68	376.26 271.20	314.65	Lin1	6476.16922	279.345725							0.9950		0.9900
PCB-1268 Peak 1	1492.7 1032.1	1375.0 940.31	1261.8 908.31	1036.8	Lin1	19798.7450	928.013378							0.9960		0.9900
PCB-1268 Peak 2	1551.2 1242.3	1541.4 1149.2	1399.5 1097.5	1256.9	Lin1	16554.2463	1134.44272							0.9960		0.9900
PCB-1268 Peak 3	1251.7 959.79	1181.9 884.85	1083.0 850.36	960.59	Lin1	13432.6937	874.280428							0.9970		0.9900
PCB-1268 Peak 4	358.40 309.62	355.68 288.46	336.17 279.39	302.59	Lin1	2866.46307	286.539723							0.9980		0.9900
PCB-1268 Peak 5	3366.0 2492.1	3177.1 2294.4	2888.6 2217.0	2508.9	Lin1	39084.2605	2268.91408							0.9970		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP1 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16063

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Lin1	5579 115861	10603 145666	19706	44016	85987	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 2	Lin1	12308 232548	22984 290581	41390	89938	173351	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 3	Lin1	18612 428805	35342 543730	65906	155126	312592	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 4	Lin1	8106 190585	15010 241010	27442	69919	139513	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 5	Lin1	11405 215013	22243 271200	37626	78662	156434	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 1	Lin1	37318 705235	68751 908306	126176	259197	516044	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 2	Lin1	38779 861871	77071 1097479	139945	314220	621149	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 3	Lin1	31292 663641	59095 850358	108302	240148	479893	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 4	Lin1	8960 216347	17784 279393	33617	75648	154810	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 5	Lin1	84149 1720824	158853 2216973	288855	627231	1246050	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D
Lims ID: STDL74268 Client ID:
Inject. Date: 26-Oct-2013 01:45:33 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL74268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 197868 Lims Sample ID: 29
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	145666	936.1		100.0	
1	2	5.050	5.050	0.000	290581	931.4	161.6- 241.6	199.5	
1	3	5.753	5.757	-0.004	543730	948.8	323.5- 403.5	373.3	
1	4	5.967	5.967	0.000	241010	945.8	122.2- 202.2	165.5	
1	5	6.627	6.627	0.000	271200	947.7	141.9- 221.9	186.2	
			Average of Peak Amounts =			941.9			
2	6	4.497	4.500	-0.003	115911	931.2		100.0	
2	7	5.743	5.747	-0.004	414599	939.8	312.9- 392.9	357.7	
2	8	5.953	5.953	0.000	195187	931.2	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	144602	945.0	81.4- 161.4	124.8	
2	10	6.890	6.893	-0.003	180859	950.5	109.6- 189.6	156.0	
			Average of Peak Amounts =			939.6			
						RPD = 0.25			
12 PCB-1268									
1	1	11.413	11.417	-0.004	908306	957.4		100.0	
1	2	11.480	11.487	-0.007	1097479	952.8	80.4- 160.4	120.8	
1	3	11.830	11.833	-0.003	850358	957.3	53.0- 133.0	93.6	
1	4	11.983	11.983	0.000	279393	965.1	0.0- 70.0	30.8	
1	5	12.983	12.983	0.000	2216973	959.9	201.5- 281.5	244.1	
			Average of Peak Amounts =			958.5			
2	6	11.557	11.557	0.000	658592	947.0		100.0	
2	7	11.637	11.637	0.000	709711	957.7	66.5- 146.5	107.8	
2	8	12.083	12.083	0.000	575405	954.0	46.6- 126.6	87.4	
2	9	12.260	12.260	0.000	191602	958.1	0.0- 68.5	29.1	
2	10	13.180	13.180	0.000	1480478	959.0	181.0- 261.0	224.8	
			Average of Peak Amounts =			955.2			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1900.4			
2						1894.7			
						RPD = 0.30			

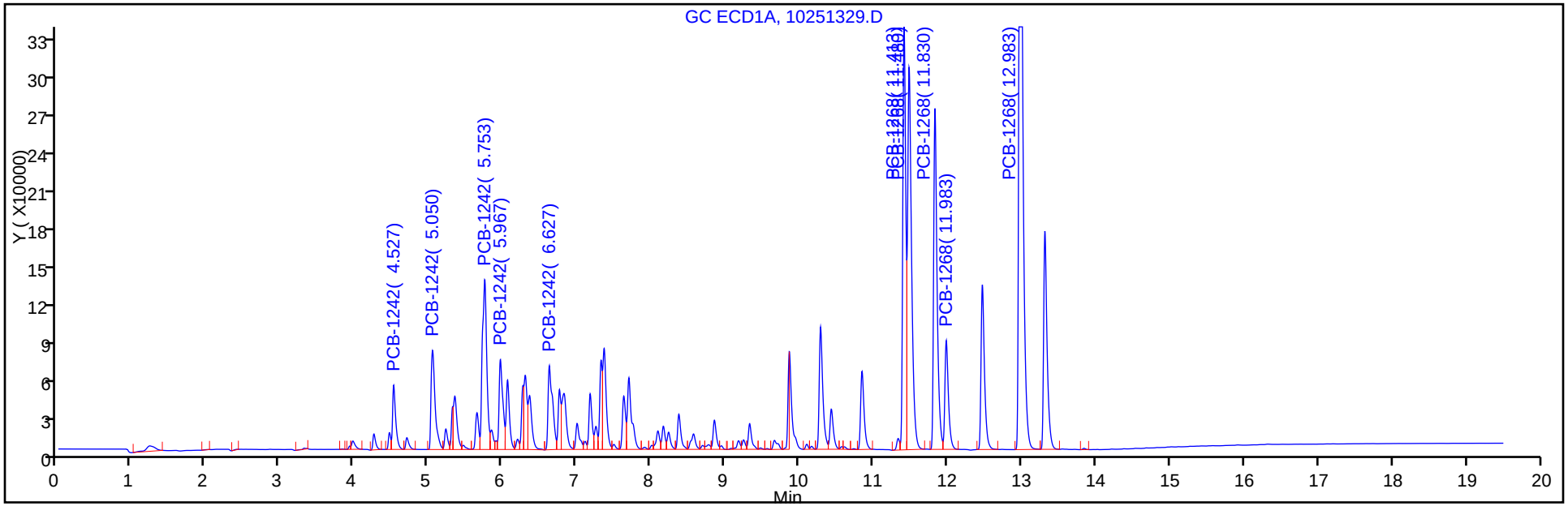
Report Date: 29-Oct-2013 12:13:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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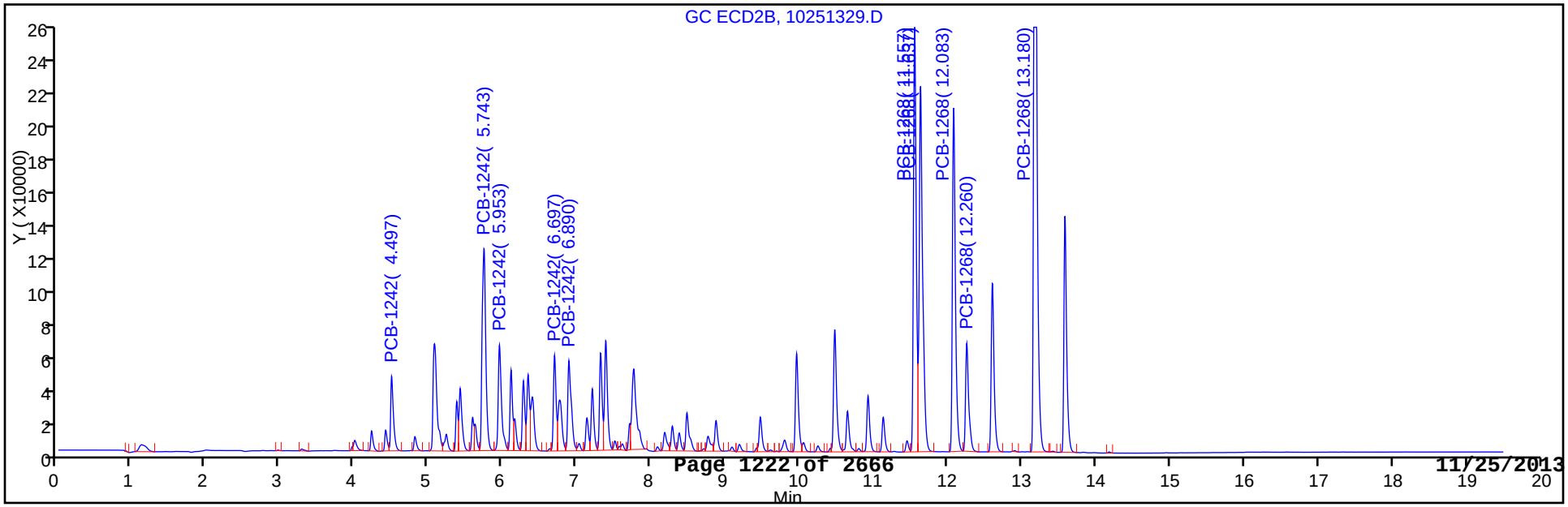
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D

Injection Date:	26-Oct-2013 01:45:33	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	29
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251330.D
Lims ID: STDL64268 Client ID:
Inject. Date: 26-Oct-2013 02:08:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL64268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 197868 Lims Sample ID: 30
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	115861	741.0		100.0	
1	2	5.050	5.050	0.000	232548	740.8	161.6- 241.6	200.7	
1	3	5.757	5.757	0.000	428805	745.8	323.5- 403.5	370.1	
1	4	5.967	5.967	0.000	190585	745.9	122.2- 202.2	164.5	
1	5	6.627	6.627	0.000	215013	746.5	141.9- 221.9	185.6	
			Average of Peak Amounts =			744.0			
2	6	4.497	4.500	-0.003	92496	738.1		100.0	
2	7	5.747	5.747	0.000	328283	740.4	312.9- 392.9	354.9	
2	8	5.953	5.953	0.000	155788	738.6	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	114671	744.7	81.4- 161.4	124.0	
2	10	6.890	6.893	-0.003	142340	745.3	109.6- 189.6	153.9	
			Average of Peak Amounts =			741.4			
						RPD = 0.35			
12 PCB-1268									
1	1	11.413	11.417	-0.004	705235	738.6		100.0	
1	2	11.483	11.487	-0.004	861871	745.1	80.4- 160.4	122.2	
1	3	11.830	11.833	-0.003	663641	743.7	53.0- 133.0	94.1	
1	4	11.983	11.983	0.000	216347	745.0	0.0- 70.0	30.7	
1	5	12.983	12.983	0.000	1720824	741.2	201.5- 281.5	244.0	
			Average of Peak Amounts =			742.7			
2	6	11.557	11.557	0.000	522986	747.5		100.0	
2	7	11.637	11.637	0.000	548300	736.0	66.5- 146.5	104.8	
2	8	12.083	12.083	0.000	449740	741.4	46.6- 126.6	86.0	
2	9	12.260	12.260	0.000	148894	740.9	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	1149344	739.9	181.0- 261.0	219.8	
			Average of Peak Amounts =			741.1			
						RPD = 0.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1486.8			
2						1482.6			
						RPD = 0.28			

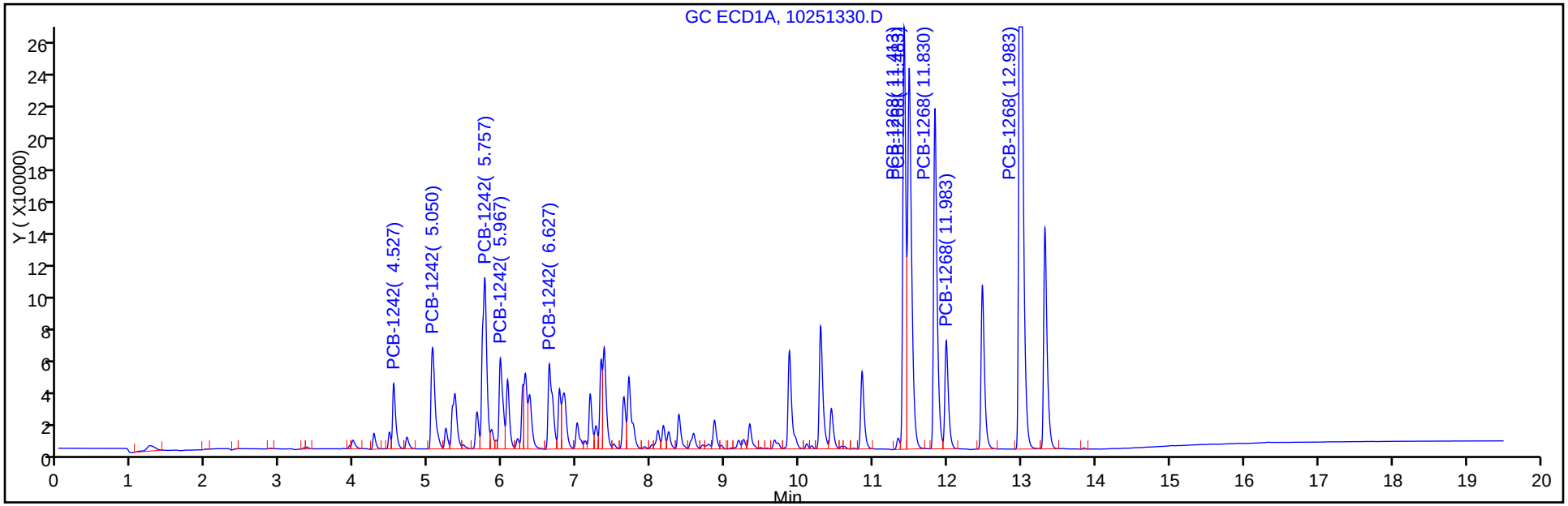
Report Date: 29-Oct-2013 12:13:07 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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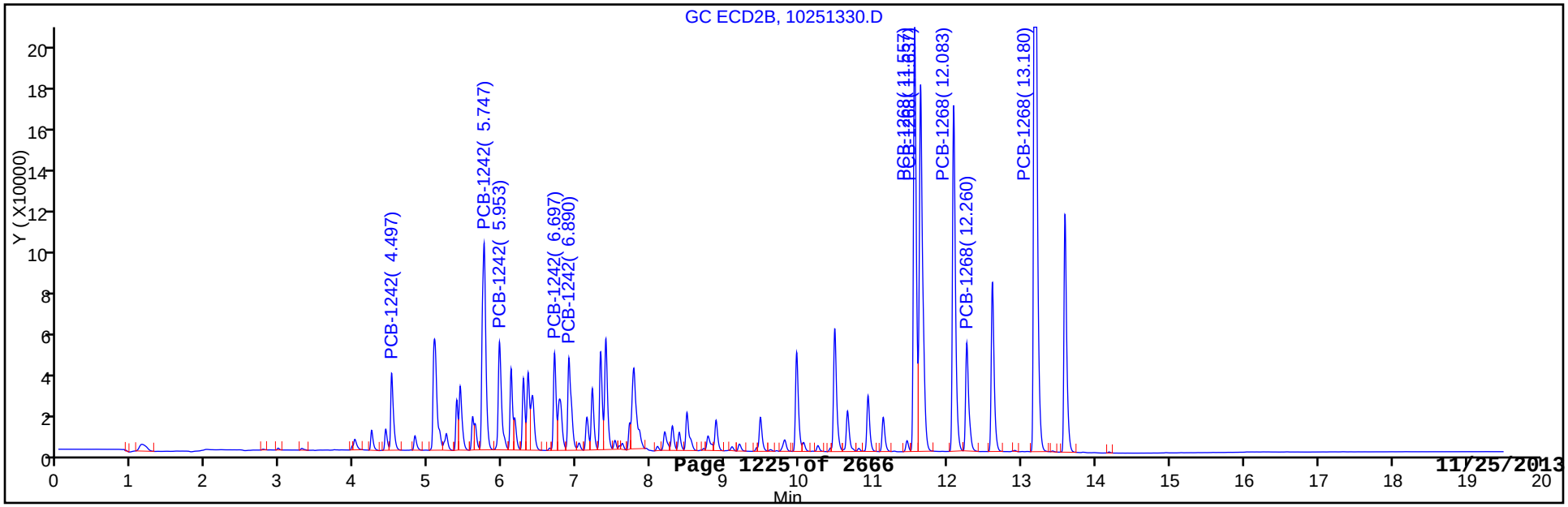
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251330.D

Injection Date:	26-Oct-2013 02:08:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	30
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251331.D		
Lims ID:	STDL54268	Client ID:	
Inject. Date:	26-Oct-2013 02:31:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL54268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	197868	Lims Sample ID:	31
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:05	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:20:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	85987	545.4		100.0	
1	2	5.050	5.050	0.000	173351	546.5	161.6- 241.6	201.6	
1	3	5.757	5.757	0.000	312592	540.6	323.5- 403.5	363.5	
1	4	5.967	5.967	0.000	139513	543.5	122.2- 202.2	162.2	
1	5	6.627	6.627	0.000	156434	536.8	141.9- 221.9	181.9	
			Average of Peak Amounts =			542.6			
2	6	4.500	4.500	0.000	68853	543.1		100.0	
2	7	5.747	5.747	0.000	242972	543.3	312.9- 392.9	352.9	
2	8	5.953	5.953	0.000	116878	548.4	129.8- 209.8	169.8	
2	9	6.697	6.697	0.000	83573	536.6	81.4- 161.4	121.4	
2	10	6.893	6.893	0.000	102985	535.7	109.6- 189.6	149.6	
			Average of Peak Amounts =			541.4			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.417	11.417	0.000	516044	534.7		100.0	
1	2	11.487	11.487	0.000	621149	532.9	80.4- 160.4	120.4	
1	3	11.833	11.833	0.000	479893	533.5	53.0- 133.0	93.0	
1	4	11.983	11.983	0.000	154810	530.3	0.0- 70.0	30.0	
1	5	12.983	12.983	0.000	1246050	532.0	201.5- 281.5	241.5	
			Average of Peak Amounts =			532.7			
2	6	11.557	11.557	0.000	377858	534.0		100.0	
2	7	11.637	11.637	0.000	402597	535.9	66.5- 146.5	106.5	
2	8	12.083	12.083	0.000	327368	534.3	46.6- 126.6	86.6	
2	9	12.260	12.260	0.000	107770	531.8	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	834907	531.8	181.0- 261.0	221.0	
			Average of Peak Amounts =			533.6			
						RPD = 0.16			
S 15 Polychlorinated biphenyls, Total									
1						1075.2			
2						1075.0			
						RPD = 0.02			

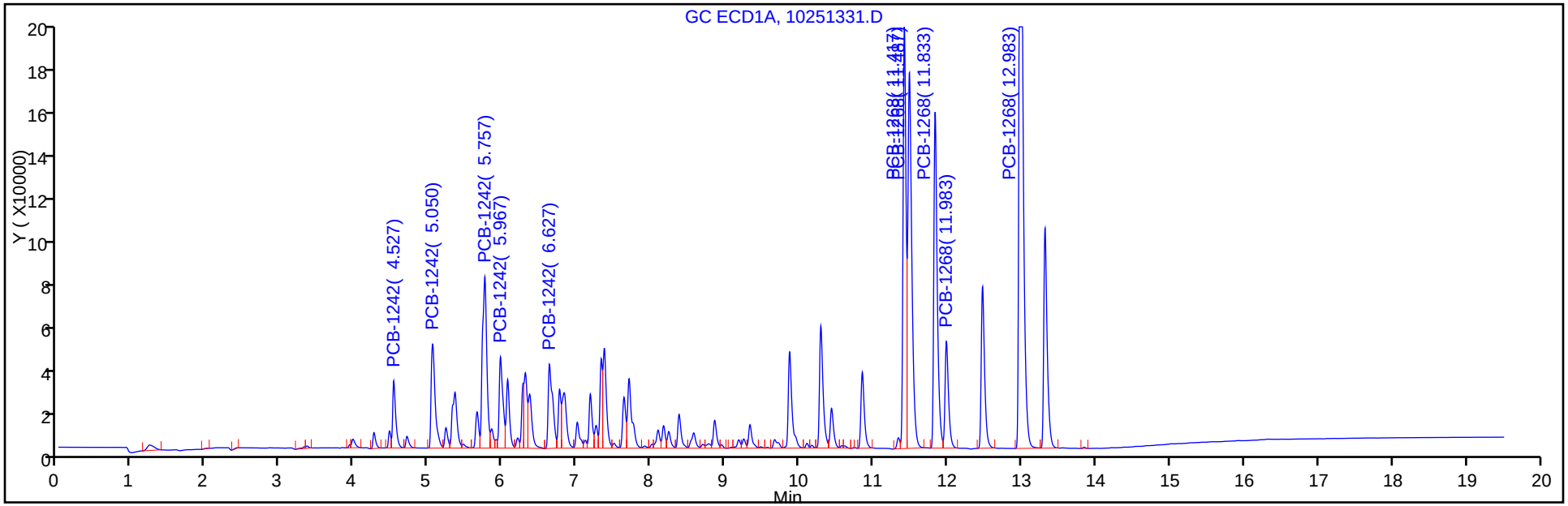
Report Date: 29-Oct-2013 12:13:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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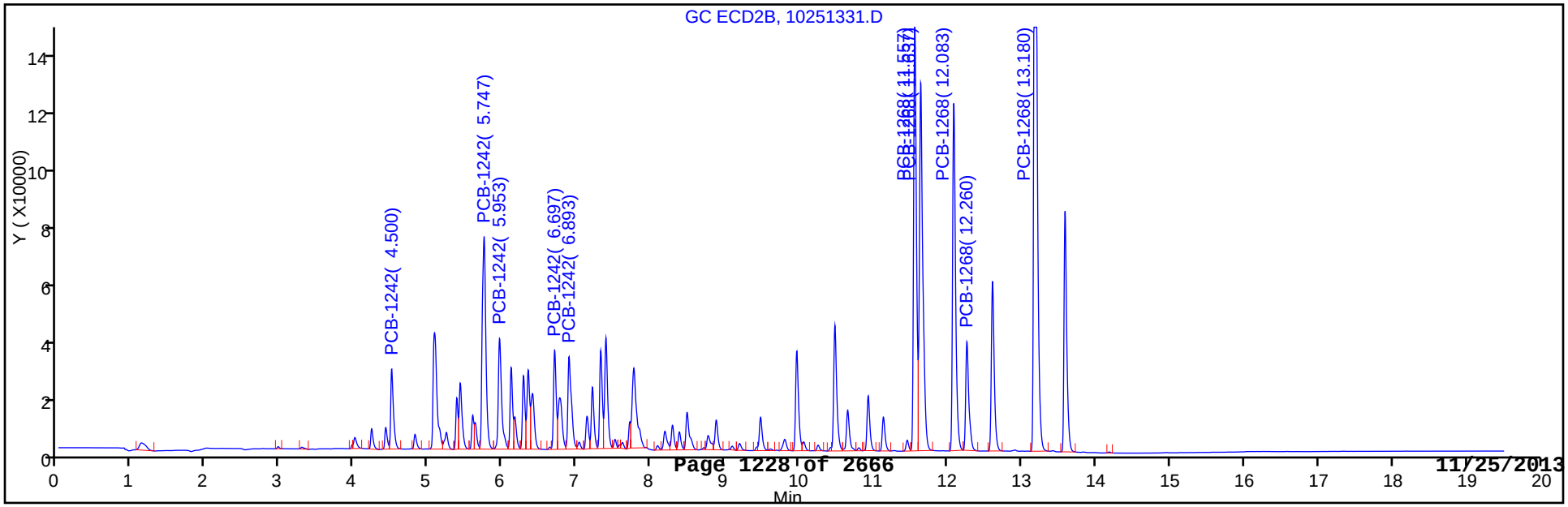
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251331.D

Injection Date:	26-Oct-2013 02:31:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	31
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251332.D
Lims ID: STDL44268 Client ID:
Inject. Date: 26-Oct-2013 02:54:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 4
Sample ID: STDL44268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 32
Lims Batch ID: 197868 Lims Sample ID: 32
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:04 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	44016	270.5		100.0	
1	2	5.050	5.050	0.000	89938	272.6	161.6- 241.6	204.3	
1	3	5.757	5.757	0.000	155126	262.5	323.5- 403.5	352.4	
1	4	5.967	5.967	0.000	69919	267.7	122.2- 202.2	158.8	
1	5	6.627	6.627	0.000	78662	258.4	141.9- 221.9	178.7	
			Average of Peak Amounts =			266.3			
2	6	4.497	4.500	-0.003	36474	276.0		100.0	
2	7	5.747	5.747	0.000	124096	268.7	312.9- 392.9	340.2	
2	8	5.953	5.953	0.000	60630	273.4	129.8- 209.8	166.2	
2	9	6.697	6.697	0.000	43333	267.3	81.4- 161.4	118.8	
2	10	6.893	6.893	0.000	51723	262.7	109.6- 189.6	141.8	
			Average of Peak Amounts =			269.6			
						RPD = 1.22			
12 PCB-1268									
1	1	11.420	11.417	0.003	259197	258.0		100.0	
1	2	11.487	11.487	0.000	314220	262.4	80.4- 160.4	121.2	
1	3	11.833	11.833	0.000	240148	259.3	53.0- 133.0	92.7	
1	4	11.987	11.983	0.004	75648	254.0	0.0- 70.0	29.2	
1	5	12.987	12.983	0.004	627231	259.2	201.5- 281.5	242.0	
			Average of Peak Amounts =			258.6			
2	6	11.560	11.557	0.003	193522	262.7		100.0	
2	7	11.640	11.637	0.003	204703	264.1	66.5- 146.5	105.8	
2	8	12.087	12.083	0.004	166836	262.8	46.6- 126.6	86.2	
2	9	12.263	12.260	0.003	54726	262.1	0.0- 68.5	28.3	
2	10	13.183	13.180	0.003	425677	261.0	181.0- 261.0	220.0	
			Average of Peak Amounts =			262.5			
						RPD = 1.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.9			
2						532.1			
						RPD = 1.36			

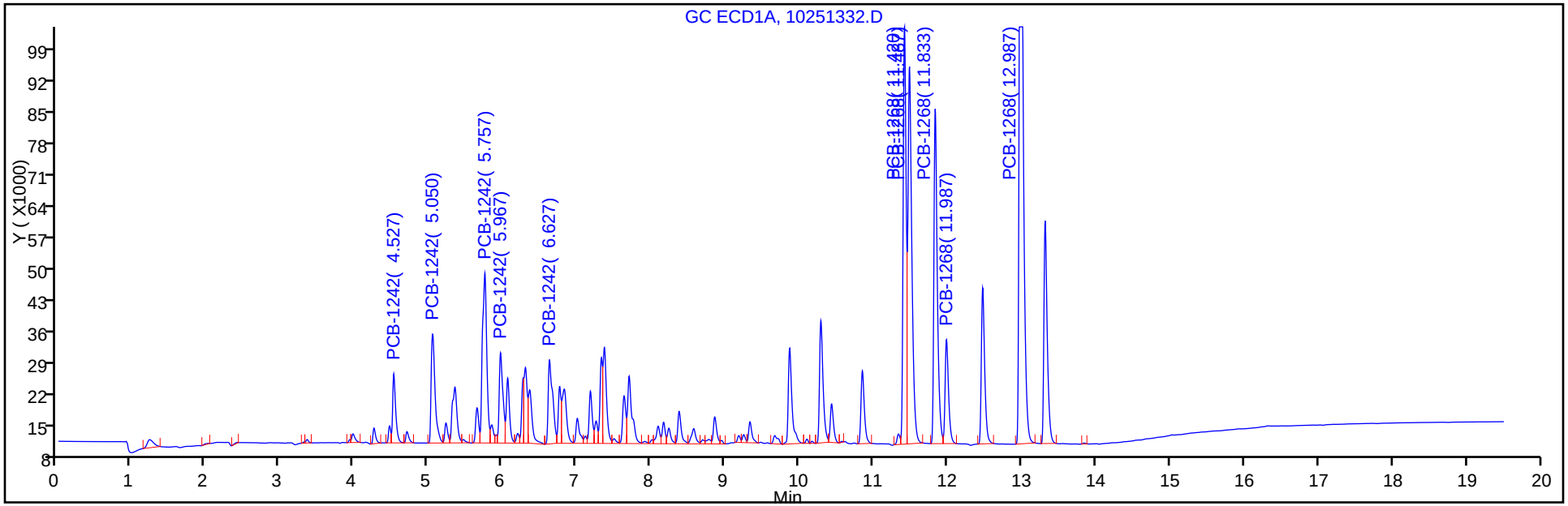
Report Date: 29-Oct-2013 12:13:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

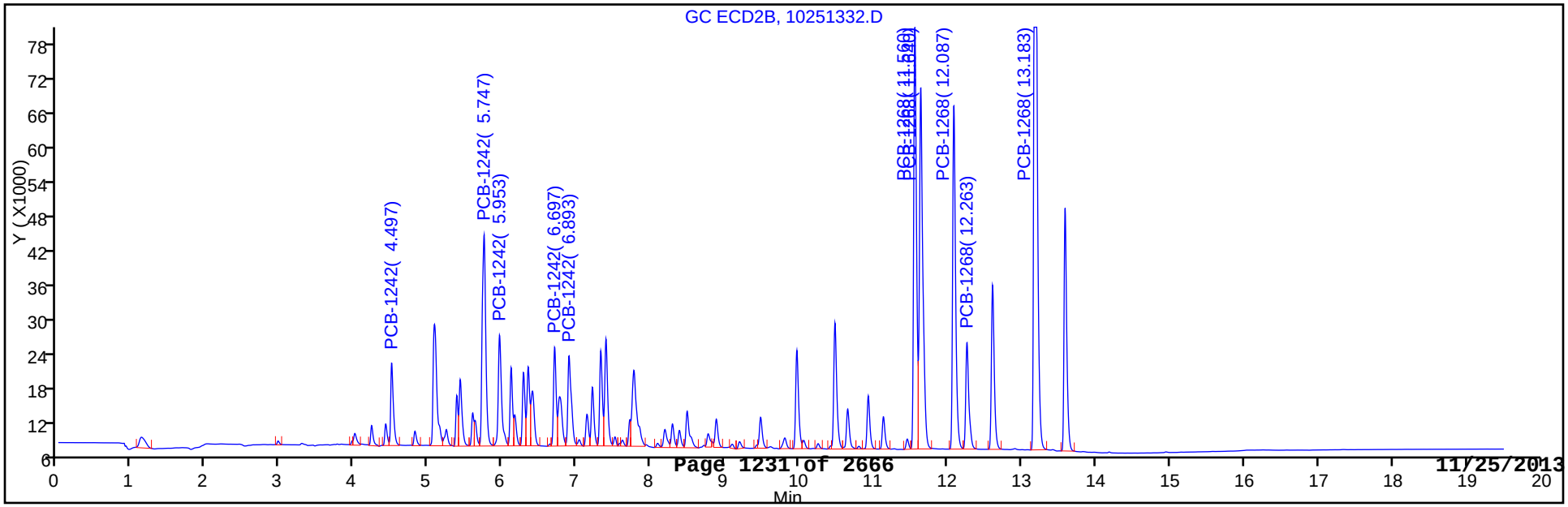
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251332.D

Injection Date:	26-Oct-2013 02:54:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	32
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251333.D		
Lims ID:	STDL34268	Client ID:	
Inject. Date:	26-Oct-2013 03:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL34268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	197868	Lims Sample ID:	33
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:03	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:38:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	19706	111.4		100.0	
1	2	5.053	5.050	0.003	41390	113.2	161.6- 241.6	210.0	
1	3	5.760	5.757	0.003	65906	104.9	323.5- 403.5	334.4	
1	4	5.970	5.967	0.003	27442	99.3	122.2- 202.2	139.3	
1	5	6.630	6.627	0.003	37626	111.5	141.9- 221.9	190.9	
			Average of Peak Amounts =			108.1			
2	6	4.500	4.500	0.000	17147	116.5		100.0	
2	7	5.747	5.747	0.000	56066	111.5	312.9- 392.9	327.0	
2	8	5.957	5.953	0.004	27591	111.9	129.8- 209.8	160.9	
2	9	6.700	6.697	0.003	19730	109.4	81.4- 161.4	115.1	
2	10	6.893	6.893	0.000	22691	108.0	109.6- 189.6	132.3	
			Average of Peak Amounts =			111.5			
						RPD = 3.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.423	11.417	0.006	126176	114.6		100.0	
1	2	11.490	11.487	0.003	139945	108.8	80.4- 160.4	110.9	
1	3	11.837	11.833	0.004	108302	108.5	53.0- 133.0	85.8	
1	4	11.987	11.983	0.004	33617	107.3	0.0- 70.0	26.6	
1	5	12.990	12.983	0.007	288855	110.1	201.5- 281.5	228.9	
			Average of Peak Amounts =			109.9			
2	6	11.560	11.557	0.003	90741	111.5		100.0	
2	7	11.640	11.637	0.003	92123	109.4	66.5- 146.5	101.5	
2	8	12.087	12.083	0.004	76752	110.4	46.6- 126.6	84.6	
2	9	12.263	12.260	0.003	24659	109.2	0.0- 68.5	27.2	
2	10	13.183	13.180	0.003	198881	110.9	181.0- 261.0	219.2	
			Average of Peak Amounts =			110.3			
						RPD = 0.38			
S 15 Polychlorinated biphenyls, Total									
1						217.9			
2						221.8			
						RPD = 1.74			

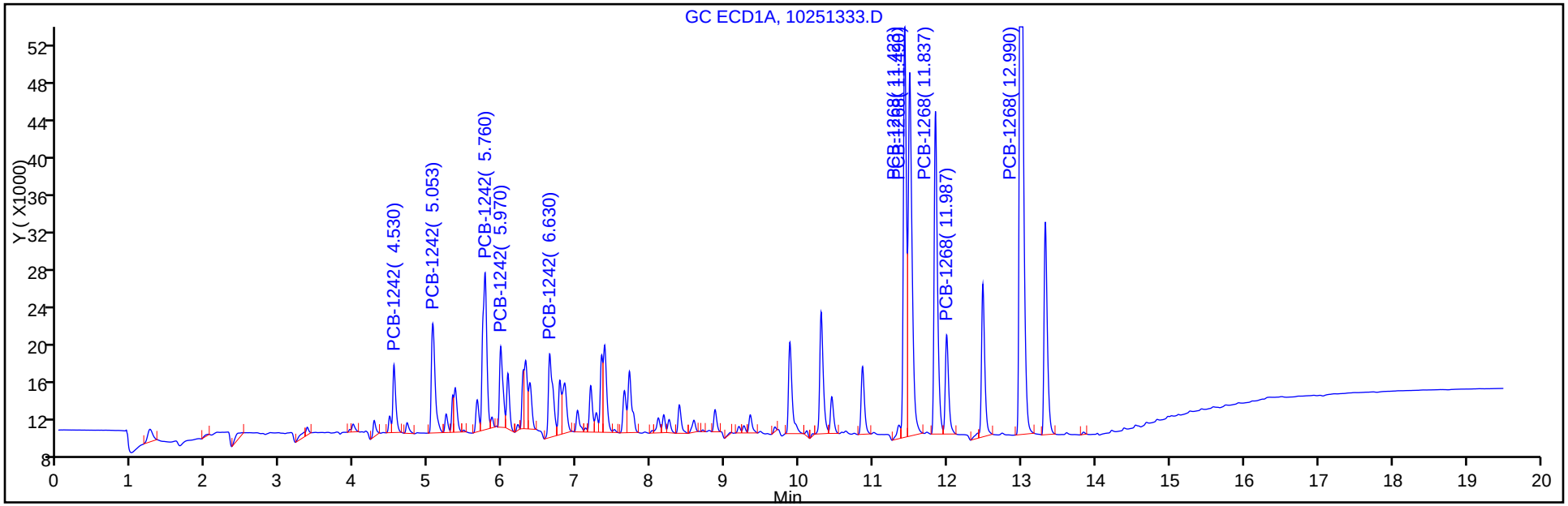
Report Date: 29-Oct-2013 12:13:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

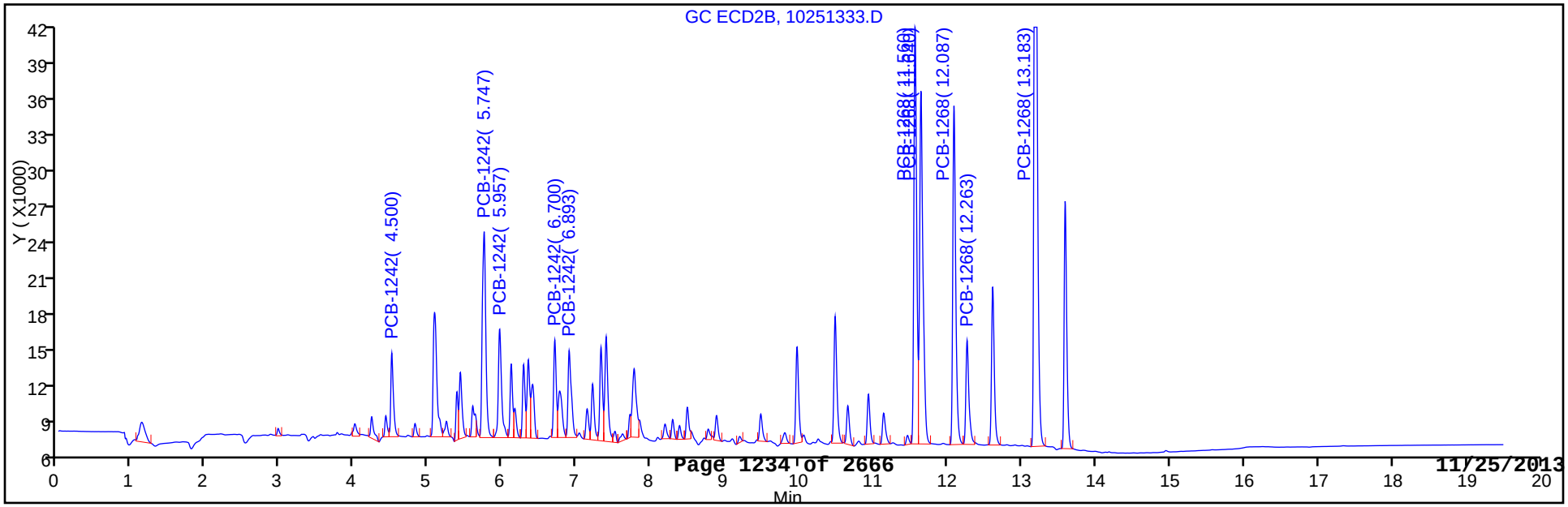
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251333.D

Injection Date:	26-Oct-2013 03:17:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	33
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251334.D
Lims ID: STDL24268 Client ID:
Inject. Date: 26-Oct-2013 03:41:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL24268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 34
Lims Batch ID: 197868 Lims Sample ID: 34
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:02 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	10603	51.8		100.0	
1	2	5.057	5.050	0.007	22984	52.8	161.6- 241.6	216.8	
1	3	5.760	5.757	0.003	35342	51.0	323.5- 403.5	333.3	
1	4	5.973	5.967	0.006	15010	50.1	122.2- 202.2	141.6	
1	5	6.633	6.627	0.006	22243	56.4	141.9- 221.9	209.8	
			Average of Peak Amounts =			52.4			
2	6	4.500	4.500	0.000	9529	53.7		100.0	
2	7	5.747	5.747	0.000	30569	52.6	312.9- 392.9	320.8	
2	8	5.957	5.953	0.004	15769	54.1	129.8- 209.8	165.5	
2	9	6.700	6.697	0.003	11297	52.9	81.4- 161.4	118.6	
2	10	6.897	6.893	0.004	12328	52.8	109.6- 189.6	129.4	
			Average of Peak Amounts =			53.2			
						RPD = 1.59			
12 PCB-1268									
1	1	11.423	11.417	0.006	68751	52.7		100.0	
1	2	11.493	11.487	0.006	77071	53.3	80.4- 160.4	112.1	
1	3	11.840	11.833	0.007	59095	52.2	53.0- 133.0	86.0	
1	4	11.990	11.983	0.007	17784	52.1	0.0- 70.0	25.9	
1	5	12.990	12.983	0.007	158853	52.8	201.5- 281.5	231.1	
			Average of Peak Amounts =			52.6			
2	6	11.563	11.557	0.006	51282	53.5		100.0	
2	7	11.643	11.637	0.006	50177	51.8	66.5- 146.5	97.8	
2	8	12.090	12.083	0.007	42674	52.7	46.6- 126.6	83.2	
2	9	12.267	12.260	0.007	13648	53.2	0.0- 68.5	26.6	
2	10	13.187	13.180	0.007	111331	53.0	181.0- 261.0	217.1	
			Average of Peak Amounts =			52.8			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						105.0			
2						106.1			
						RPD = 0.98			

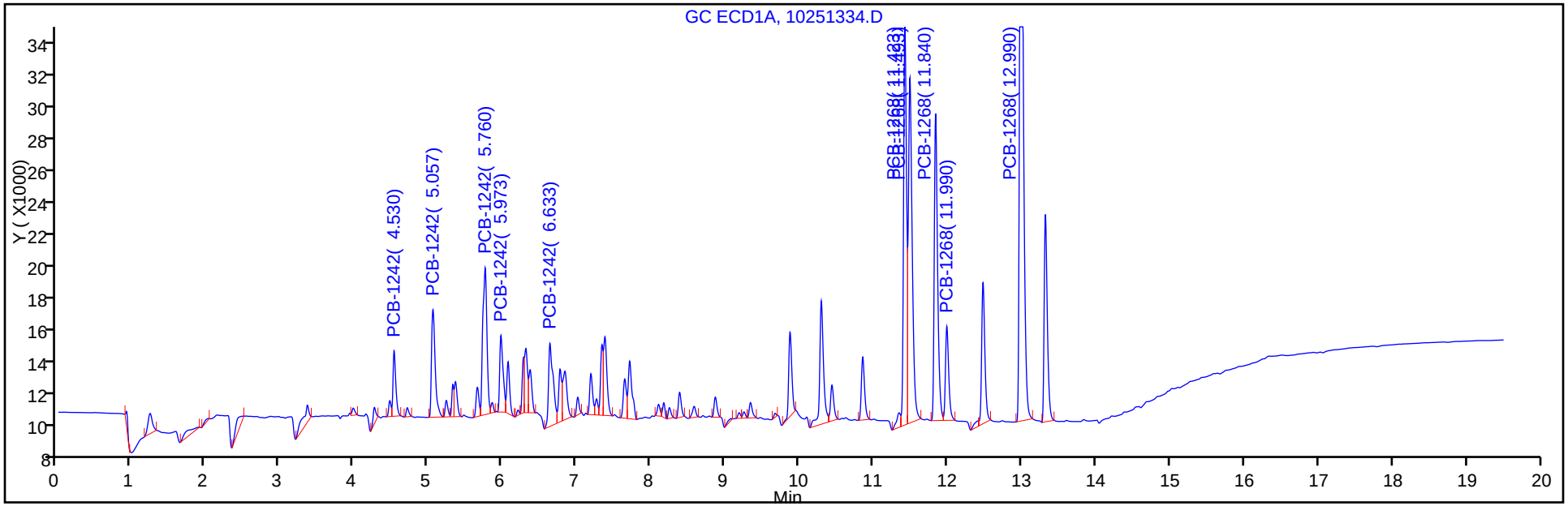
Report Date: 29-Oct-2013 12:13:02 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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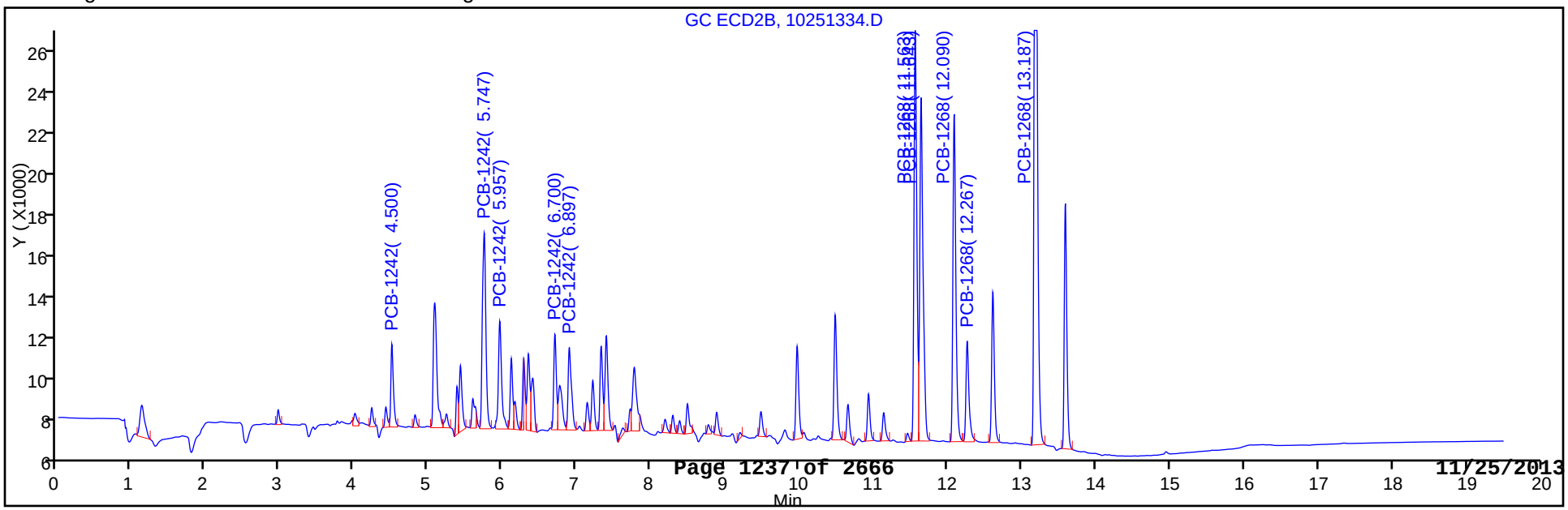
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251334.D

Injection Date:	26-Oct-2013 03:41:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	34
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Lims ID: STDL14268 Client ID:
Inject. Date: 26-Oct-2013 04:04:30 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 1
Sample ID: STDL14268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 35
Lims Batch ID: 197868 Lims Sample ID: 35
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:00 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	5579	18.9		100.0	
1	2	5.057	5.050	0.007	12308	17.7	161.6- 241.6	220.6	
1	3	5.760	5.757	0.003	18612	21.4	323.5- 403.5	333.6	
1	4	5.973	5.967	0.006	8106	22.7	122.2- 202.2	145.3	
1	5	6.633	6.627	0.006	11405	17.6	141.9- 221.9	204.4	
			Average of Peak Amounts =			19.7			
2	6	4.500	4.500	0.000	5004	16.4		100.0	
2	7	5.747	5.747	0.000	15840	18.6	312.9- 392.9	316.5	
2	8	5.957	5.953	0.004	8227	17.3	129.8- 209.8	164.4	
2	9	6.700	6.697	0.003	6258	19.2	81.4- 161.4	125.1	
2	10	6.897	6.893	0.004	6154	19.9	109.6- 189.6	123.0	
			Average of Peak Amounts =			18.3			
						RPD = 7.35			
12 PCB-1268									
1	1	11.427	11.417	0.010	37318	18.9		100.0	
1	2	11.493	11.487	0.006	38779	19.6	80.4- 160.4	103.9	
1	3	11.840	11.833	0.007	31292	20.4	53.0- 133.0	83.9	
1	4	11.990	11.983	0.007	8960	21.3	0.0- 70.0	24.0	
1	5	12.993	12.983	0.010	84149	19.9	201.5- 281.5	225.5	
			Average of Peak Amounts =			20.0			
2	6	11.563	11.557	0.006	27748	18.8		100.0	
2	7	11.643	11.637	0.006	27051	20.1	66.5- 146.5	97.5	
2	8	12.090	12.083	0.007	23050	19.5	46.6- 126.6	83.1	
2	9	12.267	12.260	0.007	7057	19.7	0.0- 68.5	25.4	
2	10	13.187	13.180	0.007	60701	19.5	181.0- 261.0	218.8	
			Average of Peak Amounts =			19.5			
						RPD = 2.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						39.7			
2						37.8			
						RPD = 4.90			

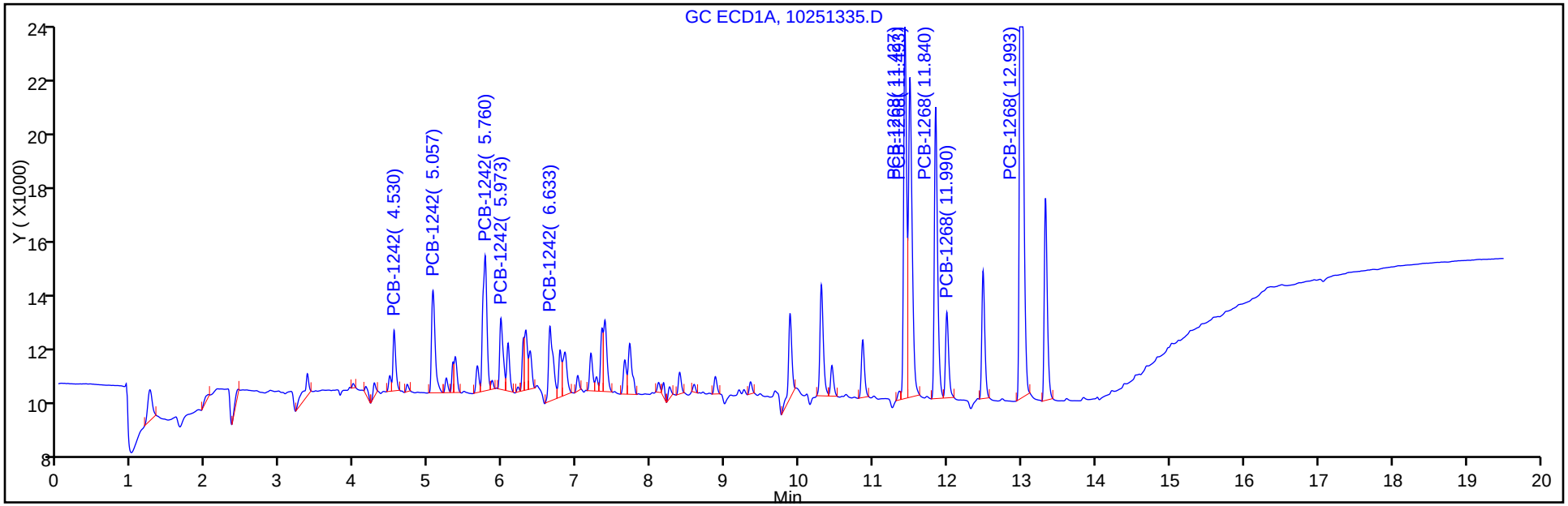
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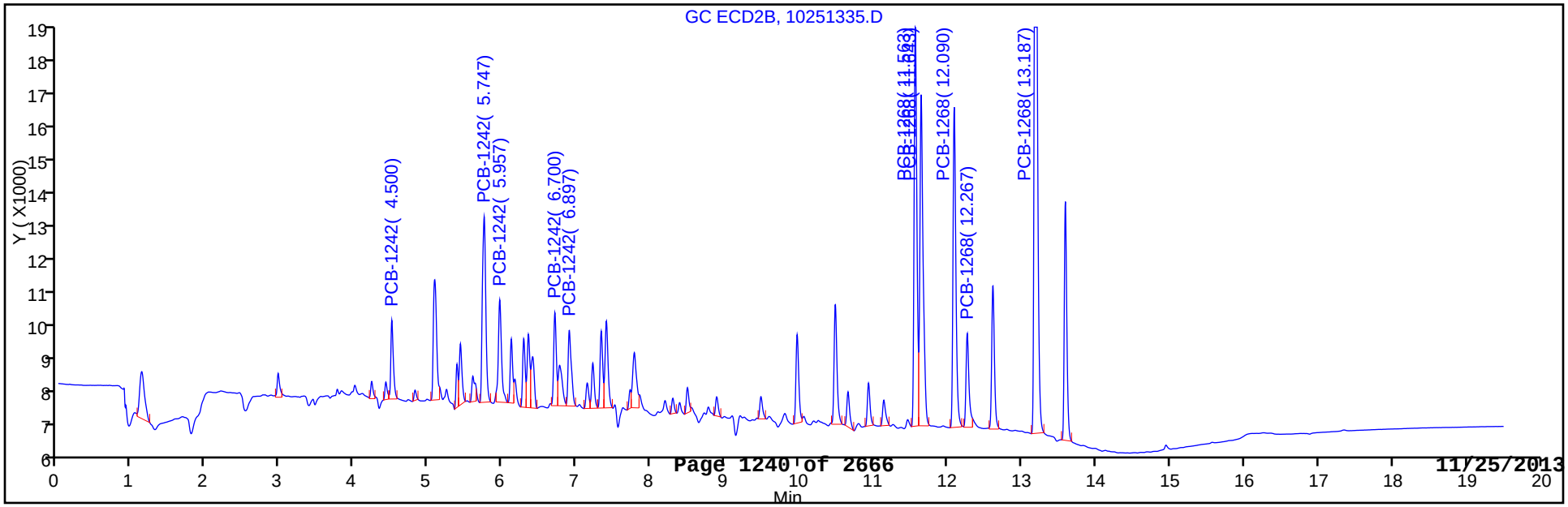
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D

Injection Date:	26-Oct-2013 04:04:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	35
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	LVL 1	LVL 2	LVL 3	LVL 4	LVL 5	LVL 6	LVL 7				RT WINDOW	AVG RT
PCB-1242 Peak 1	4.500	4.500	4.500	4.497	4.500	4.497	4.497				4.460 - 4.540	4.499
PCB-1242 Peak 2	5.747	5.747	5.747	5.747	5.747	5.747	5.743				5.707 - 5.787	5.746
PCB-1242 Peak 3	5.957	5.957	5.957	5.953	5.953	5.953	5.953				5.913 - 5.993	5.955
PCB-1242 Peak 4	6.700	6.700	6.700	6.697	6.697	6.697	6.697				6.657 - 6.737	6.698
PCB-1242 Peak 5	6.897	6.897	6.893	6.893	6.893	6.890	6.890				6.853 - 6.933	6.893
PCB-1268 Peak 1	11.563	11.563	11.560	11.560	11.557	11.557	11.557				11.517 - 11.597	11.560
PCB-1268 Peak 2	11.643	11.643	11.640	11.640	11.637	11.637	11.637				11.597 - 11.677	11.640
PCB-1268 Peak 3	12.090	12.090	12.087	12.087	12.083	12.083	12.083				12.043 - 12.123	12.086
PCB-1268 Peak 4	12.267	12.267	12.263	12.263	12.260	12.260	12.260				12.220 - 12.300	12.263
PCB-1268 Peak 5	13.187	13.187	13.183	13.183	13.180	13.180	13.180				13.140 - 13.220	13.183

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CF				CURVE TYPE	COEFFICIENT			#	MIN CF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 5	LVL 2 LVL 6	LVL 3 LVL 7	LVL 4		B	M1	M2								
PCB-1242 Peak 1	200.16 137.71	190.58 123.33	171.47 115.91	145.90	Lin1	3018.61464	121.227550							0.9920		0.9900
PCB-1242 Peak 2	633.60 485.94	611.38 437.71	560.66 414.60	496.38	Lin1	7790.92297	432.855529							0.9940		0.9900
PCB-1242 Peak 3	329.08 233.76	315.38 207.72	275.91 195.19	242.52	Lin1	4692.28430	204.569723							0.9920		0.9900
PCB-1242 Peak 4	250.32 167.15	225.94 152.89	197.30 144.60	173.33	Lin1	3389.19637	149.435374							0.9950		0.9900
PCB-1242 Peak 5	246.16 205.97	246.56 189.79	226.91 180.86	206.89	Lin1	2412.66499	187.735082							0.9960		0.9900
PCB-1268 Peak 1	1109.9 755.72	1025.6 697.31	907.41 658.59	774.09	Lin1	14950.1237	679.655377							0.9960		0.9900
PCB-1268 Peak 2	1082.0 805.19	1003.5 731.07	921.23 709.71	818.81	Lin1	12450.8428	728.039664							0.9960		0.9900
PCB-1268 Peak 3	922.00 654.74	853.48 599.65	767.52 575.41	667.34	Lin1	11520.9657	591.094669							0.9960		0.9900
PCB-1268 Peak 4	282.28 215.54	272.96 198.53	246.59 191.60	218.90	Lin1	3190.02274	196.645174							0.9970		0.9900
PCB-1268 Peak 5	2428.0 1669.8	2226.6 1532.5	1988.8 1480.5	1702.7	Lin1	31288.7694	1511.13930							0.9970		0.9900

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

FORM VI
PCBS INITIAL CALIBRATION DATA
EXTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Denver Job No.: 280-48486-1 Analy Batch No.: 197868

SDG No.:

Instrument ID: SGC_W GC Column: CLP2 ID: 0.32(mm) Heated Purge: (Y/N) N

Calibration Start Date: 10/26/2013 01:45 Calibration End Date: 10/26/2013 04:04 Calibration ID: 16064

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STDL14268 280-197868/35	10251335.D
Level 2	STDL24268 280-197868/34	10251334.D
Level 3	STDL34268 280-197868/33	10251333.D
Level 4	STDL44268 280-197868/32	10251332.D
Level 5	STDL54268 280-197868/31	10251331.D
Level 6	STDL64268 280-197868/30	10251330.D
Level 7	STDL74268 280-197868/29	10251329.D

ANALYTE	CURVE TYPE	RESPONSE					CONCENTRATION (NG/ML)				
		LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
PCB-1242 Peak 1	Lin1	5004 92496	9529 115911	17147	36474	68853	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 2	Lin1	15840 328283	30569 414599	56066	124096	242972	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 3	Lin1	8227 155788	15769 195187	27591	60630	116878	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 4	Lin1	6258 114671	11297 144602	19730	43333	83573	25.0 750	50.0 1000	100	250	500
PCB-1242 Peak 5	Lin1	6154 142340	12328 180859	22691	51723	102985	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 1	Lin1	27748 522986	51282 658592	90741	193522	377858	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 2	Lin1	27051 548300	50177 709711	92123	204703	402597	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 3	Lin1	23050 449740	42674 575405	76752	166836	327368	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 4	Lin1	7057 148894	13648 191602	24659	54726	107770	25.0 750	50.0 1000	100	250	500
PCB-1268 Peak 5	Lin1	60701 1149344	111331 1480478	198881	425677	834907	25.0 750	50.0 1000	100	250	500

Curve Type Legend:
Lin1 = Linear 1/conc

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D
Lims ID: STDL74268 Client ID:
Inject. Date: 26-Oct-2013 01:45:33 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 7
Sample ID: STDL74268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 29
Lims Batch ID: 197868 Lims Sample ID: 29
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	145666	936.1		100.0	
1	2	5.050	5.050	0.000	290581	931.4	161.6- 241.6	199.5	
1	3	5.753	5.757	-0.004	543730	948.8	323.5- 403.5	373.3	
1	4	5.967	5.967	0.000	241010	945.8	122.2- 202.2	165.5	
1	5	6.627	6.627	0.000	271200	947.7	141.9- 221.9	186.2	
			Average of Peak Amounts =			941.9			
2	6	4.497	4.500	-0.003	115911	931.2		100.0	
2	7	5.743	5.747	-0.004	414599	939.8	312.9- 392.9	357.7	
2	8	5.953	5.953	0.000	195187	931.2	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	144602	945.0	81.4- 161.4	124.8	
2	10	6.890	6.893	-0.003	180859	950.5	109.6- 189.6	156.0	
			Average of Peak Amounts =			939.6			
						RPD = 0.25			
12 PCB-1268									
1	1	11.413	11.417	-0.004	908306	957.4		100.0	
1	2	11.480	11.487	-0.007	1097479	952.8	80.4- 160.4	120.8	
1	3	11.830	11.833	-0.003	850358	957.3	53.0- 133.0	93.6	
1	4	11.983	11.983	0.000	279393	965.1	0.0- 70.0	30.8	
1	5	12.983	12.983	0.000	2216973	959.9	201.5- 281.5	244.1	
			Average of Peak Amounts =			958.5			
2	6	11.557	11.557	0.000	658592	947.0		100.0	
2	7	11.637	11.637	0.000	709711	957.7	66.5- 146.5	107.8	
2	8	12.083	12.083	0.000	575405	954.0	46.6- 126.6	87.4	
2	9	12.260	12.260	0.000	191602	958.1	0.0- 68.5	29.1	
2	10	13.180	13.180	0.000	1480478	959.0	181.0- 261.0	224.8	
			Average of Peak Amounts =			955.2			
						RPD = 0.35			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1900.4			
2						1894.7			
						RPD = 0.30			

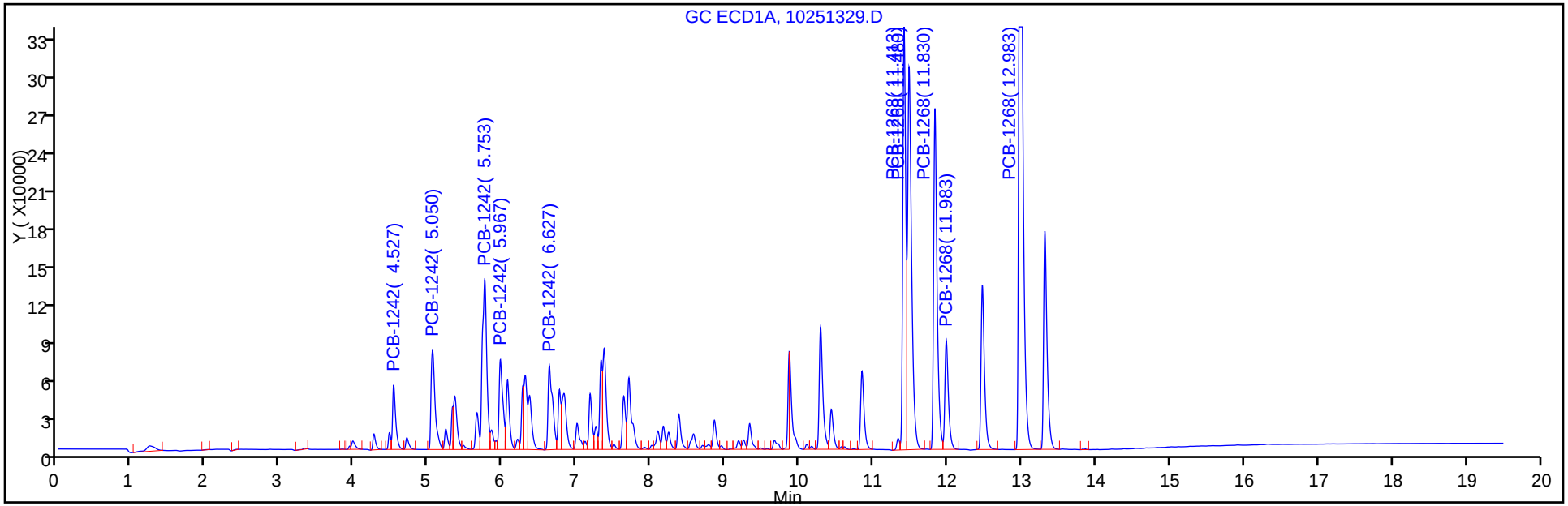
Report Date: 29-Oct-2013 12:13:08 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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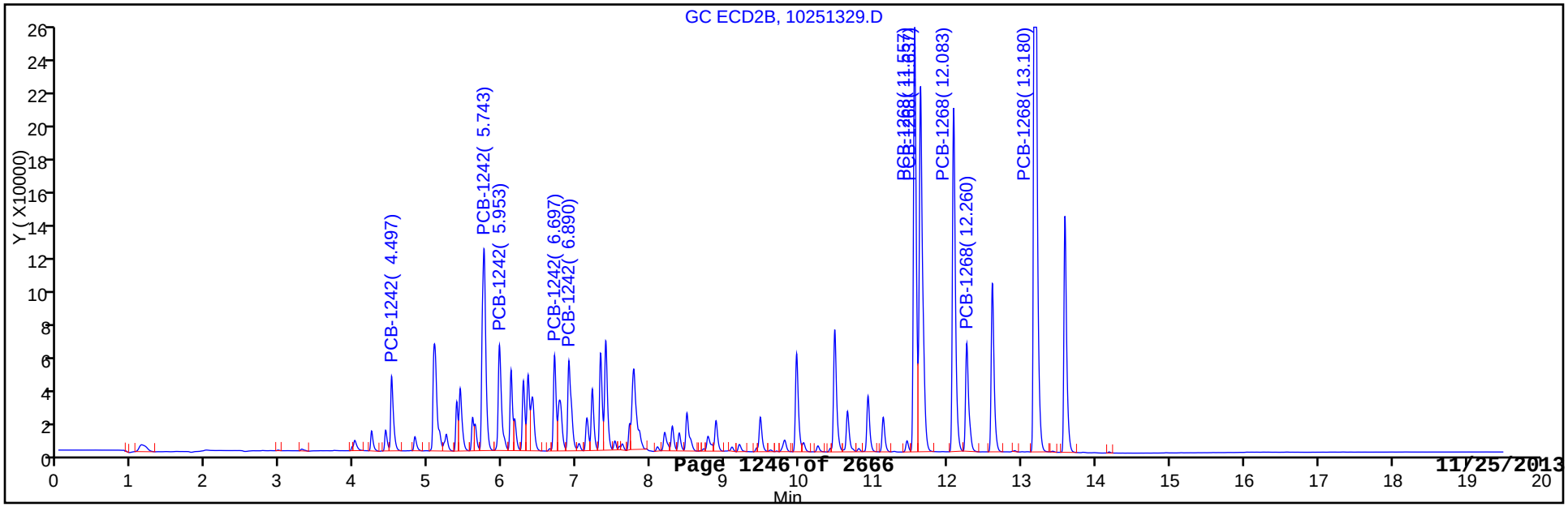
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251329.D

Injection Date:	26-Oct-2013 01:45:33	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	29
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251330.D
Lims ID: STDL64268 Client ID:
Inject. Date: 26-Oct-2013 02:08:29 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 6
Sample ID: STDL64268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 30
Lims Batch ID: 197868 Lims Sample ID: 30
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	115861	741.0		100.0	
1	2	5.050	5.050	0.000	232548	740.8	161.6- 241.6	200.7	
1	3	5.757	5.757	0.000	428805	745.8	323.5- 403.5	370.1	
1	4	5.967	5.967	0.000	190585	745.9	122.2- 202.2	164.5	
1	5	6.627	6.627	0.000	215013	746.5	141.9- 221.9	185.6	
			Average of Peak Amounts =			744.0			
2	6	4.497	4.500	-0.003	92496	738.1		100.0	
2	7	5.747	5.747	0.000	328283	740.4	312.9- 392.9	354.9	
2	8	5.953	5.953	0.000	155788	738.6	129.8- 209.8	168.4	
2	9	6.697	6.697	0.000	114671	744.7	81.4- 161.4	124.0	
2	10	6.890	6.893	-0.003	142340	745.3	109.6- 189.6	153.9	
			Average of Peak Amounts =			741.4			
						RPD = 0.35			
12 PCB-1268									
1	1	11.413	11.417	-0.004	705235	738.6		100.0	
1	2	11.483	11.487	-0.004	861871	745.1	80.4- 160.4	122.2	
1	3	11.830	11.833	-0.003	663641	743.7	53.0- 133.0	94.1	
1	4	11.983	11.983	0.000	216347	745.0	0.0- 70.0	30.7	
1	5	12.983	12.983	0.000	1720824	741.2	201.5- 281.5	244.0	
			Average of Peak Amounts =			742.7			
2	6	11.557	11.557	0.000	522986	747.5		100.0	
2	7	11.637	11.637	0.000	548300	736.0	66.5- 146.5	104.8	
2	8	12.083	12.083	0.000	449740	741.4	46.6- 126.6	86.0	
2	9	12.260	12.260	0.000	148894	740.9	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	1149344	739.9	181.0- 261.0	219.8	
			Average of Peak Amounts =			741.1			
						RPD = 0.22			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						1486.8			
2						1482.6			
						RPD = 0.28			

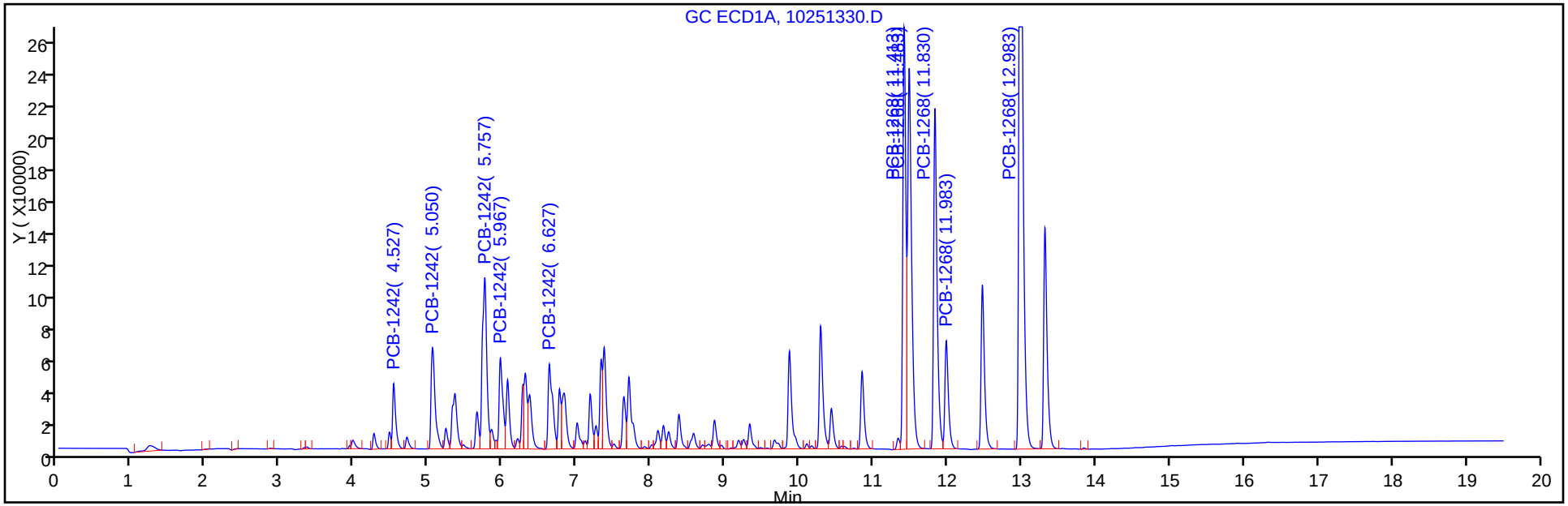
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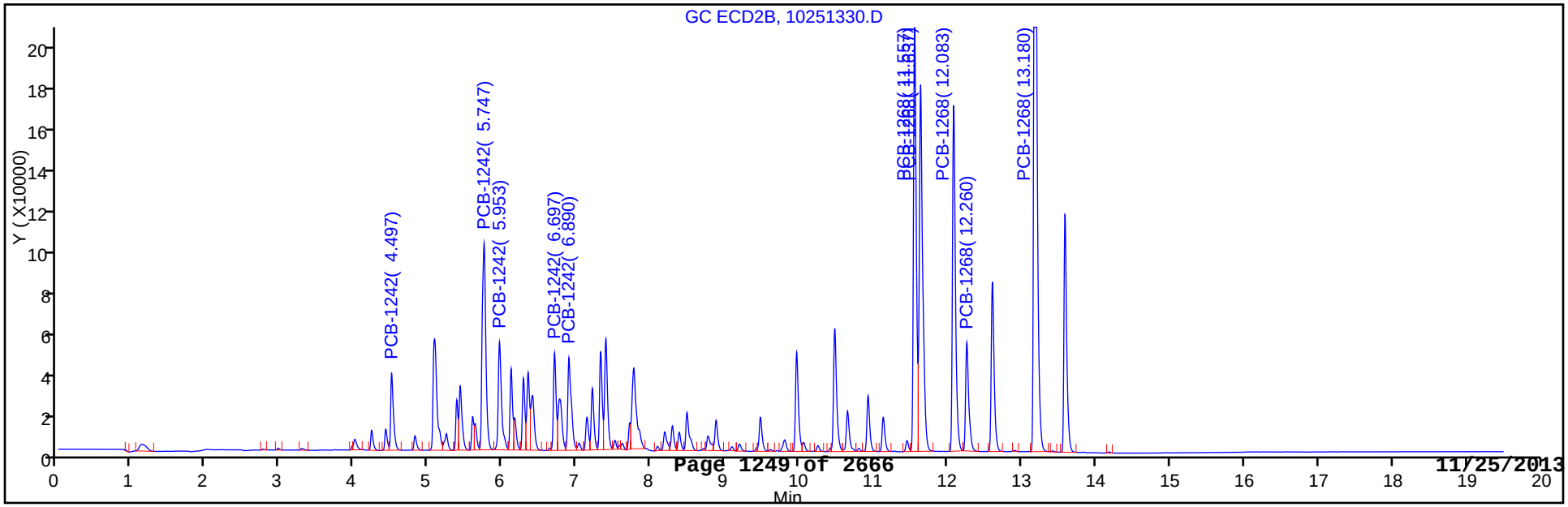
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251330.D

Injection Date:	26-Oct-2013 02:08:29	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	30
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251331.D		
Lims ID:	STDL54268	Client ID:	
Inject. Date:	26-Oct-2013 02:31:32	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	5
Sample ID:	STDL54268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	31
Lims Batch ID:	197868	Lims Sample ID:	31
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:05	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:20:34

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	85987	545.4		100.0	
1	2	5.050	5.050	0.000	173351	546.5	161.6- 241.6	201.6	
1	3	5.757	5.757	0.000	312592	540.6	323.5- 403.5	363.5	
1	4	5.967	5.967	0.000	139513	543.5	122.2- 202.2	162.2	
1	5	6.627	6.627	0.000	156434	536.8	141.9- 221.9	181.9	
			Average of Peak Amounts =			542.6			
2	6	4.500	4.500	0.000	68853	543.1		100.0	
2	7	5.747	5.747	0.000	242972	543.3	312.9- 392.9	352.9	
2	8	5.953	5.953	0.000	116878	548.4	129.8- 209.8	169.8	
2	9	6.697	6.697	0.000	83573	536.6	81.4- 161.4	121.4	
2	10	6.893	6.893	0.000	102985	535.7	109.6- 189.6	149.6	
			Average of Peak Amounts =			541.4			
						RPD = 0.21			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.417	11.417	0.000	516044	534.7		100.0	
1	2	11.487	11.487	0.000	621149	532.9	80.4- 160.4	120.4	
1	3	11.833	11.833	0.000	479893	533.5	53.0- 133.0	93.0	
1	4	11.983	11.983	0.000	154810	530.3	0.0- 70.0	30.0	
1	5	12.983	12.983	0.000	1246050	532.0	201.5- 281.5	241.5	
			Average of Peak Amounts =			532.7			
2	6	11.557	11.557	0.000	377858	534.0		100.0	
2	7	11.637	11.637	0.000	402597	535.9	66.5- 146.5	106.5	
2	8	12.083	12.083	0.000	327368	534.3	46.6- 126.6	86.6	
2	9	12.260	12.260	0.000	107770	531.8	0.0- 68.5	28.5	
2	10	13.180	13.180	0.000	834907	531.8	181.0- 261.0	221.0	
			Average of Peak Amounts =			533.6			
						RPD = 0.16			
S 15 Polychlorinated biphenyls, Total									
1						1075.2			
2						1075.0			
						RPD = 0.02			

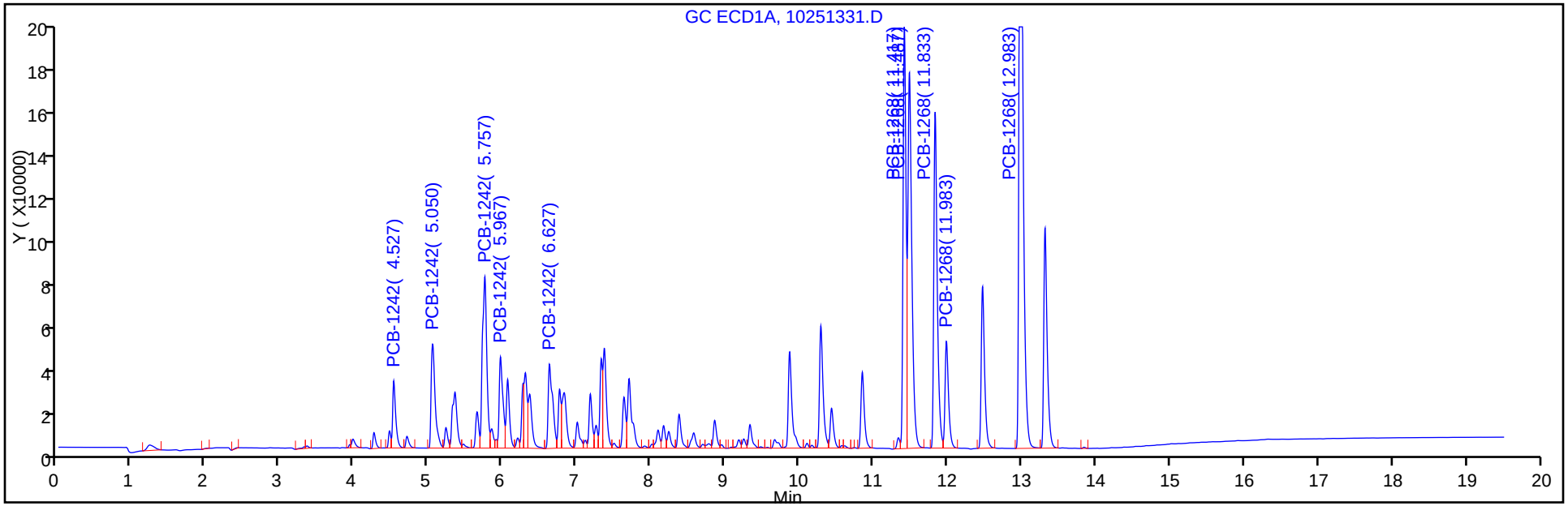
Report Date: 29-Oct-2013 12:13:06 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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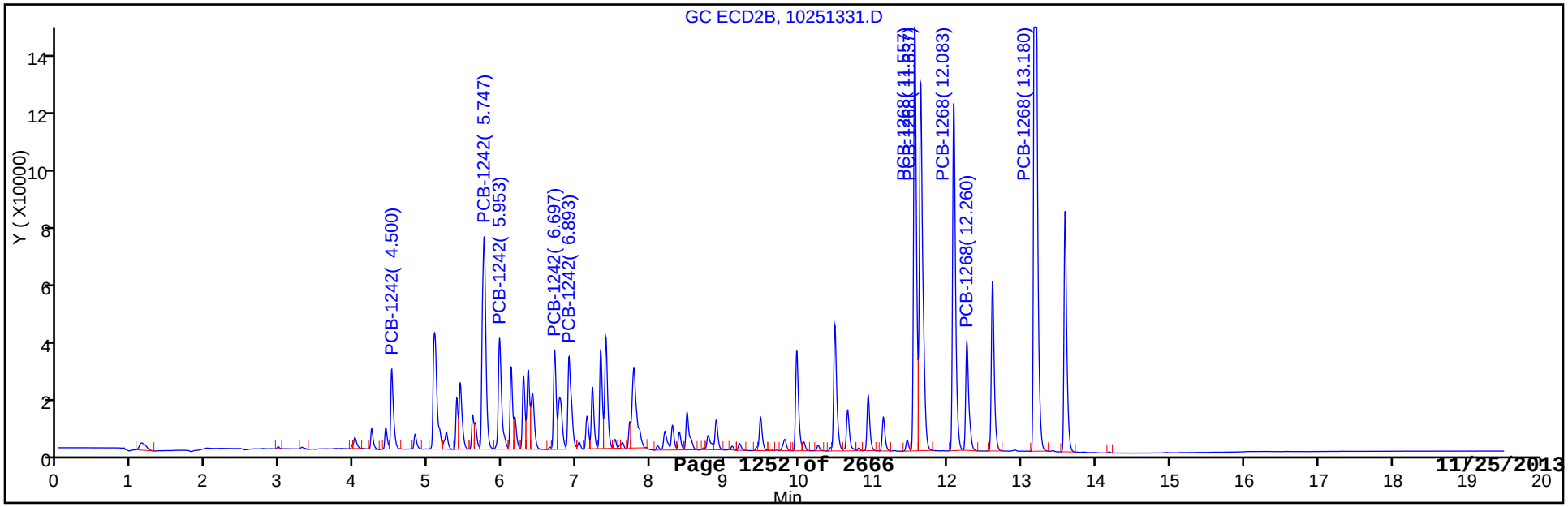
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Injection Date:	26-Oct-2013 02:31:32	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	31
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251332.D		
Lims ID:	STDL44268	Client ID:	
Inject. Date:	26-Oct-2013 02:54:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	4
Sample ID:	STDL44268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	32
Lims Batch ID:	197868	Lims Sample ID:	32
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:04	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.527	4.527	0.000	44016	270.5		100.0	
1	2	5.050	5.050	0.000	89938	272.6	161.6- 241.6	204.3	
1	3	5.757	5.757	0.000	155126	262.5	323.5- 403.5	352.4	
1	4	5.967	5.967	0.000	69919	267.7	122.2- 202.2	158.8	
1	5	6.627	6.627	0.000	78662	258.4	141.9- 221.9	178.7	
			Average of Peak Amounts =			266.3			
2	6	4.497	4.500	-0.003	36474	276.0		100.0	
2	7	5.747	5.747	0.000	124096	268.7	312.9- 392.9	340.2	
2	8	5.953	5.953	0.000	60630	273.4	129.8- 209.8	166.2	
2	9	6.697	6.697	0.000	43333	267.3	81.4- 161.4	118.8	
2	10	6.893	6.893	0.000	51723	262.7	109.6- 189.6	141.8	
			Average of Peak Amounts =			269.6			
						RPD = 1.22			
12 PCB-1268									
1	1	11.420	11.417	0.003	259197	258.0		100.0	
1	2	11.487	11.487	0.000	314220	262.4	80.4- 160.4	121.2	
1	3	11.833	11.833	0.000	240148	259.3	53.0- 133.0	92.7	
1	4	11.987	11.983	0.004	75648	254.0	0.0- 70.0	29.2	
1	5	12.987	12.983	0.004	627231	259.2	201.5- 281.5	242.0	
			Average of Peak Amounts =			258.6			
2	6	11.560	11.557	0.003	193522	262.7		100.0	
2	7	11.640	11.637	0.003	204703	264.1	66.5- 146.5	105.8	
2	8	12.087	12.083	0.004	166836	262.8	46.6- 126.6	86.2	
2	9	12.263	12.260	0.003	54726	262.1	0.0- 68.5	28.3	
2	10	13.183	13.180	0.003	425677	261.0	181.0- 261.0	220.0	
			Average of Peak Amounts =			262.5			
						RPD = 1.51			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						524.9			
2						532.1			
						RPD = 1.36			

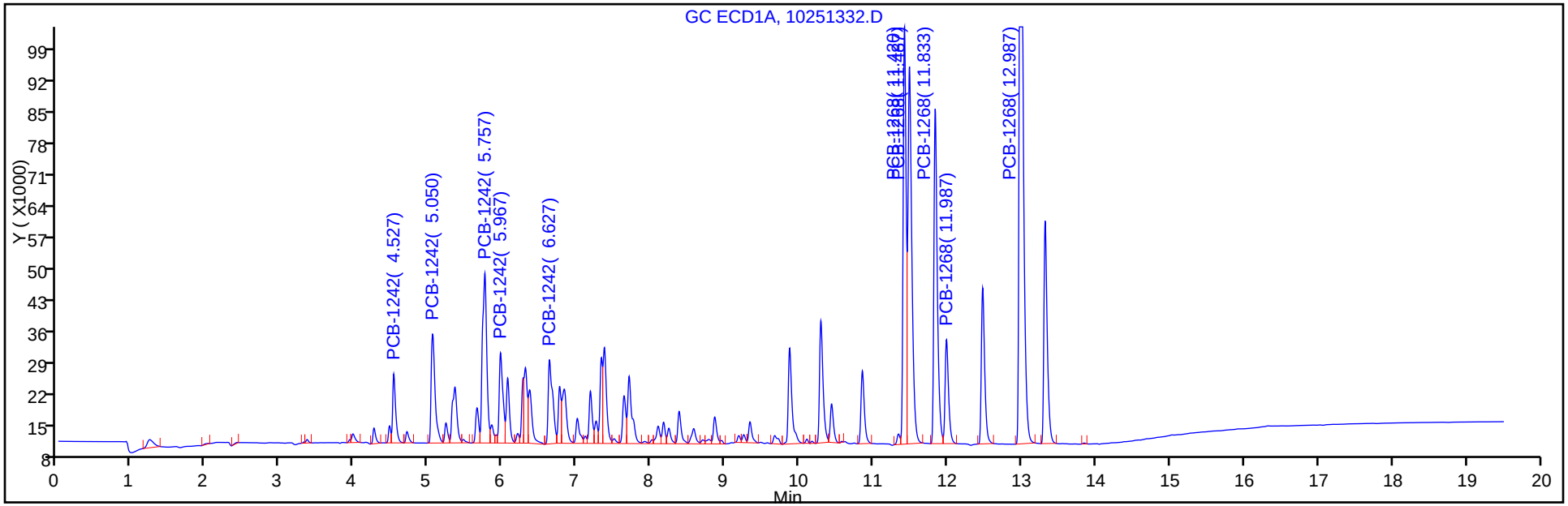
Report Date: 29-Oct-2013 12:13:05 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

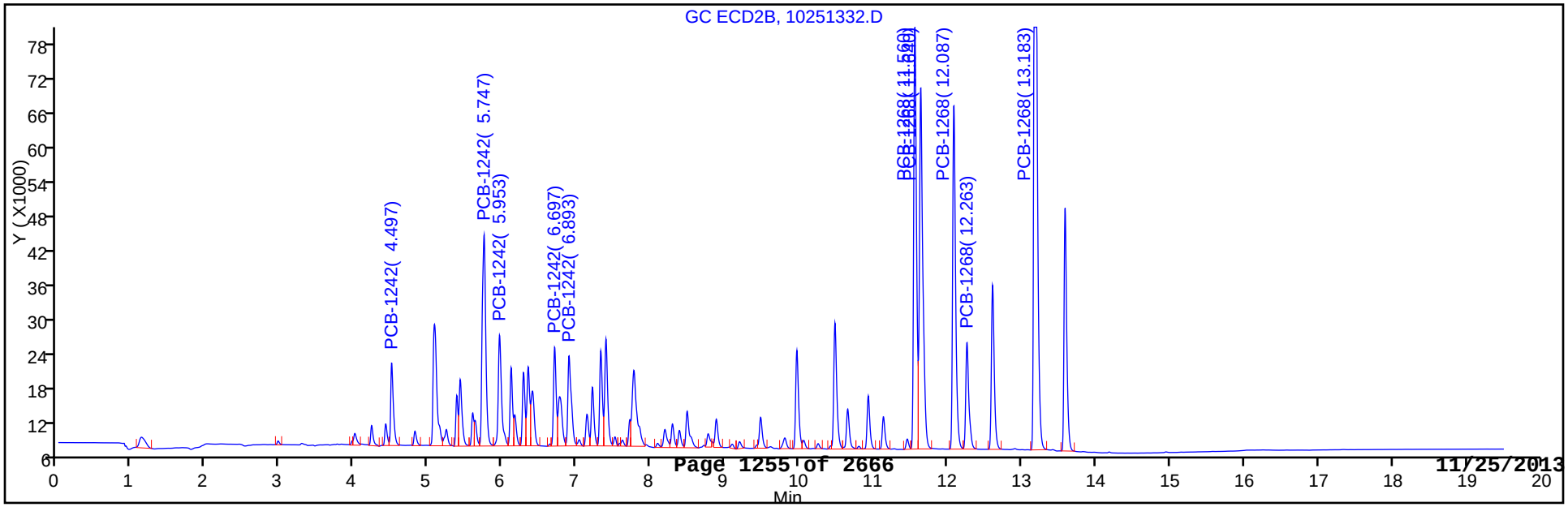
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Injection Date:	26-Oct-2013 02:54:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	32
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251333.D		
Lims ID:	STDL34268	Client ID:	
Inject. Date:	26-Oct-2013 03:17:42	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	3
Sample ID:	STDL34268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	33
Lims Batch ID:	197868	Lims Sample ID:	33
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:03	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:38:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	19706	111.4		100.0	
1	2	5.053	5.050	0.003	41390	113.2	161.6- 241.6	210.0	
1	3	5.760	5.757	0.003	65906	104.9	323.5- 403.5	334.4	
1	4	5.970	5.967	0.003	27442	99.3	122.2- 202.2	139.3	
1	5	6.630	6.627	0.003	37626	111.5	141.9- 221.9	190.9	
			Average of Peak Amounts =			108.1			
2	6	4.500	4.500	0.000	17147	116.5		100.0	
2	7	5.747	5.747	0.000	56066	111.5	312.9- 392.9	327.0	
2	8	5.957	5.953	0.004	27591	111.9	129.8- 209.8	160.9	
2	9	6.700	6.697	0.003	19730	109.4	81.4- 161.4	115.1	
2	10	6.893	6.893	0.000	22691	108.0	109.6- 189.6	132.3	
			Average of Peak Amounts =			111.5			
						RPD = 3.10			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.423	11.417	0.006	126176	114.6		100.0	
1	2	11.490	11.487	0.003	139945	108.8	80.4- 160.4	110.9	
1	3	11.837	11.833	0.004	108302	108.5	53.0- 133.0	85.8	
1	4	11.987	11.983	0.004	33617	107.3	0.0- 70.0	26.6	
1	5	12.990	12.983	0.007	288855	110.1	201.5- 281.5	228.9	
			Average of Peak Amounts =			109.9			
2	6	11.560	11.557	0.003	90741	111.5		100.0	
2	7	11.640	11.637	0.003	92123	109.4	66.5- 146.5	101.5	
2	8	12.087	12.083	0.004	76752	110.4	46.6- 126.6	84.6	
2	9	12.263	12.260	0.003	24659	109.2	0.0- 68.5	27.2	
2	10	13.183	13.180	0.003	198881	110.9	181.0- 261.0	219.2	
			Average of Peak Amounts =			110.3			
						RPD = 0.38			
S 15 Polychlorinated biphenyls, Total									
1						217.9			
2						221.8			
						RPD = 1.74			

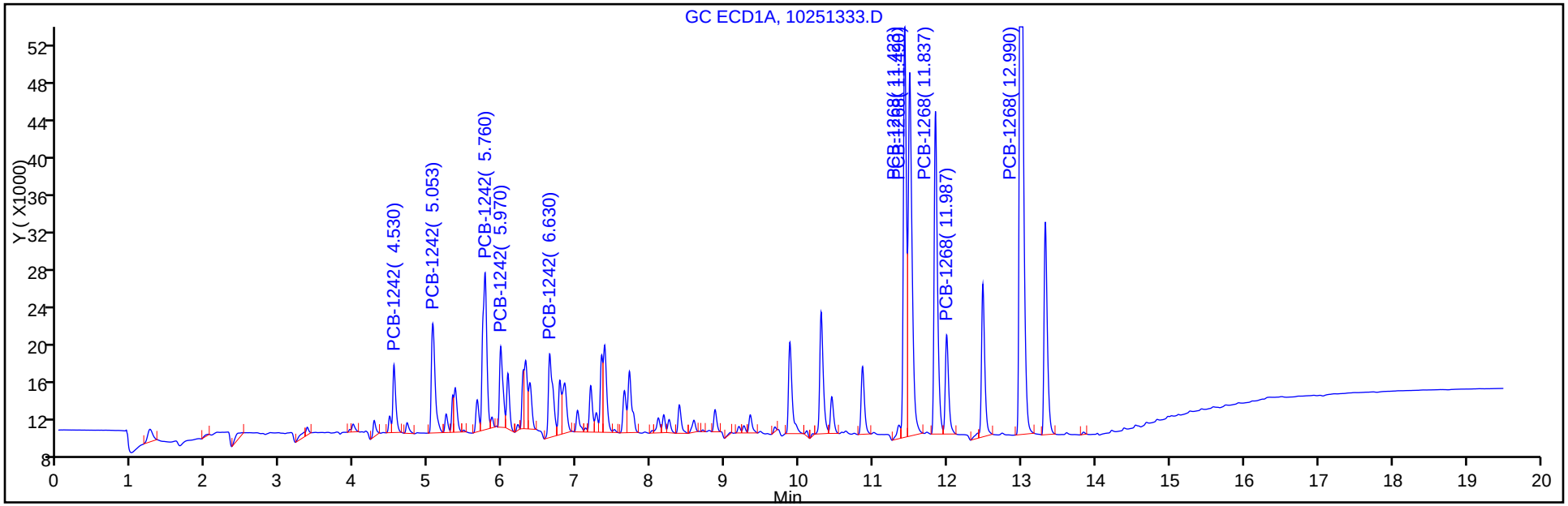
Report Date: 29-Oct-2013 12:13:04 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

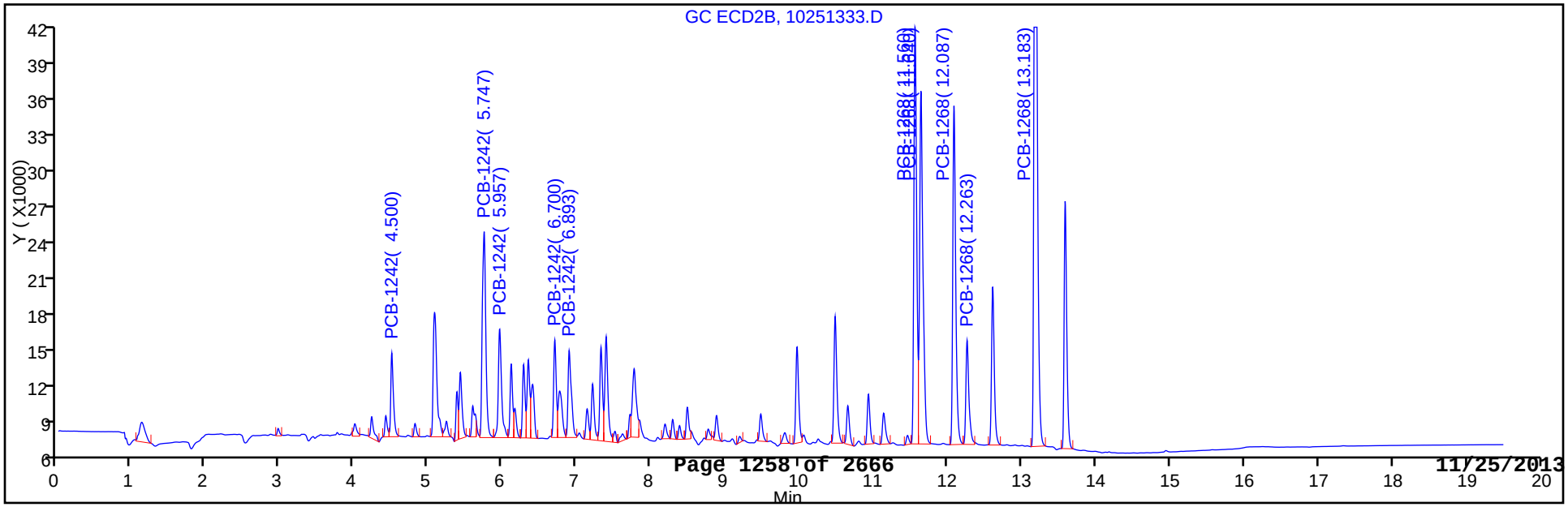
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Injection Date:	26-Oct-2013 03:17:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	33
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251334.D
Lims ID: STDL24268 Client ID:
Inject. Date: 26-Oct-2013 03:41:04 Dil. Factor: 1.0000
Sample Type: IC Calib Level: 2
Sample ID: STDL24268
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 34
Lims Batch ID: 197868 Lims Sample ID: 34
Sublist: chrom-8082_608_W*sub5
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:13:02 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	10603	51.8		100.0	
1	2	5.057	5.050	0.007	22984	52.8	161.6- 241.6	216.8	
1	3	5.760	5.757	0.003	35342	51.0	323.5- 403.5	333.3	
1	4	5.973	5.967	0.006	15010	50.1	122.2- 202.2	141.6	
1	5	6.633	6.627	0.006	22243	56.4	141.9- 221.9	209.8	
			Average of Peak Amounts =			52.4			
2	6	4.500	4.500	0.000	9529	53.7		100.0	
2	7	5.747	5.747	0.000	30569	52.6	312.9- 392.9	320.8	
2	8	5.957	5.953	0.004	15769	54.1	129.8- 209.8	165.5	
2	9	6.700	6.697	0.003	11297	52.9	81.4- 161.4	118.6	
2	10	6.897	6.893	0.004	12328	52.8	109.6- 189.6	129.4	
			Average of Peak Amounts =			53.2			
						RPD = 1.59			
12 PCB-1268									
1	1	11.423	11.417	0.006	68751	52.7		100.0	
1	2	11.493	11.487	0.006	77071	53.3	80.4- 160.4	112.1	
1	3	11.840	11.833	0.007	59095	52.2	53.0- 133.0	86.0	
1	4	11.990	11.983	0.007	17784	52.1	0.0- 70.0	25.9	
1	5	12.990	12.983	0.007	158853	52.8	201.5- 281.5	231.1	
			Average of Peak Amounts =			52.6			
2	6	11.563	11.557	0.006	51282	53.5		100.0	
2	7	11.643	11.637	0.006	50177	51.8	66.5- 146.5	97.8	
2	8	12.090	12.083	0.007	42674	52.7	46.6- 126.6	83.2	
2	9	12.267	12.260	0.007	13648	53.2	0.0- 68.5	26.6	
2	10	13.187	13.180	0.007	111331	53.0	181.0- 261.0	217.1	
			Average of Peak Amounts =			52.8			
						RPD = 0.36			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						105.0			
2						106.1			
						RPD = 0.98			

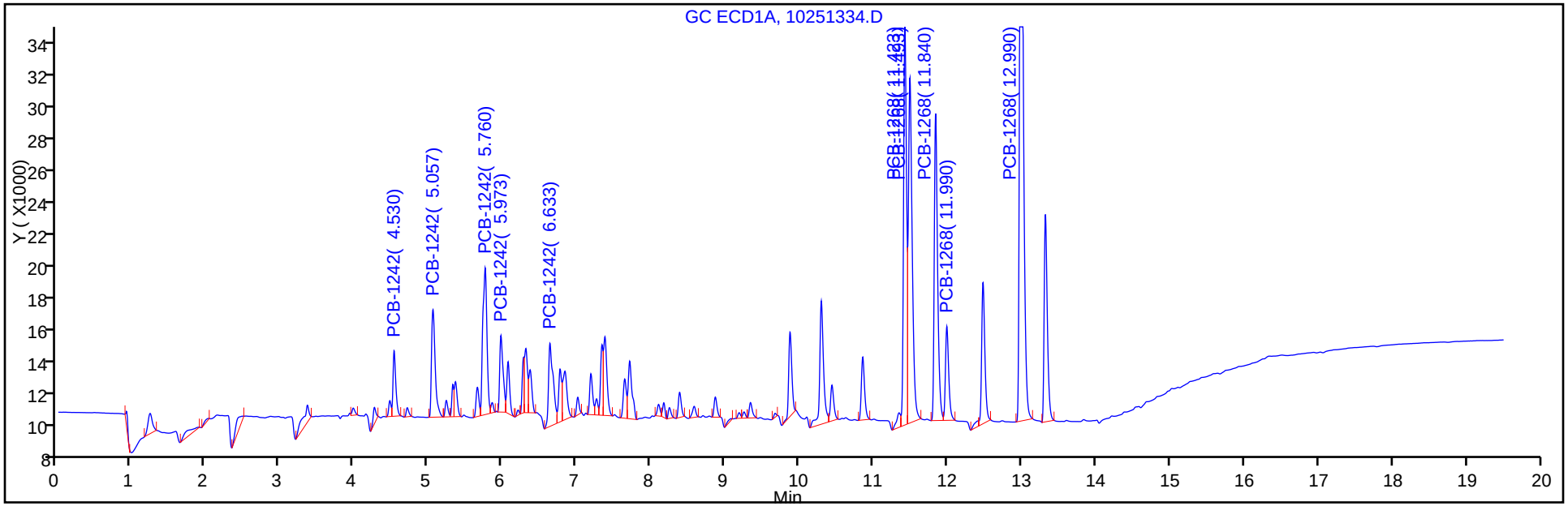
Report Date: 29-Oct-2013 12:13:02 Chrom Revision: 2.0 14-Jul-2013 20:56:00

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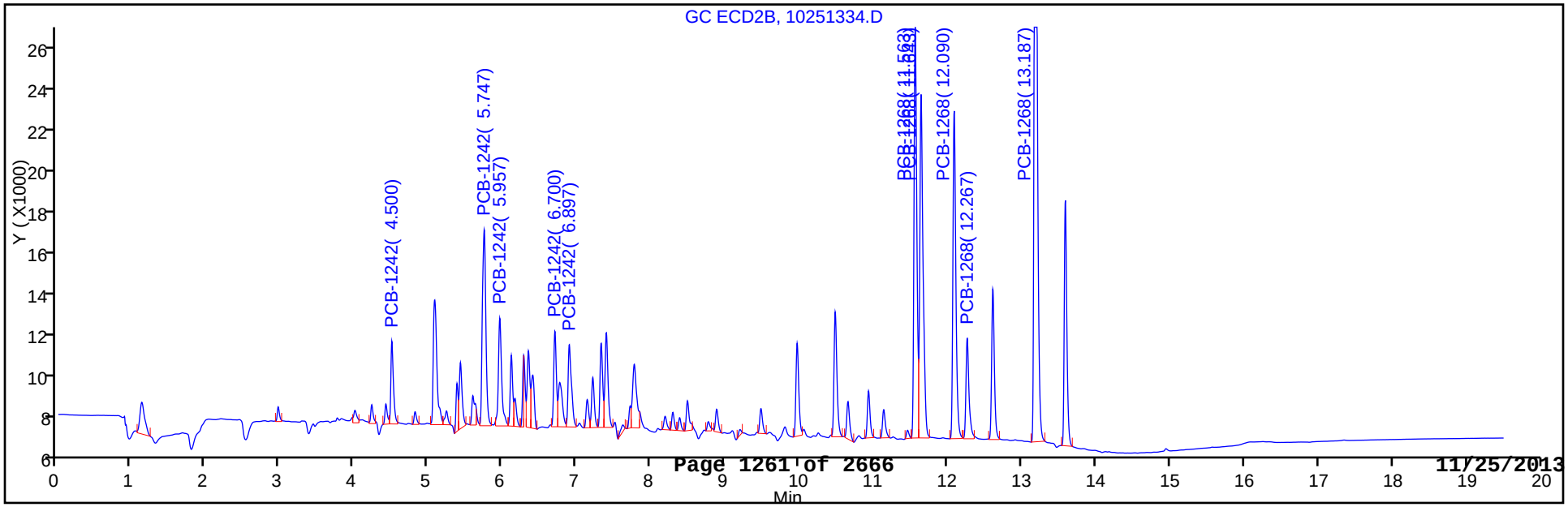
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Injection Date:	26-Oct-2013 03:41:04	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	34
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Lims ID:	STDL14268	Client ID:	
Inject. Date:	26-Oct-2013 04:04:30	Dil. Factor:	1.0000
Sample Type:	IC	Calib Level:	1
Sample ID:	STDL14268		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	35
Lims Batch ID:	197868	Lims Sample ID:	35
Sublist:	chrom-8082_608_W*sub5		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:13:00	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	5579	18.9		100.0	
1	2	5.057	5.050	0.007	12308	17.7	161.6- 241.6	220.6	
1	3	5.760	5.757	0.003	18612	21.4	323.5- 403.5	333.6	
1	4	5.973	5.967	0.006	8106	22.7	122.2- 202.2	145.3	
1	5	6.633	6.627	0.006	11405	17.6	141.9- 221.9	204.4	
			Average of Peak Amounts =			19.7			
2	6	4.500	4.500	0.000	5004	16.4		100.0	
2	7	5.747	5.747	0.000	15840	18.6	312.9- 392.9	316.5	
2	8	5.957	5.953	0.004	8227	17.3	129.8- 209.8	164.4	
2	9	6.700	6.697	0.003	6258	19.2	81.4- 161.4	125.1	
2	10	6.897	6.893	0.004	6154	19.9	109.6- 189.6	123.0	
			Average of Peak Amounts =			18.3			
						RPD = 7.35			
12 PCB-1268									
1	1	11.427	11.417	0.010	37318	18.9		100.0	
1	2	11.493	11.487	0.006	38779	19.6	80.4- 160.4	103.9	
1	3	11.840	11.833	0.007	31292	20.4	53.0- 133.0	83.9	
1	4	11.990	11.983	0.007	8960	21.3	0.0- 70.0	24.0	
1	5	12.993	12.983	0.010	84149	19.9	201.5- 281.5	225.5	
			Average of Peak Amounts =			20.0			
2	6	11.563	11.557	0.006	27748	18.8		100.0	
2	7	11.643	11.637	0.006	27051	20.1	66.5- 146.5	97.5	
2	8	12.090	12.083	0.007	23050	19.5	46.6- 126.6	83.1	
2	9	12.267	12.260	0.007	7057	19.7	0.0- 68.5	25.4	
2	10	13.187	13.180	0.007	60701	19.5	181.0- 261.0	218.8	
			Average of Peak Amounts =			19.5			
						RPD = 2.54			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
S 15 Polychlorinated biphenyls, Total									
1						39.7			
2						37.8			
						RPD = 4.90			

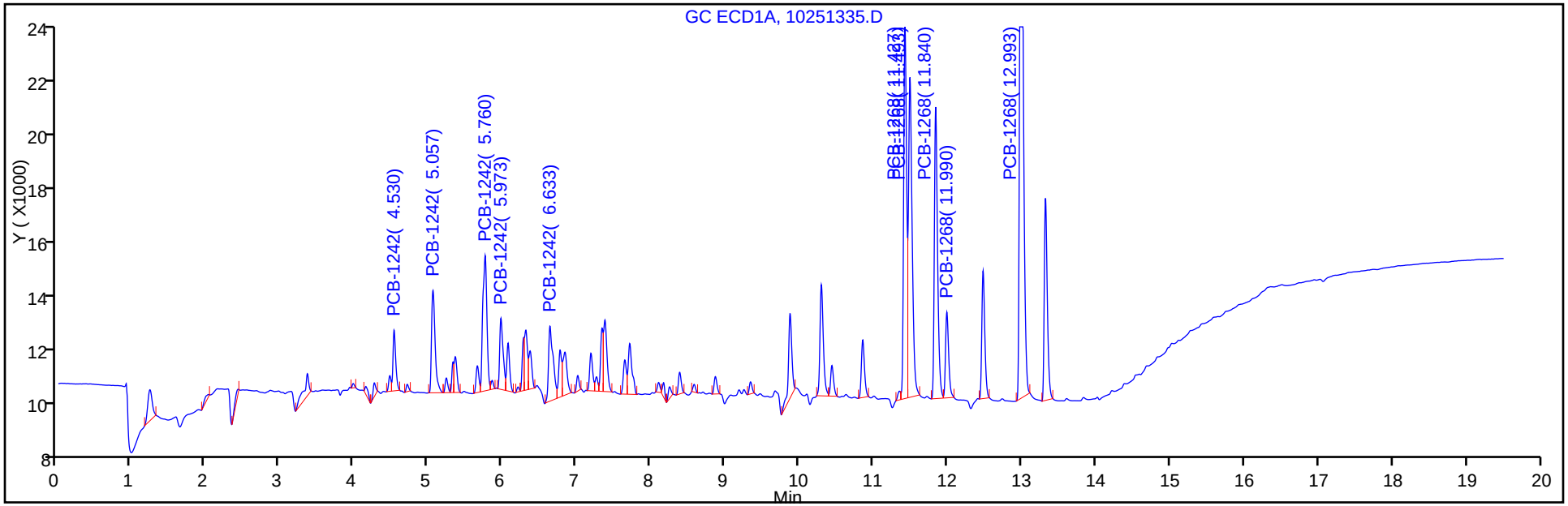
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TestAmerica Denver

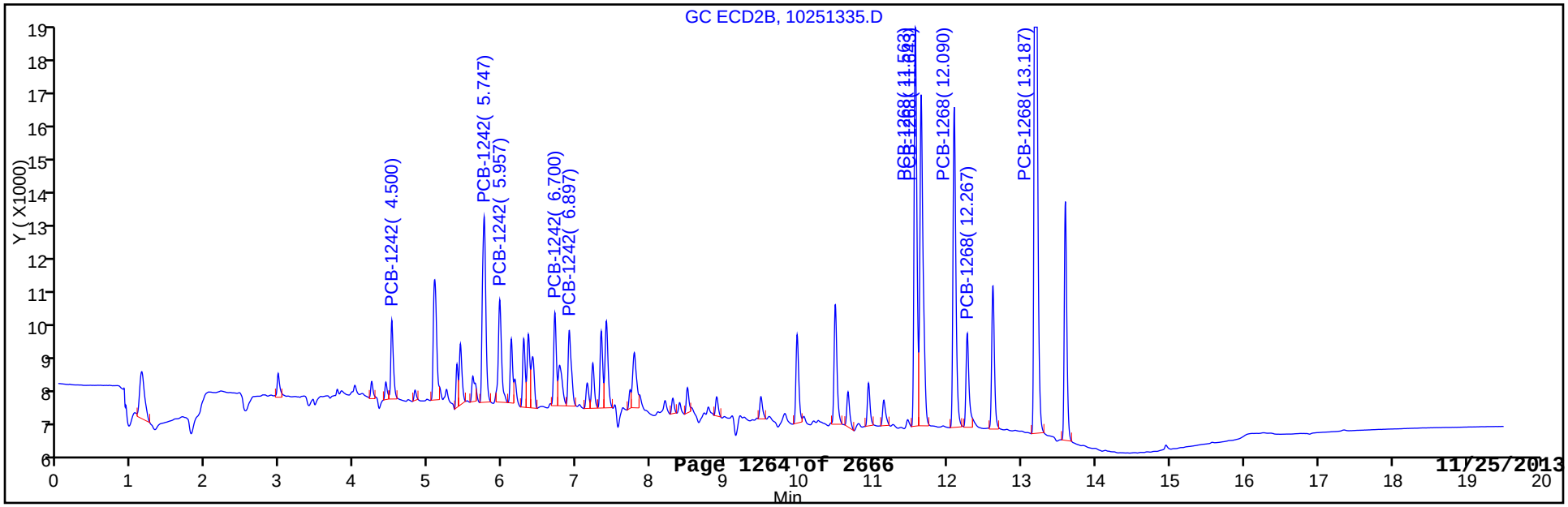
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Injection Date:	26-Oct-2013 04:04:30	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	35
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		184508		0.280	0.250	12.0	20.0
PCB-1248 Peak 2	Lin1		407564		0.270	0.250	8.1	20.0
PCB-1248 Peak 3	Lin1		451120		0.267	0.250	6.8	20.0
PCB-1248 Peak 4	Lin1		208104		0.271	0.250	8.3	20.0
PCB-1248 Peak 5	Lin1		229860		0.262	0.250	5.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.05	5.01	5.09
PCB-1248 Peak 2	5.76	5.72	5.80
PCB-1248 Peak 3	6.63	6.59	6.67
PCB-1248 Peak 4	7.18	7.14	7.22
PCB-1248 Peak 5	8.38	8.34	8.42

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 04:27:44 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 36
Lims Batch ID: 197868 Lims Sample ID: 36
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:46:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									M
1	1	5.050	5.050	0.000	46127	280.0		100.0	
1	2	5.757	5.757	0.000	101891	270.1	186.9- 266.9	220.9	M
1	3	6.630	6.630	0.000	112780	267.1	209.5- 289.5	244.5	M
1	4	7.180	7.180	0.000	52026	270.7	74.7- 154.7	112.8	M
1	5	8.377	8.377	0.000	57465	262.4	90.2- 170.2	124.6	M
			Average of Peak Amounts =			270.1			
2	6	5.073	5.073	0.000	38615	281.1		100.0	
2	7	5.743	5.747	-0.004	82075	271.4	177.5- 257.5	212.5	
2	8	6.893	6.893	0.000	74890	283.2	151.9- 231.9	193.9	
2	9	7.320	7.320	0.000	70294	276.5	145.1- 225.1	182.0	M
2	10	7.390	7.390	0.000	90316	286.2	189.2- 269.2	233.9	M
			Average of Peak Amounts =			279.7			
						RPD = 3.51			

QC Flag Legend

Review Flags
M - Manually Integrated

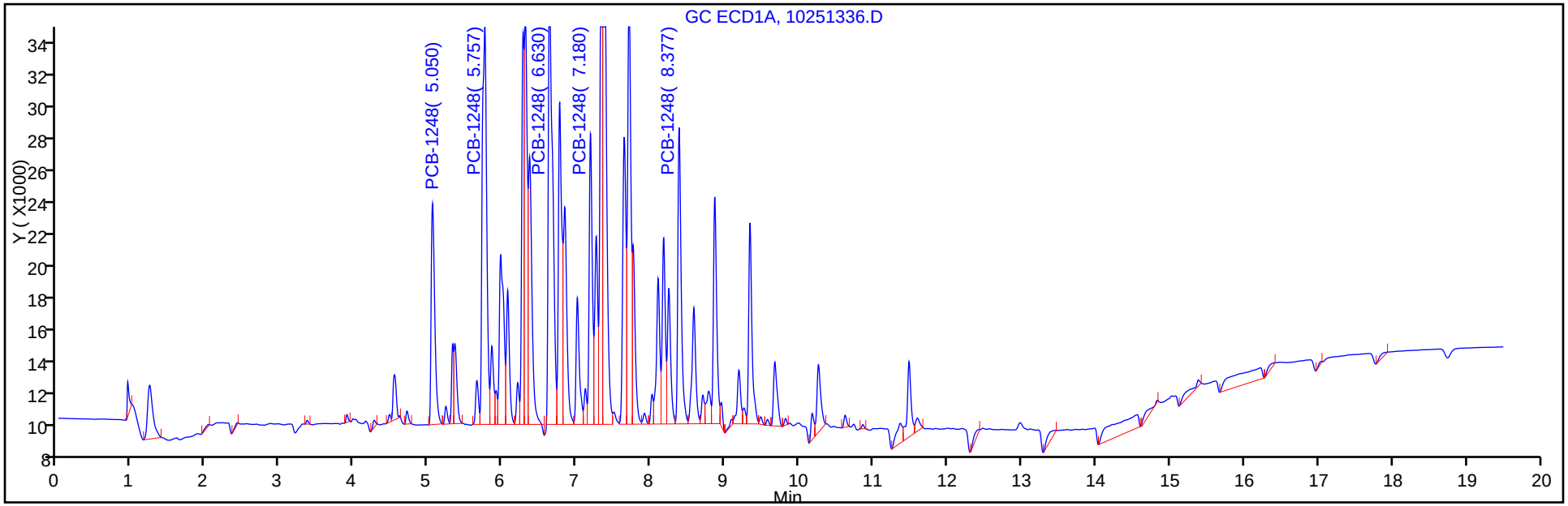
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TestAmerica Denver

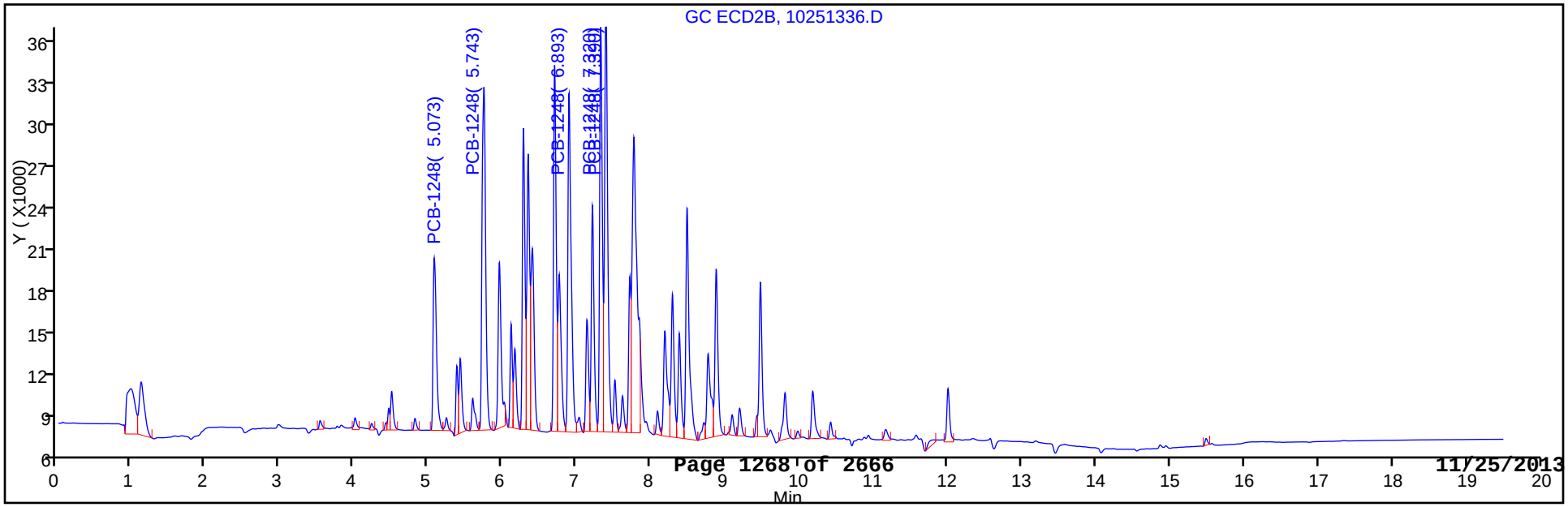
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Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



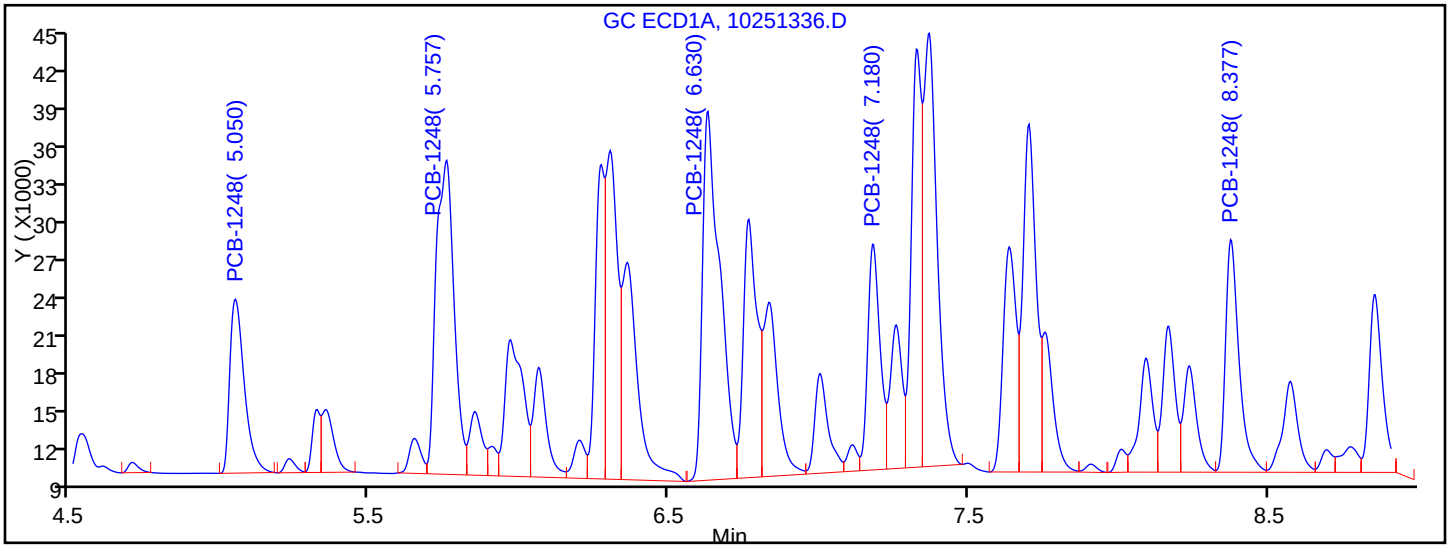
Report Date: 29-Oct-2013 12:13:00 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D

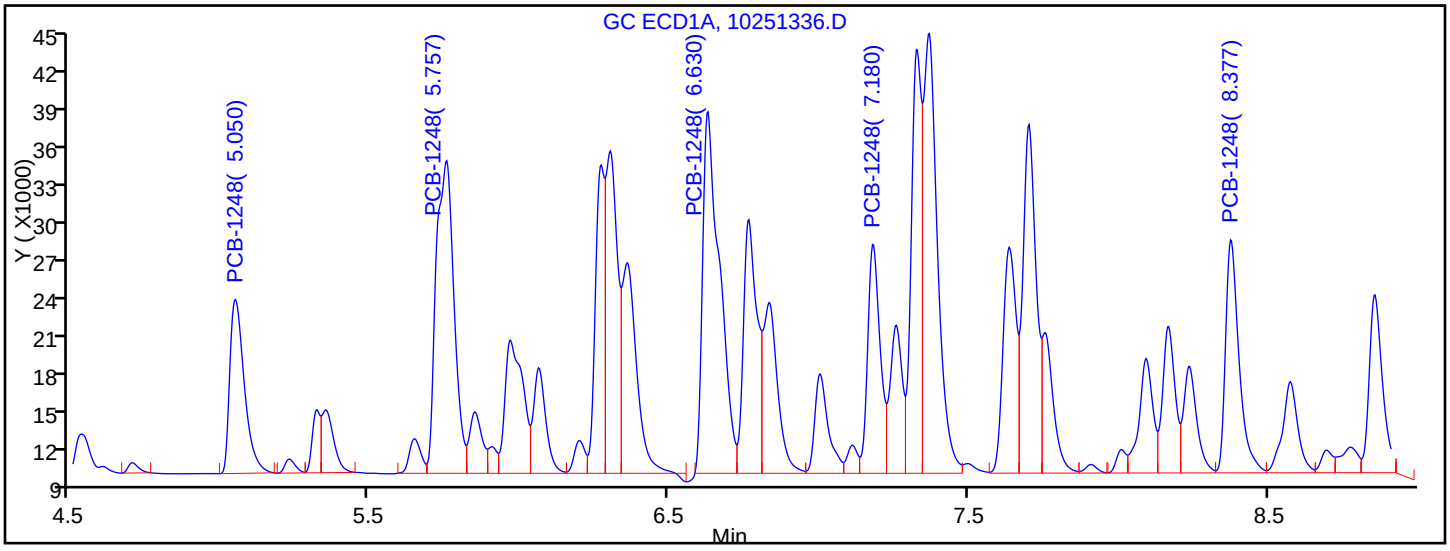
Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

6 PCB-1248, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.050	Response = 46127	
RT = 5.757	Response = 102755	M
RT = 6.630	Response = 117468	M
RT = 7.180	Response = 50733	M
RT = 8.377	Response = 57241	M



Manual Integration Results

RT = 5.050	Response = 46127	
RT = 5.757	Response = 101891	M
RT = 6.630	Response = 112780	M
RT = 7.180	Response = 52026	M
RT = 8.377	Response = 57465	M

Reviewer: jacksonto, 29-Oct-2013 12:11:28

Audit Action: Assigned New Baseline

Audit Reason: Instrument noise

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1248 Peak 1	Lin1		154460		0.281	0.250	12.5	20.0
PCB-1248 Peak 2	Lin1		328300		0.271	0.250	8.6	20.0
PCB-1248 Peak 3	Lin1		299560		0.283	0.250	13.3	20.0
PCB-1248 Peak 4	Lin1		281176		0.277	0.250	10.6	20.0
PCB-1248 Peak 5	Lin1		361264		0.286	0.250	14.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/36 Calibration Date: 10/26/2013 04:27

Instrument ID: SGC_W Calib Start Date: 10/25/2013 14:57

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 17:16

Lab File ID: 10251336.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1248 Peak 1	5.07	5.03	5.11
PCB-1248 Peak 2	5.74	5.71	5.79
PCB-1248 Peak 3	6.89	6.85	6.93
PCB-1248 Peak 4	7.32	7.28	7.36
PCB-1248 Peak 5	7.39	7.35	7.43

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D		
Lims ID:	ICV	Client ID:	
Inject. Date:	26-Oct-2013 04:27:44	Dil. Factor:	1.0000
Sample Type:	ICV		
Sample ID:	ICV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	36
Lims Batch ID:	197868	Lims Sample ID:	36
Sublist:			
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m		
Last Update:	29-Oct-2013 12:12:47	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK050		

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:46:43

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
6 PCB-1248									M
1	1	5.050	5.050	0.000	46127	280.0		100.0	
1	2	5.757	5.757	0.000	101891	270.1	186.9- 266.9	220.9	M
1	3	6.630	6.630	0.000	112780	267.1	209.5- 289.5	244.5	M
1	4	7.180	7.180	0.000	52026	270.7	74.7- 154.7	112.8	M
1	5	8.377	8.377	0.000	57465	262.4	90.2- 170.2	124.6	M
			Average of Peak Amounts =			270.1			
2	6	5.073	5.073	0.000	38615	281.1		100.0	
2	7	5.743	5.747	-0.004	82075	271.4	177.5- 257.5	212.5	
2	8	6.893	6.893	0.000	74890	283.2	151.9- 231.9	193.9	
2	9	7.320	7.320	0.000	70294	276.5	145.1- 225.1	182.0	M
2	10	7.390	7.390	0.000	90316	286.2	189.2- 269.2	233.9	M
			Average of Peak Amounts =			279.7			
						RPD = 3.51			

QC Flag Legend

Review Flags
M - Manually Integrated

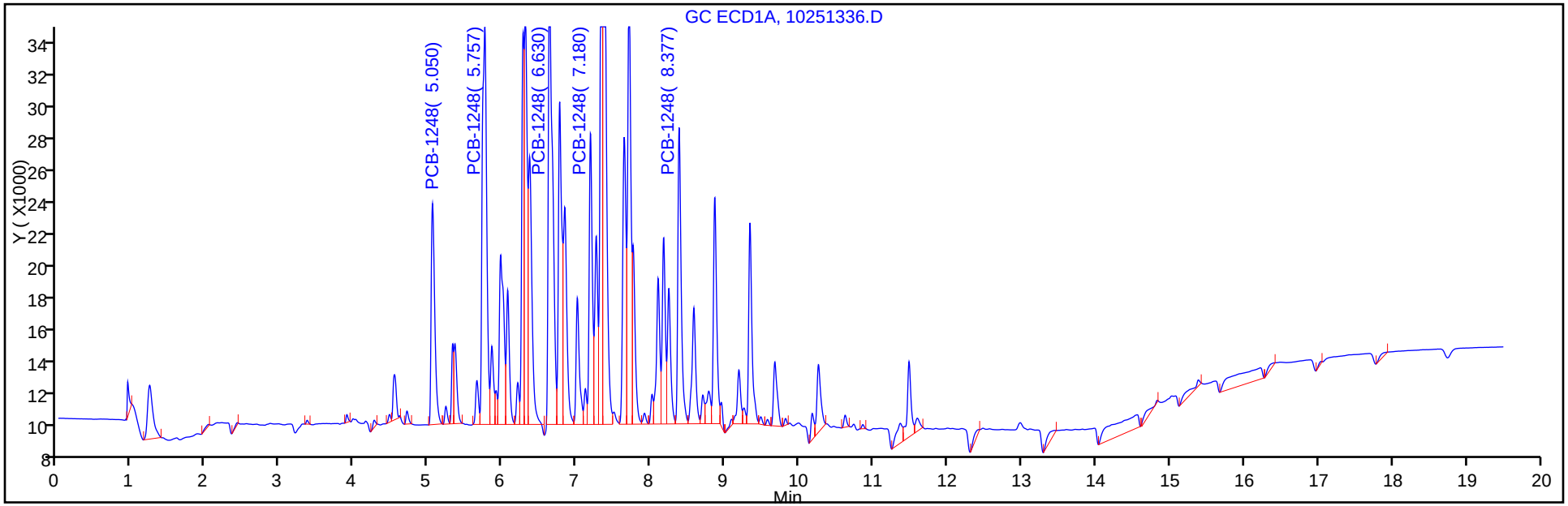
Report Date: 29-Oct-2013 12:13:00 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

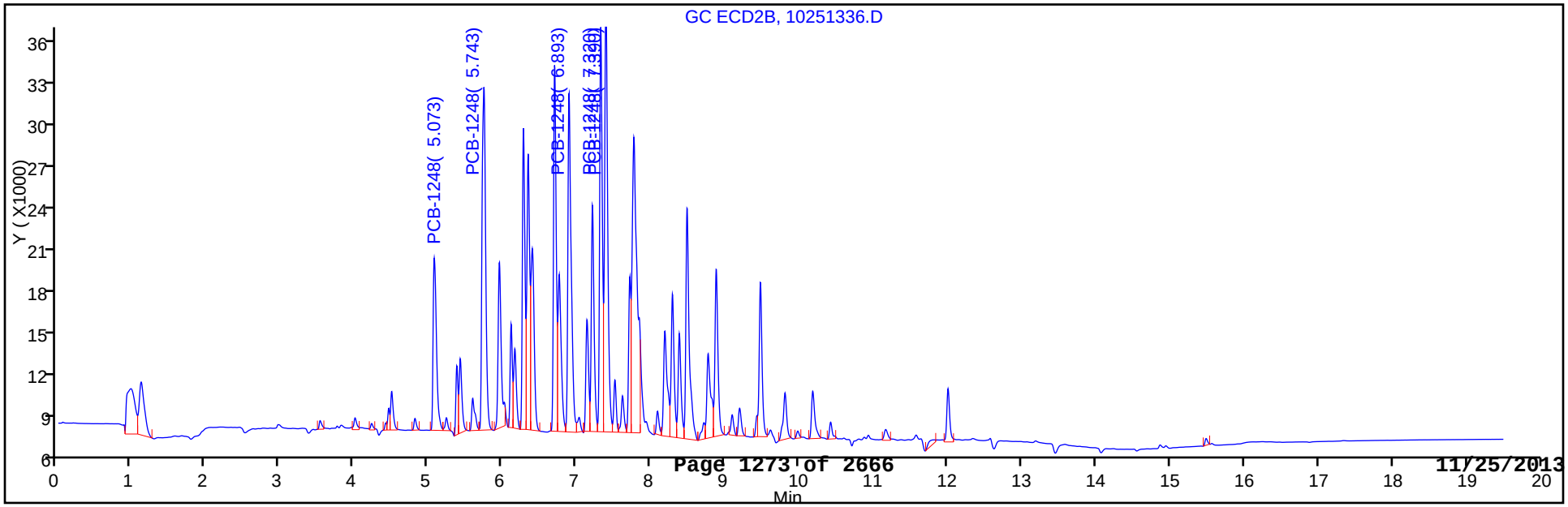
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Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



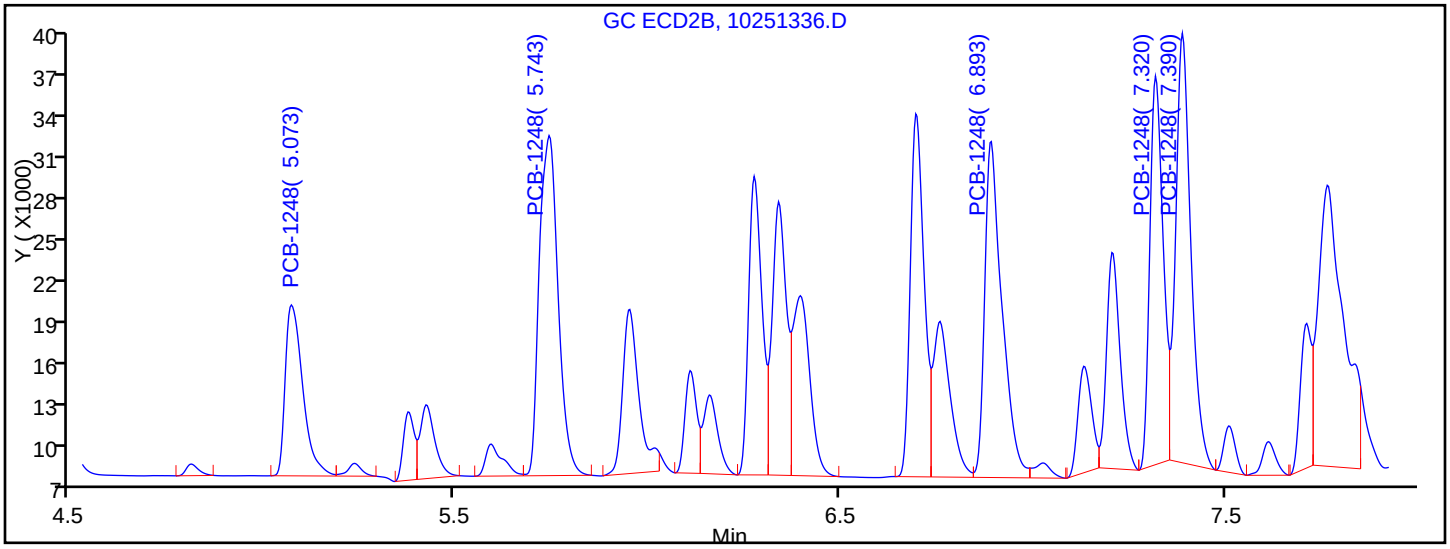
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251336.D

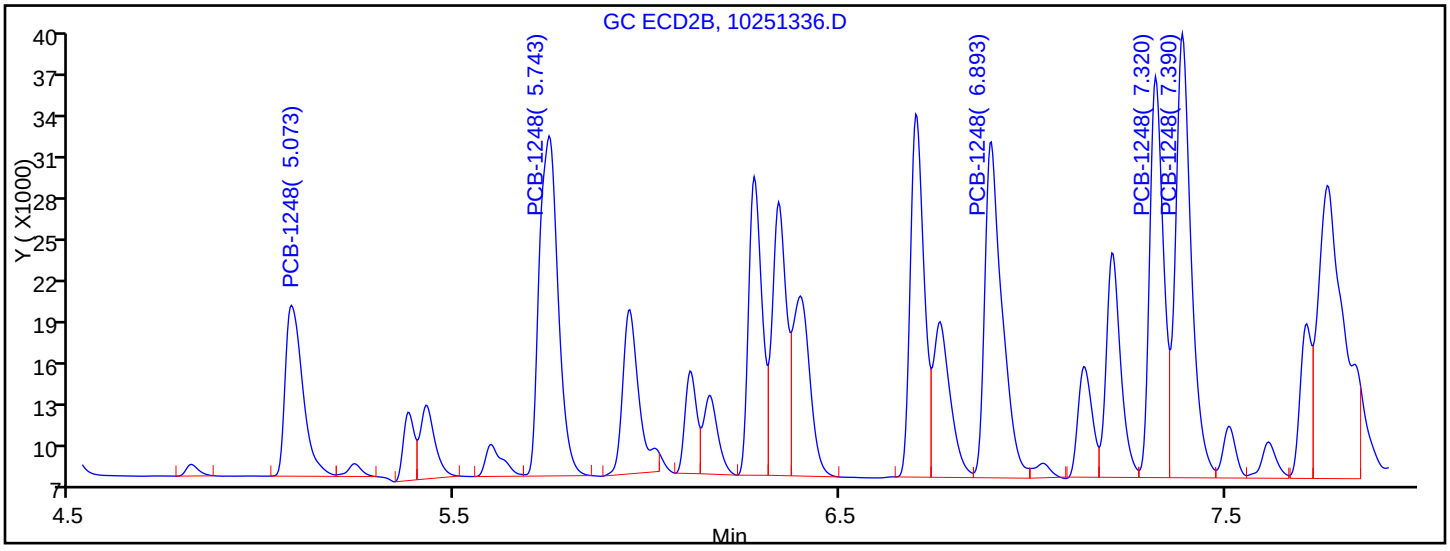
Injection Date:	26-Oct-2013 04:27:44	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	36
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

6 PCB-1248, Detector: 2, GC ECD2B



Processing Integration Results

RT = 5.073	Response = 38615	
RT = 5.743	Response = 82075	
RT = 6.893	Response = 74890	
RT = 7.320	Response = 66149	M
RT = 7.390	Response = 83952	M



Manual Integration Results

RT = 5.073	Response = 38615	
RT = 5.743	Response = 82075	
RT = 6.893	Response = 74890	
RT = 7.320	Response = 70294	M
RT = 7.390	Response = 90316	M

Reviewer: jacksonto, 29-Oct-2013 12:11:28

Audit Action: Assigned New Baseline

Audit Reason: Instrument noise

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		120124		0.259	0.250	3.6	20.0
PCB-1221 Peak 2	Lin1		67148		0.261	0.250	4.3	20.0
PCB-1221 Peak 3	Lin1		280736		0.268	0.250	7.2	20.0
PCB-1254 Peak 1	Lin1		331492		0.260	0.250	4.0	20.0
PCB-1254 Peak 2	Lin1		354264		0.255	0.250	1.9	20.0
PCB-1254 Peak 3	Lin1		600932		0.252	0.250	0.8	20.0
PCB-1254 Peak 4	Lin1		477480		0.261	0.250	4.4	20.0
PCB-1254 Peak 5	Lin1		631568		0.258	0.250	3.2	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.26	4.22	4.30
PCB-1221 Peak 2	4.47	4.43	4.51
PCB-1221 Peak 3	4.53	4.49	4.57
PCB-1254 Peak 1	7.26	7.22	7.30
PCB-1254 Peak 2	8.17	8.12	8.20
PCB-1254 Peak 3	8.38	8.33	8.41
PCB-1254 Peak 4	9.18	9.14	9.22
PCB-1254 Peak 5	9.67	9.62	9.70

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 04:51:08 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 197868 Lims Sample ID: 37
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									M
1	1	4.263	4.260	0.003	30031	258.9		100.0	
1	2	4.473	4.470	0.003	16787	260.8	16.6- 96.6	55.9	
1	3	4.530	4.527	0.003	70184	268.0	188.7- 268.7	233.7	
			Average of Peak Amounts =			262.5			
2	4	4.227	4.230	-0.003	24377	249.8		100.0	M
2	5	4.420	4.420	0.000	14770	226.1	26.3- 106.3	60.6	M
2	6	4.500	4.500	0.000	52061	244.6	176.2- 256.2	213.6	M
			Average of Peak Amounts =			240.2			
						RPD = 8.89			
7 PCB-1254									M
1	1	7.260	7.260	0.000	82873	260.0		100.0	
1	2	8.167	8.163	0.004	88566	254.7	67.8- 147.8	106.9	M
1	3	8.377	8.373	0.004	150233	251.9	138.1- 218.1	181.3	M
1	4	9.183	9.180	0.003	119370	261.0	101.4- 181.4	144.0	M
1	5	9.667	9.663	0.004	157892	257.9	149.4- 229.4	190.5	
			Average of Peak Amounts =			257.1			
2	6	7.387	7.387	0.000	80637	265.1		100.0	
2	7	7.710	7.710	0.000	88910	270.4	67.8- 147.8	110.3	
2	8	8.483	8.483	0.000	123834	262.8	114.5- 194.5	153.6	
2	9	9.190	9.190	0.000	56407	275.0	27.0- 107.0	70.0	
2	10	9.803	9.807	-0.004	117038	274.2	98.9- 178.9	145.1	
			Average of Peak Amounts =			269.5			
						RPD = 4.71			

QC Flag Legend

Review Flags
M - Manually Integrated

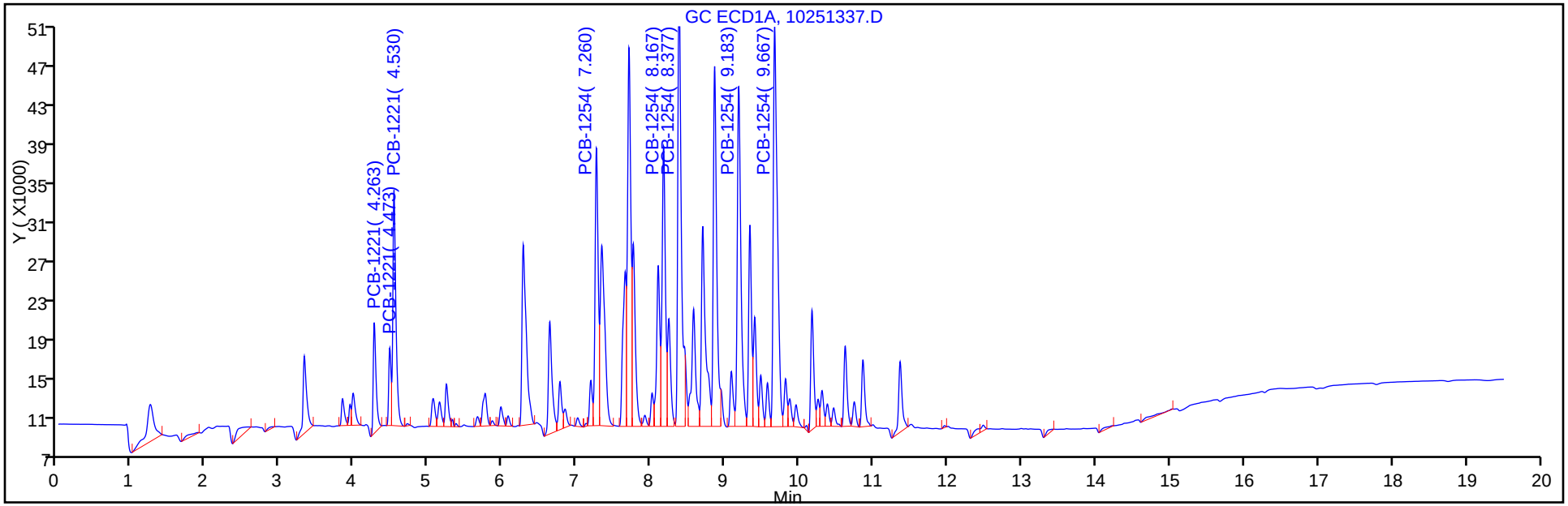
Report Date: 29-Oct-2013 12:12:57 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

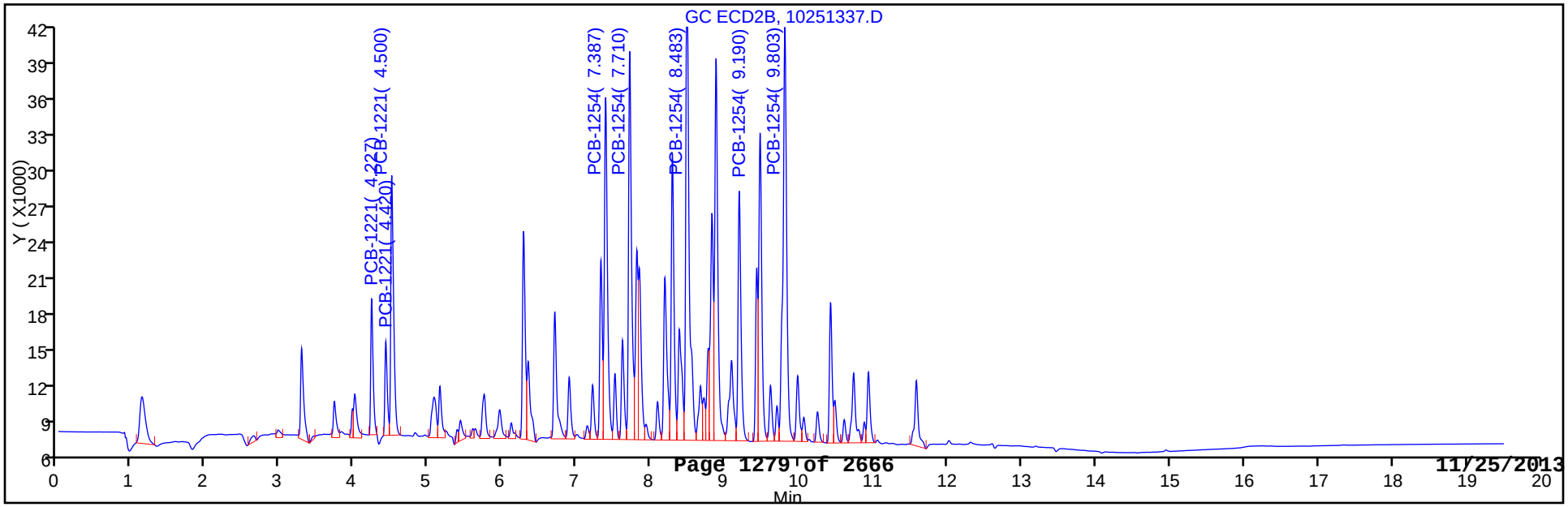
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



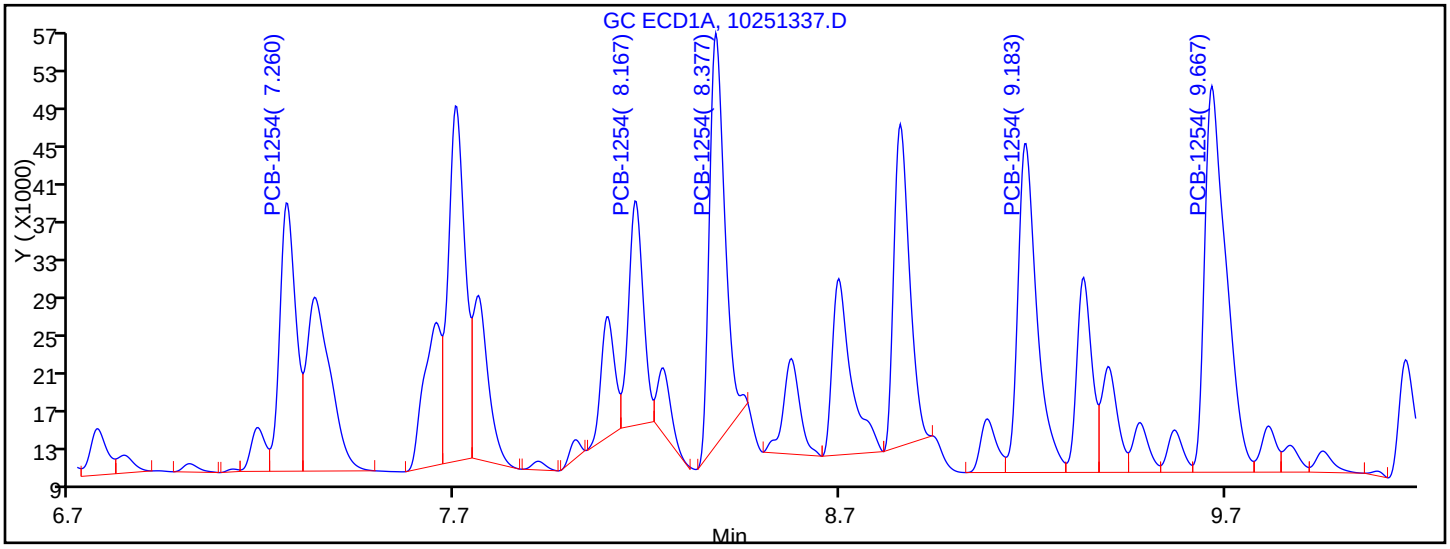
Report Date: 29-Oct-2013 12:12:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

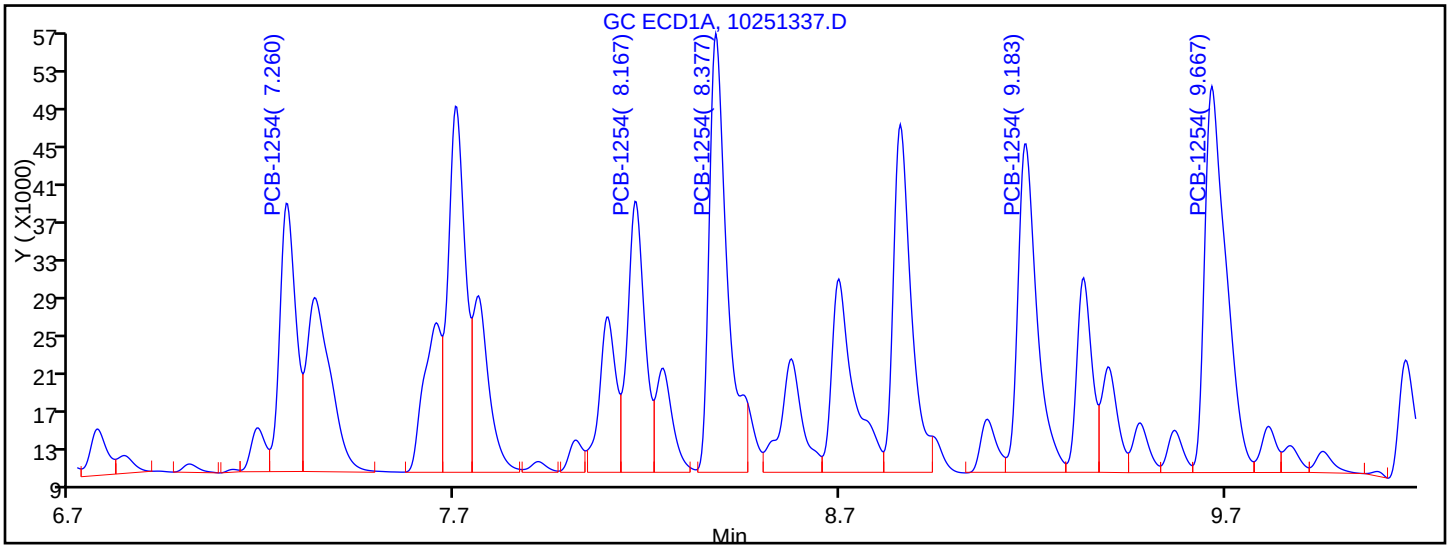
Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

7 PCB-1254, Detector: 1, GC ECD1A



Processing Integration Results

RT = 7.260	Response = 82873	
RT = 8.167	Response = 62772	M
RT = 8.377	Response = 120799	M
RT = 9.183	Response = 119882	M
RT = 9.667	Response = 157892	



Manual Integration Results

RT = 7.260	Response = 82873	
RT = 8.167	Response = 88566	M
RT = 8.377	Response = 150233	M
RT = 9.183	Response = 119370	M
RT = 9.667	Response = 157892	

Reviewer: jacksonto, 26-Oct-2013 10:42:01

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1221 Peak 1	Lin1		97508		0.250	0.250	-0.0	20.0
PCB-1221 Peak 2	Lin1		59080		0.226	0.250	-9.6	20.0
PCB-1221 Peak 3	Lin1		208244		0.245	0.250	-2.1	20.0
PCB-1254 Peak 1	Lin1		322548		0.265	0.250	6.0	20.0
PCB-1254 Peak 2	Lin1		355640		0.270	0.250	8.2	20.0
PCB-1254 Peak 3	Lin1		495336		0.263	0.250	5.1	20.0
PCB-1254 Peak 4	Lin1		225628		0.275	0.250	10.0	20.0
PCB-1254 Peak 5	Lin1		468152		0.274	0.250	9.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/37 Calibration Date: 10/26/2013 04:51

Instrument ID: SGC_W Calib Start Date: 10/25/2013 17:39

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 19:57

Lab File ID: 10251337.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1221 Peak 1	4.23	4.19	4.27
PCB-1221 Peak 2	4.42	4.38	4.46
PCB-1221 Peak 3	4.50	4.46	4.54
PCB-1254 Peak 1	7.39	7.35	7.43
PCB-1254 Peak 2	7.71	7.67	7.75
PCB-1254 Peak 3	8.48	8.44	8.52
PCB-1254 Peak 4	9.19	9.15	9.23
PCB-1254 Peak 5	9.80	9.77	9.85

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 04:51:08 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 37
Lims Batch ID: 197868 Lims Sample ID: 37
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:01

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
2 PCB-1221									M
1	1	4.263	4.260	0.003	30031	258.9		100.0	
1	2	4.473	4.470	0.003	16787	260.8	16.6- 96.6	55.9	
1	3	4.530	4.527	0.003	70184	268.0	188.7- 268.7	233.7	
			Average of Peak Amounts =			262.5			
2	4	4.227	4.230	-0.003	24377	249.8		100.0	M
2	5	4.420	4.420	0.000	14770	226.1	26.3- 106.3	60.6	M
2	6	4.500	4.500	0.000	52061	244.6	176.2- 256.2	213.6	M
			Average of Peak Amounts =			240.2			
						RPD = 8.89			
7 PCB-1254									M
1	1	7.260	7.260	0.000	82873	260.0		100.0	
1	2	8.167	8.163	0.004	88566	254.7	67.8- 147.8	106.9	M
1	3	8.377	8.373	0.004	150233	251.9	138.1- 218.1	181.3	M
1	4	9.183	9.180	0.003	119370	261.0	101.4- 181.4	144.0	M
1	5	9.667	9.663	0.004	157892	257.9	149.4- 229.4	190.5	
			Average of Peak Amounts =			257.1			
2	6	7.387	7.387	0.000	80637	265.1		100.0	
2	7	7.710	7.710	0.000	88910	270.4	67.8- 147.8	110.3	
2	8	8.483	8.483	0.000	123834	262.8	114.5- 194.5	153.6	
2	9	9.190	9.190	0.000	56407	275.0	27.0- 107.0	70.0	
2	10	9.803	9.807	-0.004	117038	274.2	98.9- 178.9	145.1	
			Average of Peak Amounts =			269.5			
						RPD = 4.71			

QC Flag Legend

Review Flags
M - Manually Integrated

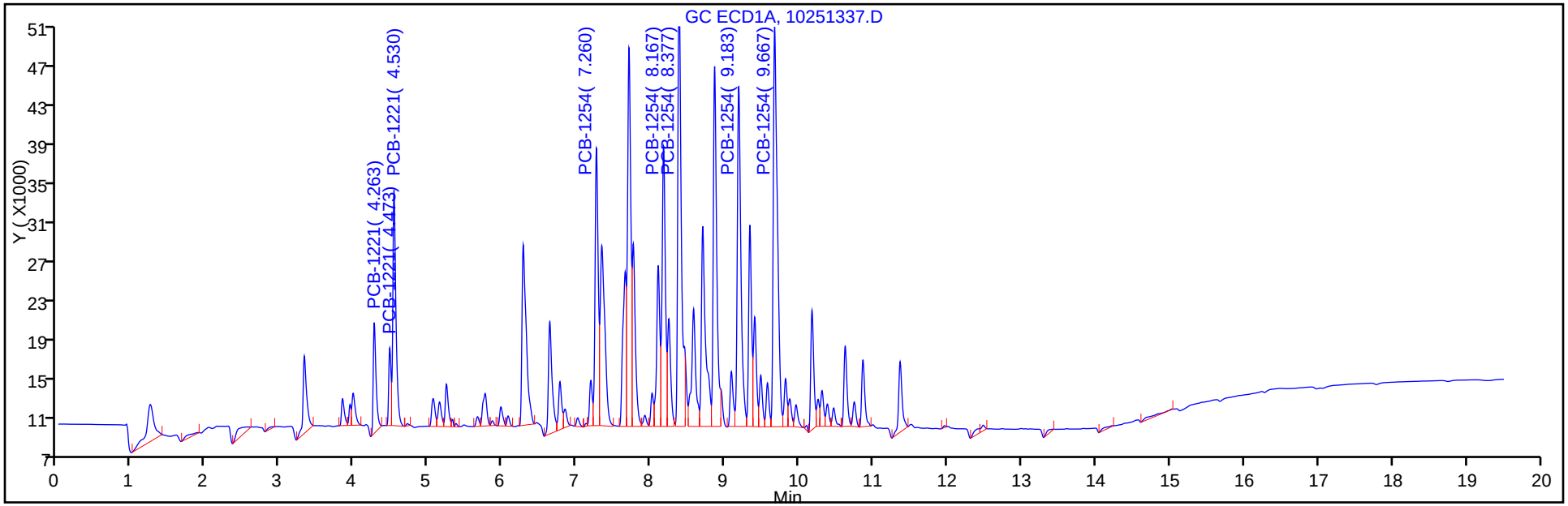
Report Date: 29-Oct-2013 12:12:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

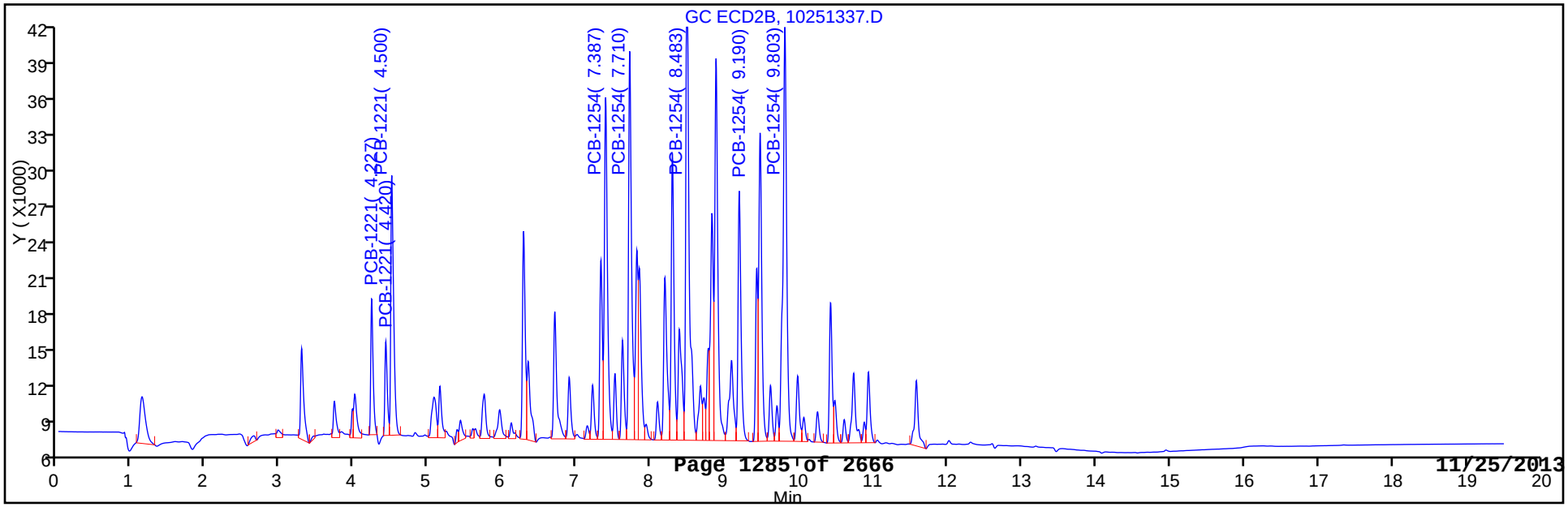
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



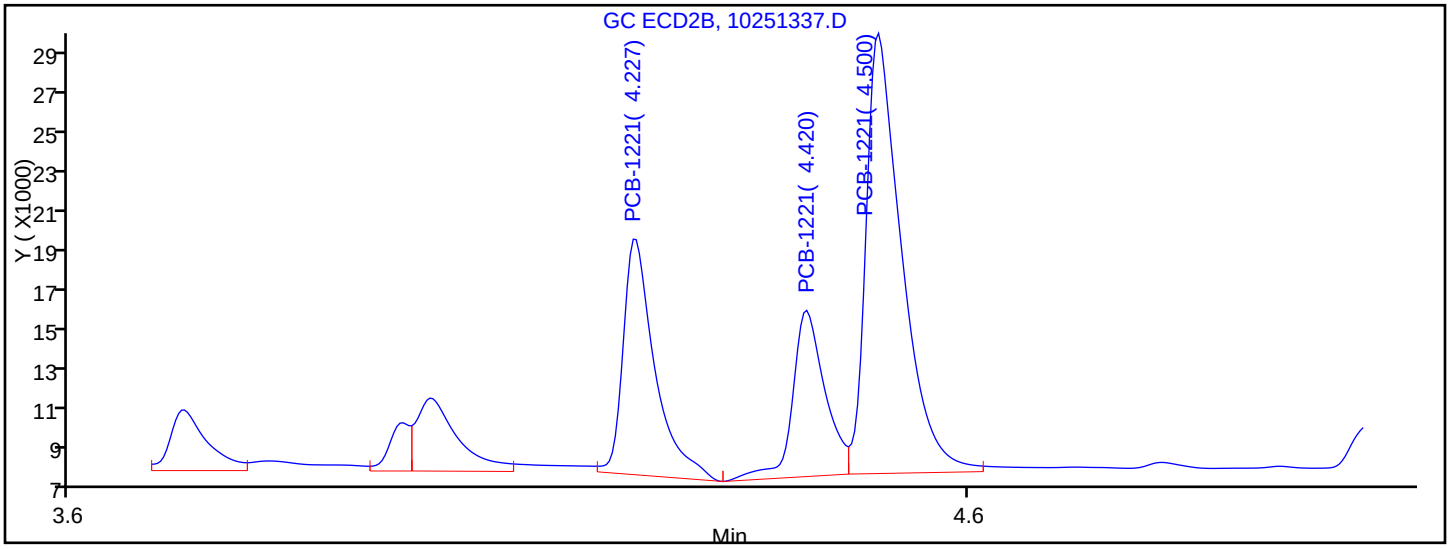
Report Date: 29-Oct-2013 12:12:58 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251337.D

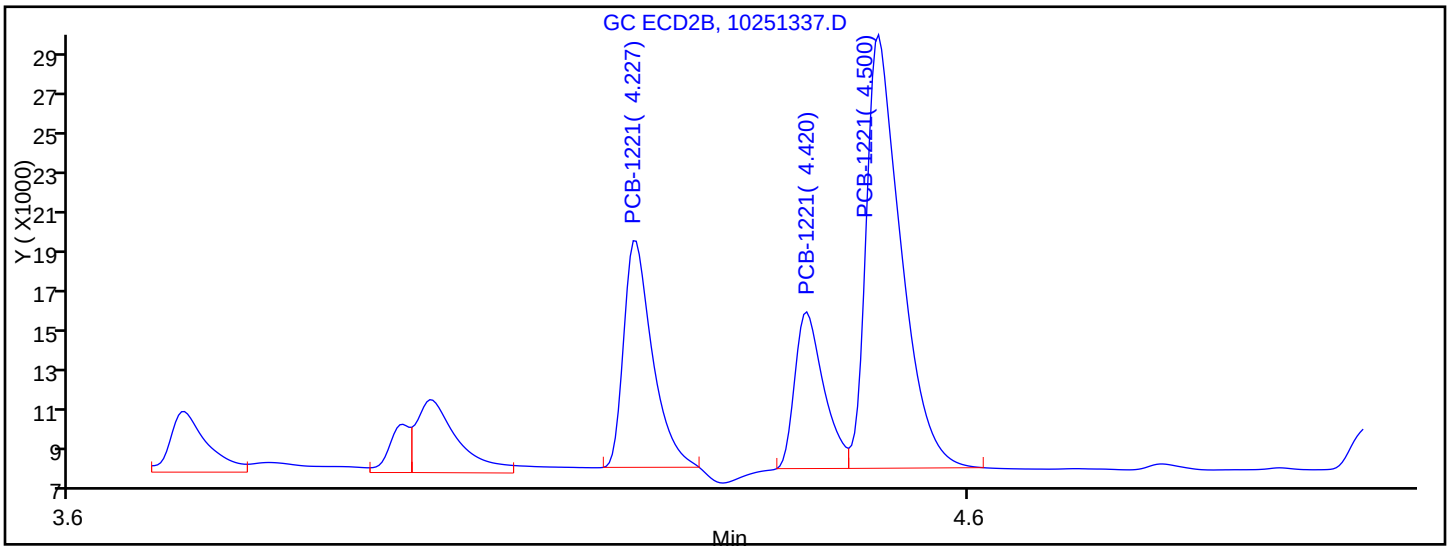
Injection Date:	26-Oct-2013 04:51:08	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	37
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

2 PCB-1221, Detector: 2, GC ECD2B



Processing Integration Results

RT = 4.227	Response = 28040	M
RT = 4.420	Response = 20318	M
RT = 4.500	Response = 59149	M



Manual Integration Results

RT = 4.227	Response = 24377	M
RT = 4.420	Response = 14770	M
RT = 4.500	Response = 52061	M

Reviewer: jacksonto, 26-Oct-2013 10:42:01

Audit Action: Manually Integrated

Audit Reason: Instrument noise

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		424068		0.265	0.250	6.0	20.0
PCB-1016 Peak 2	Lin1		749532		0.255	0.250	2.1	20.0
PCB-1016 Peak 3	Lin1		337052		0.261	0.250	4.2	20.0
PCB-1016 Peak 4	Lin1		212384		0.248	0.250	-0.7	20.0
PCB-1016 Peak 5	Lin1		363088		0.255	0.250	2.0	20.0
PCB-1260 Peak 1	Lin1		516668		0.266	0.250	6.3	20.0
PCB-1260 Peak 2	Lin1		818376		0.260	0.250	4.0	20.0
PCB-1260 Peak 3	Lin1		404960		0.264	0.250	5.8	20.0
PCB-1260 Peak 4	Lin1		894232		0.263	0.250	5.0	20.0
PCB-1260 Peak 5	Lin1		447908		0.246	0.250	-1.6	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.05	5.02	5.10
PCB-1016 Peak 2	5.76	5.72	5.80
PCB-1016 Peak 3	5.97	5.93	6.01
PCB-1016 Peak 4	6.07	6.03	6.11
PCB-1016 Peak 5	6.63	6.59	6.67
PCB-1260 Peak 1	8.69	8.66	8.74
PCB-1260 Peak 2	9.66	9.62	9.70
PCB-1260 Peak 3	10.30	10.26	10.34
PCB-1260 Peak 4	10.85	10.81	10.89
PCB-1260 Peak 5	11.36	11.32	11.40

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:14:19 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 197868 Lims Sample ID: 38
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
5 PCB-1016									M
1	1	5.053	5.057	-0.004	106017	265.1		100.0	
1	2	5.757	5.760	-0.003	187383	255.3	144.0- 224.0	176.7	M
1	3	5.970	5.970	0.000	84263	260.5	42.1- 122.1	79.5	M
1	4	6.067	6.067	0.000	53096	248.2	14.1- 94.1	50.1	M
1	5	6.630	6.633	-0.003	90772	255.1	48.4- 128.4	85.6	M
			Average of Peak Amounts =			256.8			
2	6	4.500	4.500	0.000	40404	258.7		100.0	
2	7	5.077	5.080	-0.003	88262	268.1	168.4- 248.4	218.4	
2	8	5.747	5.750	-0.003	147117	257.7	317.6- 397.6	364.1	
2	9	5.953	5.957	-0.004	70838	260.8	127.5- 207.5	175.3	
2	10	6.277	6.280	-0.003	37995	268.3	47.1- 127.1	94.0	
			Average of Peak Amounts =			262.7			
						RPD = 2.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	129167	265.7		100.0	M
1	2	9.663	9.663	0.000	204594	260.1	125.9- 205.9	158.4	M
1	3	10.303	10.303	0.000	101240	264.4	43.2- 123.2	78.4	M
1	4	10.853	10.853	0.000	223558	262.6	144.8- 224.8	173.1	M
1	5	11.357	11.357	0.000	111977	246.1	54.9- 134.9	86.7	
			Average of Peak Amounts =			259.8			
2	6	8.820	8.823	-0.003	96656	258.4		100.0	
2	7	9.187	9.187	0.000	104129	258.8	67.1- 147.1	107.7	
2	8	9.967	9.967	0.000	66667	257.2	29.7- 109.7	69.0	
2	9	10.480	10.480	0.000	71939	254.7	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	142376	255.1	108.5- 188.5	147.3	
			Average of Peak Amounts =			256.8			
						RPD = 1.14			

QC Flag Legend

Review Flags
M - Manually Integrated

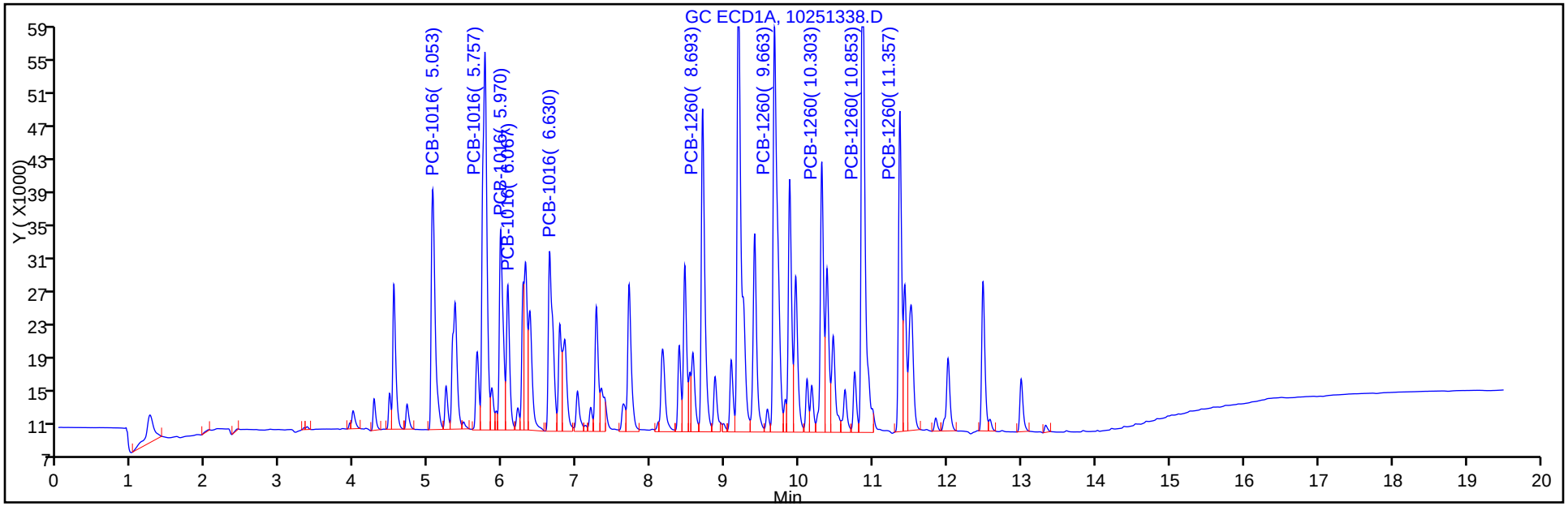
Report Date: 29-Oct-2013 12:12:55 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

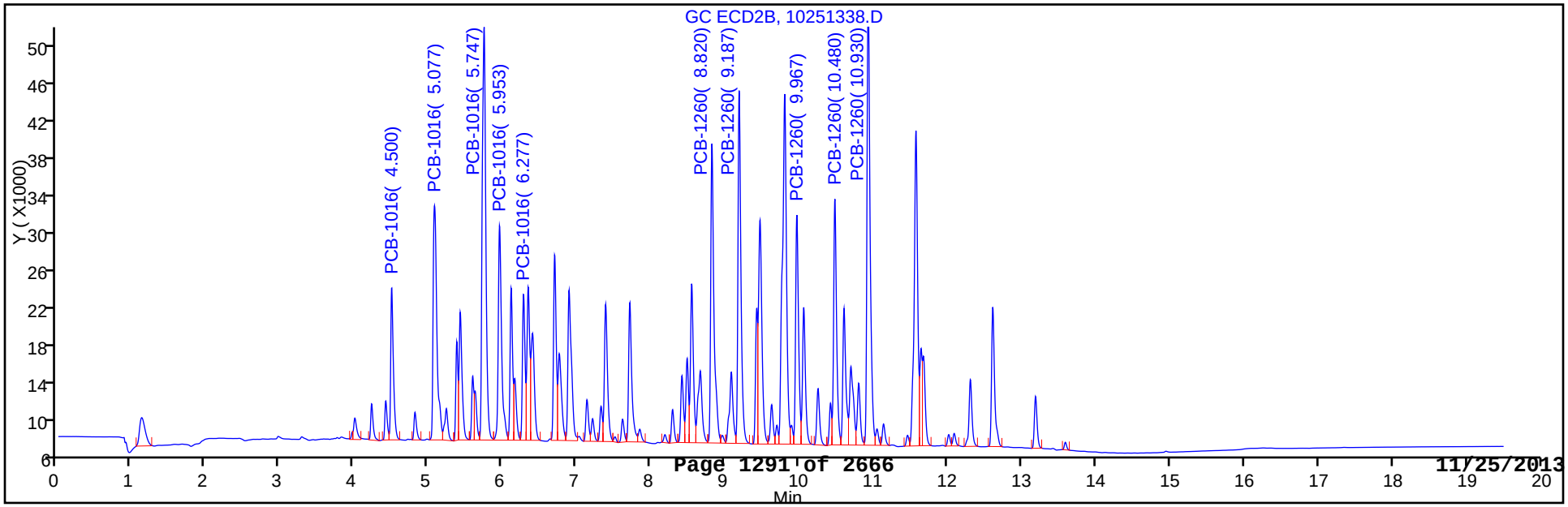
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Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



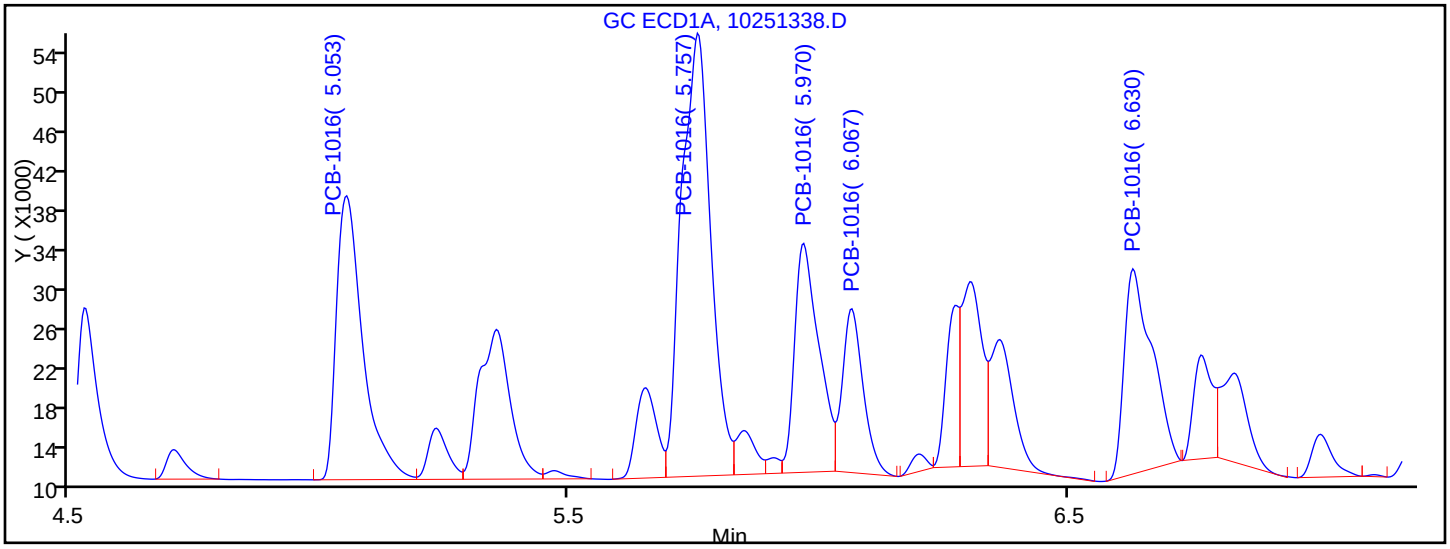
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TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D

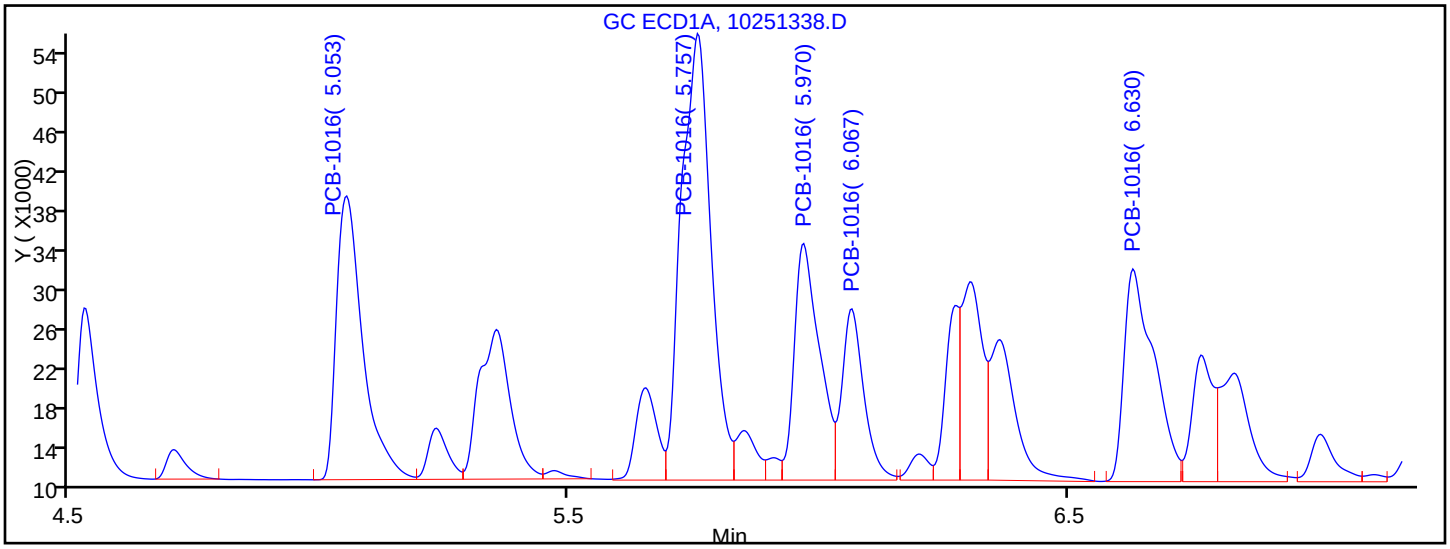
Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

5 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.053	Response = 106017	
RT = 5.757	Response = 184021	M
RT = 5.970	Response = 79089	M
RT = 6.067	Response = 48371	M
RT = 6.630	Response = 81016	M



Manual Integration Results

RT = 5.053	Response = 106017	
RT = 5.757	Response = 187383	M
RT = 5.970	Response = 84263	M
RT = 6.067	Response = 53096	M
RT = 6.630	Response = 90772	M

Reviewer: jacksonto, 26-Oct-2013 10:42:49

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

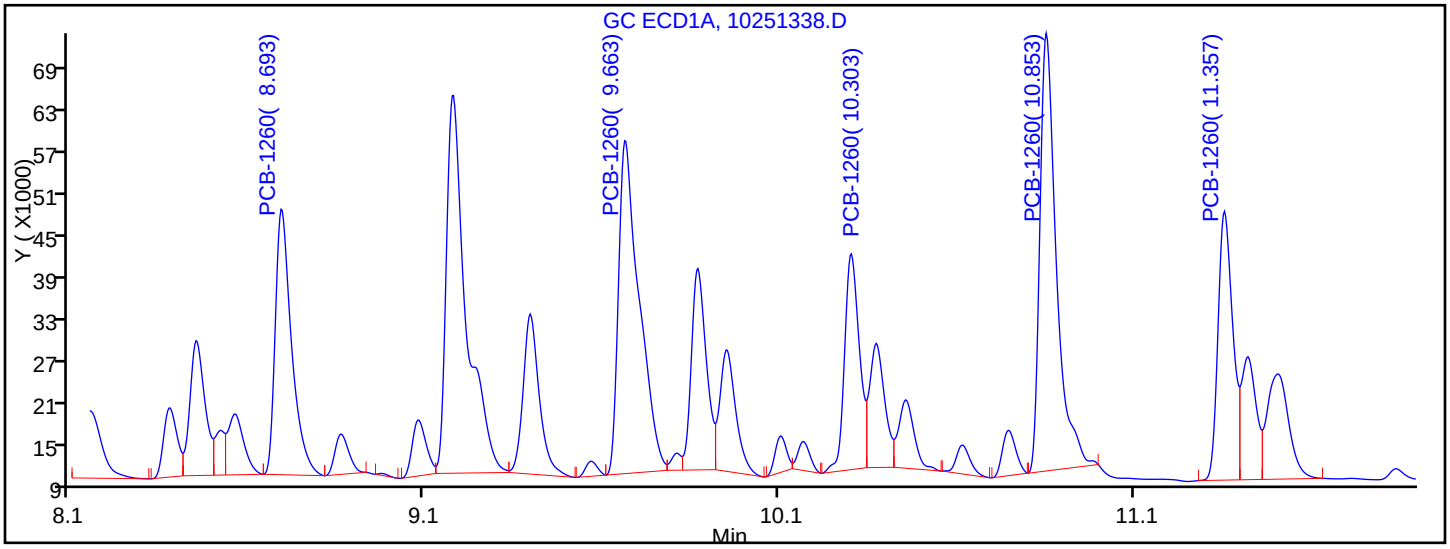
Report Date: 29-Oct-2013 12:12:55 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D

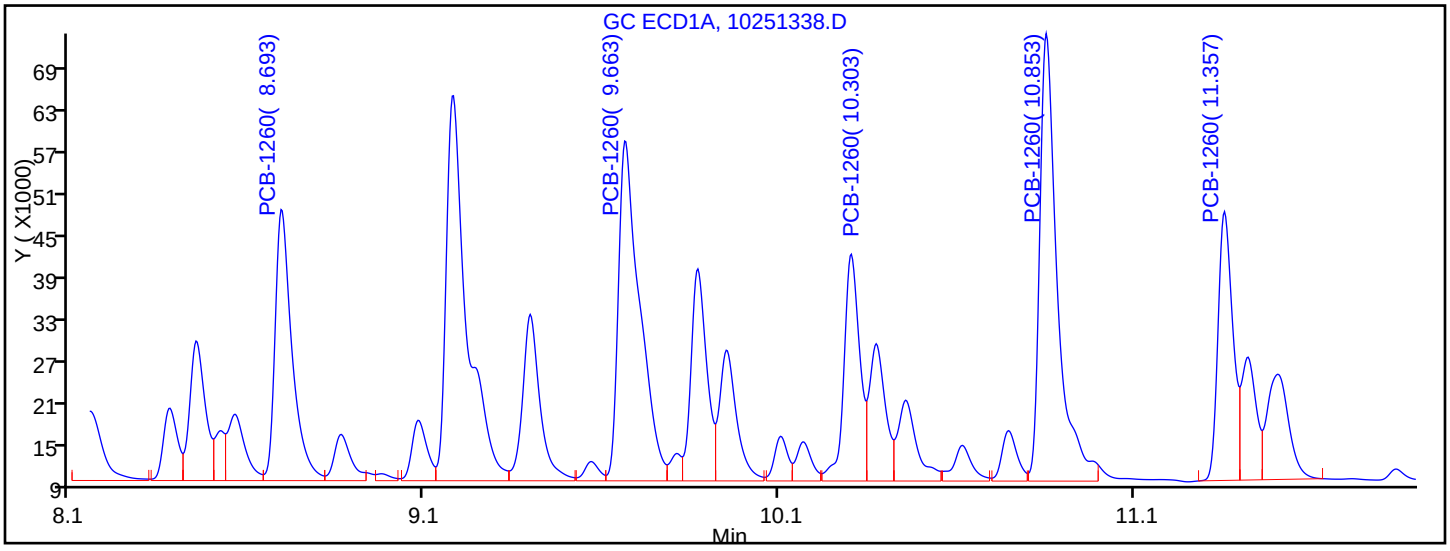
Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

9 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.693	Response = 121310	M
RT = 9.663	Response = 193013	M
RT = 10.303	Response = 90201	M
RT = 10.853	Response = 203439	M
RT = 11.357	Response = 111977	



Manual Integration Results

RT = 8.693	Response = 129167	M
RT = 9.663	Response = 204594	M
RT = 10.303	Response = 101240	M
RT = 10.853	Response = 223558	M
RT = 11.357	Response = 111977	

Reviewer: jacksonto, 26-Oct-2013 10:42:49

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		161616		0.259	0.250	3.5	20.0
PCB-1016 Peak 2	Lin1		353048		0.268	0.250	7.2	20.0
PCB-1016 Peak 3	Lin1		588468		0.258	0.250	3.1	20.0
PCB-1016 Peak 4	Lin1		283352		0.261	0.250	4.3	20.0
PCB-1016 Peak 5	Lin1		151980		0.268	0.250	7.3	20.0
PCB-1260 Peak 1	Lin1		386624		0.258	0.250	3.4	20.0
PCB-1260 Peak 2	Lin1		416516		0.259	0.250	3.5	20.0
PCB-1260 Peak 3	Lin1		266668		0.257	0.250	2.9	20.0
PCB-1260 Peak 4	Lin1		287756		0.255	0.250	1.9	20.0
PCB-1260 Peak 5	Lin1		569504		0.255	0.250	2.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/38 Calibration Date: 10/26/2013 05:14

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 10251338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.50	4.46	4.54
PCB-1016 Peak 2	5.08	5.04	5.12
PCB-1016 Peak 3	5.75	5.71	5.79
PCB-1016 Peak 4	5.95	5.92	6.00
PCB-1016 Peak 5	6.28	6.24	6.32
PCB-1260 Peak 1	8.82	8.78	8.86
PCB-1260 Peak 2	9.19	9.15	9.23
PCB-1260 Peak 3	9.97	9.93	10.01
PCB-1260 Peak 4	10.48	10.44	10.52
PCB-1260 Peak 5	10.93	10.89	10.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:14:19 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 197868 Lims Sample ID: 38
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:42:49

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
5 PCB-1016									M
1	1	5.053	5.057	-0.004	106017	265.1		100.0	
1	2	5.757	5.760	-0.003	187383	255.3	144.0- 224.0	176.7	M
1	3	5.970	5.970	0.000	84263	260.5	42.1- 122.1	79.5	M
1	4	6.067	6.067	0.000	53096	248.2	14.1- 94.1	50.1	M
1	5	6.630	6.633	-0.003	90772	255.1	48.4- 128.4	85.6	M
			Average of Peak Amounts =			256.8			
2	6	4.500	4.500	0.000	40404	258.7		100.0	
2	7	5.077	5.080	-0.003	88262	268.1	168.4- 248.4	218.4	
2	8	5.747	5.750	-0.003	147117	257.7	317.6- 397.6	364.1	
2	9	5.953	5.957	-0.004	70838	260.8	127.5- 207.5	175.3	
2	10	6.277	6.280	-0.003	37995	268.3	47.1- 127.1	94.0	
			Average of Peak Amounts =			262.7			
						RPD = 2.25			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.693	8.697	-0.004	129167	265.7		100.0	M
1	2	9.663	9.663	0.000	204594	260.1	125.9- 205.9	158.4	M
1	3	10.303	10.303	0.000	101240	264.4	43.2- 123.2	78.4	M
1	4	10.853	10.853	0.000	223558	262.6	144.8- 224.8	173.1	M
1	5	11.357	11.357	0.000	111977	246.1	54.9- 134.9	86.7	
			Average of Peak Amounts =			259.8			
2	6	8.820	8.823	-0.003	96656	258.4		100.0	
2	7	9.187	9.187	0.000	104129	258.8	67.1- 147.1	107.7	
2	8	9.967	9.967	0.000	66667	257.2	29.7- 109.7	69.0	
2	9	10.480	10.480	0.000	71939	254.7	35.3- 115.3	74.4	
2	10	10.930	10.930	0.000	142376	255.1	108.5- 188.5	147.3	
			Average of Peak Amounts =			256.8			
						RPD = 1.14			

QC Flag Legend

Review Flags
M - Manually Integrated

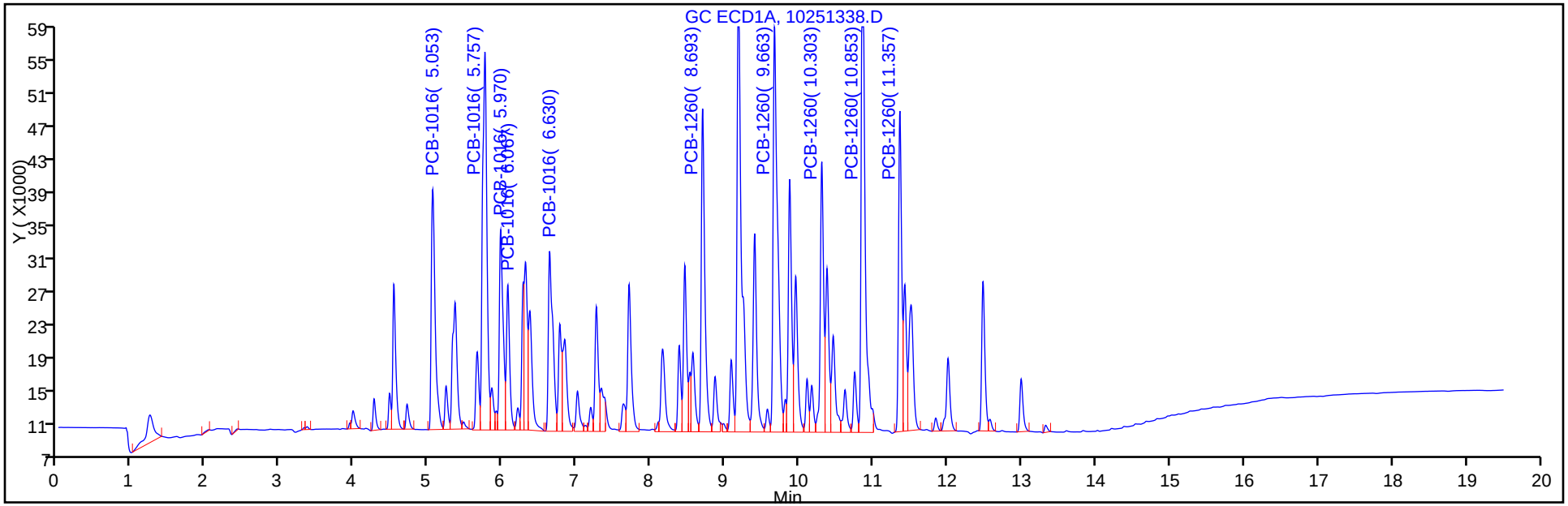
Report Date: 29-Oct-2013 12:12:55 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

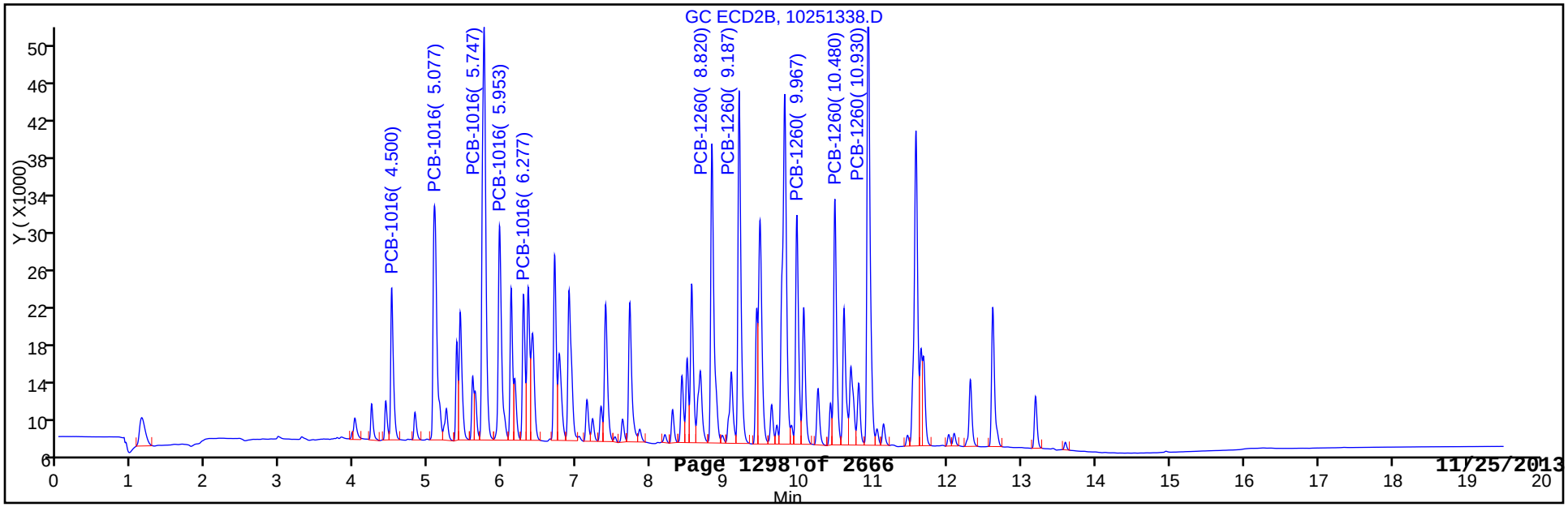
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251338.D

Injection Date:	26-Oct-2013 05:14:19	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		77760		0.232	0.250	-7.3	20.0
PCB-1232 Peak 2	Lin1		232932		0.257	0.250	2.8	20.0
PCB-1232 Peak 3	Lin1		377704		0.262	0.250	4.9	20.0
PCB-1232 Peak 4	Lin1		174424		0.274	0.250	9.7	20.0
PCB-1232 Peak 5	Lin1		191924		0.270	0.250	8.2	20.0
PCB-1262 Peak 1	Lin1		409612		0.259	0.250	3.7	20.0
PCB-1262 Peak 2	Lin1		563772		0.247	0.250	-1.0	20.0
PCB-1262 Peak 3	Lin1		509856		0.250	0.250	0.0	20.0
PCB-1262 Peak 4	Lin1		1134208		0.262	0.250	4.7	20.0
PCB-1262 Peak 5	Lin1		440428		0.255	0.250	2.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.26	4.22	4.30
PCB-1232 Peak 2	4.53	4.49	4.57
PCB-1232 Peak 3	5.76	5.72	5.80
PCB-1232 Peak 4	5.97	5.93	6.01
PCB-1232 Peak 5	6.63	6.59	6.67
PCB-1262 Peak 1	8.70	8.65	8.73
PCB-1262 Peak 2	9.87	9.83	9.91
PCB-1262 Peak 3	10.30	10.26	10.34
PCB-1262 Peak 4	10.85	10.81	10.89
PCB-1262 Peak 5	11.42	11.38	11.46

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:37:42 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 197868 Lims Sample ID: 39
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:43:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									M
1	1	4.263	4.260	0.003	19440	231.7		100.0	
1	2	4.530	4.527	0.003	58233	256.9	237.7- 317.7	299.6	
1	3	5.760	5.760	0.000	94426	262.2	402.9- 482.9	485.7	M
1	4	5.970	5.970	0.000	43606	274.2	157.3- 237.3	224.3	M
1	5	6.633	6.630	0.003	47981	270.4	173.0- 253.0	246.8	
			Average of Peak Amounts =			259.1			
2	6	4.227	4.227	0.000	17398	241.2		100.0	
2	7	4.497	4.497	0.000	47599	257.7	216.5- 296.5	273.6	
2	8	5.747	5.747	0.000	75143	263.4	357.2- 437.2	431.9	
2	9	5.953	5.953	0.000	37431	278.3	148.5- 228.5	215.1	
2	10	6.893	6.893	0.000	30306	295.5	102.6- 182.6	174.2	
			Average of Peak Amounts =			267.2			
						RPD = 3.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.697	8.693	0.004	102403	259.2		100.0	
1	2	9.870	9.867	0.003	140943	247.4	106.2- 186.2	137.6	
1	3	10.300	10.300	0.000	127464	250.1	92.0- 172.0	124.5	
1	4	10.853	10.850	0.003	283552	261.7	243.0- 323.0	276.9	
1	5	11.423	11.420	0.003	110107	255.3	69.9- 149.9	107.5	
			Average of Peak Amounts =			254.7			
2	6	8.820	8.820	0.000	83631	271.8		100.0	
2	7	9.187	9.187	0.000	87279	273.9	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	99836	250.3	90.4- 170.4	119.4	
2	9	10.477	10.477	0.000	94717	251.8	83.7- 163.7	113.3	
2	10	10.927	10.927	0.000	179852	265.9	182.5- 262.5	215.1	
			Average of Peak Amounts =			262.8			
						RPD = 3.10			

QC Flag Legend

Review Flags
M - Manually Integrated

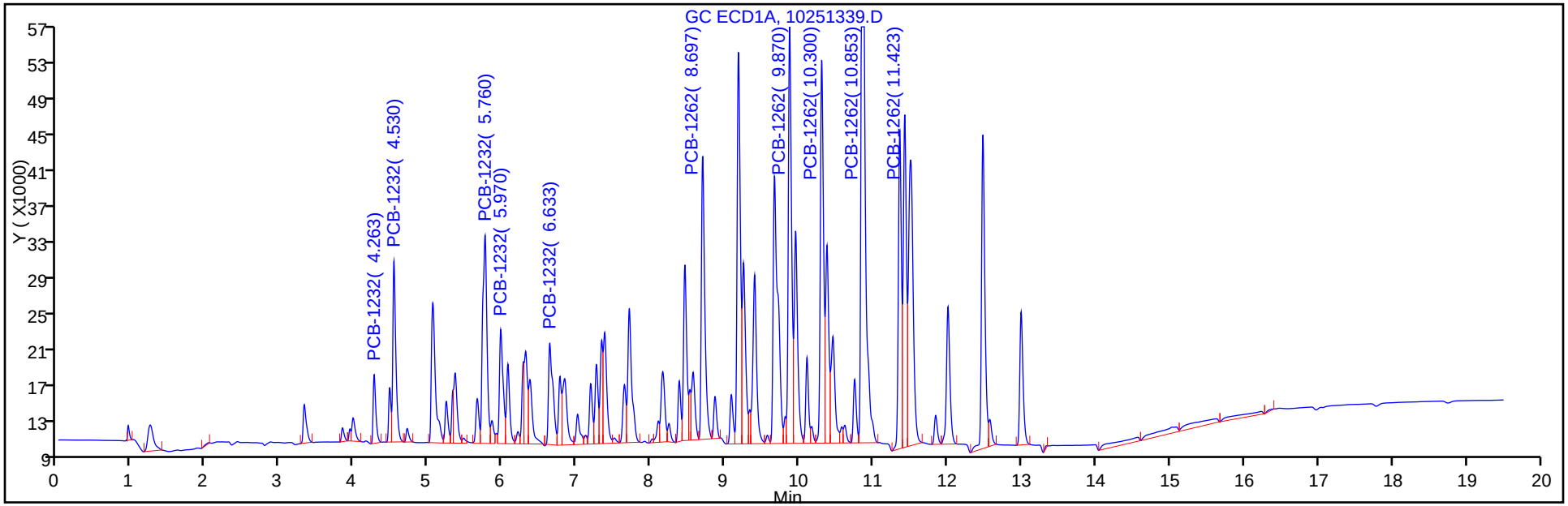
Report Date: 29-Oct-2013 12:12:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

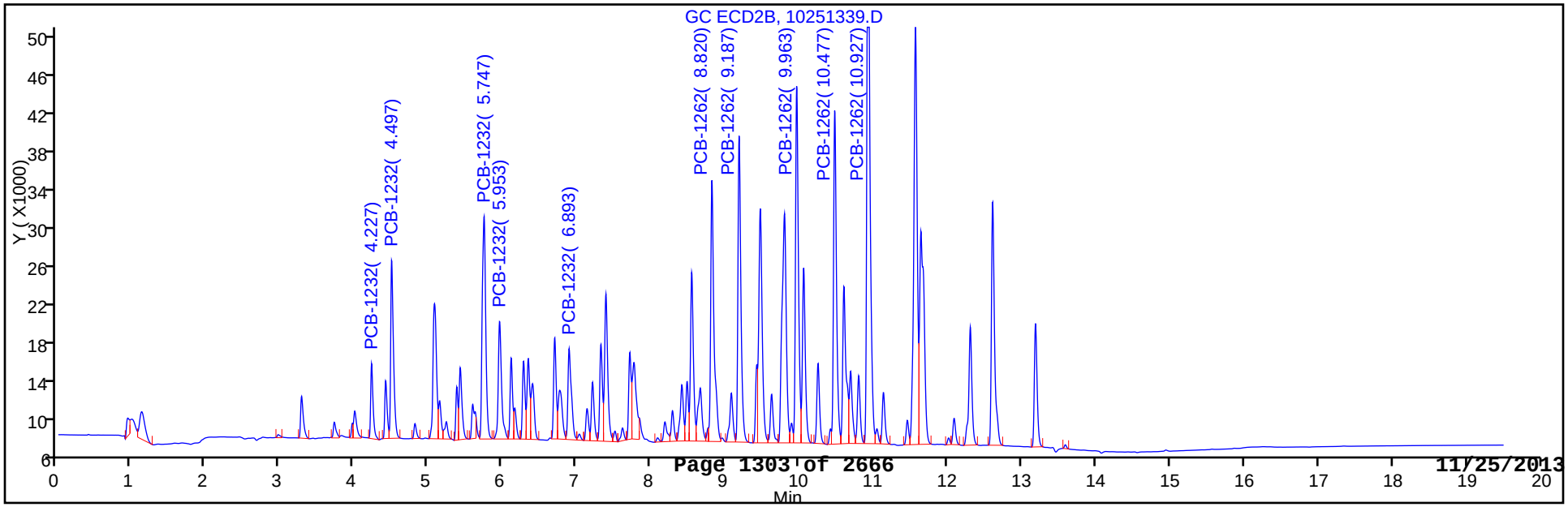
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Injection Date:	26-Oct-2013 05:37:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	39
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



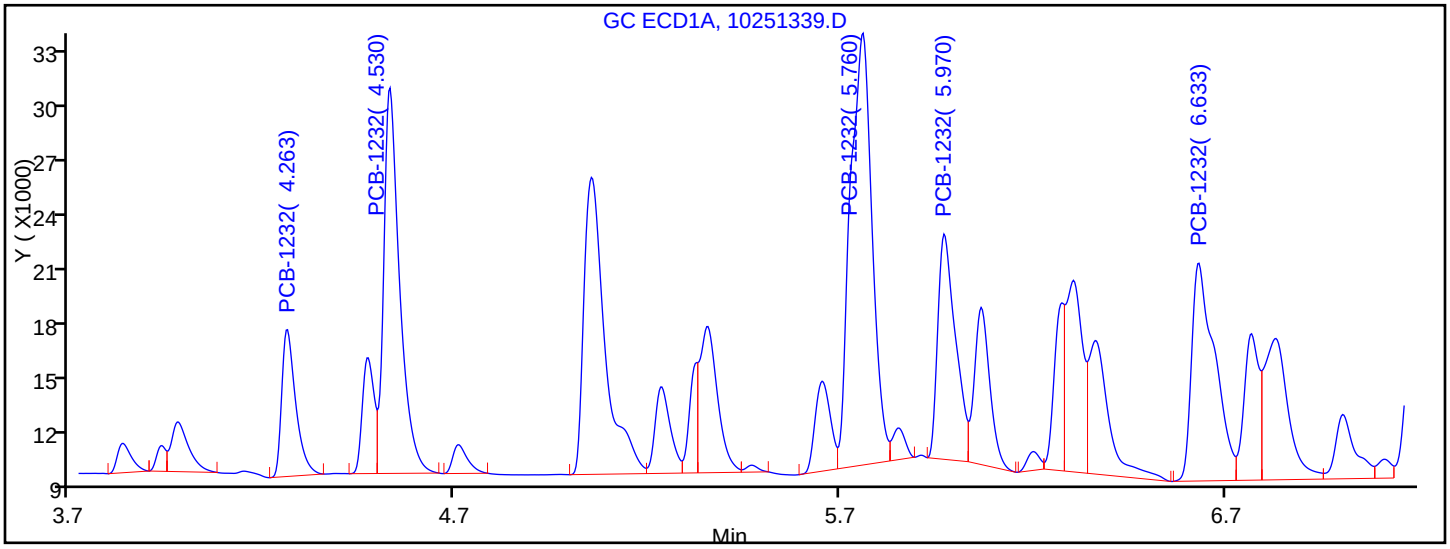
Report Date: 29-Oct-2013 12:12:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D

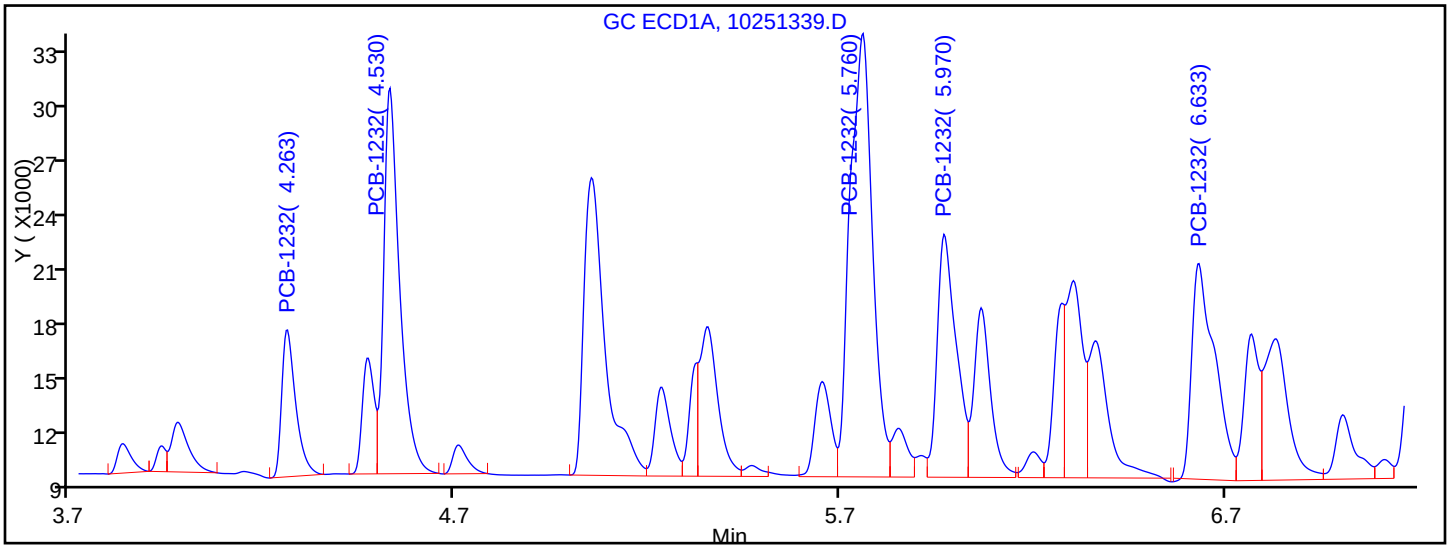
Injection Date:	26-Oct-2013 05:37:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	39
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

3 PCB-1232, Detector: 1, GC ECD1A



Processing Integration Results

RT = 4.263	Response = 19440	
RT = 4.530	Response = 58233	
RT = 5.760	Response = 89411	M
RT = 5.970	Response = 37840	M
RT = 6.633	Response = 47981	



Manual Integration Results

RT = 4.263	Response = 19440	
RT = 4.530	Response = 58233	
RT = 5.760	Response = 94426	M
RT = 5.970	Response = 43606	M
RT = 6.633	Response = 47981	

Reviewer: jacksonto, 26-Oct-2013 10:43:09

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1232 Peak 1	Lin1		69592		0.241	0.250	-3.5	20.0
PCB-1232 Peak 2	Lin1		190396		0.258	0.250	3.1	20.0
PCB-1232 Peak 3	Lin1		300572		0.263	0.250	5.4	20.0
PCB-1232 Peak 4	Lin1		149724		0.278	0.250	11.3	20.0
PCB-1232 Peak 5	Lin1		121224		0.296	0.250	18.2	20.0
PCB-1262 Peak 1	Lin1		334524		0.272	0.250	8.7	20.0
PCB-1262 Peak 2	Lin1		349116		0.274	0.250	9.6	20.0
PCB-1262 Peak 3	Lin1		399344		0.250	0.250	0.1	20.0
PCB-1262 Peak 4	Lin1		378868		0.252	0.250	0.7	20.0
PCB-1262 Peak 5	Lin1		719408		0.266	0.250	6.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/39 Calibration Date: 10/26/2013 05:37

Instrument ID: SGC_W Calib Start Date: 10/25/2013 23:03

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 01:22

Lab File ID: 10251339.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1232 Peak 1	4.23	4.19	4.27
PCB-1232 Peak 2	4.50	4.46	4.54
PCB-1232 Peak 3	5.75	5.71	5.79
PCB-1232 Peak 4	5.95	5.91	5.99
PCB-1232 Peak 5	6.89	6.85	6.93
PCB-1262 Peak 1	8.82	8.78	8.86
PCB-1262 Peak 2	9.19	9.15	9.23
PCB-1262 Peak 3	9.96	9.92	10.00
PCB-1262 Peak 4	10.48	10.44	10.52
PCB-1262 Peak 5	10.93	10.89	10.97

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 05:37:42 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 39
Lims Batch ID: 197868 Lims Sample ID: 39
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 26-Oct-2013 10:43:09

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
3 PCB-1232									M
1	1	4.263	4.260	0.003	19440	231.7		100.0	
1	2	4.530	4.527	0.003	58233	256.9	237.7- 317.7	299.6	
1	3	5.760	5.760	0.000	94426	262.2	402.9- 482.9	485.7	M
1	4	5.970	5.970	0.000	43606	274.2	157.3- 237.3	224.3	M
1	5	6.633	6.630	0.003	47981	270.4	173.0- 253.0	246.8	
			Average of Peak Amounts =			259.1			
2	6	4.227	4.227	0.000	17398	241.2		100.0	
2	7	4.497	4.497	0.000	47599	257.7	216.5- 296.5	273.6	
2	8	5.747	5.747	0.000	75143	263.4	357.2- 437.2	431.9	
2	9	5.953	5.953	0.000	37431	278.3	148.5- 228.5	215.1	
2	10	6.893	6.893	0.000	30306	295.5	102.6- 182.6	174.2	
			Average of Peak Amounts =			267.2			
						RPD = 3.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
8 PCB-1262									
1	1	8.697	8.693	0.004	102403	259.2		100.0	
1	2	9.870	9.867	0.003	140943	247.4	106.2- 186.2	137.6	
1	3	10.300	10.300	0.000	127464	250.1	92.0- 172.0	124.5	
1	4	10.853	10.850	0.003	283552	261.7	243.0- 323.0	276.9	
1	5	11.423	11.420	0.003	110107	255.3	69.9- 149.9	107.5	
			Average of Peak Amounts =			254.7			
2	6	8.820	8.820	0.000	83631	271.8		100.0	
2	7	9.187	9.187	0.000	87279	273.9	64.4- 144.4	104.4	
2	8	9.963	9.963	0.000	99836	250.3	90.4- 170.4	119.4	
2	9	10.477	10.477	0.000	94717	251.8	83.7- 163.7	113.3	
2	10	10.927	10.927	0.000	179852	265.9	182.5- 262.5	215.1	
			Average of Peak Amounts =			262.8			
						RPD = 3.10			

QC Flag Legend

Review Flags
M - Manually Integrated

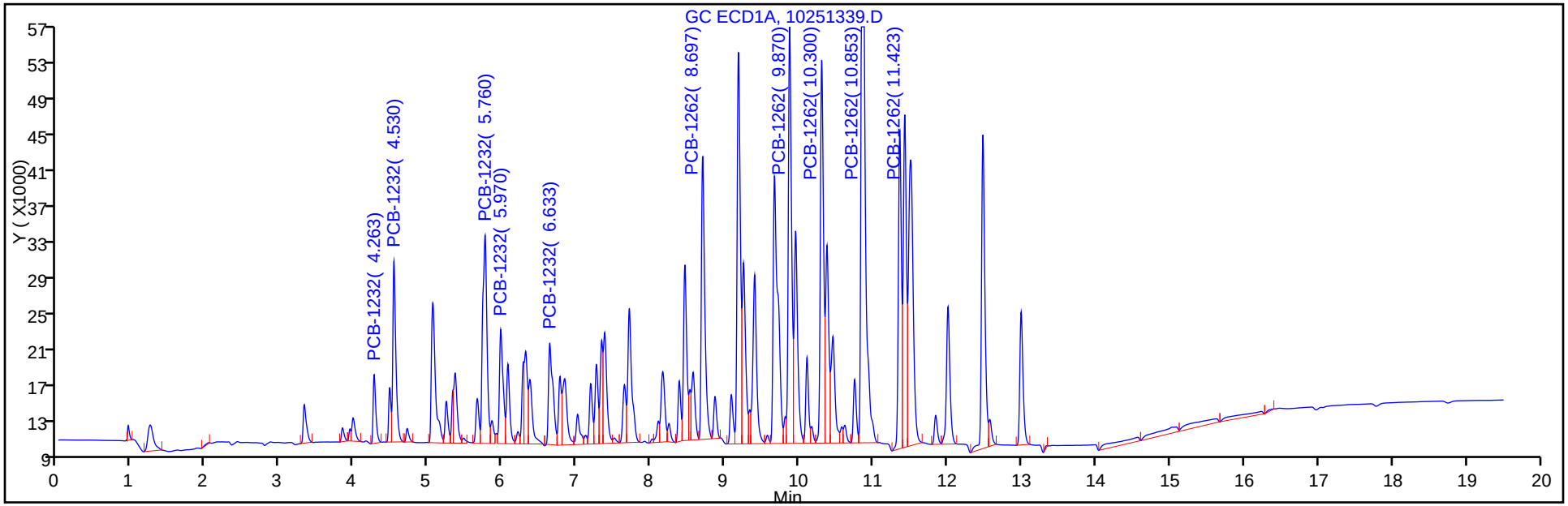
Report Date: 29-Oct-2013 12:12:50 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

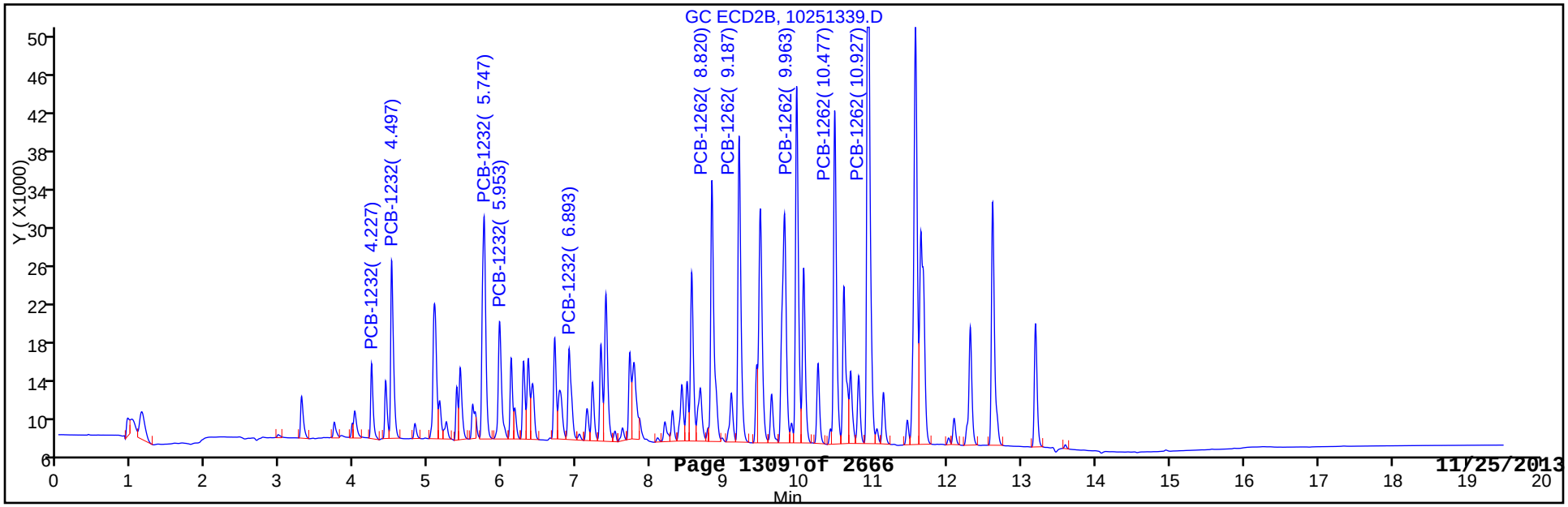
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251339.D

Injection Date:	26-Oct-2013 05:37:42	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	39
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		168216		0.258	0.250	3.1	20.0
PCB-1242 Peak 2	Lin1		349384		0.264	0.250	5.6	20.0
PCB-1242 Peak 3	Lin1		603316		0.255	0.250	2.0	20.0
PCB-1242 Peak 4	Lin1		277788		0.266	0.250	6.3	20.0
PCB-1242 Peak 5	Lin1		322080		0.265	0.250	6.0	20.0
PCB-1268 Peak 1	Lin1		1069124		0.000600	0.250	6.7	20.0
PCB-1268 Peak 2	Lin1		1273932		0.000600	0.250	6.5	20.0
PCB-1268 Peak 3	Lin1		1053288		0.000600	0.250	14.3	20.0
PCB-1268 Peak 4	Lin1		302716		0.000600	0.250	1.6	20.0
PCB-1268 Peak 5	Lin1		2363520		0.000600	0.250	-2.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.53	4.49	4.57
PCB-1242 Peak 2	5.05	5.01	5.09
PCB-1242 Peak 3	5.76	5.72	5.80
PCB-1242 Peak 4	5.97	5.93	6.01
PCB-1242 Peak 5	6.63	6.59	6.67
PCB-1268 Peak 1	11.42	11.38	11.46
PCB-1268 Peak 2	11.49	11.45	11.53
PCB-1268 Peak 3	11.84	11.79	11.87
PCB-1268 Peak 4	11.99	11.94	12.02
PCB-1268 Peak 5	12.99	12.94	13.02

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 06:01:03 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 197868 Lims Sample ID: 40
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 29-Oct-2013 12:10:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	42054	257.7		100.0	
1	2	5.053	5.050	0.003	87346	264.1	161.6- 241.6	207.7	
1	3	5.760	5.757	0.003	150829	254.9	323.5- 403.5	358.7	
1	4	5.970	5.967	0.003	69447	265.8	122.2- 202.2	165.1	
1	5	6.630	6.627	0.003	80520	265.1	141.9- 221.9	191.5	
			Average of Peak Amounts =			261.5			
2	6	4.497	4.500	-0.003	34424	259.1		100.0	
2	7	5.747	5.747	0.000	118285	255.3	312.9- 392.9	343.6	
2	8	5.953	5.953	0.000	57147	256.4	129.8- 209.8	166.0	
2	9	6.700	6.697	0.003	41490	255.0	81.4- 161.4	120.5	
2	10	6.893	6.893	0.000	50051	253.8	109.6- 189.6	145.4	
			Average of Peak Amounts =			255.9			
						RPD = 2.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.420	11.417	0.003	267281	266.7		100.0	
1	2	11.487	11.487	0.000	318483	266.1	80.4- 160.4	119.2	
1	3	11.837	11.833	0.004	263322	285.8	53.0- 133.0	98.5	
1	4	11.987	11.983	0.004	75679	254.1	0.0- 70.0	28.3	
1	5	12.990	12.983	0.007	590880	243.2	201.5- 281.5	221.1	
			Average of Peak Amounts =			263.2			
2	6	11.560	11.557	0.003	199546	271.6		100.0	
2	7	11.640	11.637	0.003	195413	251.3	66.5- 146.5	97.9	
2	8	12.087	12.083	0.004	183243	290.5	46.6- 126.6	91.8	
2	9	12.263	12.260	0.003	54401	260.4	0.0- 68.5	27.3	
2	10	13.183	13.180	0.003	397761	242.5	181.0- 261.0	199.3	
			Average of Peak Amounts =			263.3			
						RPD = 0.03			

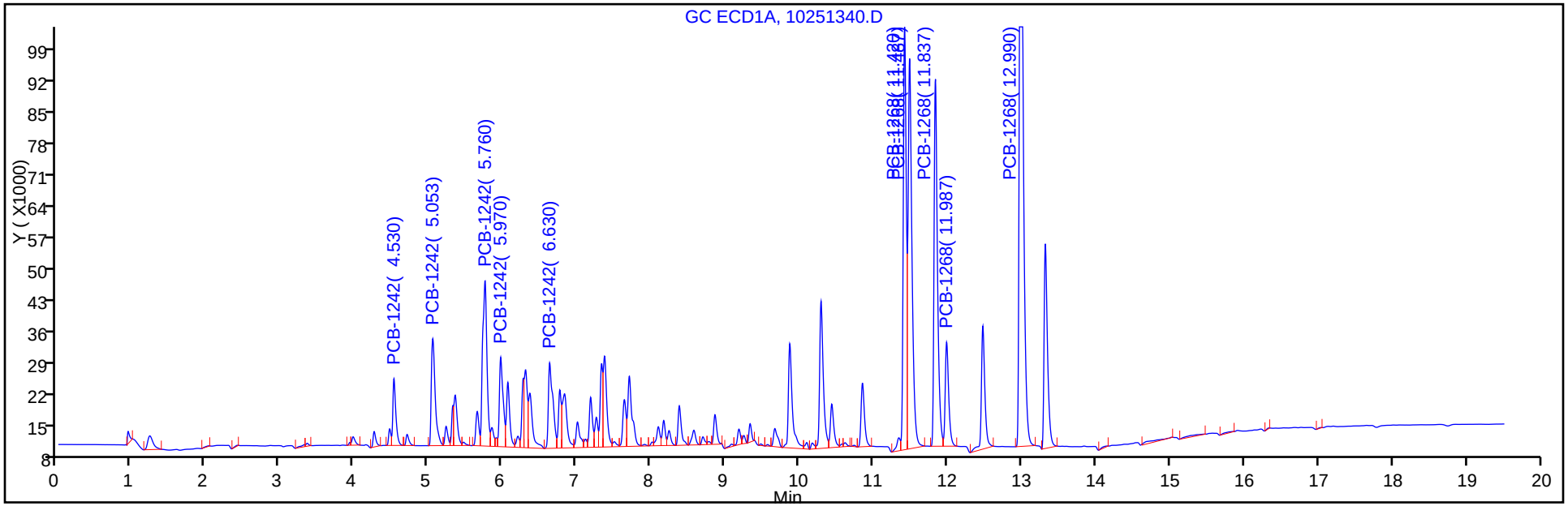
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TestAmerica Denver

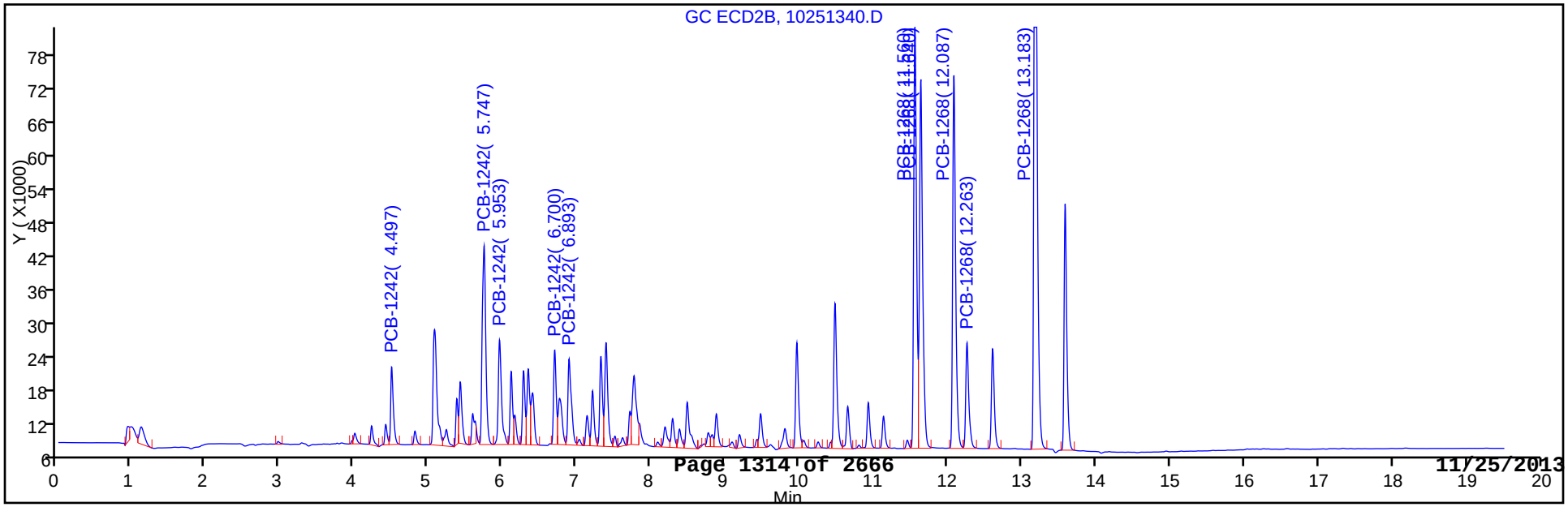
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D

Injection Date:	26-Oct-2013 06:01:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	40
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1242 Peak 1	Lin1		137696		0.259	0.250	3.6	20.0
PCB-1242 Peak 2	Lin1		473140		0.255	0.250	2.1	20.0
PCB-1242 Peak 3	Lin1		228588		0.256	0.250	2.6	20.0
PCB-1242 Peak 4	Lin1		165960		0.255	0.250	2.0	20.0
PCB-1242 Peak 5	Lin1		200204		0.254	0.250	1.5	20.0
PCB-1268 Peak 1	Lin1		798184		0.000600	0.250	8.6	20.0
PCB-1268 Peak 2	Lin1		781652		0.000600	0.250	0.5	20.0
PCB-1268 Peak 3	Lin1		732972		0.000600	0.250	16.2	20.0
PCB-1268 Peak 4	Lin1		217604		0.000600	0.250	4.2	20.0
PCB-1268 Peak 5	Lin1		1591044		0.000600	0.250	-3.0	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICV 280-197868/40 Calibration Date: 10/26/2013 06:01

Instrument ID: SGC_W Calib Start Date: 10/26/2013 01:45

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/26/2013 04:04

Lab File ID: 10251340.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1242 Peak 1	4.50	4.46	4.54
PCB-1242 Peak 2	5.75	5.71	5.79
PCB-1242 Peak 3	5.95	5.91	5.99
PCB-1242 Peak 4	6.70	6.66	6.74
PCB-1242 Peak 5	6.89	6.85	6.93
PCB-1268 Peak 1	11.56	11.52	11.60
PCB-1268 Peak 2	11.64	11.60	11.68
PCB-1268 Peak 3	12.09	12.04	12.12
PCB-1268 Peak 4	12.26	12.22	12.30
PCB-1268 Peak 5	13.18	13.14	13.22

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D
Lims ID: ICV Client ID:
Inject. Date: 26-Oct-2013 06:01:03 Dil. Factor: 1.0000
Sample Type: ICV
Sample ID: ICV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 40
Lims Batch ID: 197868 Lims Sample ID: 40
Sublist:
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131025-16736.b\8082_608_W.m
Last Update: 29-Oct-2013 12:12:47 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK050

First Level Reviewer: jacksonto Date: 29-Oct-2013 12:10:12

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									
1	1	4.530	4.527	0.003	42054	257.7		100.0	
1	2	5.053	5.050	0.003	87346	264.1	161.6- 241.6	207.7	
1	3	5.760	5.757	0.003	150829	254.9	323.5- 403.5	358.7	
1	4	5.970	5.967	0.003	69447	265.8	122.2- 202.2	165.1	
1	5	6.630	6.627	0.003	80520	265.1	141.9- 221.9	191.5	
			Average of Peak Amounts =			261.5			
2	6	4.497	4.500	-0.003	34424	259.1		100.0	
2	7	5.747	5.747	0.000	118285	255.3	312.9- 392.9	343.6	
2	8	5.953	5.953	0.000	57147	256.4	129.8- 209.8	166.0	
2	9	6.700	6.697	0.003	41490	255.0	81.4- 161.4	120.5	
2	10	6.893	6.893	0.000	50051	253.8	109.6- 189.6	145.4	
			Average of Peak Amounts =			255.9			
						RPD = 2.17			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
12 PCB-1268									
1	1	11.420	11.417	0.003	267281	266.7		100.0	
1	2	11.487	11.487	0.000	318483	266.1	80.4- 160.4	119.2	
1	3	11.837	11.833	0.004	263322	285.8	53.0- 133.0	98.5	
1	4	11.987	11.983	0.004	75679	254.1	0.0- 70.0	28.3	
1	5	12.990	12.983	0.007	590880	243.2	201.5- 281.5	221.1	
			Average of Peak Amounts =			263.2			
2	6	11.560	11.557	0.003	199546	271.6		100.0	
2	7	11.640	11.637	0.003	195413	251.3	66.5- 146.5	97.9	
2	8	12.087	12.083	0.004	183243	290.5	46.6- 126.6	91.8	
2	9	12.263	12.260	0.003	54401	260.4	0.0- 68.5	27.3	
2	10	13.183	13.180	0.003	397761	242.5	181.0- 261.0	199.3	
			Average of Peak Amounts =			263.3			
						RPD = 0.03			

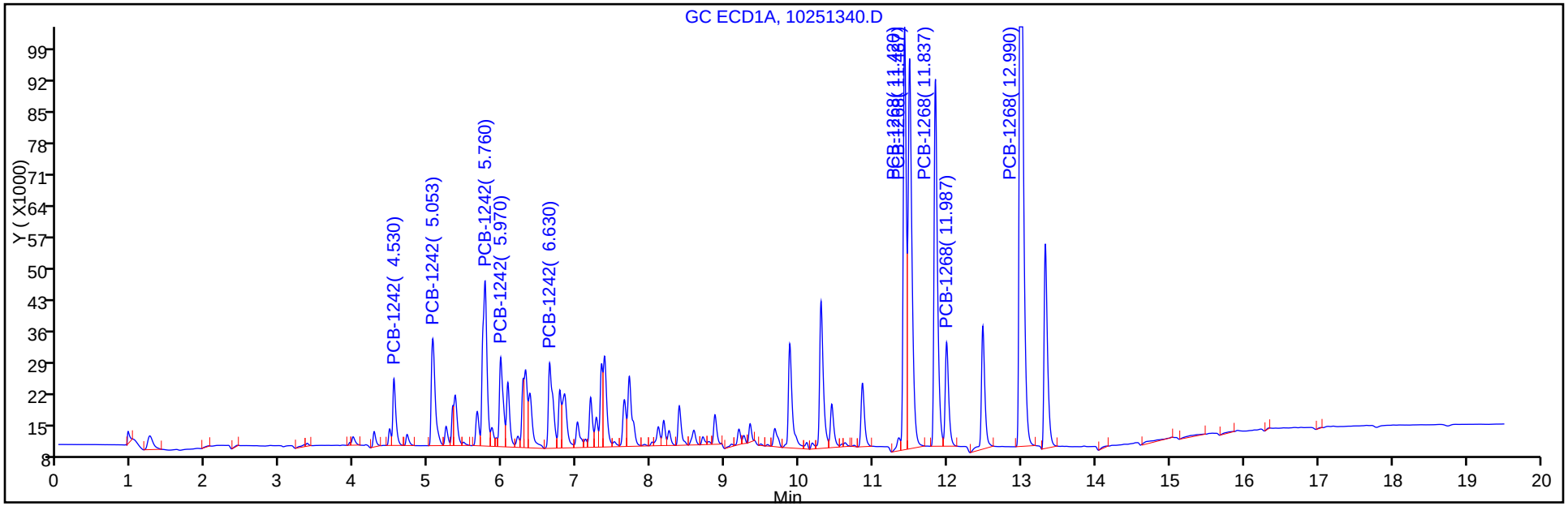
Report Date: 29-Oct-2013 12:12:49 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

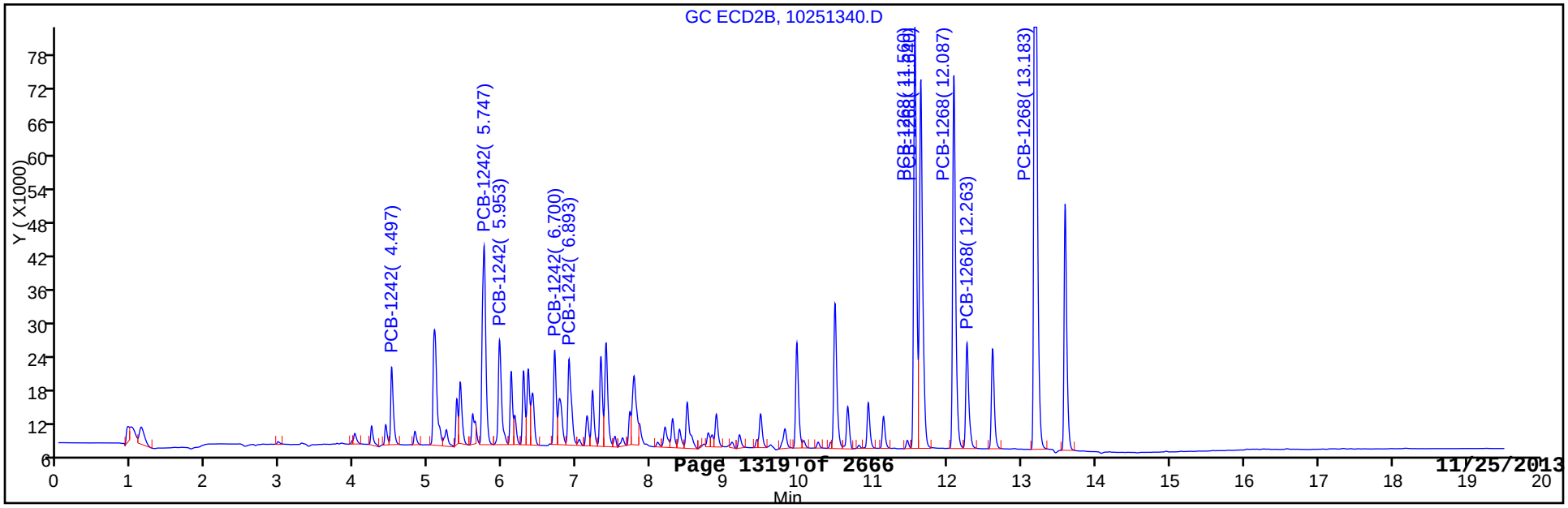
Data File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251340.D

Injection Date:	26-Oct-2013 06:01:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	197868	Lims Sample ID:	40
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		398892		0.518	0.500	3.7	20.0
PCB-1016 Peak 2	Lin1		730648		0.508	0.500	1.7	20.0
PCB-1016 Peak 3	Lin1		327626		0.516	0.500	3.3	20.0
PCB-1016 Peak 4	Lin1		218876		0.513	0.500	2.5	20.0
PCB-1016 Peak 5	Lin1		353572		0.515	0.500	2.9	20.0
PCB-1260 Peak 1	Lin1		475742		0.504	0.500	0.8	20.0
PCB-1260 Peak 2	Lin1		767290		0.497	0.500	-0.5	20.0
PCB-1260 Peak 3	Lin1		395296		0.529	0.500	5.8	20.0
PCB-1260 Peak 4	Lin1		880000		0.527	0.500	5.3	20.0
PCB-1260 Peak 5	Lin1		447136		0.502	0.500	0.5	20.0
Tetrachloro-m-xylene	Lin1		9404800		0.0256	0.0250	2.6	20.0
DCB Decachlorobiphenyl	Lin1		8079760		0.0261	0.0250	4.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.05	5.01	5.09
PCB-1016 Peak 2	5.75	5.71	5.79
PCB-1016 Peak 3	5.96	5.92	6.00
PCB-1016 Peak 4	6.06	6.02	6.10
PCB-1016 Peak 5	6.62	6.58	6.66
PCB-1260 Peak 1	8.68	8.64	8.72
PCB-1260 Peak 2	9.65	9.61	9.69
PCB-1260 Peak 3	10.29	10.25	10.33
PCB-1260 Peak 4	10.84	10.80	10.88
PCB-1260 Peak 5	11.34	11.30	11.38
Tetrachloro-m-xylene	4.00	3.96	4.04
DCB Decachlorobiphenyl	13.31	13.27	13.35

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011303.D
Lims ID: CCVRT Client ID:
Inject. Date: 01-Nov-2013 08:56:03 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 198824 Lims Sample ID: 3
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m
Last Update: 02-Nov-2013 08:48:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK001

First Level Reviewer: jacksonto Date: 01-Nov-2013 10:54:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.000	4.000	0.000	235120	25.6			
2	2	3.813	3.813	0.000	179312	24.5			
						RPD = 4.38			
5 PCB-1016									
1	1	5.050	5.050	0.000	199446	518.4		100.0	
1	2	5.753	5.753	0.000	365324	508.3	144.0- 224.0	183.2	
1	3	5.963	5.963	0.000	163813	516.3	42.1- 122.1	82.1	
1	4	6.060	6.060	0.000	109438	512.5	14.1- 94.1	54.9	
1	5	6.623	6.623	0.000	176786	514.6	48.4- 128.4	88.6	
			Average of Peak Amounts =			514.0			
2	6	4.487	4.487	0.000	77998	518.9		100.0	
2	7	5.063	5.063	0.000	162286	513.6	168.4- 248.4	208.1	
2	8	5.733	5.733	0.000	282042	509.9	317.6- 397.6	361.6	
2	9	5.940	5.940	0.000	134182	513.2	127.5- 207.5	172.0	
2	10	6.263	6.263	0.000	70480	517.9	47.1- 127.1	90.4	
			Average of Peak Amounts =			514.7			
						RPD = 0.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.683	8.683	0.000	237871	504.1		100.0	
1	2	9.653	9.653	0.000	383645	497.4	125.9- 205.9	161.3	
1	3	10.290	10.290	0.000	197648	528.9	43.2- 123.2	83.1	
1	4	10.843	10.843	0.000	440000	526.6	144.8- 224.8	185.0	
1	5	11.343	11.343	0.000	223568	502.3	54.9- 134.9	94.0	
			Average of Peak Amounts =			511.9			
2	6	8.800	8.800	0.000	188124	521.1		100.0	
2	7	9.167	9.167	0.000	200595	518.6	67.1- 147.1	106.6	
2	8	9.943	9.943	0.000	132464	527.1	29.7- 109.7	70.4	
2	9	10.457	10.457	0.000	143439	523.2	35.3- 115.3	76.2	
2	10	10.907	10.907	0.000	285020	524.3	108.5- 188.5	151.5	
			Average of Peak Amounts =			522.9			
						RPD = 2.13			
$ 13 DCB Decachlorobiphenyl									
1	1	13.310	13.310	0.000	201994	26.1			
2	2	13.570	13.570	0.000	138878	26.4			
						RPD = 1.24			
S 15 Polychlorinated biphenyls, Total									
1						1025.9			
2						1037.6			
						RPD = 1.13			

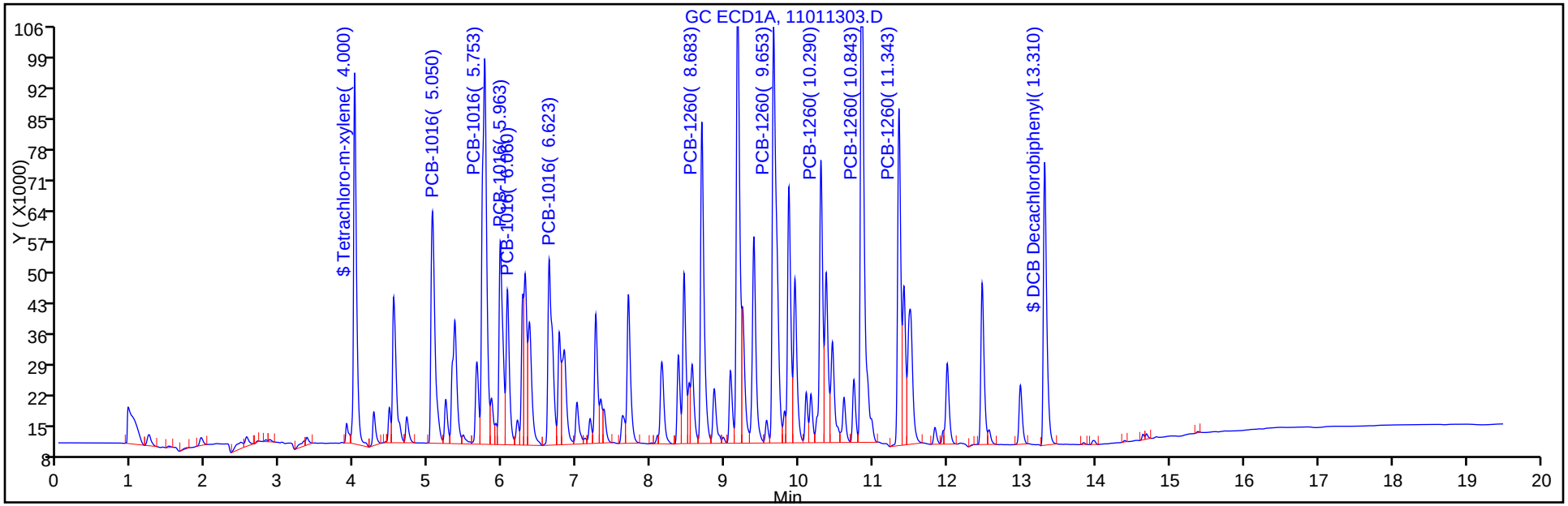
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TestAmerica Denver

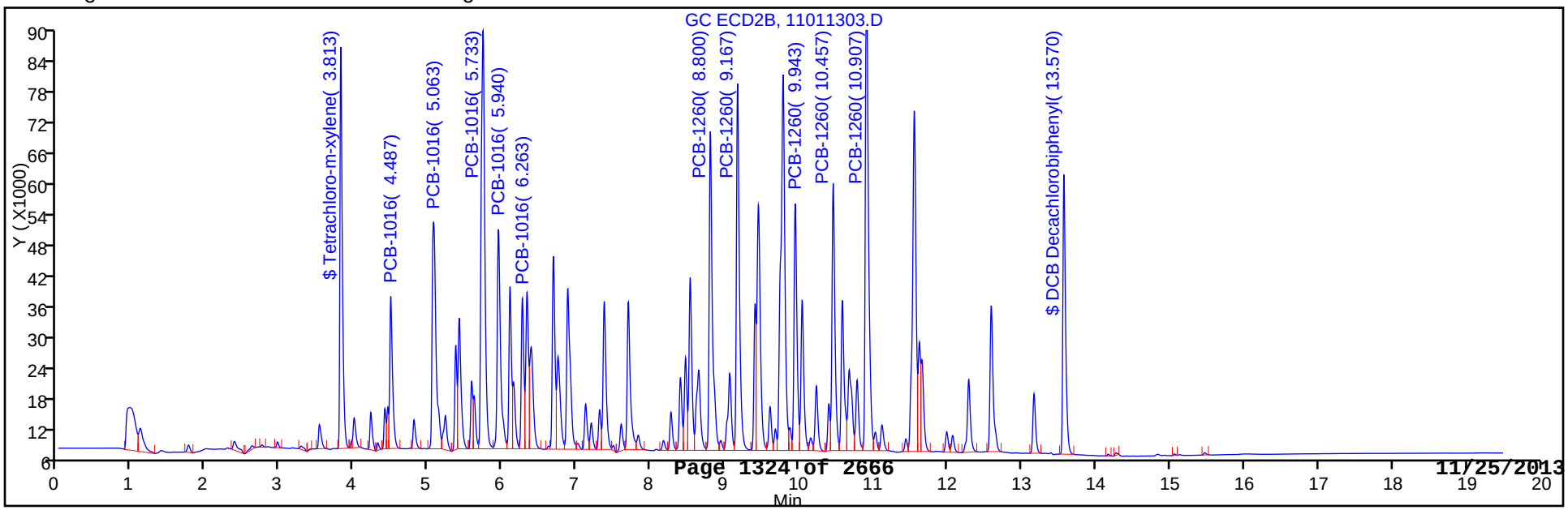
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011303.D

Injection Date:	01-Nov-2013 08:56:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		155996		0.519	0.500	3.8	20.0
PCB-1016 Peak 2	Lin1		324572		0.514	0.500	2.7	20.0
PCB-1016 Peak 3	Lin1		564084		0.510	0.500	2.0	20.0
PCB-1016 Peak 4	Lin1		268364		0.513	0.500	2.6	20.0
PCB-1016 Peak 5	Lin1		140960		0.518	0.500	3.6	20.0
PCB-1260 Peak 1	Lin1		376248		0.521	0.500	4.2	20.0
PCB-1260 Peak 2	Lin1		401190		0.519	0.500	3.7	20.0
PCB-1260 Peak 3	Lin1		264928		0.527	0.500	5.4	20.0
PCB-1260 Peak 4	Lin1		286878		0.523	0.500	4.6	20.0
PCB-1260 Peak 5	Lin1		570040		0.524	0.500	4.9	20.0
Tetrachloro-m-xylene	Lin1		7172480		0.0245	0.0250	-1.8	20.0
DCB Decachlorobiphenyl	Lin1		5555120		0.0264	0.0250	5.7	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCVRT 280-198824/3 Calibration Date: 11/01/2013 08:56

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011303.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.49	4.45	4.53
PCB-1016 Peak 2	5.06	5.02	5.10
PCB-1016 Peak 3	5.73	5.69	5.77
PCB-1016 Peak 4	5.94	5.90	5.98
PCB-1016 Peak 5	6.26	6.22	6.30
PCB-1260 Peak 1	8.80	8.76	8.84
PCB-1260 Peak 2	9.17	9.13	9.21
PCB-1260 Peak 3	9.94	9.90	9.98
PCB-1260 Peak 4	10.46	10.42	10.50
PCB-1260 Peak 5	10.91	10.87	10.95
Tetrachloro-m-xylene	3.81	3.77	3.85
DCB Decachlorobiphenyl	13.57	13.53	13.61

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011303.D
Lims ID: CCVRT Client ID:
Inject. Date: 01-Nov-2013 08:56:03 Dil. Factor: 1.0000
Sample Type: CCVRT
Sample ID: CCVRT
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 3
Lims Batch ID: 198824 Lims Sample ID: 3
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m
Last Update: 02-Nov-2013 08:48:07 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK001

First Level Reviewer: jacksonto Date: 01-Nov-2013 10:54:57

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	4.000	4.000	0.000	235120	25.6			
2	2	3.813	3.813	0.000	179312	24.5			
						RPD = 4.38			
5 PCB-1016									
1	1	5.050	5.050	0.000	199446	518.4		100.0	
1	2	5.753	5.753	0.000	365324	508.3	144.0- 224.0	183.2	
1	3	5.963	5.963	0.000	163813	516.3	42.1- 122.1	82.1	
1	4	6.060	6.060	0.000	109438	512.5	14.1- 94.1	54.9	
1	5	6.623	6.623	0.000	176786	514.6	48.4- 128.4	88.6	
			Average of Peak Amounts =			514.0			
2	6	4.487	4.487	0.000	77998	518.9		100.0	
2	7	5.063	5.063	0.000	162286	513.6	168.4- 248.4	208.1	
2	8	5.733	5.733	0.000	282042	509.9	317.6- 397.6	361.6	
2	9	5.940	5.940	0.000	134182	513.2	127.5- 207.5	172.0	
2	10	6.263	6.263	0.000	70480	517.9	47.1- 127.1	90.4	
			Average of Peak Amounts =			514.7			
						RPD = 0.13			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.683	8.683	0.000	237871	504.1		100.0	
1	2	9.653	9.653	0.000	383645	497.4	125.9- 205.9	161.3	
1	3	10.290	10.290	0.000	197648	528.9	43.2- 123.2	83.1	
1	4	10.843	10.843	0.000	440000	526.6	144.8- 224.8	185.0	
1	5	11.343	11.343	0.000	223568	502.3	54.9- 134.9	94.0	
			Average of Peak Amounts =			511.9			
2	6	8.800	8.800	0.000	188124	521.1		100.0	
2	7	9.167	9.167	0.000	200595	518.6	67.1- 147.1	106.6	
2	8	9.943	9.943	0.000	132464	527.1	29.7- 109.7	70.4	
2	9	10.457	10.457	0.000	143439	523.2	35.3- 115.3	76.2	
2	10	10.907	10.907	0.000	285020	524.3	108.5- 188.5	151.5	
			Average of Peak Amounts =			522.9			
						RPD = 2.13			
$ 13 DCB Decachlorobiphenyl									
1	1	13.310	13.310	0.000	201994	26.1			
2	2	13.570	13.570	0.000	138878	26.4			
						RPD = 1.24			
S 15 Polychlorinated biphenyls, Total									
1						1025.9			
2						1037.6			
						RPD = 1.13			

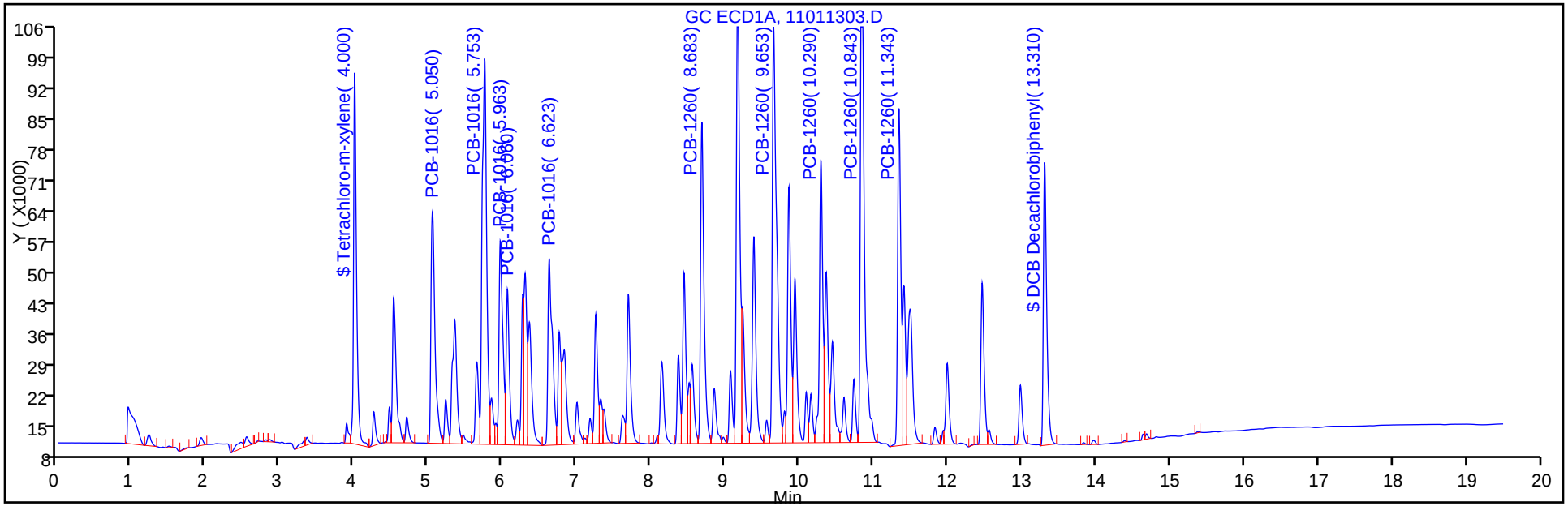
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TestAmerica Denver

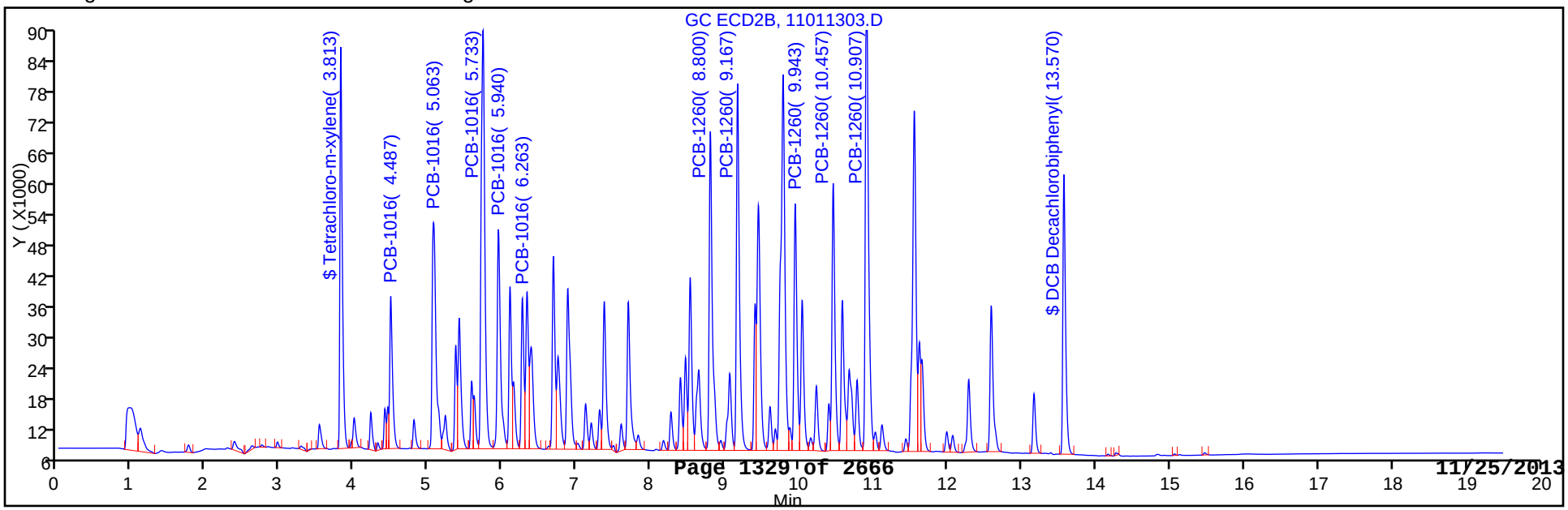
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011303.D

Injection Date:	01-Nov-2013 08:56:03	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	3
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		375596		0.487	0.500	-2.6	20.0
PCB-1016 Peak 2	Lin1		684874		0.476	0.500	-4.8	20.0
PCB-1016 Peak 3	Lin1		305224		0.480	0.500	-3.9	20.0
PCB-1016 Peak 4	Lin1		199420		0.467	0.500	-6.6	20.0
PCB-1016 Peak 5	Lin1		327072		0.475	0.500	-5.1	20.0
PCB-1260 Peak 1	Lin1		439610		0.465	0.500	-7.1	20.0
PCB-1260 Peak 2	Lin1		717594		0.464	0.500	-7.1	20.0
PCB-1260 Peak 3	Lin1		351746		0.469	0.500	-6.2	20.0
PCB-1260 Peak 4	Lin1		816776		0.488	0.500	-2.4	20.0
PCB-1260 Peak 5	Lin1		417140		0.468	0.500	-6.4	20.0
Tetrachloro-m-xylene	Lin1		8611680		0.0235	0.0250	-6.2	20.0
DCB Decachlorobiphenyl	Lin1		7677480		0.0248	0.0250	-0.9	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.04	5.01	5.09
PCB-1016 Peak 2	5.75	5.71	5.79
PCB-1016 Peak 3	5.96	5.92	6.00
PCB-1016 Peak 4	6.05	6.02	6.10
PCB-1016 Peak 5	6.62	6.58	6.66
PCB-1260 Peak 1	8.68	8.64	8.72
PCB-1260 Peak 2	9.65	9.61	9.69
PCB-1260 Peak 3	10.29	10.25	10.33
PCB-1260 Peak 4	10.84	10.80	10.88
PCB-1260 Peak 5	11.34	11.30	11.38
Tetrachloro-m-xylene	3.99	3.96	4.04
DCB Decachlorobiphenyl	13.31	13.27	13.35

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011322.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Nov-2013 16:17:38	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	198824	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	215292	23.5			
2	2	3.810	3.813	-0.003	172326	23.6			
						RPD = 0.48			
5 PCB-1016									
1	1	5.043	5.050	-0.007	187798	486.8		100.0	
1	2	5.747	5.753	-0.006	342437	475.8	144.0- 224.0	182.3	
1	3	5.957	5.963	-0.006	152612	480.3	42.1- 122.1	81.3	
1	4	6.053	6.060	-0.007	99710	466.9	14.1- 94.1	53.1	
1	5	6.617	6.623	-0.006	163536	474.6	48.4- 128.4	87.1	
			Average of Peak Amounts =			476.9			
2	6	4.483	4.487	-0.004	75686	502.9		100.0	
2	7	5.060	5.063	-0.003	158397	500.7	168.4- 248.4	209.3	
2	8	5.727	5.733	-0.006	277938	502.2	317.6- 397.6	367.2	
2	9	5.933	5.940	-0.007	133943	512.2	127.5- 207.5	177.0	
2	10	6.257	6.263	-0.006	66950	490.8	47.1- 127.1	88.5	
			Average of Peak Amounts =			501.8			
						RPD = 5.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.677	8.683	-0.006	219805	464.5		100.0	
1	2	9.647	9.653	-0.006	358797	464.5	125.9- 205.9	163.2	
1	3	10.287	10.290	-0.003	175873	469.2	43.2- 123.2	80.0	
1	4	10.837	10.843	-0.006	408388	488.1	144.8- 224.8	185.8	
1	5	11.337	11.343	-0.006	208570	467.8	54.9- 134.9	94.9	
			Average of Peak Amounts =			470.8			
2	6	8.793	8.800	-0.007	178972	494.9		100.0	
2	7	9.160	9.167	-0.007	192572	497.0	67.1- 147.1	107.6	
2	8	9.937	9.943	-0.006	126140	501.1	29.7- 109.7	70.5	
2	9	10.450	10.457	-0.007	137863	502.3	35.3- 115.3	77.0	
2	10	10.900	10.907	-0.007	273976	503.5	108.5- 188.5	153.1	
			Average of Peak Amounts =			499.8			
						RPD = 5.96			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	191937	24.8			
2	2	13.567	13.570	-0.003	131468	25.0			
						RPD = 0.81			
S 15 Polychlorinated biphenyls, Total									
1						947.7			
2						1001.5			
						RPD = 5.52			

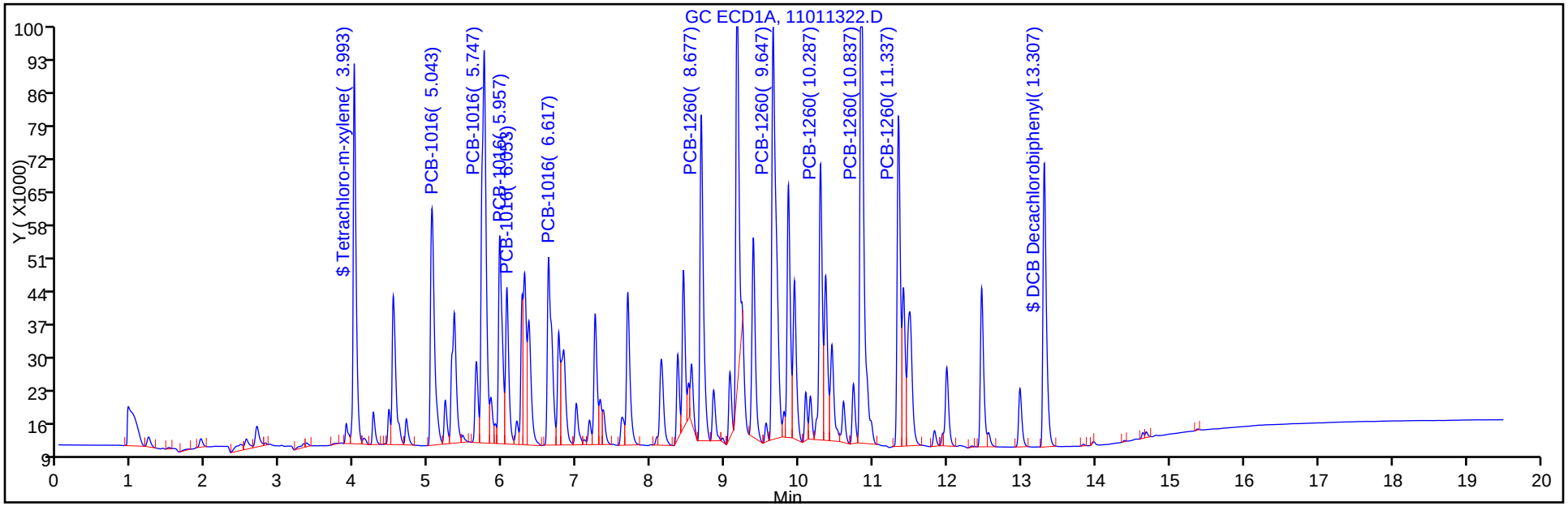
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TestAmerica Denver

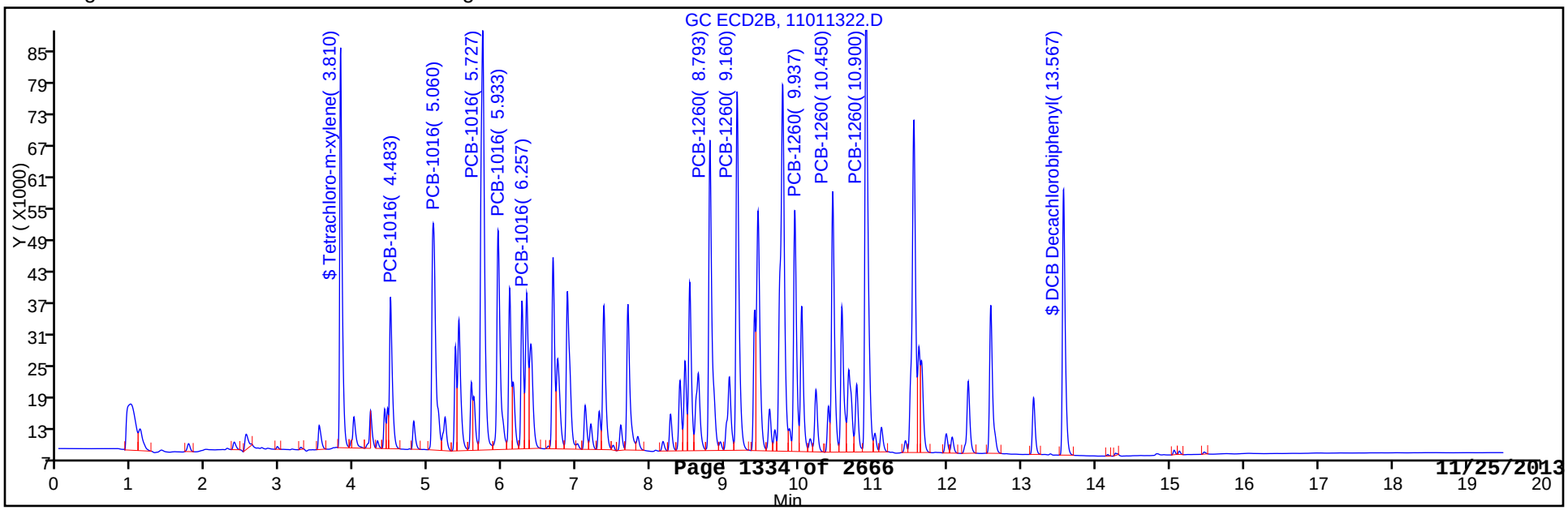
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Injection Date:	01-Nov-2013 16:17:38	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		151372		0.503	0.500	0.6	20.0
PCB-1016 Peak 2	Lin1		316794		0.501	0.500	0.1	20.0
PCB-1016 Peak 3	Lin1		555876		0.502	0.500	0.4	20.0
PCB-1016 Peak 4	Lin1		267886		0.512	0.500	2.4	20.0
PCB-1016 Peak 5	Lin1		133900		0.491	0.500	-1.8	20.0
PCB-1260 Peak 1	Lin1		357944		0.495	0.500	-1.0	20.0
PCB-1260 Peak 2	Lin1		385144		0.497	0.500	-0.6	20.0
PCB-1260 Peak 3	Lin1		252280		0.501	0.500	0.2	20.0
PCB-1260 Peak 4	Lin1		275726		0.502	0.500	0.5	20.0
PCB-1260 Peak 5	Lin1		547952		0.503	0.500	0.7	20.0
Tetrachloro-m-xylene	Lin1		6893040		0.0236	0.0250	-5.7	20.0
DCB Decachlorobiphenyl	Lin1		5258720		0.0250	0.0250	-0.1	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/22 Calibration Date: 11/01/2013 16:17

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011322.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.48	4.45	4.53
PCB-1016 Peak 2	5.06	5.02	5.10
PCB-1016 Peak 3	5.73	5.69	5.77
PCB-1016 Peak 4	5.93	5.90	5.98
PCB-1016 Peak 5	6.26	6.22	6.30
PCB-1260 Peak 1	8.79	8.76	8.84
PCB-1260 Peak 2	9.16	9.13	9.21
PCB-1260 Peak 3	9.94	9.90	9.98
PCB-1260 Peak 4	10.45	10.42	10.50
PCB-1260 Peak 5	10.90	10.87	10.95
Tetrachloro-m-xylene	3.81	3.77	3.85
DCB Decachlorobiphenyl	13.57	13.53	13.61

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011322.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Nov-2013 16:17:38	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	22
Lims Batch ID:	198824	Lims Sample ID:	22
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:30

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	215292	23.5			
2	2	3.810	3.813	-0.003	172326	23.6			
						RPD = 0.48			
5 PCB-1016									
1	1	5.043	5.050	-0.007	187798	486.8		100.0	
1	2	5.747	5.753	-0.006	342437	475.8	144.0- 224.0	182.3	
1	3	5.957	5.963	-0.006	152612	480.3	42.1- 122.1	81.3	
1	4	6.053	6.060	-0.007	99710	466.9	14.1- 94.1	53.1	
1	5	6.617	6.623	-0.006	163536	474.6	48.4- 128.4	87.1	
			Average of Peak Amounts =			476.9			
2	6	4.483	4.487	-0.004	75686	502.9		100.0	
2	7	5.060	5.063	-0.003	158397	500.7	168.4- 248.4	209.3	
2	8	5.727	5.733	-0.006	277938	502.2	317.6- 397.6	367.2	
2	9	5.933	5.940	-0.007	133943	512.2	127.5- 207.5	177.0	
2	10	6.257	6.263	-0.006	66950	490.8	47.1- 127.1	88.5	
			Average of Peak Amounts =			501.8			
						RPD = 5.09			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.677	8.683	-0.006	219805	464.5		100.0	
1	2	9.647	9.653	-0.006	358797	464.5	125.9- 205.9	163.2	
1	3	10.287	10.290	-0.003	175873	469.2	43.2- 123.2	80.0	
1	4	10.837	10.843	-0.006	408388	488.1	144.8- 224.8	185.8	
1	5	11.337	11.343	-0.006	208570	467.8	54.9- 134.9	94.9	
			Average of Peak Amounts =			470.8			
2	6	8.793	8.800	-0.007	178972	494.9		100.0	
2	7	9.160	9.167	-0.007	192572	497.0	67.1- 147.1	107.6	
2	8	9.937	9.943	-0.006	126140	501.1	29.7- 109.7	70.5	
2	9	10.450	10.457	-0.007	137863	502.3	35.3- 115.3	77.0	
2	10	10.900	10.907	-0.007	273976	503.5	108.5- 188.5	153.1	
			Average of Peak Amounts =			499.8			
						RPD = 5.96			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	191937	24.8			
2	2	13.567	13.570	-0.003	131468	25.0			
						RPD = 0.81			
S 15 Polychlorinated biphenyls, Total									
1						947.7			
2						1001.5			
						RPD = 5.52			

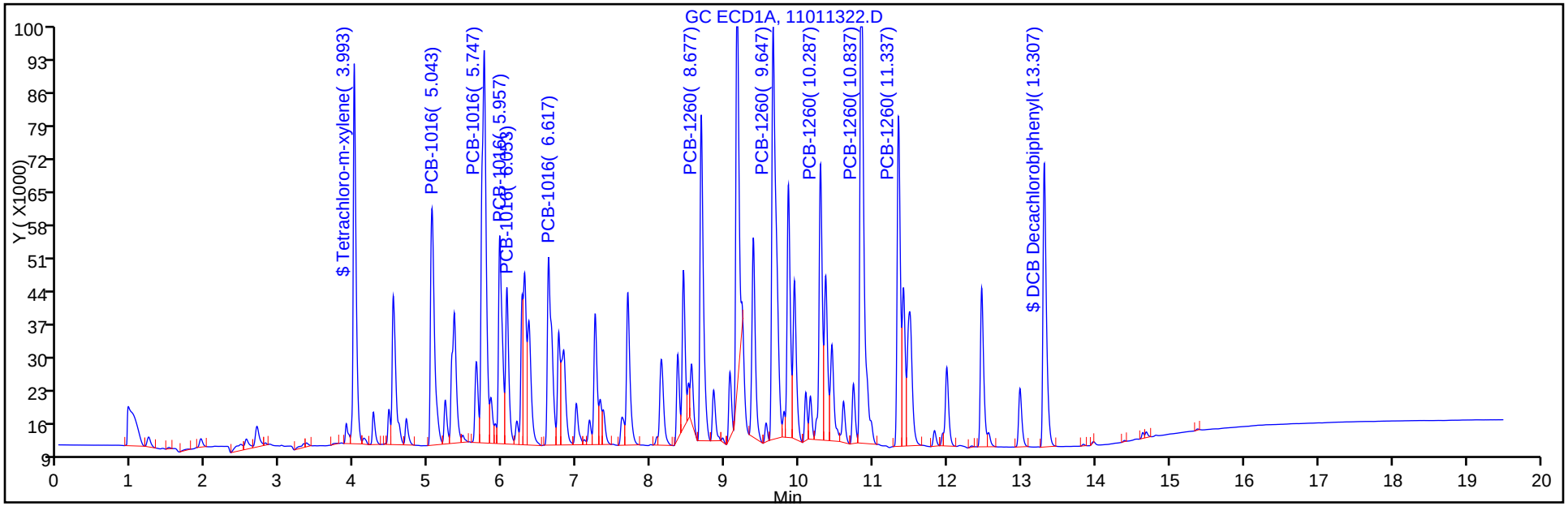
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TestAmerica Denver

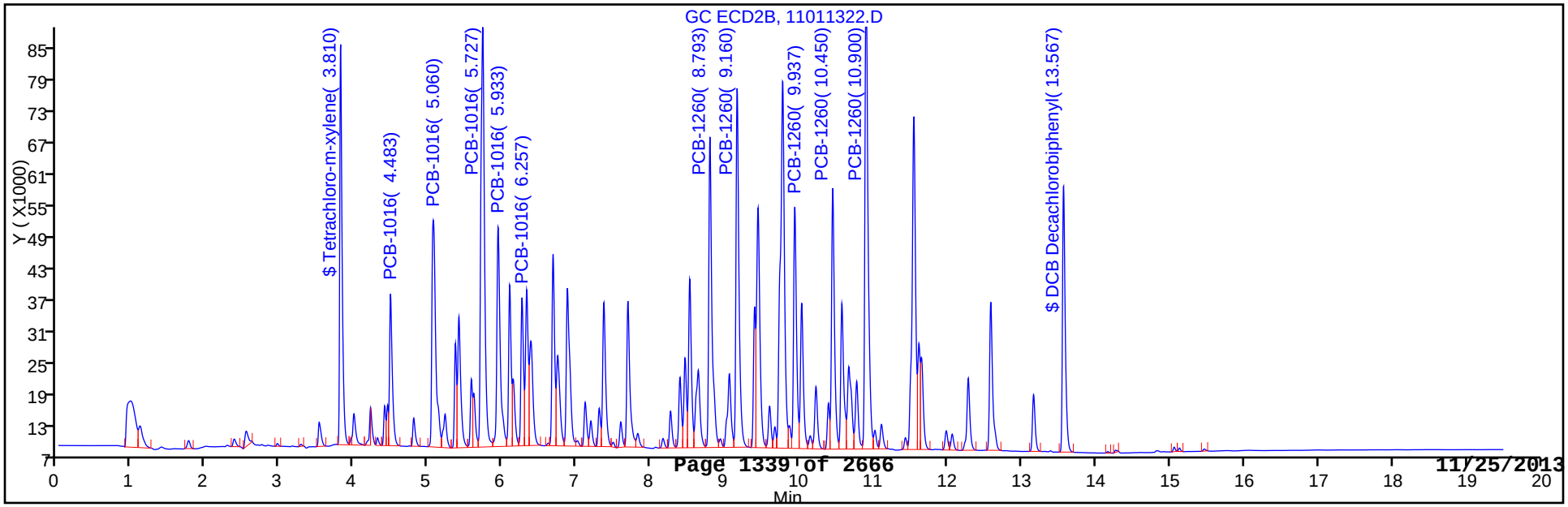
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011322.D

Injection Date:	01-Nov-2013 16:17:38	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	22
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		384476		0.499	0.500	-0.2	20.0
PCB-1016 Peak 2	Lin1		704842		0.490	0.500	-2.0	20.0
PCB-1016 Peak 3	Lin1		314624		0.495	0.500	-0.9	20.0
PCB-1016 Peak 4	Lin1		212722		0.498	0.500	-0.4	20.0
PCB-1016 Peak 5	Lin1		342206		0.497	0.500	-0.5	20.0
PCB-1260 Peak 1	Lin1		479358		0.508	0.500	1.6	20.0
PCB-1260 Peak 2	Lin1		772398		0.501	0.500	0.2	20.0
PCB-1260 Peak 3	Lin1		397778		0.532	0.500	6.5	20.0
PCB-1260 Peak 4	Lin1		865484		0.518	0.500	3.6	20.0
PCB-1260 Peak 5	Lin1		429272		0.482	0.500	-3.6	20.0
Tetrachloro-m-xylene	Lin1		8638600		0.0235	0.0250	-5.9	20.0
DCB Decachlorobiphenyl	Lin1		7557080		0.0244	0.0250	-2.5	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP1 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	5.05	5.01	5.09
PCB-1016 Peak 2	5.75	5.71	5.79
PCB-1016 Peak 3	5.96	5.92	6.00
PCB-1016 Peak 4	6.06	6.02	6.10
PCB-1016 Peak 5	6.62	6.58	6.66
PCB-1260 Peak 1	8.68	8.64	8.72
PCB-1260 Peak 2	9.65	9.61	9.69
PCB-1260 Peak 3	10.29	10.25	10.33
PCB-1260 Peak 4	10.84	10.80	10.88
PCB-1260 Peak 5	11.34	11.30	11.38
Tetrachloro-m-xylene	4.00	3.96	4.04
DCB Decachlorobiphenyl	13.31	13.27	13.35

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D		
Lims ID:	CCV	Client ID:	
Inject. Date:	01-Nov-2013 22:28:51	Dil. Factor:	1.0000
Sample Type:	CCV		
Sample ID:	CCV		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	38
Lims Batch ID:	198824	Lims Sample ID:	38
Sublist:	chrom-8082_608_W*sub3		
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:41	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:47:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.997	4.000	-0.003	215965	23.5			
2	2	3.810	3.813	-0.003	170497	23.3			
						RPD = 0.92			
5 PCB-1016									M
1	1	5.047	5.050	-0.003	192238	498.8		100.0	
1	2	5.750	5.753	-0.003	352421	490.0	144.0- 224.0	183.3	
1	3	5.960	5.963	-0.003	157312	495.4	42.1- 122.1	81.8	
1	4	6.057	6.060	-0.003	106361	498.1	14.1- 94.1	55.3	
1	5	6.620	6.623	-0.003	171103	497.4	48.4- 128.4	89.0	M
			Average of Peak Amounts =			495.9			
2	6	4.483	4.487	-0.004	76258	506.8		100.0	
2	7	5.060	5.063	-0.003	157180	496.6	168.4- 248.4	206.1	
2	8	5.730	5.733	-0.003	273336	493.6	317.6- 397.6	358.4	
2	9	5.937	5.940	-0.003	128457	490.4	127.5- 207.5	168.5	
2	10	6.260	6.263	-0.003	67675	496.4	47.1- 127.1	88.7	
			Average of Peak Amounts =			496.8			
						RPD = 0.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.680	8.683	-0.003	239679	508.1		100.0	M
1	2	9.647	9.653	-0.006	386199	500.8	125.9- 205.9	161.1	M
1	3	10.287	10.290	-0.003	198889	532.3	43.2- 123.2	83.0	M
1	4	10.837	10.843	-0.006	432742	517.8	144.8- 224.8	180.6	M
1	5	11.340	11.343	-0.003	214636	481.8	54.9- 134.9	89.6	
			Average of Peak Amounts =			508.2			
2	6	8.793	8.800	-0.007	180707	499.8		100.0	
2	7	9.160	9.167	-0.007	193528	499.6	67.1- 147.1	107.1	
2	8	9.940	9.943	-0.003	125939	500.3	29.7- 109.7	69.7	
2	9	10.450	10.457	-0.007	137542	501.1	35.3- 115.3	76.1	
2	10	10.900	10.907	-0.007	274184	503.9	108.5- 188.5	151.7	
			Average of Peak Amounts =			500.9			
						RPD = 1.43			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	188927	24.4			
2	2	13.567	13.570	-0.003	129915	24.7			
						RPD = 1.20			
S 15 Polychlorinated biphenyls, Total									
1						1004.1			
2						997.7			
						RPD = 0.64			

QC Flag Legend

Review Flags
M - Manually Integrated

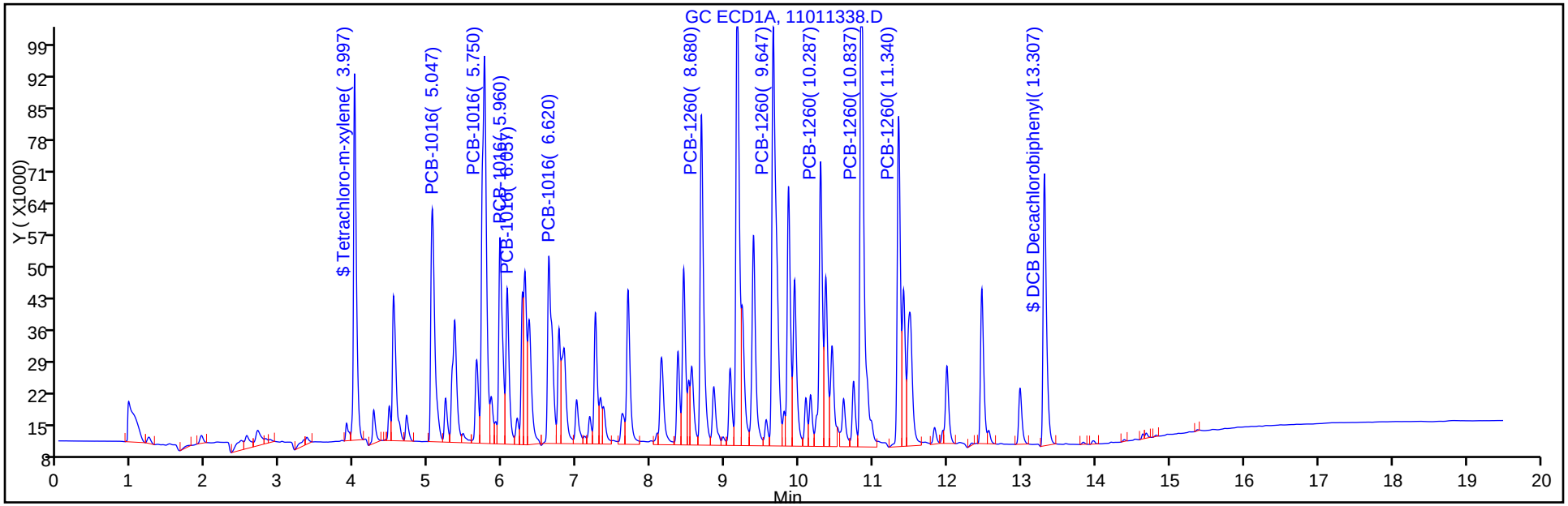
Report Date: 02-Nov-2013 08:48:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

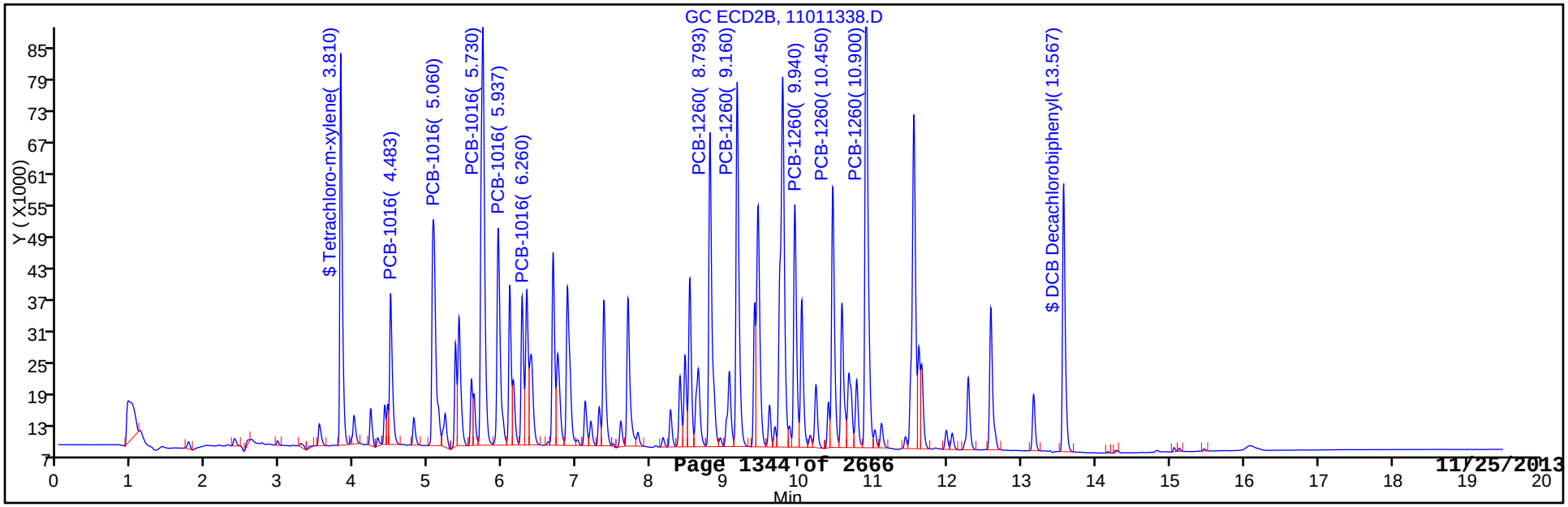
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D

Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



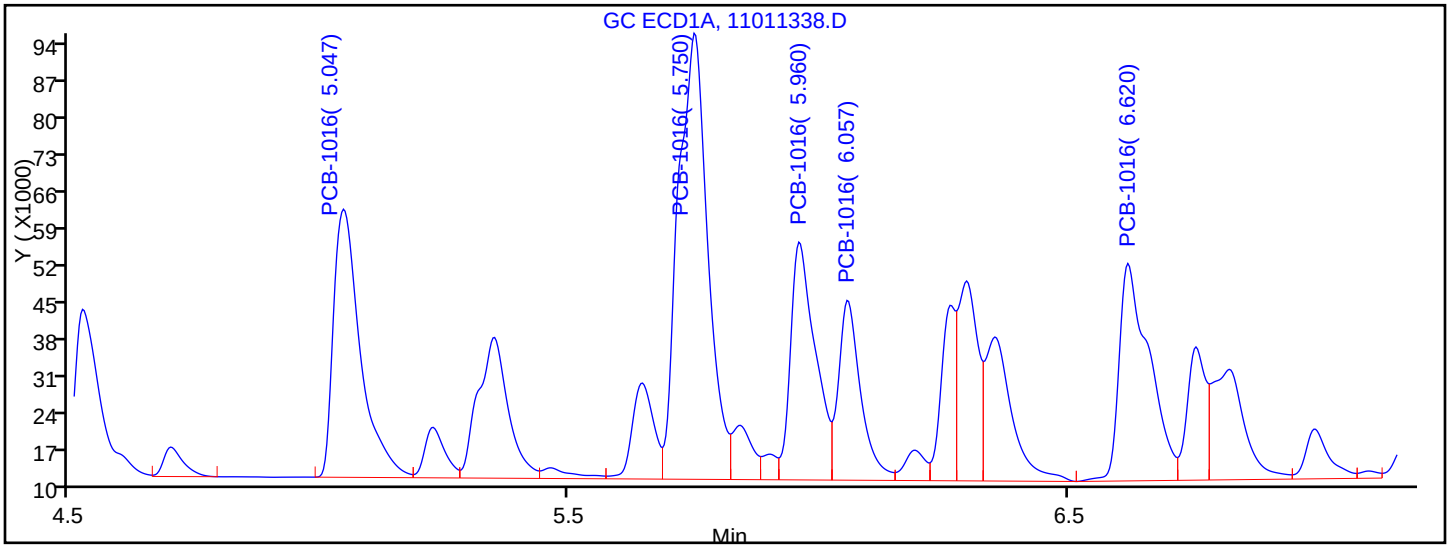
Report Date: 02-Nov-2013 08:48:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D

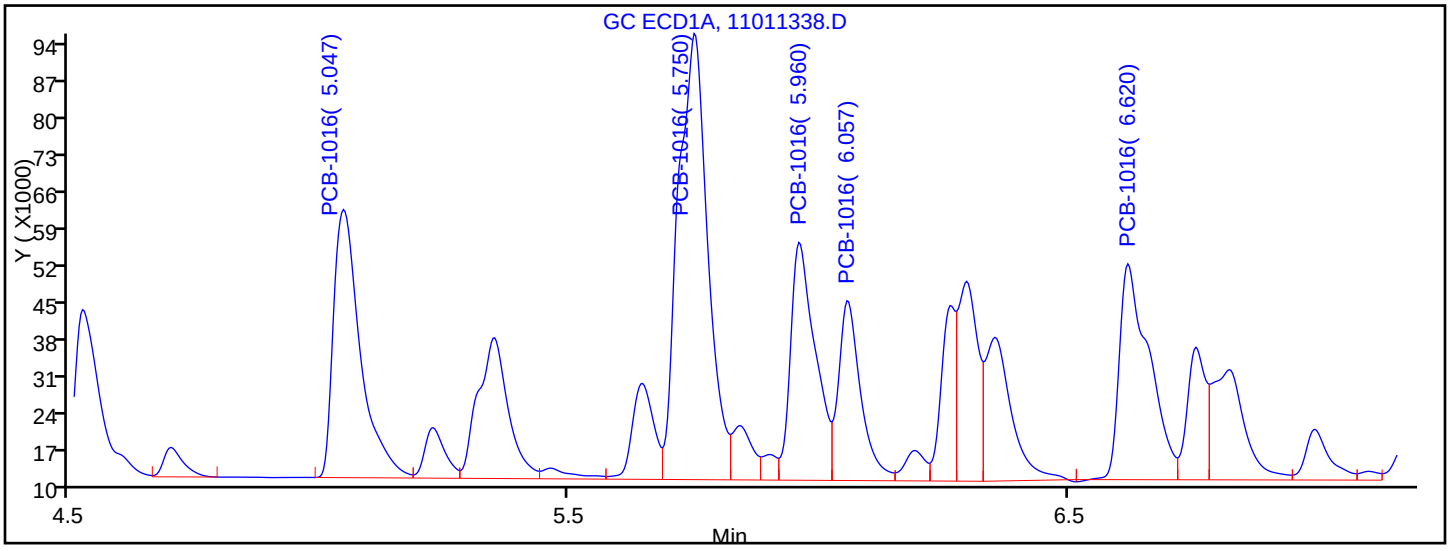
Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

5 PCB-1016, Detector: 1, GC ECD1A



Processing Integration Results

RT = 5.047	Response = 192238	
RT = 5.750	Response = 352421	
RT = 5.960	Response = 157312	
RT = 6.057	Response = 106361	
RT = 6.620	Response = 174787	M



Manual Integration Results

RT = 5.047	Response = 192238	
RT = 5.750	Response = 352421	
RT = 5.960	Response = 157312	
RT = 6.057	Response = 106361	
RT = 6.620	Response = 171103	M

Reviewer: jacksonto, 02-Nov-2013 08:47:27

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

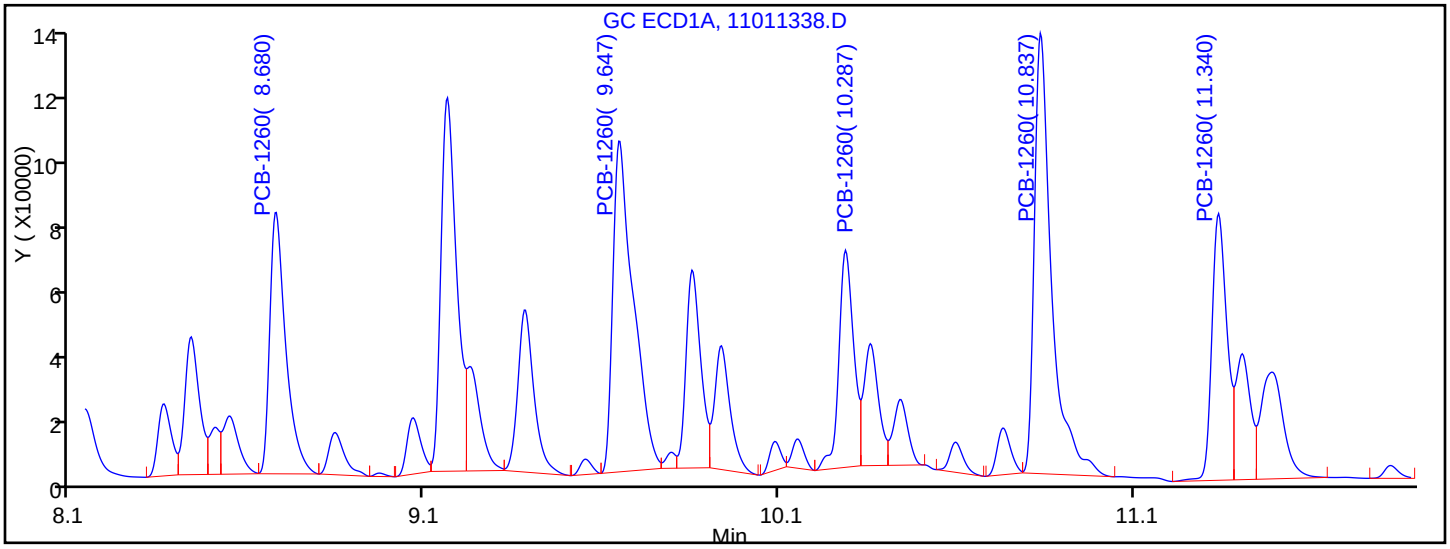
Report Date: 02-Nov-2013 08:48:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D

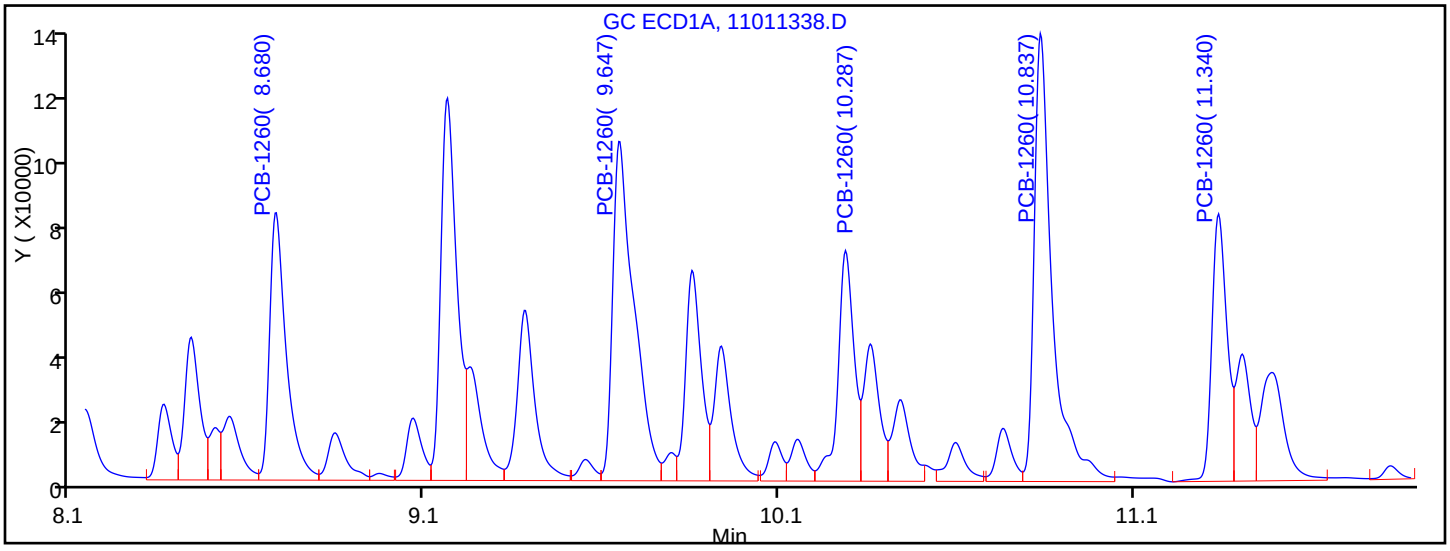
Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

9 PCB-1260, Detector: 1, GC ECD1A



Processing Integration Results

RT = 8.680	Response = 223288	M
RT = 9.647	Response = 359858	M
RT = 10.287	Response = 172104	M
RT = 10.837	Response = 405684	M
RT = 11.340	Response = 214636	



Manual Integration Results

RT = 8.680	Response = 239679	M
RT = 9.647	Response = 386199	M
RT = 10.287	Response = 198889	M
RT = 10.837	Response = 432742	M
RT = 11.340	Response = 214636	

Reviewer: jacksonto, 02-Nov-2013 08:47:27

Audit Action: Assigned New Baseline

Audit Reason: Baseline Smoothing

FORM VII
PCBS CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D Conc. Units: ug/mL

ANALYTE	CURVE TYPE	AVE CF	CF	MIN CF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
PCB-1016 Peak 1	Lin1		152516		0.507	0.500	1.4	20.0
PCB-1016 Peak 2	Lin1		314360		0.497	0.500	-0.7	20.0
PCB-1016 Peak 3	Lin1		546672		0.494	0.500	-1.3	20.0
PCB-1016 Peak 4	Lin1		256914		0.490	0.500	-1.9	20.0
PCB-1016 Peak 5	Lin1		135350		0.496	0.500	-0.7	20.0
PCB-1260 Peak 1	Lin1		361414		0.500	0.500	-0.0	20.0
PCB-1260 Peak 2	Lin1		387056		0.500	0.500	-0.0	20.0
PCB-1260 Peak 3	Lin1		251878		0.500	0.500	0.0	20.0
PCB-1260 Peak 4	Lin1		275084		0.501	0.500	0.2	20.0
PCB-1260 Peak 5	Lin1		548368		0.504	0.500	0.8	20.0
Tetrachloro-m-xylene	Lin1		6819880		0.0233	0.0250	-6.7	20.0
DCB Decachlorobiphenyl	Lin1		5196600		0.0247	0.0250	-1.4	20.0

FORM VII
PCBS CONTINUING CALIBRATION RETENTION TIME SUMMARY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: CCV 280-198824/38 Calibration Date: 11/01/2013 22:28

Instrument ID: SGC_W Calib Start Date: 10/25/2013 20:21

GC Column: CLP2 ID: 0.32(mm) Calib End Date: 10/25/2013 22:40

Lab File ID: 11011338.D

Analyte	RT	RT WINDOW	
		FROM	TO
PCB-1016 Peak 1	4.48	4.45	4.53
PCB-1016 Peak 2	5.06	5.02	5.10
PCB-1016 Peak 3	5.73	5.69	5.77
PCB-1016 Peak 4	5.94	5.90	5.98
PCB-1016 Peak 5	6.26	6.22	6.30
PCB-1260 Peak 1	8.79	8.76	8.84
PCB-1260 Peak 2	9.16	9.13	9.21
PCB-1260 Peak 3	9.94	9.90	9.98
PCB-1260 Peak 4	10.45	10.42	10.50
PCB-1260 Peak 5	10.90	10.87	10.95
Tetrachloro-m-xylene	3.81	3.77	3.85
DCB Decachlorobiphenyl	13.57	13.53	13.61

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D
Lims ID: CCV Client ID:
Inject. Date: 01-Nov-2013 22:28:51 Dil. Factor: 1.0000
Sample Type: CCV
Sample ID: CCV
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 38
Lims Batch ID: 198824 Lims Sample ID: 38
Sublist: chrom-8082_608_W*sub3
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m
Last Update: 02-Nov-2013 08:48:41 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP2 Pesticides Column 2 Column Dia: 0.32 mm
Process Host: XAWRK001

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:47:27

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.997	4.000	-0.003	215965	23.5			
2	2	3.810	3.813	-0.003	170497	23.3			
						RPD = 0.92			
5 PCB-1016									M
1	1	5.047	5.050	-0.003	192238	498.8		100.0	
1	2	5.750	5.753	-0.003	352421	490.0	144.0- 224.0	183.3	
1	3	5.960	5.963	-0.003	157312	495.4	42.1- 122.1	81.8	
1	4	6.057	6.060	-0.003	106361	498.1	14.1- 94.1	55.3	
1	5	6.620	6.623	-0.003	171103	497.4	48.4- 128.4	89.0	M
			Average of Peak Amounts =			495.9			
2	6	4.483	4.487	-0.004	76258	506.8		100.0	
2	7	5.060	5.063	-0.003	157180	496.6	168.4- 248.4	206.1	
2	8	5.730	5.733	-0.003	273336	493.6	317.6- 397.6	358.4	
2	9	5.937	5.940	-0.003	128457	490.4	127.5- 207.5	168.5	
2	10	6.260	6.263	-0.003	67675	496.4	47.1- 127.1	88.7	
			Average of Peak Amounts =			496.8			
						RPD = 0.16			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									M
1	1	8.680	8.683	-0.003	239679	508.1		100.0	M
1	2	9.647	9.653	-0.006	386199	500.8	125.9- 205.9	161.1	M
1	3	10.287	10.290	-0.003	198889	532.3	43.2- 123.2	83.0	M
1	4	10.837	10.843	-0.006	432742	517.8	144.8- 224.8	180.6	M
1	5	11.340	11.343	-0.003	214636	481.8	54.9- 134.9	89.6	
			Average of Peak Amounts =			508.2			
2	6	8.793	8.800	-0.007	180707	499.8		100.0	
2	7	9.160	9.167	-0.007	193528	499.6	67.1- 147.1	107.1	
2	8	9.940	9.943	-0.003	125939	500.3	29.7- 109.7	69.7	
2	9	10.450	10.457	-0.007	137542	501.1	35.3- 115.3	76.1	
2	10	10.900	10.907	-0.007	274184	503.9	108.5- 188.5	151.7	
			Average of Peak Amounts =			500.9			
						RPD = 1.43			
$ 13 DCB Decachlorobiphenyl									
1	1	13.307	13.310	-0.003	188927	24.4			
2	2	13.567	13.570	-0.003	129915	24.7			
						RPD = 1.20			
S 15 Polychlorinated biphenyls, Total									
1						1004.1			
2						997.7			
						RPD = 0.64			

QC Flag Legend

Review Flags
M - Manually Integrated

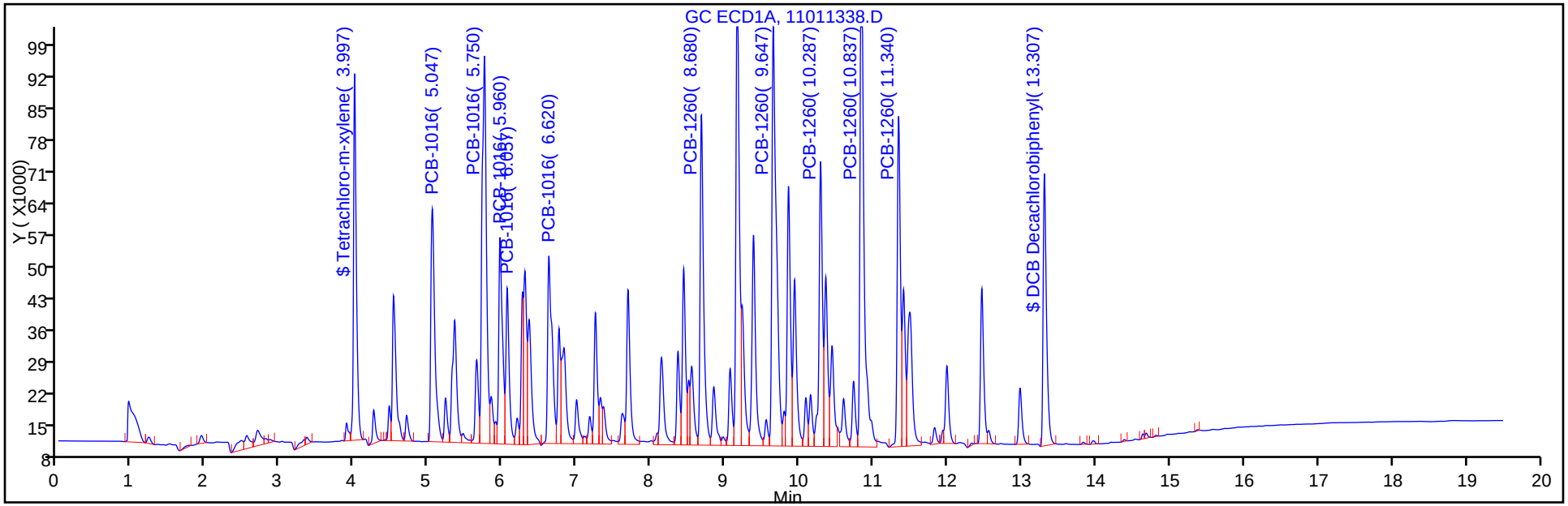
Report Date: 02-Nov-2013 08:48:41 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

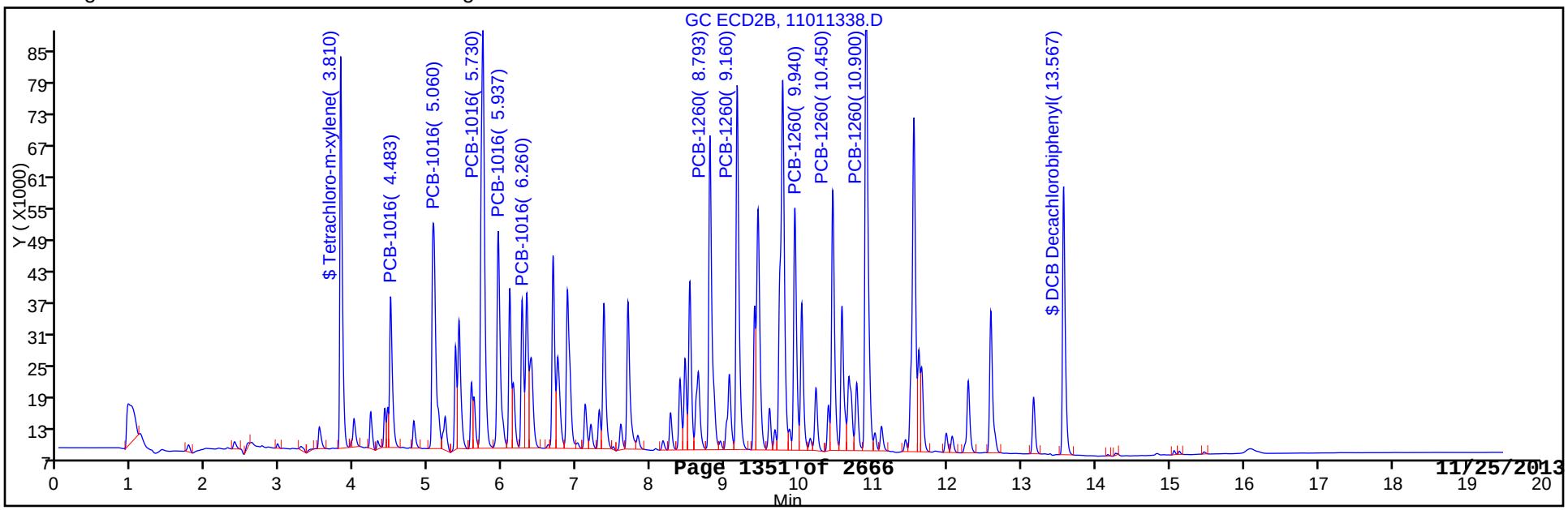
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011338.D

Injection Date:	01-Nov-2013 22:28:51	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	38
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP2 Pesticides Column 2	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 280-198319/1-A

Matrix: Solid | Lab File ID: 11011323.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.4(g) | Date Analyzed: 11/01/2013 16:40

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 198824 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	9.9	U	33	9.9	5.0
11104-28-2	PCB-1221	20	U	33	20	15
11141-16-5	PCB-1232	15	U	33	15	5.1
53469-21-9	PCB-1242	9.9	U	33	9.9	9.0
12672-29-6	PCB-1248	9.9	U	33	9.9	5.5
11097-69-1	PCB-1254	9.9	U	33	9.9	5.4
11096-82-5	PCB-1260	9.9	U	33	9.9	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	102		60-125
877-09-8	Tetrachloro-m-xylene	84		53-128

TestAmerica Denver
Target Compound Quantitation Report

Data File:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\11011323.D		
Lims ID:	MB 280-198319/1-A	Client ID:	
Inject. Date:	01-Nov-2013 16:40:37	Dil. Factor:	1.0000
Sample Type:	MB		
Sample ID:	MB 280-198319/1-		
Misc. Info.:			
Operator:	JAX	Instrument ID:	SGC_W
Injection Vol:	1.0 ul	ALS Bottle#:	23
Lims Batch ID:	198824	Lims Sample ID:	23
Detector 1 :	GC ECD1A		
Detector 2 :	GC ECD2B		
Method:	\\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m		
Last Update:	02-Nov-2013 08:48:27	Calib Date:	26-Oct-2013 04:04:30
Quant Method:	External Standard	Quant By:	Initial Calibration
Last ICal File:	\\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D		
Limit Group:	GCSV - 8082		
Integrator:	Falcon		
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm
Process Host:	XAWRK001		

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:42

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	155487	16.9			
2	2	3.810	3.813	-0.003	131197	17.8			
						RPD = 5.58			
2 PCB-1221									1
1	1		4.267						
1	2		4.470						
1	3		4.513						
2	4		4.267						
2	5		4.407						
2	6		4.533						
3 PCB-1232									1
1	1		4.267						
1	2		4.513						
1	3		5.733						
1	4		5.970						
1	5		6.630						
2	6		4.267						
2	7		4.533						
2	8		5.743						
2	9		5.953						
2	10		6.883						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
4 PCB-1242									1
1	1		4.513						
1	2		5.037						
1	3		5.733						
1	4		5.967						
1	5		6.627						
2	6		4.533						
2	7		5.743						
2	8		5.953						
2	9		6.697						
2	10		6.883						
6 PCB-1248									1
1	1		5.037						
1	2		5.733						
1	3		6.630						
1	4		7.140						
1	5		8.360						
2	6		5.083						
2	7		5.743						
2	8		6.883						
2	9		7.320						
2	10		7.360						
5 PCB-1016									1
1	1		5.050						
1	2		5.753						
1	3		5.963						
1	4		6.060						
1	5		6.623						
2	6		4.487						
2	7		5.063						
2	8		5.733						
2	9		5.940						
2	10		6.263						
7 PCB-1254									1
1	1		7.247						
1	2		8.183						
1	3		8.360						
1	4		9.163						
1	5		9.647						
2	6		7.360						
2	7		7.710						
2	8		8.463						
2	9		9.170						
2	10		9.783						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
10 PCB-5432									
1	1		8.517						
1	2		9.297						
1	3		10.190						
1	4		11.033						
1	5		12.053						
2	6		9.297						
2	7		9.980						
2	8		10.937						
2	9		11.723						
2	10		12.030						
8 PCB-1262									1
1	1		8.677						
1	2		9.853						
1	3		10.297						
1	4		10.833						
1	5		11.407						
2	6		8.800						
2	7		9.170						
2	8		9.947						
2	9		10.460						
2	10		10.910						
9 PCB-1260									1
1	1		8.683						
1	2		9.653						
1	3		10.290						
1	4		10.843						
1	5		11.343						
2	6		8.800						
2	7		9.167						
2	8		9.943						
2	9		10.457						
2	10		10.907						
12 PCB-1268									1
1	1		11.407						
1	2		11.507						
1	3		11.813						
1	4		11.987						
1	5		12.983						
2	6		11.553						
2	7		11.667						
2	8		12.087						
2	9		12.263						
2	10		13.170						

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
11 PCB-5442									
1	1		11.517						
1	2		12.143						
1	3		12.597						
1	4		12.907						
1	5		13.293						
2	6		12.320						
2	7		12.570						
2	8		12.727						
2	9		13.047						
2	10		13.483						
$ 13 DCB Decachlorobiphenyl									
1	1	13.303	13.310	-0.007	159453	20.5			
2	2	13.567	13.570	-0.003	108161	20.4			
						RPD = 0.42			
14 PCB-5460									
1	1		14.757						
1	2		15.080						
1	3		15.587						
1	4		15.960						
1	5		16.697						
2	6		15.110						
2	7		15.600						
2	8		15.980						
2	9		17.247						
2	10		18.077						
S 15 Polychlorinated biphenyls, Total									
1	1		17.000						
2	2		14.000						

QC Flag Legend

Processing Flags
1 - Missing Peaks

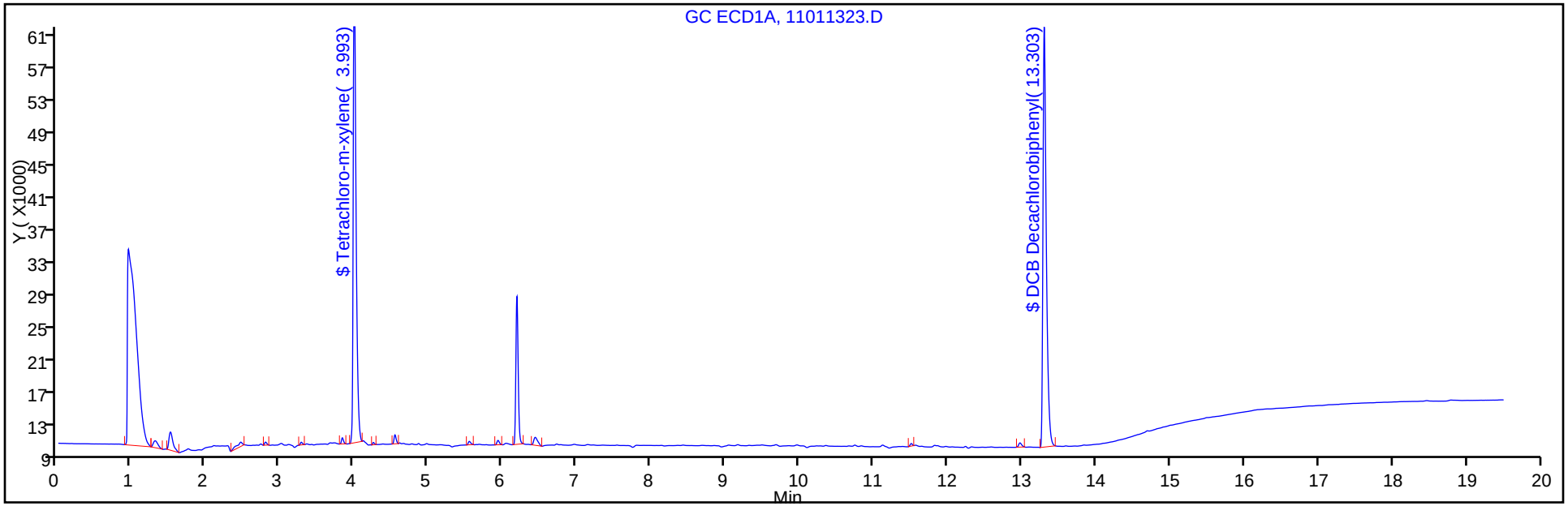
Report Date: 02-Nov-2013 08:48:28 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

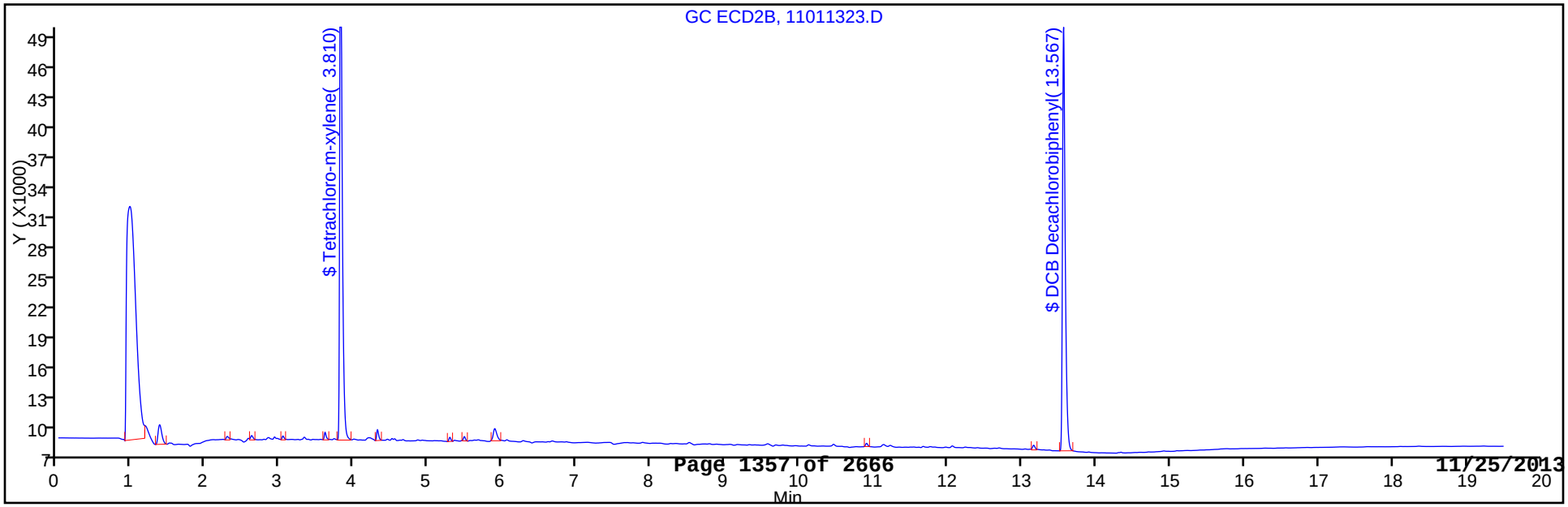
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011323.D

Injection Date:	01-Nov-2013 16:40:37	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	23
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



FORM I
PCBS ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Denver | Job No.: 280-48486-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 280-198319/4-A

Matrix: Solid | Lab File ID: 11011324.D

Analysis Method: 8082A | Date Collected:

Extraction Method: 3546 | Date Extracted: 10/29/2013 18:50

Sample wt/vol: 30.3(g) | Date Analyzed: 11/01/2013 17:03

Con. Extract Vol.: 10000(uL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: CLP1 ID: 0.32(mm)

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

Analysis Batch No.: 198824 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
12674-11-2	PCB-1016	57.7		33	9.9	5.0
11096-82-5	PCB-1260	63.5		33	9.9	2.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
2051-24-3	DCB Decachlorobiphenyl	104		60-125
877-09-8	Tetrachloro-m-xylene	86		53-128

TestAmerica Denver
Target Compound Quantitation Report

Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011324.D
Lims ID: LCS 280-198319/4-A Client ID:
Inject. Date: 01-Nov-2013 17:03:39 Dil. Factor: 1.0000
Sample Type: LCS
Sample ID: LCS 280-198319/4
Misc. Info.:
Operator: JAX Instrument ID: SGC_W
Injection Vol: 1.0 ul ALS Bottle#: 24
Lims Batch ID: 198824 Lims Sample ID: 24
Detector 1 : GC ECD1A
Detector 2 : GC ECD2B

Method: \\Denchrom\ChromData\SGC_W\20131101-16956.b\8082_608_W.m
Last Update: 02-Nov-2013 08:48:27 Calib Date: 26-Oct-2013 04:04:30
Quant Method: External Standard Quant By: Initial Calibration
Last ICal File: \\Denchrom\ChromData\SGC_W\20131025-16736.b\10251335.D
Limit Group: GCSV - 8082
Integrator: Falcon
Column Type: CLP1 Pesticides Column 1 Column Dia: 0.32 mm
Process Host: XAWRK001

First Level Reviewer: jacksonto Date: 02-Nov-2013 08:42:47

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
$ 1 Tetrachloro-m-xylene									
1	1	3.993	4.000	-0.007	158457	17.2			
2	2	3.810	3.813	-0.003	131546	17.9			
						RPD = 3.93			
5 PCB-1016									
1	1	5.043	5.050	-0.007	77966	189.0		100.0	
1	2	5.747	5.753	-0.006	129716	173.4	144.0- 224.0	166.4	
1	3	5.960	5.963	-0.003	56073	169.9	42.1- 122.1	71.9	
1	4	6.053	6.060	-0.007	33450	156.1	14.1- 94.1	42.9	
1	5	6.617	6.623	-0.006	67767	185.6	48.4- 128.4	86.9	
			Average of Peak Amounts =			174.8			
2	6	4.483	4.487	-0.004	32024	200.7		100.0	
2	7	5.060	5.063	-0.003	67883	200.5	168.4- 248.4	212.0	
2	8	5.727	5.733	-0.006	112395	192.9	317.6- 397.6	351.0	
2	9	5.937	5.940	-0.003	59189	214.3	127.5- 207.5	184.8	
2	10	6.257	6.263	-0.006	28348	194.1	47.1- 127.1	88.5	
			Average of Peak Amounts =			200.5			
						RPD = 13.69			

Det	Sig	RT	EXP RT	DLT RT	Response	On-Col Amt ng/ml	Ratio Range	Ratio	Flags
9 PCB-1260									
1	1	8.680	8.683	-0.003	95533	192.0		100.0	
1	2	9.647	9.653	-0.006	142512	177.8	125.9- 205.9	149.2	
1	3	10.287	10.290	-0.003	78811	202.9	43.2- 123.2	82.5	
1	4	10.837	10.843	-0.006	173196	201.1	144.8- 224.8	181.3	
1	5	11.340	11.343	-0.003	87039	188.9	54.9- 134.9	91.1	
			Average of Peak Amounts =			192.5			
2	6	8.797	8.800	-0.003	75853	198.7		100.0	
2	7	9.163	9.167	-0.004	84673	206.4	67.1- 147.1	111.6	
2	8	9.940	9.943	-0.003	62050	238.2	29.7- 109.7	81.8	
2	9	10.453	10.457	-0.004	65170	229.3	35.3- 115.3	85.9	
2	10	10.903	10.907	-0.004	127965	227.9	108.5- 188.5	168.7	
			Average of Peak Amounts =			220.1			
						RPD = 13.36			
$ 13 DCB Decachlorobiphenyl									
1	1	13.303	13.310	-0.007	161633	20.8			
2	2	13.567	13.570	-0.003	109561	20.7			
						RPD = 0.47			

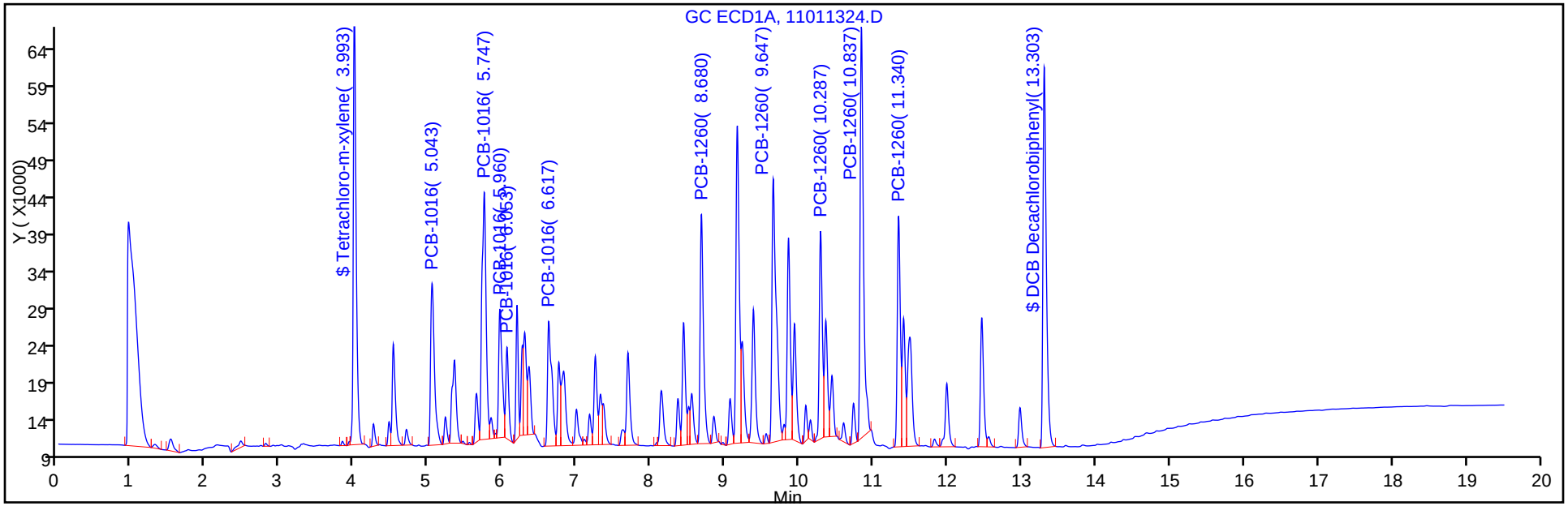
Report Date: 02-Nov-2013 08:48:29 Chrom Revision: 2.0 14-Jul-2013 20:56:00

TestAmerica Denver

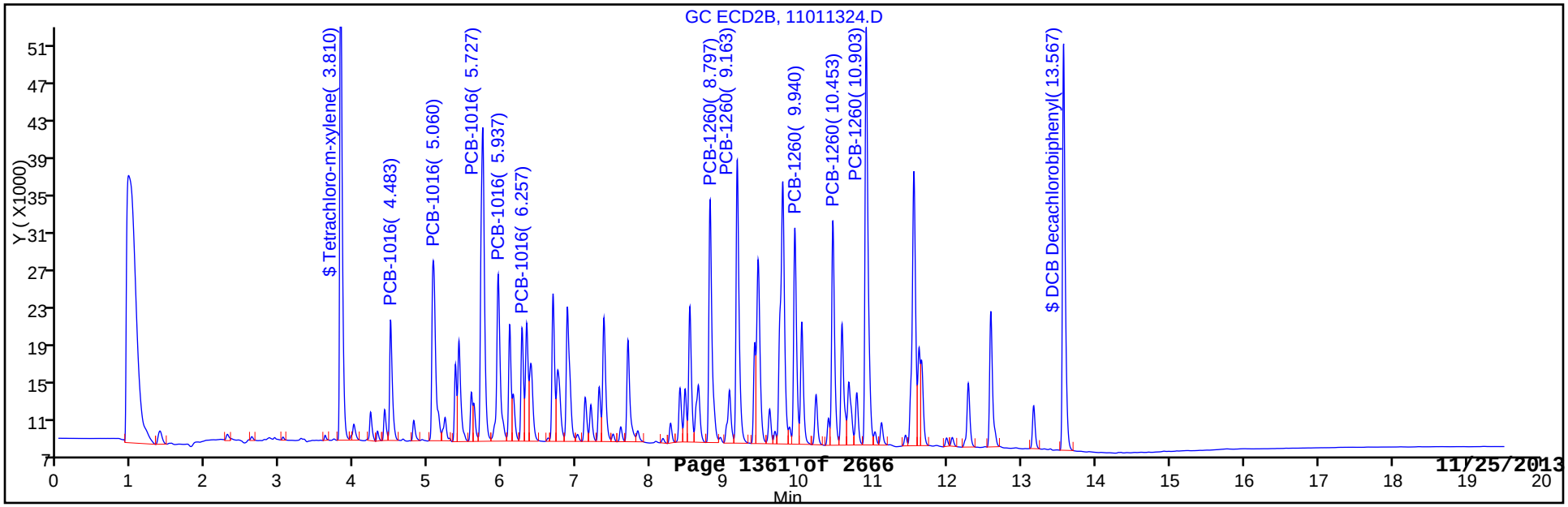
Data File: \\Denchrom\ChromData\SGC_W\20131101-16956.b\11011324.D

Injection Date:	01-Nov-2013 17:03:39	Limit Group:	GCSV - 8082
Client ID:		Instrument ID:	SGC_W
Lims Batch ID:	198824	Lims Sample ID:	24
Operator ID:	JAX	Injection Vol:	1.0 ul
Column Type:	CLP1 Pesticides Column 1	Column Dia:	0.32 mm

Y Scaling: Method Defined: Scale to the Nth Largest Target: 2



Y Scaling: Method Defined: Scale to the Nth Largest Peak: 2



PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 10/25/2013 14:57

Analysis Batch Number: 197868 End Date: 10/26/2013 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STDL71248 280-197868/1 IC		10/25/2013 14:57	1	10251301.D	CLP1 0.32(mm)
STDL71248 280-197868/1 IC		10/25/2013 14:57	1	10251301.D	CLP2 0.32(mm)
STDL61248 280-197868/2 IC		10/25/2013 15:20	1	10251302.D	CLP1 0.32(mm)
STDL61248 280-197868/2 IC		10/25/2013 15:20	1	10251302.D	CLP2 0.32(mm)
STDL51248 280-197868/3 IC		10/25/2013 15:43	1	10251303.D	CLP1 0.32(mm)
STDL51248 280-197868/3 IC		10/25/2013 15:43	1	10251303.D	CLP2 0.32(mm)
STDL41248 280-197868/4 IC		10/25/2013 16:06	1	10251304.D	CLP1 0.32(mm)
STDL41248 280-197868/4 IC		10/25/2013 16:06	1	10251304.D	CLP2 0.32(mm)
STDL31248 280-197868/5 IC		10/25/2013 16:29	1	10251305.D	CLP1 0.32(mm)
STDL31248 280-197868/5 IC		10/25/2013 16:29	1	10251305.D	CLP2 0.32(mm)
STDL21248 280-197868/6 IC		10/25/2013 16:53	1	10251306.D	CLP1 0.32(mm)
STDL21248 280-197868/6 IC		10/25/2013 16:53	1	10251306.D	CLP2 0.32(mm)
STDL11248 280-197868/7 IC		10/25/2013 17:16	1	10251307.D	CLP1 0.32(mm)
STDL11248 280-197868/7 IC		10/25/2013 17:16	1	10251307.D	CLP2 0.32(mm)
STDL72154 280-197868/8 IC		10/25/2013 17:39	1	10251308.D	CLP1 0.32(mm)
STDL72154 280-197868/8 IC		10/25/2013 17:39	1	10251308.D	CLP2 0.32(mm)
STDL62154 280-197868/9 IC		10/25/2013 18:02	1	10251309.D	CLP1 0.32(mm)
STDL62154 280-197868/9 IC		10/25/2013 18:02	1	10251309.D	CLP2 0.32(mm)
STDL52154 280-197868/10 IC		10/25/2013 18:25	1	10251310.D	CLP1 0.32(mm)
STDL52154 280-197868/10 IC		10/25/2013 18:25	1	10251310.D	CLP2 0.32(mm)
STDL42154 280-197868/11 IC		10/25/2013 18:48	1	10251311.D	CLP1 0.32(mm)
STDL42154 280-197868/11 IC		10/25/2013 18:48	1	10251311.D	CLP2 0.32(mm)
STDL32154 280-197868/12 IC		10/25/2013 19:11	1	10251312.D	CLP1 0.32(mm)
STDL32154 280-197868/12 IC		10/25/2013 19:11	1	10251312.D	CLP2 0.32(mm)
STDL22154 280-197868/13 IC		10/25/2013 19:34	1	10251313.D	CLP1 0.32(mm)
STDL22154 280-197868/13 IC		10/25/2013 19:34	1	10251313.D	CLP2 0.32(mm)
STDL12154 280-197868/14 IC		10/25/2013 19:57	1	10251314.D	CLP1 0.32(mm)
STDL12154 280-197868/14 IC		10/25/2013 19:57	1	10251314.D	CLP2 0.32(mm)
STDL71660 280-197868/15 IC		10/25/2013 20:21	1	10251315.D	CLP1 0.32(mm)
STDL71660 280-197868/15 IC		10/25/2013 20:21	1	10251315.D	CLP2 0.32(mm)
STDL61660 280-197868/16 IC		10/25/2013 20:44	1	10251316.D	CLP1 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 10/25/2013 14:57

Analysis Batch Number: 197868 End Date: 10/26/2013 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STDL61660 280-197868/16 IC		10/25/2013 20:44	1	10251316.D	CLP2 0.32(mm)
STDL51660 280-197868/17 IC		10/25/2013 21:07	1	10251317.D	CLP1 0.32(mm)
STDL51660 280-197868/17 IC		10/25/2013 21:07	1	10251317.D	CLP2 0.32(mm)
STDL41660 280-197868/18 IC		10/25/2013 21:30	1	10251318.D	CLP1 0.32(mm)
STDL41660 280-197868/18 IC		10/25/2013 21:30	1	10251318.D	CLP2 0.32(mm)
STDL31660 280-197868/19 IC		10/25/2013 21:54	1	10251319.D	CLP1 0.32(mm)
STDL31660 280-197868/19 IC		10/25/2013 21:54	1	10251319.D	CLP2 0.32(mm)
STDL21660 280-197868/20 IC		10/25/2013 22:17	1	10251320.D	CLP1 0.32(mm)
STDL21660 280-197868/20 IC		10/25/2013 22:17	1	10251320.D	CLP2 0.32(mm)
STDL11660 280-197868/21 IC		10/25/2013 22:40	1	10251321.D	CLP1 0.32(mm)
STDL11660 280-197868/21 IC		10/25/2013 22:40	1	10251321.D	CLP2 0.32(mm)
STDL73262 280-197868/22 IC		10/25/2013 23:03	1	10251322.D	CLP1 0.32(mm)
STDL73262 280-197868/22 IC		10/25/2013 23:03	1	10251322.D	CLP2 0.32(mm)
STDL63262 280-197868/23 IC		10/25/2013 23:26	1	10251323.D	CLP1 0.32(mm)
STDL63262 280-197868/23 IC		10/25/2013 23:26	1	10251323.D	CLP2 0.32(mm)
STDL53262 280-197868/24 IC		10/25/2013 23:50	1	10251324.D	CLP1 0.32(mm)
STDL53262 280-197868/24 IC		10/25/2013 23:50	1	10251324.D	CLP2 0.32(mm)
STDL43262 280-197868/25 IC		10/26/2013 00:13	1	10251325.D	CLP1 0.32(mm)
STDL43262 280-197868/25 IC		10/26/2013 00:13	1	10251325.D	CLP2 0.32(mm)
STDL33262 280-197868/26 IC		10/26/2013 00:36	1	10251326.D	CLP1 0.32(mm)
STDL33262 280-197868/26 IC		10/26/2013 00:36	1	10251326.D	CLP2 0.32(mm)
STDL23262 280-197868/27 IC		10/26/2013 00:59	1	10251327.D	CLP1 0.32(mm)
STDL23262 280-197868/27 IC		10/26/2013 00:59	1	10251327.D	CLP2 0.32(mm)
STDL13262 280-197868/28 IC		10/26/2013 01:22	1	10251328.D	CLP1 0.32(mm)
STDL13262 280-197868/28 IC		10/26/2013 01:22	1	10251328.D	CLP2 0.32(mm)
STDL74268 280-197868/29 IC		10/26/2013 01:45	1	10251329.D	CLP1 0.32(mm)
STDL74268 280-197868/29 IC		10/26/2013 01:45	1	10251329.D	CLP2 0.32(mm)
STDL64268 280-197868/30 IC		10/26/2013 02:08	1	10251330.D	CLP1 0.32(mm)
STDL64268 280-197868/30 IC		10/26/2013 02:08	1	10251330.D	CLP2 0.32(mm)
STDL54268 280-197868/31 IC		10/26/2013 02:31	1	10251331.D	CLP1 0.32(mm)
STDL54268 280-197868/31 IC		10/26/2013 02:31	1	10251331.D	CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 10/25/2013 14:57

Analysis Batch Number: 197868 End Date: 10/26/2013 06:01

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
STDL44268 280-197868/32 IC		10/26/2013 02:54	1	10251332.D	CLP1 0.32(mm)
STDL44268 280-197868/32 IC		10/26/2013 02:54	1	10251332.D	CLP2 0.32(mm)
STDL34268 280-197868/33 IC		10/26/2013 03:17	1	10251333.D	CLP1 0.32(mm)
STDL34268 280-197868/33 IC		10/26/2013 03:17	1	10251333.D	CLP2 0.32(mm)
STDL24268 280-197868/34 IC		10/26/2013 03:41	1	10251334.D	CLP1 0.32(mm)
STDL24268 280-197868/34 IC		10/26/2013 03:41	1	10251334.D	CLP2 0.32(mm)
STDL14268 280-197868/35 IC		10/26/2013 04:04	1	10251335.D	CLP1 0.32(mm)
STDL14268 280-197868/35 IC		10/26/2013 04:04	1	10251335.D	CLP2 0.32(mm)
ICV 280-197868/36		10/26/2013 04:27	1	10251336.D	CLP1 0.32(mm)
ICV 280-197868/36		10/26/2013 04:27	1	10251336.D	CLP2 0.32(mm)
ICV 280-197868/37		10/26/2013 04:51	1	10251337.D	CLP1 0.32(mm)
ICV 280-197868/37		10/26/2013 04:51	1	10251337.D	CLP2 0.32(mm)
ICV 280-197868/38		10/26/2013 05:14	1	10251338.D	CLP1 0.32(mm)
ICV 280-197868/38		10/26/2013 05:14	1	10251338.D	CLP2 0.32(mm)
ICV 280-197868/39		10/26/2013 05:37	1	10251339.D	CLP1 0.32(mm)
ICV 280-197868/39		10/26/2013 05:37	1	10251339.D	CLP2 0.32(mm)
ICV 280-197868/40		10/26/2013 06:01	1	10251340.D	CLP1 0.32(mm)
ICV 280-197868/40		10/26/2013 06:01	1	10251340.D	CLP2 0.32(mm)

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 11/01/2013 08:56

Analysis Batch Number: 198824 End Date: 11/01/2013 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVRT 280-198824/3		11/01/2013 08:56	1	11011303.D	CLP1 0.32(mm)
CCVRT 280-198824/3		11/01/2013 08:56	1	11011303.D	CLP2 0.32(mm)
ZZZZZ		11/01/2013 09:19	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 09:19	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 09:42	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 09:42	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 10:06	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 10:06	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 10:29	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 10:29	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 10:52	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 10:52	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 11:15	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 11:15	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 11:39	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 11:39	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 12:02	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 12:02	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 12:25	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 12:25	1		CLP2 0.32(mm)
CCV 280-198824/13		11/01/2013 12:48	1		CLP1 0.32(mm)
CCV 280-198824/13		11/01/2013 12:48	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 13:11	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 13:11	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 13:34	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 13:34	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 13:58	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 13:58	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 14:21	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 14:21	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 14:45	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 14:45	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 15:08	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 15:08	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 15:31	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 15:31	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 15:54	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 15:54	1		CLP2 0.32(mm)
CCV 280-198824/22		11/01/2013 16:17	1	11011322.D	CLP1 0.32(mm)
CCV 280-198824/22		11/01/2013 16:17	1	11011322.D	CLP2 0.32(mm)
MB 280-198319/1-A		11/01/2013 16:40	1	11011323.D	CLP1 0.32(mm)
MB 280-198319/1-A		11/01/2013 16:40	1	11011323.D	CLP2 0.32(mm)
LCS 280-198319/4-A		11/01/2013 17:03	1	11011324.D	CLP1 0.32(mm)
LCS 280-198319/4-A		11/01/2013 17:03	1	11011324.D	CLP2 0.32(mm)
ZZZZZ		11/01/2013 17:26	1		CLP1 0.32(mm)

8082A

PCBS ANALYSIS RUN LOG

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: SGC_W Start Date: 11/01/2013 08:56

Analysis Batch Number: 198824 End Date: 11/01/2013 22:28

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		11/01/2013 17:26	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 17:50	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 17:50	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 18:13	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 18:13	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 18:36	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 18:36	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 19:00	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 19:00	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 19:23	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 19:23	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 19:46	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 19:46	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 20:09	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 20:09	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 20:32	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 20:32	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 20:55	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 20:55	1		CLP2 0.32(mm)
ZZZZZ		11/01/2013 21:18	1		CLP1 0.32(mm)
ZZZZZ		11/01/2013 21:18	1		CLP2 0.32(mm)
280-48486-1	AOI474BF	11/01/2013 21:42	1	11011336.D	CLP1 0.32(mm)
280-48486-1	AOI474BF	11/01/2013 21:42	1	11011336.D	CLP2 0.32(mm)
CCV 280-198824/38		11/01/2013 22:28	1	11011338.D	CLP1 0.32(mm)
CCV 280-198824/38		11/01/2013 22:28	1	11011338.D	CLP2 0.32(mm)

PCBS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198319 Batch Start Date: 10/29/13 18:50 Batch Analyst: Pottruff, Erma J

Batch Method: 3546 Batch End Date: 10/30/13 11:02

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	8081/82 Surr 00061	8082 LCS 00034	AnalysisComment	
MB 280-198319/1		3546, 8082A		30.4 g	10000 uL	1 mL			
LCS 280-198319/4		3546, 8082A		30.3 g	10000 uL	1 mL	1 mL	82	
280-48486-A-1	AOI474BF	3546, 8082A	T	30.1 g	10000 uL	1 mL			

Batch Notes	
Balance ID	24350888
Batch Comment	weighed by EJ filtered by EJ pip: OP-P1 (11.3)/ OP-P3 (2.00)
Person's name who did the concentration	Adams, A./ Scoles, B.
Exchange Solvent Lot #	Hexane_Cycl_00018
Exchange Solvent Name	Hexane
Final Concentrator Volume	10 mL
Florisil Lot #	930673; FlorisilSol_00046; By Adams, A.; pip: I (1mLx2)
MeCL2 Lot #	MeCl2_Cycl_00130
MeCl2/Acetone Lot #	1:1AceMeCl2_00034
Microwave Start Time	10/29/13 @ 1945
Microwave Stop Time	10/29/13 @ 2145
Na2SO4 Lot Number	K10624_0001
Ottawa Sand Lot #	2BI0314
Pipette ID	E
Person's name who did the prep	Erma P
SOP Number	DV OP 0015/0007
Person who witnessed spiking	BJ
Water Bath ID	A
Water Bath Temperature	88 (Obs: 87)

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

COVER PAGE
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

Project: Griffiss AFB Building 3

Client Sample ID	Lab Sample ID
AOI474BF	280-48486-1

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: AOI474BF
Lab Sample ID: 280-48486-1
Lab Name: TestAmerica Denver
Job No.: 280-48486-1
SDG ID.:
Matrix: Solid
Date Sampled: 10/25/2013 11:00
Reporting Basis: DRY
Date Received: 10/28/2013 08:35
% Solids: 89.9

Analyte	Result	LOQ	LOD	DL	Units	C	Q	DIL	Method
Aluminum	5300	55	3.3	1.7	mg/Kg			1	6010C
Antimony	0.66	2.2	0.66	0.42	mg/Kg	U		1	6010C
Arsenic	3.9	2.8	1.1	0.73	mg/Kg			1	6010C
Barium	24	2.2	0.20	0.084	mg/Kg			1	6010C
Beryllium	0.26	0.55	0.077	0.036	mg/Kg	J		1	6010C
Boron	2.2	11	1.1	1.1	mg/Kg	J		1	6010C
Cadmium	0.11	0.55	0.11	0.045	mg/Kg	J		1	6010C
Calcium	12000	110	22	16	mg/Kg			1	6010C
Chromium	5.9	3.9	0.17	0.064	mg/Kg			1	6010C
Cobalt	4.0	1.1	0.22	0.11	mg/Kg			1	6010C
Copper	14	5.5	0.55	0.24	mg/Kg			1	6010C
Iron	11000	88	5.5	4.2	mg/Kg			1	6010C
Lead	5.2	0.99	0.88	0.30	mg/Kg			1	6010C
Magnesium	3200	33	5.5	4.1	mg/Kg			1	6010C
Manganese	420	5.0	0.17	0.11	mg/Kg		Q	1	6010C
Molybdenum	0.55	2.8	0.55	0.29	mg/Kg	U		1	6010C
Nickel	8.5	4.4	0.22	0.14	mg/Kg			1	6010C
Potassium	770	330	55	45	mg/Kg			1	6010C
Selenium	1.3	3.3	1.3	0.95	mg/Kg	U		1	6010C
Silver	0.22	1.7	0.22	0.18	mg/Kg	U		1	6010C
Sodium	110	550	110	65	mg/Kg	U		1	6010C
Strontium	19	1.7	0.088	0.040	mg/Kg		Q	1	6010C
Thallium	1.3	3.3	1.3	0.72	mg/Kg	U		1	6010C
Vanadium	9.5	2.2	0.22	0.10	mg/Kg		Q	1	6010C
Zinc	29	8.8	0.88	0.44	mg/Kg			1	6010C
Mercury	13	20	15	6.4	ug/Kg	J		1	7471B

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	ICVH 280-200251/6 11/08/2013 14:44				CCVH 280-200251/62 11/08/2013 19:39				CCVH 280-200251/73 11/08/2013 20:03			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	81000		80000	101	48600		50000	97	49400		50000	99
Sodium	42000		40000	105	256000		250000	103	256000		250000	102
Aluminum	40900		40000	102	51300		50000	103	51100		50000	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00290

Analyte	CCVH 280-200251/82 11/08/2013 20:24											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Iron	49200		50000	98								
Sodium	258000		250000	103								
Aluminum	51500		50000	103								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	ICV 280-200251/8 11/08/2013 14:57				ICV 280-200251/9 11/08/2013 14:59				CCV 280-200251/63 11/08/2013 19:41			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	248		250	99	252		250	101	987		1000	99
Barium	253		250	101	252		250	101	509		500	102
Beryllium	245		250	98	243		250	97	503		500	101
Cadmium	253		250	101	253		250	101	503		500	101
Calcium	2060		2000	103	2030		2000	102	5060		5000	101
Chromium	254		250	101	254		250	102	497		500	99
Cobalt	253		250	101	255		250	102	508		500	102
Copper	253		250	101	255		250	102	512		500	102
Iron	257		250	103	255		250	102	2420		2500	97
Lead	257		250	103	257		250	103	1020		1000	102
Magnesium	9990		10000	100	10100		10000	101	19700		20000	99
Manganese	252		250	101	254		250	102	504		500	101
Molybdenum	249		250	100	250		250	100	498		500	100
Nickel	256		250	102	256		250	102	505		500	101
Potassium	20300		20000	102	20100		20000	101	51400		50000	103
Selenium	495		500	99	497		500	99	991		1000	99
Silver	251		250	100	252		250	101	498		500	100
Sodium	2030		2000	101	2030		2000	101	5420		5000	108
Strontium	251		250	100	250		250	100	504		500	101
Thallium	523		500	105	527		500	105	1040		1000	104
Vanadium	248		250	99	249		250	100	508		500	102
Zinc	254		250	102	256		250	103	499		500	100
Aluminum	269		250	108	269		250	108	521		500	104
Antimony	255		250	102	257		250	103	1020		1000	102
Boron	252		250	101	252		250	101	512		500	102

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00346

Analyte	CCV 280-200251/74 11/08/2013 20:06				CCV 280-200251/83 11/08/2013 20:26							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	988		1000	99	988		1000	99				
Barium	509		500	102	509		500	102				
Beryllium	502		500	100	500		500	100				
Cadmium	503		500	101	502		500	100				
Calcium	5050		5000	101	5060		5000	101				
Chromium	499		500	100	498		500	100				
Cobalt	510		500	102	509		500	102				
Copper	513		500	103	507		500	101				
Iron	2450		2500	98	2440		2500	97				
Lead	1030		1000	103	1030		1000	103				
Magnesium	19800		20000	99	19800		20000	99				
Manganese	507		500	101	505		500	101				
Molybdenum	501		500	100	498		500	100				
Nickel	506		500	101	505		500	101				
Potassium	51400		50000	103	51400		50000	103				
Selenium	992		1000	99	988		1000	99				
Silver	498		500	100	495		500	99				
Sodium	5330		5000	107	5310		5000	106				
Strontium	505		500	101	504		500	101				
Thallium	1040		1000	104	1040		1000	104				
Vanadium	510		500	102	507		500	101				
Zinc	505		500	101	502		500	100				
Aluminum	529		500	106	533		500	107				
Antimony	1020		1000	102	1010		1000	101				
Boron	503		500	101	500		500	100				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01011 Concentration Units: ug/L

CCV Source: ICP LLCCV_01011

Analyte	ICVL 280-200251/10 11/08/2013 15:16				CCVL 280-200251/65 11/08/2013 19:46				CCVL 280-200251/76 11/08/2013 20:10			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	13.9	J	15.0	92	12.4	J	15.0	83	13.8	J	15.0	92
Barium	9.90	J	10.0	99	10.2		10.0	102	11.1		10.0	111
Beryllium	1.11		1.00	111	1.09		1.00	109	1.18		1.00	118
Cadmium	5.67		5.00	113	5.33		5.00	107	5.35		5.00	107
Calcium	213		200	107	211		200	106	221		200	110
Chromium	10.8		10.0	108	10.4		10.0	104	10.6		10.0	106
Cobalt	10.6		10.0	106	10.5		10.0	105	10.9		10.0	109
Copper	15.6		15.0	104	15.2		15.0	102	15.9		15.0	106
Iron	106		100	106	103		100	103	118		100	118
Lead	11.4		9.00	127	10.3		9.00	114	10.7		9.00	118
Magnesium	209		200	105	205		200	103	211		200	106
Manganese	10.4		10.0	104	10.4		10.0	104	10.6		10.0	106
Molybdenum	20.2		20.0	101	20.0		20.0	100	20.4		20.0	102
Nickel	42.2		40.0	106	42.2		40.0	105	42.4		40.0	106
Potassium	3090		3000	103	3140		3000	105	3270		3000	109
Selenium	14.9	J	15.0	99	16.9		15.0	113	15.1		15.0	101
Silver	9.75	J	10.0	98	10.3		10.0	103	9.73	J	10.0	97
Sodium	1040		1000	104	1140		1000	114	1150		1000	115
Strontium	10.4		10.0	104	10.2		10.0	102	10.7		10.0	107
Thallium	17.1		15.0	114	17.4		15.0	116	16.8		15.0	112
Vanadium	9.28	J	10.0	93	9.82	J	10.0	98	9.93	J	10.0	99
Zinc	24.4		20.0	122	23.7		20.0	118	25.7		20.0	129
Aluminum	113		100	113	109		100	109	115		100	115
Antimony	11.2		10.0	112	11.8		10.0	118	11.0		10.0	110
Boron	97.1	J	100	97	105		100	105	101		100	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01011 Concentration Units: ug/L

CCV Source: ICP LLCCV_01011

Analyte	CCVL 280-200251/85 11/08/2013 20:30											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	17.2		15.0	115								
Barium	10.6		10.0	106								
Beryllium	1.11		1.00	111								
Cadmium	5.15		5.00	103								
Calcium	212		200	106								
Chromium	10.5		10.0	105								
Cobalt	10.3		10.0	103								
Copper	15.4		15.0	103								
Iron	109		100	109								
Lead	11.2		9.00	124								
Magnesium	209		200	105								
Manganese	10.4		10.0	104								
Molybdenum	20.3		20.0	101								
Nickel	41.7		40.0	104								
Potassium	3150		3000	105								
Selenium	16.5		15.0	110								
Silver	9.34	J	10.0	93								
Sodium	1090		1000	109								
Strontium	10.3		10.0	103								
Thallium	15.8		15.0	105								
Vanadium	10.2		10.0	102								
Zinc	24.5		20.0	122								
Aluminum	118		100	118								
Antimony												
Boron	96.7	J	100	97								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	ICVH 280-200481/6 11/11/2013 15:37				CCVH 280-200481/74 11/11/2013 18:39				CCVH 280-200481/85 11/11/2013 19:04			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	40800		40000	102	51400		50000	103	51300		50000	103
Iron	81000		80000	101	50900		50000	102	51000		50000	102
Sodium	41800		40000	105	260000		250000	104	259000		250000	104

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00122 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	CCVH 280-200481/94 11/11/2013 19:24											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	51200		50000	102								
Iron	50600		50000	101								
Sodium	260000		250000	104								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	ICV 280-200481/7 11/11/2013 15:42				CCV 280-200481/75 11/11/2013 18:42				CCV 280-200481/86 11/11/2013 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	255		250	102	523		500	105	523		500	105
Boron	256		250	102	501		500	100	502		500	100
Antimony	249		250	99	995		1000	99	998		1000	100
Arsenic	251		250	100	996		1000	100	998		1000	100
Barium	250		250	100	495		500	99	495		500	99
Beryllium	243		250	97	492		500	98	493		500	99
Cadmium	252		250	101	500		500	100	500		500	100
Calcium	2020		2000	101	5040		5000	101	5050		5000	101
Chromium	252		250	101	506		500	101	505		500	101
Cobalt	254		250	102	504		500	101	504		500	101
Copper	252		250	101	497		500	99	501		500	100
Iron	251		250	100	2480		2500	99	2510		2500	100
Lead	255		250	102	1020		1000	102	1020		1000	102
Magnesium	10000		10000	100	19600		20000	98	19800		20000	99
Manganese	251		250	101	492		500	98	497		500	99
Molybdenum	247		250	99	510		500	102	509		500	102
Nickel	255		250	102	509		500	102	510		500	102
Potassium	20000		20000	100	50100		50000	100	50300		50000	101
Selenium	507		500	101	999		1000	100	1000		1000	100
Silver	253		250	101	494		500	99	497		500	99
Sodium	2040		2000	102	5370		5000	107	5230		5000	105
Strontium	248		250	99	494		500	99	494		500	99
Thallium	523		500	105	1020		1000	102	1020		1000	102
Vanadium	245		250	98	493		500	99	500		500	100
Zinc	250		250	100	497		500	99	503		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	CCV 280-200481/95 11/11/2013 19:26											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	532		500	106								
Boron	500		500	100								
Antimony	1000		1000	100								
Arsenic	1000		1000	100								
Barium	502		500	100								
Beryllium	498		500	100								
Cadmium	501		500	100								
Calcium	5100		5000	102								
Chromium	508		500	102								
Cobalt	506		500	101								
Copper	503		500	101								
Iron	2520		2500	101								
Lead	1020		1000	102								
Magnesium	20000		20000	100								
Manganese	500		500	100								
Molybdenum	513		500	103								
Nickel	512		500	102								
Potassium	51100		50000	102								
Selenium	1010		1000	101								
Silver	499		500	100								
Sodium	5220		5000	104								
Strontium	501		500	100								
Thallium	1030		1000	103								
Vanadium	503		500	101								
Zinc	510		500	102								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01012 Concentration Units: ug/L

CCV Source: ICP LLCCV_01012

Analyte	ICVL 280-200481/8 11/11/2013 15:45				CCVL 280-200481/77 11/11/2013 18:46				CCVL 280-200481/88 11/11/2013 19:11			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	107		100	107	109		100	109	108		100	108
Boron	98.7	J	100	99	103		100	103	101		100	101
Antimony	10.4		10.0	104	9.29	J	10.0	93	7.43	J	10.0	74
Arsenic	16.4		15.0	110	18.2		15.0	121	16.9		15.0	112
Barium	10.6		10.0	106	11.3		10.0	113	10.4		10.0	104
Beryllium	1.03		1.00	103	1.15		1.00	115	0.960	J	1.00	96
Cadmium	5.27		5.00	105	5.20		5.00	104	5.16		5.00	103
Calcium	223		200	111					216		200	108
Chromium	10.7		10.0	107	10.6		10.0	106	10.6		10.0	106
Cobalt	11.0		10.0	110	11.3		10.0	113	11.1		10.0	111
Copper	16.1		15.0	107	16.3		15.0	108	15.8		15.0	105
Iron	108		100	108	122		100	122	105		100	105
Lead	10.7		9.00	119	9.85		9.00	109	10.2		9.00	114
Magnesium	217		200	108	214		200	107	211		200	106
Manganese	10.9		10.0	109	10.5		10.0	105	10.5		10.0	105
Molybdenum	20.7		20.0	104	20.7		20.0	104	20.5		20.0	103
Nickel	43.5		40.0	109	43.7		40.0	109	43.9		40.0	110
Potassium	3180		3000	106	3240		3000	108	3160		3000	105
Selenium	16.5		15.0	110	13.9	J	15.0	93	12.8	J	15.0	85
Silver	10.6		10.0	106	10.8		10.0	108	10.7		10.0	107
Sodium	1100		1000	110					1110		1000	111
Strontium	10.6		10.0	106					10.5		10.0	105
Thallium	17.7		15.0	118	16.6		15.0	111	16.4		15.0	109
Vanadium	10.5		10.0	105	10.3		10.0	103	10.5		10.0	105
Zinc	23.1		20.0	115	23.5		20.0	118	23.1		20.0	116

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01012 Concentration Units: ug/L

CCV Source: ICP LLCCV_01012

Analyte	CCVL 280-200481/97 11/11/2013 19:31											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	114		100	114								
Boron	103		100	103								
Antimony	11.5		10.0	115								
Arsenic	17.4		15.0	116								
Barium	10.6		10.0	106								
Beryllium	1.07		1.00	107								
Cadmium	5.41		5.00	108								
Calcium	226		200	113								
Chromium	11.0		10.0	110								
Cobalt	11.2		10.0	112								
Copper	16.4		15.0	109								
Iron	111		100	111								
Lead	10.1		9.00	112								
Magnesium	220		200	110								
Manganese	10.9		10.0	109								
Molybdenum	21.1		20.0	105								
Nickel	44.6		40.0	111								
Potassium	3220		3000	107								
Selenium	13.1	J	15.0	87								
Silver	11.3		10.0	113								
Sodium	1120		1000	112								
Strontium	10.7		10.0	107								
Thallium	17.4		15.0	116								
Vanadium	10.9		10.0	109								
Zinc	24.5		20.0	123								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00123 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	ICVH 280-201175/6 11/14/2013 14:37				CCVH 280-201175/34 11/14/2013 16:48				CCVH 280-201175/45 11/14/2013 17:20			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	39400		40000	99	50200		50000	100	50700		50000	101
Iron	80100		80000	100	50700		50000	101	51300		50000	103
Sodium	41300		40000	103	251000		250000	101	253000		250000	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVH_00123 Concentration Units: ug/L

CCV Source: ICP CCVH_00292

Analyte	CCVH 280-201175/59 11/14/2013 18:03											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Aluminum	49900		50000	100								
Iron	50500		50000	101								
Sodium	250000		250000	100								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	ICV 280-201175/7 11/14/2013 14:40				CCV 280-201175/35 11/14/2013 16:50				CCV 280-201175/46 11/14/2013 17:23			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	246		250	98	1020		1000	102	1010		1000	101
Aluminum	258		250	103	519		500	104	543		500	109
Arsenic	249		250	100	1010		1000	101	1000		1000	100
Barium	248		250	99	502		500	100	500		500	100
Beryllium	239		250	96	493		500	99	489		500	98
Boron	255		250	102	506		500	101	506		500	101
Cadmium	249		250	99	497		500	99	494		500	99
Calcium	1990		2000	100	4940		5000	99	4930		5000	99
Chromium	251		250	100	514		500	103	516		500	103
Cobalt	249		250	100	506		500	101	505		500	101
Copper	247		250	99	503		500	101	500		500	100
Iron	261		250	104	2560		2500	102	2580		2500	103
Lead	248		250	99	997		1000	100	997		1000	100
Magnesium	10000		10000	100	19900		20000	99	20100		20000	101
Manganese	250		250	100	496		500	99	499		500	100
Molybdenum	246		250	98	513		500	103	516		500	103
Nickel	254		250	102	516		500	103	519		500	104
Potassium	19700		20000	98	49200		50000	98	48900		50000	98
Selenium	511		500	102	1010		1000	101	1010		1000	101
Silver	254		250	102	509		500	102	513		500	103
Sodium	2040		2000	102	5100		5000	102	5140		5000	103
Strontium	246		250	98	498		500	100	495		500	99
Thallium	508		500	102	1010		1000	101	1010		1000	101
Vanadium	244		250	97	492		500	98	496		500	99
Zinc	255		250	102	500		500	100	507		500	101

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP ICVL_00104 Concentration Units: ug/L

CCV Source: ICP CCVL_00347

Analyte	CCV 280-201175/60 11/14/2013 18:05											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	999		1000	100								
Aluminum	526		500	105								
Arsenic	996		1000	100								
Barium	493		500	99								
Beryllium	479		500	96								
Boron	501		500	100								
Cadmium	489		500	98								
Calcium	4830		5000	97								
Chromium	512		500	102								
Cobalt	499		500	100								
Copper	497		500	99								
Iron	2520		2500	101								
Lead	986		1000	99								
Magnesium	19900		20000	100								
Manganese	493		500	99								
Molybdenum	511		500	102								
Nickel	514		500	103								
Potassium	48100		50000	96								
Selenium	1010		1000	101								
Silver	512		500	102								
Sodium	5010		5000	100								
Strontium	488		500	98								
Thallium	999		1000	100								
Vanadium	488		500	98								
Zinc	503		500	101								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01015 Concentration Units: ug/L

CCV Source: ICP LLCCV_01015

Analyte	ICVL 280-201175/9 11/14/2013 15:04				ICVL 280-201175/10 11/14/2013 15:07				CCVL 280-201175/37 11/14/2013 17:01			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	9.85	J	10.0	99	11.8		10.0	118	9.96	J	10.0	100
Aluminum	105		100	105	106		100	106	108		100	108
Arsenic	14.5	J	15.0	97	14.4	J	15.0	96	13.7	J	15.0	91
Barium	10.5		10.0	105	10.2		10.0	102	10.2		10.0	102
Beryllium	0.890	J	1.00	89	1.03		1.00	103	1.04		1.00	104
Boron	99.4	J	100	99	101		100	101	98.7	J	100	99
Cadmium	4.96	J	5.00	99	5.08		5.00	102	5.00		5.00	100
Calcium	211		200	106	217		200	109	220		200	110
Chromium	10.3		10.0	103	10.4		10.0	104	10.5		10.0	105
Cobalt	10.1		10.0	101	10.5		10.0	105	10.5		10.0	105
Copper	15.1		15.0	101	15.1		15.0	101	15.3		15.0	102
Iron	99.9	J	100	100	102		100	102	101		100	101
Lead	8.85	J	9.00	98	8.40	J	9.00	93	8.01	J	9.00	89
Magnesium	206		200	103	208		200	104	207		200	104
Manganese	10.2		10.0	102	10.4		10.0	104	10.2		10.0	102
Molybdenum	20.3		20.0	102	20.4		20.0	102	19.6	J	20.0	98
Nickel	41.4		40.0	103	41.9		40.0	105	42.5		40.0	106
Potassium	2980	J	3000	99	3060		3000	102	3010		3000	100
Selenium	16.1		15.0	107	13.1	J	15.0	87	15.3		15.0	102
Silver	10.2		10.0	102	10.1		10.0	101	10.6		10.0	106
Sodium	991	J	1000	99	1030		1000	103	1050		1000	105
Strontium	10.0		10.0	100	10.0		10.0	100	9.96	J	10.0	100
Thallium	16.3		15.0	108	15.7		15.0	105	16.7		15.0	111
Vanadium	9.85	J	10.0	99	10.4		10.0	104	9.59	J	10.0	96
Zinc	20.7		20.0	103	21.4		20.0	107	25.2		20.0	126

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: ICP LLCCV_01015 Concentration Units: ug/L

CCV Source: ICP LLCCV_01015

Analyte	CCVL 280-201175/48 11/14/2013 17:29				CCVL 280-201175/62 11/14/2013 18:09							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Antimony	11.5		10.0	115	11.6		10.0	116				
Aluminum	111		100	111	109		100	109				
Arsenic	11.6	J	15.0	77	14.7	J	15.0	98				
Barium	10.5		10.0	105	10.7		10.0	107				
Beryllium	1.02		1.00	102	1.05		1.00	105				
Boron	99.8	J	100	100	100		100	100				
Cadmium	4.77	J	5.00	95	4.99	J	5.00	100				
Calcium	217		200	109	214		200	107				
Chromium	10.7		10.0	107	10.6		10.0	106				
Cobalt	10.6		10.0	106	10.5		10.0	105				
Copper	15.4		15.0	103	14.7	J	15.0	98				
Iron	104		100	104	103		100	103				
Lead	9.83		9.00	109	9.25		9.00	103				
Magnesium	211		200	105	213		200	106				
Manganese	10.5		10.0	105	10.4		10.0	104				
Molybdenum	20.1		20.0	100	20.4		20.0	102				
Nickel	43.1		40.0	108	43.3		40.0	108				
Potassium	2960	J	3000	99	3020		3000	101				
Selenium	19.0		15.0	127	11.8	J	15.0	79				
Silver	9.64	J	10.0	96	9.75	J	10.0	98				
Sodium	1070		1000	107	1090		1000	109				
Strontium	9.90	J	10.0	99	10.1		10.0	101				
Thallium	16.3		15.0	109	15.8		15.0	105				
Vanadium	9.63	J	10.0	96	9.64	J	10.0	96				
Zinc	25.0		20.0	125	25.1		20.0	125				

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: Hg Soil ICV_00098 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00493

Analyte	ICV 280-200988/8 11/13/2013 17:57				CCV 280-200988/23 11/13/2013 18:38				CCV 280-200988/35 11/13/2013 19:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.23		4.00	106	5.31		5.00	106	5.41		5.00	108

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

ICV Source: Hg Soil ICV_00098 Concentration Units: ug/L

CCV Source: Hg Soil CCV_00493

Analyte	CCV 280-200988/42 11/13/2013 19:22											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.37		5.00	107								

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-200251/14 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01033

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	106		106	80-120
Antimony	10.0	10.1		101	80-120
Arsenic	10.0	10.3	J	103	80-120
Beryllium	1.00	1.10		110	80-120
Boron	100	92.6	J	93	80-120
Cadmium	5.00	4.82	J	96	80-120
Calcium	200	205		102	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	4.91	J	98	80-120
Copper	10.0	9.42	J	94	80-120
Lead	3.00	3.43	J	114	80-120
Magnesium	200	196	J	98	80-120
Manganese	3.00	3.14	J	105	80-120
Molybdenum	10.0	9.85	J	99	80-120
Nickel	10.0	10.2	J	102	80-120
Potassium	1000	1010	J	101	80-120
Selenium	10.0	11.6	J	116	80-120
Silver	10.0	9.19	J	92	80-120
Sodium	1000	999	J	100	80-120
Strontium	5.00	5.02	J	100	80-120
Thallium	10.0	11.3	J	113	80-120
Vanadium	10.0	9.46	J	95	80-120

Lab Sample ID: CRI 280-200251/15 Concentration Units: ug/L

CRQL Check Standard Source: Alt Ba Fe Zn_00001

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Barium	10.0	10.0		100	80-120
Iron	50.0	51.9	J	104	80-120
Zinc	20.0	22.9		115	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-200481/13 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01034

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	100		100	80-120
Antimony	10.0	9.39	J	94	80-120
Arsenic	10.0	11.4	J	114	80-120
Barium	5.00	4.71	J	94	80-120
Beryllium	1.00	0.960	J	96	80-120
Boron	100	92.7	J	93	80-120
Cadmium	5.00	4.87	J	97	80-120
Calcium	200	208		104	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.42		108	80-120
Copper	10.0	9.99	J	100	80-120
Iron	30.0	27.3	J	91	80-120
Lead	3.00	2.62	J	87	80-120
Magnesium	200	197	J	99	80-120
Manganese	3.00	3.06	J	102	80-120
Molybdenum	10.0	9.65	J	97	80-120
Nickel	10.0	10.6	J	106	80-120
Potassium	1000	957	J	96	80-120
Selenium	10.0	8.36	J	84	80-120
Silver	10.0	10.4		104	80-120
Sodium	1000	984	J	98	80-120
Strontium	5.00	5.02	J	100	80-120
Thallium	10.0	10.7	J	107	80-120
Vanadium	10.0	10.1		101	80-120
Zinc	10.0	12.0	J	120	80-120

Lab Sample ID: CRI 280-201175/15 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01037

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Aluminum	100	102		102	80-120
Antimony	10.0	8.49	J	85	80-120
Arsenic	10.0	8.86	J	89	80-120
Barium	5.00	5.01	J	100	80-120
Beryllium	1.00	0.990	J	99	80-120

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

FORM IIB-IN

2B-IN
CRQL CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Method: 6010C Instrument ID: MT_025

Lab Sample ID: CRI 280-201175/15 Concentration Units: ug/L

CRQL Check Standard Source: ICP RL STD_01037

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Boron	100	94.7	J	95	80-120
Cadmium	5.00	4.70	J	94	80-120
Calcium	200	199	J	99	80-120
Chromium	10.0	10.1		101	80-120
Cobalt	5.00	5.08		102	80-120
Copper	10.0	10.3	J	103	80-120
Iron	30.0	28.9	J	96	80-120
Lead	3.00	2.65	J	88	80-120
Magnesium	200	196	J	98	80-120
Manganese	3.00	3.06	J	102	80-120
Molybdenum	10.0	9.54	J	95	80-120
Nickel	10.0	10.2	J	102	80-120
Potassium	1000	1010	J	101	80-120
Silver	10.0	9.94	J	99	80-120
Sodium	1000	980	J	98	80-120
Strontium	5.00	4.80	J	96	80-120
Thallium	10.0	11.8	J	118	80-120
Vanadium	10.0	9.15	J	92	80-120

Lab Sample ID: CRI 280-201175/16 Concentration Units: ug/L

CRQL Check Standard Source: Alt Se Zn_00010

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Zinc	20.0	19.8	J	99	80-120

Lab Sample ID: CRI 280-201175/17 Concentration Units: ug/L

CRQL Check Standard Source: Alt Se_00058

Analyte	CRQL Check Standard				
	True	Found	Qualifiers	%R(1)	Limits
Selenium	20.0	20.7		103	80-120

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

FORM IIB-IN

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200251/13 11/08/2013 15:24		CCB 280-200251/64 11/08/2013 19:44		CCB 280-200251/75 11/08/2013 20:08		CCB 280-200251/84 11/08/2013 20:28	
		Found	C	Found	C	Found	C	Found	C
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	8.20	J	80	U	80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	6.29	J
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	109	J	250	U	250	U
Strontium	10	0.50	U	0.50	U	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U
Aluminum	100	30	U	30	U	30	U		
Antimony	10	4.27	J			7.37	J	7.62	J
Boron	100	7.0	U			7.0	U	7.0	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200481/12 11/11/2013 16:01		CCB 280-200481/76 11/11/2013 18:44		CCB 280-200481/87 11/11/2013 19:08		CCB 280-200481/96 11/11/2013 19:29	
		Found	C	Found	C	Found	C	Found	C
Aluminum	100	30	U	30	U	30	U	30	U
Boron	100	7.0	U	7.0	U	7.0	U	7.0	U
Antimony	10	8.0	U	8.52	J	6.47	J	6.60	J
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	11.2	J	3.81	J	5.92	J
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	226	J	250	U	250	U
Strontium	10	0.50	U	0.470	J	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-201175/14 11/14/2013 15:24		CCB 280-201175/36 11/14/2013 16:53		CCB 280-201175/47 11/14/2013 17:25		CCB 280-201175/61 11/14/2013 18:07	
		Found	C	Found	C	Found	C	Found	C
Antimony	10	8.0	U	5.36	J	6.74	J	4.06	J
Aluminum	100	30	U	30	U	30	U	30	U
Arsenic	15	12	U	12	U	12	U	12	U
Barium	10	1.5	U	1.5	U	1.5	U	1.5	U
Beryllium	1.0	0.50	U	0.50	U	0.50	U	0.50	U
Boron	100	7.0	U	7.0	U	7.0	U	7.0	U
Cadmium	5.0	0.80	U	0.80	U	0.80	U	0.80	U
Calcium	200	80	U	80	U	80	U	80	U
Chromium	10	1.5	U	1.5	U	1.5	U	1.5	U
Cobalt	5.0	2.0	U	2.0	U	2.0	U	2.0	U
Copper	15	3.5	U	3.5	U	3.5	U	3.5	U
Iron	100	30	U	30	U	30	U	30	U
Lead	9.0	5.0	U	5.0	U	5.0	U	5.0	U
Magnesium	200	25	U	25	U	25	U	25	U
Manganese	10	0.50	U	0.50	U	0.50	U	0.50	U
Molybdenum	20	7.0	U	7.0	U	7.0	U	7.0	U
Nickel	40	3.0	U	3.0	U	3.0	U	3.0	U
Potassium	3000	250	U	250	U	250	U	250	U
Selenium	15	12	U	12	U	12	U	12	U
Silver	10	2.0	U	2.0	U	2.0	U	2.0	U
Sodium	1000	250	U	250	U	250	U	250	U
Strontium	10	0.50	U	0.50	U	0.50	U	0.50	U
Thallium	15	12	U	12	U	12	U	12	U
Vanadium	10	2.5	U	2.5	U	2.5	U	2.5	U
Zinc	20	13	U	13	U	13	U	13	U

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 280-200988/9 11/13/2013 18:01		CCB 280-200988/24 11/13/2013 18:41		CCB 280-200988/36 11/13/2013 19:08		CCB 280-200988/43 11/13/2013 19:25	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.10	U	0.10	U	0.10	U	0.10	U

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 200251

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	0.93	U		6010C
7440-39-3	Barium	0.17	U		6010C
7440-41-7	Beryllium	0.065	U		6010C
7440-43-9	Cadmium	0.093	U		6010C
7440-70-2	Calcium	19	U		6010C
7440-47-3	Chromium	0.14	U		6010C
7440-48-4	Cobalt	0.19	U		6010C
7440-50-8	Copper	0.46	U		6010C
7439-89-6	Iron	4.6	U		6010C
7439-92-1	Lead	0.74	U		6010C
7439-95-4	Magnesium	4.6	U		6010C
7439-96-5	Manganese	0.14	U	Q	6010C
7439-98-7	Molybdenum	0.46	U		6010C
7440-02-0	Nickel	0.19	U		6010C
7440-09-7	Potassium	46	U		6010C
7782-49-2	Selenium	1.1	U		6010C
7440-22-4	Silver	0.19	U		6010C
7440-23-5	Sodium	93	U		6010C
7440-24-6	Strontium	0.074	U	Q	6010C
7440-28-0	Thallium	1.1	U		6010C
7440-62-2	Vanadium	0.19	U	Q	6010C
7440-66-6	Zinc	0.419	J		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 200481

CAS No.	Analyte	Concentration	C	Q	Method
7429-90-5	Aluminum	2.8	U		6010C
7440-42-8	Boron	0.93	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 280-199600/1-A

Instrument Code: MT_025 Batch No.: 201175

CAS No.	Analyte	Concentration	C	Q	Method
7440-36-0	Antimony	0.56	U		6010C

3-IN
METHOD BLANK
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Concentration Units: ug/Kg Lab Sample ID: MB 280-199719/1-A

Instrument Code: MT_033 Batch No.: 200988

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	14	U		7471B

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSA 280-200251/16 Instrument ID: MT_025

Lab File ID: 25A1110813.asc ICS Source: ICP ICSA_00078

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**-1.73**	
Barium		**0.240**	
Beryllium		**0.0700**	
Cadmium		**0.440**	
Calcium	**500000**	**460080**	**92**
Chromium		**0.690**	
Cobalt		**-0.740**	
Copper		**2.27**	
Iron	**200000**	**195200**	**98**
Lead		**1.38**	
Magnesium	**500000**	**501650**	**100**
Manganese		**0.560**	
Molybdenum		**-0.160**	
Nickel		**-0.360**	
Potassium		**-34.5**	
Selenium		**-0.200**	
Silver		**-1.24**	
Sodium		**117**	
Strontium		**15.3**	
Thallium		**-1.99**	
Vanadium		**2.69**	
Zinc		**-3.32**	
Aluminum	*500000*	*521510*	*104*
Antimony		*0.650*	
Boron		*-2.06*	
Lithium		*10.7*	
Phosphorus		*-5.99*	
Silicon		*2.30*	
SiO2		*4.93*	
Thorium		*8.50*	
Tin		*1.21*	
Titanium		*-0.560*	
Zirconium		*-2.37*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSAB 280-200251/17 Instrument ID: MT_025

Lab File ID: 25A1110813.asc ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Arsenic	**2000**	**1967**	**98**
Barium	**500**	**500**	**100**
Beryllium	**500**	**482**	**96**
Cadmium	**1000**	**990**	**99**
Calcium	**500000**	**465830**	**93**
Chromium	**500**	**482**	**96**
Cobalt	**500**	**461**	**92**
Copper	**500**	**537**	**107**
Iron	**200000**	**192550**	**96**
Lead	**1000**	**901**	**90**
Magnesium	**500000**	**489900**	**98**
Manganese	**500**	**503**	**101**
Molybdenum	**1000**	**953**	**95**
Nickel	**1000**	**911**	**91**
Potassium	**50000**	**52462**	**105**
Selenium	**5000**	**4649**	**93**
Silver	**1000**	**1080**	**108**
Sodium	**50000**	**53124**	**106**
Strontium	**1000**	**1005**	**100**
Thallium	**10000**	**8228**	**82**
Vanadium	**500**	**510**	**102**
Zinc	**1000**	**975**	**98**
Aluminum	*500000*	*514670*	*103*
Antimony	*1000*	*973*	*97*
Boron	*2000*	*1807*	*90*
Lithium	*1000*	*1051*	*105*
Phosphorus	*2000*	*1880*	*94*
Silicon	*10000*	*9769*	*98*
SiO2	*21400*	*20906*	*98*
Thorium	*2000*	*2064*	*103*
Tin	*10000*	*8904*	*89*
Titanium	*1000*	*999*	*100*
Zirconium	*1000*	*983*	*98*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSA 280-200481/14 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00078

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Aluminum	**500000**	**507740**	**102**
Boron		**-1.22**	
Antimony		*2.35*	
Arsenic		*-2.93*	
Barium		*0.230*	
Beryllium		*0.0400*	
Calcium	*500000*	*463180*	*93*
Cobalt		*-0.580*	
Copper		*2.27*	
Iron	*200000*	*187990*	*94*
Lead		*0.500*	
Lithium		*9.93*	
Magnesium	*500000*	*486630*	*97*
Molybdenum		*-0.0500*	
Nickel		*-0.980*	
Phosphorus		*-6.70*	
Potassium		*89.8*	
Selenium		*1.13*	
Silicon		*1.35*	
Silver		*0.0000*	
SiO2		*2.89*	
Sodium		*165*	
Thallium		*-1.35*	
Thorium		*12.2*	
Tin		*1.07*	
Titanium		*-1.09*	
Vanadium		*0.110*	
Zinc		*-3.69*	
Zirconium		*0.510*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSAB 280-200481/15 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Aluminum	**500000**	**508780**	**102**
Boron	**2000**	**1804**	**90**
Antimony	*1000*	*960*	*96*
Arsenic	*2000*	*1946*	*97*
Barium	*500*	*502*	*100*
Beryllium	*500*	*483*	*97*
Cadmium	*1000*	*984*	*98*
Calcium	*500000*	*454770*	*91*
Chromium	*500*	*478*	*96*
Cobalt	*500*	*456*	*91*
Copper	*500*	*527*	*105*
Iron	*200000*	*187920*	*94*
Lead	*1000*	*887*	*89*
Lithium	*1000*	*1059*	*106*
Magnesium	*500000*	*481750*	*96*
Manganese	*500*	*497*	*99*
Molybdenum	*1000*	*935*	*94*
Nickel	*1000*	*899*	*90*
Phosphorus	*2000*	*1870*	*93*
Potassium	*50000*	*53159*	*106*
Selenium	*5000*	*4587*	*92*
Silicon	*10000*	*9685*	*97*
Silver	*1000*	*1069*	*107*
SiO2	*21400*	*20725*	*97*
Sodium	*50000*	*52394*	*105*
Strontium	*1000*	*1006*	*101*
Thallium	*10000*	*8086*	*81*
Thorium	*2000*	*2035*	*102*
Tin	*10000*	*8712*	*87*
Titanium	*1000*	*981*	*98*
Vanadium	*500*	*498*	*100*
Zinc	*1000*	*963*	*96*
Zirconium	*1000*	*990*	*99*

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSA 280-201175/18 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSA_00079

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Antimony		**6.78**	
Aluminum	*500000*	*496160*	*99*
Arsenic		*-7.63*	
Barium		*0.270*	
Beryllium		*-0.0700*	
Boron		*0.230*	
Cadmium		*1.91*	
Calcium	*500000*	*451490*	*90*
Chromium		*2.85*	
Cobalt		*-0.110*	
Copper		*2.19*	
Iron	*200000*	*183560*	*92*
Lead		*4.26*	
Lithium		*7.36*	
Magnesium	*500000*	*486320*	*97*
Manganese		*0.760*	
Molybdenum		*0.120*	
Nickel		*-0.700*	
Phosphorus		*-3.23*	
Potassium		*26.3*	
Selenium		*7.31*	
Silicon		*12.7*	
Silver		*0.430*	
SiO2		*27.1*	
Sodium		*44.5*	
Strontium		*14.8*	
Thallium		*-4.08*	
Thorium		*4.22*	
Tin		*1.85*	
Titanium		*-0.990*	
Vanadium		*-7.61*	
Zinc		*-1.51*	
Zirconium		*-0.710*	

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

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Lab Sample ID: ICSAB 280-201175/19 Instrument ID: MT_025

Lab File ID: ICS Source: ICP ICSAB_00074

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Found Percent Recovery
Antimony	**1000**	**998**	**100**
Aluminum	*500000*	*495820*	*99*
Arsenic	*2000*	*1976*	*99*
Barium	*500*	*492*	*98*
Beryllium	*500*	*472*	*94*
Boron	*2000*	*1888*	*94*
Cadmium	*1000*	*1003*	*100*
Calcium	*500000*	*460330*	*92*
Chromium	*500*	*484*	*97*
Cobalt	*500*	*457*	*91*
Copper	*500*	*534*	*107*
Iron	*200000*	*183210*	*92*
Lead	*1000*	*897*	*90*
Lithium	*1000*	*1038*	*104*
Magnesium	*500000*	*486720*	*97*
Manganese	*500*	*489*	*98*
Molybdenum	*1000*	*947*	*95*
Nickel	*1000*	*902*	*90*
Phosphorus	*2000*	*1912*	*96*
Potassium	*50000*	*51504*	*103*
Selenium	*5000*	*4752*	*95*
Silicon	*10000*	*9600*	*96*
Silver	*1000*	*1089*	*109*
SiO2	*21400*	*20543*	*96*
Sodium	*50000*	*51436*	*103*
Strontium	*1000*	*985*	*98*
Thallium	*10000*	*8189*	*82*
Thorium	*2000*	*2021*	*101*
Tin	*10000*	*8837*	*88*
Titanium	*1000*	*980*	*98*
Vanadium	*500*	*485*	*97*
Zinc	*1000*	*943*	*94*
Zirconium	*1000*	*934*	*93*

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

FORM IVA-IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00070

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	86.2	82.0		95	80	120		6010C
Barium	172	171		99	80	120		6010C
Beryllium	4.31	4.19		97	80	120		6010C
Cadmium	8.62	8.67		101	80	120		6010C
Calcium	4310	4140		96	80	120		6010C
Chromium	17.2	16.8		97	80	120		6010C
Cobalt	43.1	41.6		96	80	120		6010C
Copper	21.6	21.7		100	80	120		6010C
Iron	86.2	82.0		95	80	120		6010C
Lead	43.1	41.3		96	80	120		6010C
Magnesium	4310	4050		94	80	120		6010C
Manganese	43.1	41.6		97	80	120	Q	6010C
Molybdenum	86.2	84.0		97	80	120		6010C
Nickel	43.1	41.3		96	80	120		6010C
Potassium	4310	4320		100	80	120		6010C
Selenium	172	162		94	80	120		6010C
Silver	4.31	3.93		91	80	120		6010C
Sodium	4310	4480		104	80	120		6010C
Strontium	86.2	84.8		98	80	120	Q	6010C
Thallium	172	165		96	80	120		6010C
Vanadium	43.1	42.8		99	80	120	Q	6010C
Zinc	43.1	41.0		95	80	120		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: ICP SPK 3A_00070

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Aluminum	172	167		97	80	120		6010C
Boron	86.2	97.0		112	80	120		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199600/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: ICP SPK 2A_00066

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Antimony	43.1	42.4		98	80	120		6010C

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

FORM VIIA - IN

7A-IN
LAB CONTROL SAMPLE
METALS

Lab ID: LCS 280-199719/2-A

Lab Name: TestAmerica Denver Job No.: 280-48486-1

Sample Matrix: Solid LCS Source: Hg Daily Spk_00943

Analyte	Solid(ug/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	431	376		87	80	120		7471B

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

FORM VIIA - IN

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010C DL Date: 03/01/2011 13:28

Prep Method: 3050B

Analyte	Wavelength/ Mass	LOQ (mg/Kg)	DL (mg/Kg)
Aluminum	167	50	1.55
Antimony	206.8	2	0.38
Arsenic	189	2.5	0.66
Barium	455.4	2	0.076
Beryllium	313	0.5	0.033
Boron	208.9	10	0.98
Cadmium	228.8	0.5	0.041
Calcium	317.9	100	14.1
Chromium	205.5	3.5	0.058
Cobalt	228.6	1	0.1
Copper	324.7	5	0.217
Iron	259.9	80	3.8
Lead	220.3	0.9	0.27
Magnesium	279	30	3.7
Manganese	257.6	4.5	0.1
Molybdenum	202	2.5	0.26
Nickel	231.6	4	0.123
Potassium	766.4	300	41
Selenium	196	3	0.86
Silver	328	1.5	0.16
Sodium	589.5	500	59
Strontium	407.7	1.5	0.036
Thallium	190.8	3	0.65
Vanadium	292.4	2	0.094
Zinc	206.2	8	0.398

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_025

Method: 6010C XMDL Date: 03/01/2011 13:28

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Aluminum		100	18
Antimony		10	3.14
Arsenic		15	4.41
Barium		10	0.576
Beryllium		1	0.474
Boron		100	4.37
Cadmium		5	0.452
Calcium		200	3.45
Chromium		10	0.663
Cobalt		5	1.23
Copper		15	1.36
Iron		100	22
Lead		9	2.61
Magnesium		200	10.7
Manganese		10	0.253
Molybdenum		20	3.13
Nickel		40	1.29
Potassium		3000	237
Selenium		15	4.86
Silver		10	0.933
Sodium		1000	91.6
Strontium		10	0.3
Thallium		15	4.91
Vanadium		10	1.11
Zinc		20	4.53

9-IN
DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_033

Method: 7471B DL Date: 10/28/2011 16:21

Prep Method: 7471B

Analyte	Wavelength/ Mass	LOQ (ug/Kg)	DL (ug/Kg)
Mercury	253.7	17	5.53

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: MT_033

Method: 7471B XMDL Date: 11/30/2010 11:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.204	0.0664

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Aluminum	167.079													0.001001	
Aluminum	309.271														
Antimony	206.833		0.000007						-0.000005			0.011357		0.000010	
Arsenic	189.042		-0.000012									-0.007296		-0.000024	
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061		-0.000012			-0.000294			-0.000016			0.001419		0.000120	
Boron	208.959														
Cadmium	228.802			0.002467		-0.000092					0.000036			-0.000013	
Calcium	317.933										0.000391				
Chromium	205.552						-0.000724							-0.000038	
Cobalt	228.616					-0.000021						-0.000046			
Copper	324.754														
Iron	259.940										0.070287				
Iron	271.441										0.070287				
Lead	220.353		-0.000061						0.000007		-0.000010		0.000134	0.000034	
Lithium	670.784								0.000009						
Magnesium	279.079													-0.000175	
Manganese	257.610		0.000001											0.000011	
Molybdenum	202.030														
Nickel	231.604						0.000034		-0.000002		-0.000053			0.000034	
Phosphorus	178.284		-0.000005												
Potassium	766.490														
Selenium	196.090		0.000021						-0.000001					0.000006	
Silicon	288.158											-0.016952			
Silver	328.068														
Sodium	589.592														
Sodium	818.326														
Strontium	407.771								0.000049						
Sulfur	182.034		-0.000022						-0.000025						

X-IN

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	K
Thallium	190.856		0.000001								0.004069	0.000274			
Thorium	283.730											-0.000153		0.000876	
Tin	189.989														
Titanium	334.904								0.000005			0.000157			
Uranium	370.152				-0.03516				-0.000005			-0.001869		0.000415	
Vanadium	292.402											-0.006987		0.000013	
Zinc	206.200		0.000010					0.000509				-0.000468		0.000015	
Zirconium	339.198													-0.000028	

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Aluminum	309.271		0.001655												
Aluminum	167.079														
Antimony	206.833				-0.000327		0.000025					0.000031		0.00189	
Arsenic	189.042		-0.000006		0.001328										
Barium	455.403														
Beryllium	313.042														
Bismuth	223.061													-0.001095	
Boron	208.959				0.033560										
Cadmium	228.802														
Calcium	317.933														
Chromium	205.552				0.000107		0.000009								
Cobalt	228.616			-0.000001	-0.001006		0.000125								
Copper	324.754				0.000205										
Iron	259.940		-0.000894												
Iron	271.441		-0.000894												
Lead	220.353				-0.002073		0.000317					0.000169			
Lithium	670.784		0.000006												
Magnesium	279.079			-0.001330	-0.004610										
Manganese	257.610														
Molybdenum	202.030														
Nickel	231.604				0.000080										
Phosphorus	178.284				-0.005388										
Potassium	766.490														
Selenium	196.090			0.000570											
Silicon	288.158				-0.000510										
Silver	328.068			0.000183	-0.000074										
Sodium	818.326														
Sodium	589.592														
Strontium	407.771														
Sulfur	182.034			0.003725	-0.006321										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Li	Mg	Mn	Mo	Na	Ni	Pb	S	Sb	Se	Si	SiO2	Sn	Sr
Thallium	190.856			0.000859											
Thorium	283.730		-0.000015		0.000056		0.000237								
Tin	189.989														
Titanium	334.904		0.000002		0.001119										
Uranium	370.152														
Vanadium	292.402			-0.001054	-0.000177										
Zinc	206.200				0.000123										
Zirconium	339.198				0.000752										

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Aluminum	167.079														
Aluminum	309.271														
Antimony	206.833		0.000259		-0.002129	0.000091		-0.001105							
Arsenic	189.042	-0.000781													
Barium	455.403							0.001086							
Beryllium	313.042		-0.000285			0.000618									
Bismuth	223.061		-0.005621		-0.003951										
Boron	208.959														
Cadmium	228.802				-0.000206										
Calcium	317.933	-0.003260													
Chromium	205.552	0.000009			-0.000025										
Cobalt	228.616		0.002052		0.000149										
Copper	324.754	0.001914	0.000011		-0.000115	-0.000316		-0.002277							
Iron	259.940					-0.209500									
Iron	271.441					-0.209500									
Lead	220.353		-0.000522		0.000701			-0.000255							
Lithium	670.784														
Magnesium	279.079	-0.041014	-0.001688		-0.008620										
Manganese	257.610	-0.000496			0.000075										
Molybdenum	202.030				-0.000130										
Nickel	231.604														
Phosphorus	178.284				0.000099										
Potassium	766.490														
Selenium	196.090	0.000088		-0.000481	-0.000220										
Silicon	288.158														
Silver	328.068	0.000323			0.000970			0.005844							
Sodium	589.592														
Sodium	818.326														
Strontium	407.771														
Sulfur	182.034	0.000111				0.000164									

10-IN
ICP-AES INTERELEMENT CORRECTION FACTORS
METALS

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

ICP-AES Instrument ID: MT_025 Date: 06/26/2013

Analyte	Wave Length	Th	Ti	Tl	U	V	Zn	Zr							
Thallium	190.856	-0.000203	-0.000892		-0.000304	-0.019465									
Thorium	283.730				0.022201			0.022111							
Tin	189.989	0.000011	-0.001792		0.000185										
Titanium	334.904	0.006757			-0.000569										
Uranium	370.152		0.004659												
Vanadium	292.402	0.001293	0.001093		-0.001122										
Zinc	206.200		0.000066												
Zirconium	339.198	0.03149			-0.000178										

11-IN
LINEAR RANGES
METALS

Lab Name: TestAmerica Denver Job No: 280-48486-1

SDG No.:

Instrument ID: MT_025 Date: 10/19/2013 09:44

Analyte	Integ. Time (Sec.)	Concentration (mg/L)	Method
Aluminum		1000	6010C
Antimony		50	6010C
Arsenic		50	6010C
Barium		50	6010C
Beryllium		20	6010C
Boron		100	6010C
Cadmium		25	6010C
Calcium		2000	6010C
Chromium		50	6010C
Cobalt		50	6010C
Copper		50	6010C
Iron		2000	6010C
Lead		200	6010C
Magnesium		1500	6010C
Manganese		20	6010C
Molybdenum		20	6010C
Nickel		50	6010C
Potassium		500	6010C
Selenium		50	6010C
Silver		2.5	6010C
Sodium		10000	6010C
Strontium		20	6010C
Thallium		50	6010C
Vanadium		50	6010C
Zinc		50	6010C

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-199600/1-A	11/08/2013 07:50	199600	1.08		100
LCS 280-199600/2-A	11/08/2013 07:50	199600	1.16		100
280-48486-1	11/08/2013 07:50	199600	1.01		100

12-IN
PREPARATION LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 280-199719/1-A	11/13/2013 15:00	199719	.58		50
LCS 280-199719/2-A	11/13/2013 15:00	199719	.58		50
280-48486-1	11/13/2013 15:00	199719	.58		50

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr	Tl
ICIS 280-200251/1	1		14:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-200251/2			14:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
IC 280-200251/3			14:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ICVH 280-200251/6	1		14:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			14:47																				
ICV 280-200251/8	1		14:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICV 280-200251/9	1		14:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICVL 280-200251/10	1		15:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-200251/11			15:19																				
CCV 280-200251/12			15:21																				
ICB 280-200251/13	1		15:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CRI 280-200251/14	1		15:26	X	X		X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X
CRI 280-200251/15	1		15:48			X							X										
ICSA 280-200251/16	1		15:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ICSAB 280-200251/17	1		16:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LRA 280-200251/18			16:04																				
ZZZZZZ			16:07																				
CCVH 280-200251/20			16:11																				
ZZZZZZ			16:13																				
CCV 280-200251/22			16:23																				
CCV 280-200251/23			16:28																				
CCB 280-200251/24			16:35																				
CCVL 280-200251/25			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:47																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
CCVH 280-200251/33			16:56																				
CCV 280-200251/34			16:58																				
CCB 280-200251/35			17:01																				
CCVL 280-200251/36			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr	Tl
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
CCVH 280-200251/47			17:28																				
CCV 280-200251/48			17:31																				
CCB 280-200251/49			17:33																				
CCVL 280-200251/50			17:35																				
ZZZZZZ			17:37																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				
ZZZZZZ			17:47																				
ZZZZZZ			17:50																				
ZZZZZZ			17:52																				
CCVH 280-200251/58			18:01																				
CCV 280-200251/59			18:04																				
CCB 280-200251/60			18:06																				
CCVL 280-200251/61			18:08																				
CCVH 280-200251/62	1		19:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/63	1		19:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/64	1		19:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/65	1		19:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MB 280-199600/1-A	1	T	19:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
LCS 280-199600/2-A	1	T	19:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			19:53																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:01																				
CCVH 280-200251/73	1		20:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/74	1		20:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/75	1		20:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVL 280-200251/76	1		20:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:12																				
ZZZZZZ			20:15																				
ZZZZZZ			20:17																				
ZZZZZZ			20:19																				
280-48486-1	1	T	20:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCVH 280-200251/82	1		20:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCV 280-200251/83	1		20:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CCB 280-200251/84	1		20:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ag	As	Ba	Be	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	Pb	Se	Sr	Tl
CCVL 280-200251/85	1		20:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:37																				
ZZZZZZ			20:39																				
ZZZZZZ			20:42																				
ZZZZZZ			20:44																				
ZZZZZZ			20:46																				
CCVH 280-200251/93			20:48																				
CCV 280-200251/94			20:51																				
CCB 280-200251/95			20:53																				
CCVL 280-200251/96			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			21:00																				
ZZZZZZ			21:03																				
ZZZZZZ			21:05																				
ZZZZZZ			21:08																				
CCVH 280-200251/102			21:11																				
CCV 280-200251/103			21:14																				
CCB 280-200251/104			21:16																				
CCVL 280-200251/105			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:27																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:34																				
CCVH 280-200251/113			21:36																				
CCV 280-200251/114			21:39																				
CCB 280-200251/115			21:41																				
CCVL 280-200251/116			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:56																				
CCVH 280-200251/122			21:59																				
CCV 280-200251/123			22:01																				
CCB 280-200251/124			22:03																				
CCVL 280-200251/125			22:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ICIS 280-200251/1	1		14:25	X	X																		
IC 280-200251/2			14:27	X	X																		
IC 280-200251/3			14:29	X	X																		
ZZZZZZ			14:36																				
ZZZZZZ			14:40																				
ICVH 280-200251/6	1		14:44	X	X																		
ZZZZZZ			14:47																				
ICV 280-200251/8	1		14:57	X	X																		
ICV 280-200251/9	1		14:59	X	X																		
ICVL 280-200251/10	1		15:16	X	X																		
CCVH 280-200251/11			15:19																				
CCV 280-200251/12			15:21																				
ICB 280-200251/13	1		15:24	X	X																		
CRI 280-200251/14	1		15:26	X																			
CRI 280-200251/15	1		15:48		X																		
ICSA 280-200251/16	1		15:58	X	X																		
ICSAB 280-200251/17	1		16:01	X	X																		
LRA 280-200251/18			16:04																				
ZZZZZZ			16:07																				
CCVH 280-200251/20			16:11																				
ZZZZZZ			16:13																				
CCV 280-200251/22			16:23																				
CCV 280-200251/23			16:28																				
CCB 280-200251/24			16:35																				
CCVL 280-200251/25			16:38																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:45																				
ZZZZZZ			16:47																				
ZZZZZZ			16:49																				
ZZZZZZ			16:52																				
ZZZZZZ			16:54																				
CCVH 280-200251/33			16:56																				
CCV 280-200251/34			16:58																				
CCB 280-200251/35			17:01																				
CCVL 280-200251/36			17:03																				
ZZZZZZ			17:05																				
ZZZZZZ			17:08																				
ZZZZZZ			17:10																				
ZZZZZZ			17:12																				
ZZZZZZ			17:15																				
ZZZZZZ			17:17																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
ZZZZZZ			17:19																				
ZZZZZZ			17:22																				
ZZZZZZ			17:24																				
ZZZZZZ			17:26																				
CCVH 280-200251/47			17:28																				
CCV 280-200251/48			17:31																				
CCB 280-200251/49			17:33																				
CCVL 280-200251/50			17:35																				
ZZZZZZ			17:37																				
ZZZZZZ			17:40																				
ZZZZZZ			17:42																				
ZZZZZZ			17:45																				
ZZZZZZ			17:47																				
ZZZZZZ			17:50																				
ZZZZZZ			17:52																				
CCVH 280-200251/58			18:01																				
CCV 280-200251/59			18:04																				
CCB 280-200251/60			18:06																				
CCVL 280-200251/61			18:08																				
CCVH 280-200251/62	1		19:39	X	X																		
CCV 280-200251/63	1		19:41	X	X																		
CCB 280-200251/64	1		19:44	X	X																		
CCVL 280-200251/65	1		19:46	X	X																		
MB 280-199600/1-A	1	T	19:48	X	X																		
LCS 280-199600/2-A	1	T	19:50	X	X																		
ZZZZZZ			19:53																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:01																				
CCVH 280-200251/73	1		20:03	X	X																		
CCV 280-200251/74	1		20:06	X	X																		
CCB 280-200251/75	1		20:08	X	X																		
CCVL 280-200251/76	1		20:10	X	X																		
ZZZZZZ			20:12																				
ZZZZZZ			20:15																				
ZZZZZZ			20:17																				
ZZZZZZ			20:19																				
280-48486-1	1	T	20:21	X	X																		
CCVH 280-200251/82	1		20:24	X	X																		
CCV 280-200251/83	1		20:26	X	X																		
CCB 280-200251/84	1		20:28	X	X																		

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Lab Sample ID	D / F	Type	Time	Analytes																			
				V	Zn																		
CCVL 280-200251/85	1		20:30	X	X																		
ZZZZZZ			20:33																				
ZZZZZZ			20:35																				
ZZZZZZ			20:37																				
ZZZZZZ			20:39																				
ZZZZZZ			20:42																				
ZZZZZZ			20:44																				
ZZZZZZ			20:46																				
CCVH 280-200251/93			20:48																				
CCV 280-200251/94			20:51																				
CCB 280-200251/95			20:53																				
CCVL 280-200251/96			20:55																				
ZZZZZZ			20:57																				
ZZZZZZ			21:00																				
ZZZZZZ			21:03																				
ZZZZZZ			21:05																				
ZZZZZZ			21:08																				
CCVH 280-200251/102			21:11																				
CCV 280-200251/103			21:14																				
CCB 280-200251/104			21:16																				
CCVL 280-200251/105			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:23																				
ZZZZZZ			21:25																				
ZZZZZZ			21:27																				
ZZZZZZ			21:30																				
ZZZZZZ			21:32																				
ZZZZZZ			21:34																				
CCVH 280-200251/113			21:36																				
CCV 280-200251/114			21:39																				
CCB 280-200251/115			21:41																				
CCVL 280-200251/116			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:51																				
ZZZZZZ			21:53																				
ZZZZZZ			21:56																				
CCVH 280-200251/122			21:59																				
CCV 280-200251/123			22:01																				
CCB 280-200251/124			22:03																				
CCVL 280-200251/125			22:05																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/08/2013 14:25 End Date: 11/08/2013 22:05

Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
ICIS 280-200481/1	1		15:24	X	X																		
IC 280-200481/2			15:27	X	X																		
IC 280-200481/3			15:29	X	X																		
ZZZZZZ			15:31																				
ZZZZZZ			15:33																				
ICVH 280-200481/6	1		15:37	X	X																		
ICV 280-200481/7	1		15:42	X	X																		
ICVL 280-200481/8	1		15:45	X	X																		
CCVH 280-200481/9			15:49																				
CCV 280-200481/10			15:52																				
ZZZZZZ			15:54																				
ICB 280-200481/12	1		16:01	X	X																		
CRI 280-200481/13	1		16:04	X	X																		
ICSA 280-200481/14	1		16:09	X	X																		
ICSAB 280-200481/15	1		16:12	X	X																		
ZZZZZZ			16:15																				
LRA 280-200481/17			16:19																				
CCVH 280-200481/18			16:22																				
CCV 280-200481/19			16:24																				
CCB 280-200481/20			16:26																				
CCVL 280-200481/21			16:28																				
ZZZZZZ			16:31																				
ZZZZZZ			16:33																				
ZZZZZZ			16:35																				
ZZZZZZ			16:37																				
ZZZZZZ			16:40																				
ZZZZZZ			16:42																				
ZZZZZZ			16:44																				
CCVH 280-200481/29			16:47																				
CCV 280-200481/30			16:49																				
CCB 280-200481/31			16:51																				
CCVL 280-200481/32			16:53																				
ZZZZZZ			16:56																				
ZZZZZZ			16:59																				
ZZZZZZ			17:02																				
ZZZZZZ			17:04																				
ZZZZZZ			17:07																				
ZZZZZZ			17:09																				
ZZZZZZ			17:11																				
CCVH 280-200481/40			17:13																				
CCV 280-200481/41			17:16																				
ZZZZZZ			17:18																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D/F	Type	Time	Analytes																			
				Al	B																		
CCVL 280-200481/43			17:20																				
CCB 280-200481/44			17:24																				
ZZZZZZ			17:32																				
ZZZZZZ			17:34																				
ZZZZZZ			17:36																				
ZZZZZZ			17:38																				
ZZZZZZ			17:41																				
ZZZZZZ			17:43																				
ZZZZZZ			17:45																				
CCVH 280-200481/52			17:47																				
CCV 280-200481/53			17:50																				
CCB 280-200481/54			17:52																				
CCVL 280-200481/55			17:54																				
ZZZZZZ			17:56																				
ZZZZZZ			17:59																				
ZZZZZZ			18:02																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
CCVH 280-200481/61			18:10																				
CCV 280-200481/62			18:12																				
CCB 280-200481/63			18:14																				
CCVL 280-200481/64			18:16																				
ZZZZZZ			18:19																				
ZZZZZZ			18:21																				
ZZZZZZ			18:23																				
ZZZZZZ			18:26																				
ZZZZZZ			18:28																				
ZZZZZZ			18:30																				
ZZZZZZ			18:33																				
ZZZZZZ			18:35																				
ZZZZZZ			18:37																				
CCVH 280-200481/74	1		18:39	X	X																		
CCV 280-200481/75	1		18:42	X	X																		
CCB 280-200481/76	1		18:44	X	X																		
CCVL 280-200481/77	1		18:46	X	X																		
MB 280-199600/1-A	1	T	18:48	X	X																		
LCS 280-199600/2-A	1	T	18:51	X	X																		
ZZZZZZ			18:53																				
ZZZZZZ			18:55																				
ZZZZZZ			18:57																				
ZZZZZZ			18:59																				
ZZZZZZ			19:02																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/11/2013 15:24 End Date: 11/11/2013 19:31

Lab Sample ID	D / F	Type	Time	Analytes																			
				Al	B																		
CCVH 280-200481/85	1		19:04	X	X																		
CCV 280-200481/86	1		19:06	X	X																		
CCB 280-200481/87	1		19:08	X	X																		
CCVL 280-200481/88	1		19:11	X	X																		
ZZZZZZ			19:13																				
ZZZZZZ			19:15																				
ZZZZZZ			19:17																				
ZZZZZZ			19:20																				
280-48486-1	1	T	19:22	X	X																		
CCVH 280-200481/94	1		19:24	X	X																		
CCV 280-200481/95	1		19:26	X	X																		
CCB 280-200481/96	1		19:29	X	X																		
CCVL 280-200481/97	1		19:31	X	X																		

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				Sb																			
ICIS 280-201175/1	1		14:26	X																			
IC 280-201175/2			14:28	X																			
IC 280-201175/3			14:31	X																			
ZZZZZZ			14:33																				
ZZZZZZ			14:35																				
ICVH 280-201175/6	1		14:37	X																			
ICV 280-201175/7	1		14:40	X																			
ZZZZZZ			14:42																				
ICVL 280-201175/9	1		15:04	X																			
ICVL 280-201175/10	1		15:07	X																			
CCVH 280-201175/11			15:16																				
CCV 280-201175/12			15:18																				
ZZZZZZ			15:20																				
ICB 280-201175/14	1		15:24	X																			
CRI 280-201175/15	1		15:26	X																			
CRI 280-201175/16	1		15:37																				
CRI 280-201175/17	1		15:55																				
ICSA 280-201175/18	1		15:59	X																			
ICSAB 280-201175/19	1		16:02	X																			
LRA 280-201175/20			16:04																				
CCVH 280-201175/21			16:07																				
CCV 280-201175/22			16:09																				
CCB 280-201175/23			16:12																				
CCVL 280-201175/24			16:14																				
ZZZZZZ			16:27																				
ZZZZZZ			16:30																				
ZZZZZZ			16:32																				
ZZZZZZ			16:34																				
ZZZZZZ			16:37																				
ZZZZZZ			16:39																				
ZZZZZZ			16:41																				
ZZZZZZ			16:43																				
ZZZZZZ			16:46																				
CCVH 280-201175/34	1		16:48	X																			
CCV 280-201175/35	1		16:50	X																			
CCB 280-201175/36	1		16:53	X																			
CCVL 280-201175/37	1		17:01	X																			
MB 280-199600/1-A	1	T	17:05	X																			
LCS 280-199600/2-A	1	T	17:07	X																			
ZZZZZZ			17:09																				
ZZZZZZ			17:12																				
ZZZZZZ			17:14																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																				
				Sb																				
ZZZZZZ			17:16																					
ZZZZZZ			17:18																					
CCVH 280-201175/45	1		17:20	X																				
CCV 280-201175/46	1		17:23	X																				
CCB 280-201175/47	1		17:25	X																				
CCVL 280-201175/48	1		17:29	X																				
ZZZZZZ			17:39																					
ZZZZZZ			17:42																					
ZZZZZZ			17:44																					
ZZZZZZ			17:46																					
280-48486-1	1	T	17:48	X																				
ZZZZZZ			17:51																					
ZZZZZZ			17:53																					
ZZZZZZ			17:56																					
ZZZZZZ			17:58																					
ZZZZZZ			18:00																					
CCVH 280-201175/59	1		18:03	X																				
CCV 280-201175/60	1		18:05	X																				
CCB 280-201175/61	1		18:07	X																				
CCVL 280-201175/62	1		18:09	X																				
ZZZZZZ			18:12																					
ZZZZZZ			18:14																					
ZZZZZZ			18:16																					
ZZZZZZ			18:19																					
ZZZZZZ			18:21																					
ZZZZZZ			18:23																					
ZZZZZZ			18:26																					
CCVH 280-201175/70			18:28																					
CCV 280-201175/71			18:30																					
CCB 280-201175/72			18:32																					
CCVL 280-201175/73			18:35																					
ZZZZZZ			18:37																					
ZZZZZZ			18:39																					
ZZZZZZ			18:42																					
ZZZZZZ			18:44																					
ZZZZZZ			18:46																					
CCVH 280-201175/79			18:49																					
CCV 280-201175/80			18:52																					
CCB 280-201175/81			18:54																					
CCVL 280-201175/82			18:56																					
ZZZZZZ			18:58																					
ZZZZZZ			19:01																					

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_025 Method: 6010C

Start Date: 11/14/2013 14:26 End Date: 11/14/2013 19:52

Lab Sample ID	D / F	Type	Time	Analytes																			
				Sb																			
ZZZZZZ			19:03																				
ZZZZZZ			19:05																				
ZZZZZZ			19:08																				
ZZZZZZ			19:10																				
ZZZZZZ			19:12																				
ZZZZZZ			19:14																				
CCVH 280-201175/91			19:17																				
CCV 280-201175/92			19:19																				
CCB 280-201175/93			19:21																				
CCVL 280-201175/94			19:23																				
ZZZZZZ			19:26																				
ZZZZZZ			19:28																				
ZZZZZZ			19:31																				
ZZZZZZ			19:33																				
ZZZZZZ			19:35																				
ZZZZZZ			19:38																				
ZZZZZZ			19:40																				
ZZZZZZ			19:43																				
CCVH 280-201175/103			19:45																				
CCV 280-201175/104			19:47																				
CCB 280-201175/105			19:49																				
CCVL 280-201175/106			19:52																				

Prep Types

T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D/F	Type	Time	Analytes																				
				Hg																				
STD0 280-200988/1 IC			17:33	X																				
STD1 280-200988/2 IC			17:35	X																				
STD2 280-200988/3 IC			17:38	X																				
STD3 280-200988/4 IC			17:40	X																				
STD4 280-200988/5 IC			17:42	X																				
STD5 280-200988/6 IC			17:45	X																				
STD6 280-200988/7 IC			17:47	X																				
ICV 280-200988/8	1		17:57	X																				
ICB 280-200988/9	1		18:01	X																				
CRA 280-200988/10			18:06																					
CCV 280-200988/11			18:08																					
CCB 280-200988/12			18:11																					
ZZZZZZ			18:13																					
ZZZZZZ			18:18																					
ZZZZZZ			18:20																					
ZZZZZZ			18:22																					
ZZZZZZ			18:24																					
ZZZZZZ			18:27																					
ZZZZZZ			18:29																					
ZZZZZZ			18:31																					
ZZZZZZ			18:34																					
ZZZZZZ			18:36																					
CCV 280-200988/23	1		18:38	X																				
CCB 280-200988/24	1		18:41	X																				
ZZZZZZ			18:43																					
ZZZZZZ			18:45																					
ZZZZZZ			18:48																					
MB 280-199719/1-A	1	T	18:50	X																				
ZZZZZZ			18:52																					
280-48486-1	1	T	18:54	X																				
ZZZZZZ			18:57																					
ZZZZZZ			18:59																					
ZZZZZZ			19:01																					
ZZZZZZ			19:04																					
CCV 280-200988/35	1		19:06	X																				
CCB 280-200988/36	1		19:08	X																				
ZZZZZZ			19:10																					
ZZZZZZ			19:13																					
ZZZZZZ			19:15																					
ZZZZZZ			19:18																					
LCS 280-199719/2-A	1	T	19:20	X																				
CCV 280-200988/42	1		19:22	X																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
CCB 280-200988/43	1		19:25	X																			
ZZZZZZ			19:27																				
ZZZZZZ			19:29																				
ZZZZZZ			19:32																				
ZZZZZZ			19:34																				
ZZZZZZ			19:36																				
ZZZZZZ			19:38																				
CCV 280-200988/50			19:41																				
CCB 280-200988/51			19:43																				
ZZZZZZ			19:45																				
ZZZZZZ			19:48																				
ZZZZZZ			19:50																				
ZZZZZZ			19:52																				
ZZZZZZ			19:55																				
ZZZZZZ			19:57																				
ZZZZZZ			19:59																				
ZZZZZZ			20:02																				
ZZZZZZ			20:04																				
ZZZZZZ			20:06																				
CCV 280-200988/62			20:08																				
CCB 280-200988/63			20:11																				
ZZZZZZ			20:13																				
ZZZZZZ			20:15																				
ZZZZZZ			20:18																				
ZZZZZZ			20:20																				
ZZZZZZ			20:22																				
ZZZZZZ			20:25																				
ZZZZZZ			20:27																				
ZZZZZZ			20:29																				
ZZZZZZ			20:32																				
ZZZZZZ			20:34																				
CCV 280-200988/74			20:36																				
CCB 280-200988/75			20:38																				
ZZZZZZ			20:41																				
ZZZZZZ			20:43																				
ZZZZZZ			20:45																				
ZZZZZZ			20:48																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:54																				
ZZZZZZ			20:57																				
ZZZZZZ			20:59																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			21:01																				
CCV 280-200988/86			21:04																				
CCB 280-200988/87			21:06																				
ZZZZZZ			21:08																				
ZZZZZZ			21:11																				
ZZZZZZ			21:13																				
ZZZZZZ			21:15																				
ZZZZZZ			21:18																				
ZZZZZZ			21:20																				
ZZZZZZ			21:22																				
ZZZZZZ			21:24																				
ZZZZZZ			21:27																				
ZZZZZZ			21:29																				
CCV 280-200988/98			21:31																				
CCB 280-200988/99			21:34																				
ZZZZZZ			21:36																				
ZZZZZZ			21:38																				
ZZZZZZ			21:41																				
ZZZZZZ			21:43																				
ZZZZZZ			21:45																				
ZZZZZZ			21:48																				
ZZZZZZ			21:50																				
ZZZZZZ			21:52																				
ZZZZZZ			21:54																				
ZZZZZZ			21:57																				
CCV 280-200988/110			21:59																				
CCB 280-200988/111			22:01																				
ZZZZZZ			22:04																				
ZZZZZZ			22:06																				
ZZZZZZ			22:08																				
ZZZZZZ			22:11																				
ZZZZZZ			22:13																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
ZZZZZZ			22:20																				
ZZZZZZ			22:22																				
ZZZZZZ			22:24																				
CCV 280-200988/122			22:27																				
CCB 280-200988/123			22:29																				
ZZZZZZ			22:31																				
ZZZZZZ			22:34																				
ZZZZZZ			22:36																				

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: MT_033 Method: 7471B

Start Date: 11/13/2013 17:33 End Date: 11/13/2013 23:30

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			22:38																				
ZZZZZZ			22:41																				
ZZZZZZ			22:43																				
ZZZZZZ			22:45																				
ZZZZZZ			22:48																				
ZZZZZZ			22:52																				
ZZZZZZ			22:57																				
CCV 280-200988/134			22:59																				
CCB 280-200988/135			23:01																				
ZZZZZZ			23:04																				
ZZZZZZ			23:08																				
ZZZZZZ			23:10																				
ZZZZZZ			23:12																				
ZZZZZZ			23:15																				
ZZZZZZ			23:17																				
ZZZZZZ			23:19																				
ZZZZZZ			23:22																				
ZZZZZZ			23:24																				
CCV 280-200988/145			23:27																				
CCB 280-200988/146			23:30																				

Prep Types

T = Total/NA

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ICP Data Review Checklist

TALS BATCH NUMBER: 200251 - 200255, 200257, 200259		Earliest due date: 11/11/13
Run Date: 11/8/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 6010B 6020		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/11/13

Comments: _____

2nd Level Reviewer: [signature] Date: 11/11/13

Comments: _____

Sample Name: ICIS Acquired: 11/8/2013 14:25:12 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00183**	**.00031**	**-.01477**	**-.00011**	**.00036**	**.00831**	**-.00123**	**-.00100**	**.00513**	**-.00036**	**-.00012**	**-.00031**	**.00299**
Stddev	.00001	.00003	.00064	.00006	.00003	.00191	.00023	.00017	.00021	.00004	.00003	.00016	.00018
%RSD	.59759	11.262	4.3637	50.686	7.1211	23.019	18.542	16.967	4.0600	11.848	28.445	49.908	6.0803
#1	-.00184	.00033	-.01432	-.00015	.00035	.00966	-.00139	-.00088	.00528	-.00039	-.00009	-.00020	.00312
#2	-.00182	.00028	-.01523	-.00007	.00038	.00696	-.00106	-.00112	.00499	-.00033	-.00014	-.00042	.00286

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00021**	**-.00105**	**.00037**	**-.00935**	**-.00001**	**.00002**	**.00006**	**.00757**	**-.00980**	**-.00052**	**-.00010**	**.00005**	**-.00048**
Stddev	.00004	.00050	.00020	.00005	.00004	.00006	.00003	.00046	.00113	.00004	.00002	.00008	.00005
%RSD	20.123	47.726	54.412	.55731	426.82	367.43	44.722	6.1237	11.573	7.1498	18.162	168.67	11.356
#1	.00018	-.00140	.00051	-.00939	-.00004	-.00003	.00008	.00790	-.01060	-.00050	-.00011	.00011	-.00044
#2	.00024	-.00069	.00023	-.00931	.00002	.00006	.00004	.00724	-.00900	-.00055	-.00009	-.00001	-.00051

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00051**	**.00011**	**.00025**	**.00025**	**.00015**	**-.00235**	**-.00060**	**-.00038**	**-.00029**	**-.00048**	**.00040**	**.00000**	**-.00276**
Stddev	.00003	.00006	.00022	.00022	.00001	.00001	.00005	.00004	.00014	.00006	.00001	.00000	.00006
%RSD	5.6758	56.199	87.309	87.309	5.5870	.25868	8.0884	10.061	49.532	12.321	1.5165	5071.8	2.2601
#1	.00049	.00015	.00010	.00010	.00016	-.00236	-.00057	-.00036	-.00039	-.00044	.00041	.00000	-.00272
#2	.00053	.00007	.00041	.00041	.00015	-.00235	-.00063	-.00041	-.00019	-.00053	.00040	.00000	-.00280

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8009.9**	**101350.**	**8336.8**
Stddev	11.5	331.	2.5
%RSD	.14335	.32622	.03047
#1	8018.0	101590.	8338.6
#2	8001.8	101120.	8335.0

Sample Name: ICAL1 Acquired: 11/8/2013 14:27:32 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.18410**	**.23977**	**.08524**	**.24345**	**4.3582**	**6.3991**	**1.9035**	**1.3732**	**.83655**	**.85539**	**.28831**	**.62658**	**4.0272**	**1.5786**
Stddev	.00117	.00015	.00008	.00051	.0078	.0125	.0010	.0009	.00066	.00042	.00076	.00105	.0024	.0013
%RSD	.63802	.06340	.09454	.21015	.17846	.19557	.05383	.06390	.07949	.04922	.26319	.16711	.05925	.08253
#1	.18327	.23988	.08519	.24309	4.3527	6.4080	1.9042	1.3726	.83608	.85510	.28777	.62584	4.0255	1.5795
#2	.18493	.23966	.08530	.24381	4.3637	6.3903	1.9028	1.3738	.83702	.85569	.28885	.62732	4.0289	1.5777

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.83581**	**1.1577**	**.41516**	**1.3342**	**.60597**	**.09802**	**.45124**	**.16477**	**.08476**	**.30095**	**.30095**	**.20210**	**8.3537**	**.27893**
Stddev	.00355	.0062	.00058	.0034	.00014	.00037	.00045	.00004	.00019	.00082	.00082	.00011	.0135	.00162
%RSD	.42523	.53919	.13886	.25163	.02246	.38221	.10006	.02187	.23000	.27321	.27321	.05532	.16140	.58008
#1	.83329	1.1533	.41475	1.3319	.60588	.09776	.45092	.16475	.08463	.30154	.30154	.20218	8.3442	.27779
#2	.83832	1.1621	.41557	1.3366	.60607	.09829	.45156	.16480	.08490	.30037	.30037	.20202	8.3633	.28008

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17326**	**.18759**	**.02590**	**.31010**
Stddev	.00039	.00120	.00018	.00054
%RSD	.22429	.63977	.69885	.17393
#1	.17299	.18674	.02578	.30972
#2	.17353	.18844	.02603	.31048

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7941.8**	**99601.**	**8328.0**
Stddev	25.0	23.	3.6
%RSD	.31505	.02359	.04284
#1	7959.5	99584.	8325.5
#2	7924.1	99617.	8330.5

Sample Name: ICAL2 Acquired: 11/8/2013 14:29:42 Type: Cal
Method: 6500_025(v3) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.4687**	**.16256**	**.55650**	**2.3934**	**.28432**	**.44386**	**.09065**
Stddev	.0049	.00041	.00022	.0021	.00071	.00205	.00019
%RSD	.14203	.25210	.03889	.08960	.24853	.46245	.20962
#1	3.4652	.16227	.55635	2.3949	.28382	.44240	.09051
#2	3.4722	.16285	.55666	2.3918	.28482	.44531	.09078

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7656.2**	**95105.**	**8349.3**
Stddev	.4	635.	47.5
%RSD	.00527	.66813	.56852
#1	7656.5	95554.	8382.8
#2	7655.9	94655.	8315.7

Sample Name: S1-2357605 Acquired: 11/8/2013 14:36:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99160**	**1.0080**	**1.9751**	**.99108**	**1.0021**	**1.0029**	**.00312**	**10.028**	**.99201**	**.99302**	**.98840**	**.99660**	**4.9477**
Stddev	.00131	.0027	.0014	.00365	.0007	.0013	.00082	.004	.00124	.00275	.00015	.00123	.0071
%RSD	.13194	.26455	.07358	.36807	.07347	.13189	26.429	.03674	.12535	.27740	.01512	.12347	.14437
#1	.99068	1.0061	1.9740	.98850	1.0026	1.0019	.00253	10.026	.99113	.99108	.98851	.99573	4.9427
#2	.99253	1.0099	1.9761	.99366	1.0016	1.0038	.00370	10.031	.99289	.99497	.98830	.99747	4.9528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**100.32**	**1.9922**	**39.847**	**.99965**	**.98746**	**10.155**	**10.420**	**.99155**	**1.9660**	**1.9884**	**-.00218**	**1.9877**	**1.9711**
Stddev	.23	.0070	.077	.00074	.00118	.007	.078	.00013	.0007	.0069	.00069	.0106	.0035
%RSD	.22520	.34949	.19206	.07428	.11964	.07076	.74553	.01286	.03430	.34884	31.690	.53274	.17589
#1	100.16	1.9971	39.901	.99912	.98662	10.150	10.475	.99164	1.9655	1.9835	-.00169	1.9802	1.9687
#2	100.48	1.9873	39.793	1.0002	.98829	10.161	10.365	.99146	1.9665	1.9933	-.00267	1.9951	1.9736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8920**	**21.169**	**1.9701**	**1.0008**	**-.00665**	**1.0045**	**1.9835**	**-.01760**	**.99855**	**1.0045**	**.99775**
Stddev	.0156	.033	.0011	.0011	.00248	.0004	.0032	.03378	.00285	.0042	.00191
%RSD	.15718	.15718	.05431	.10990	37.256	.04387	.16059	191.93	.28512	.41895	.19125
#1	9.8810	21.145	1.9694	1.0016	-.00840	1.0042	1.9813	.00629	1.0006	1.0074	.99640
#2	9.9030	21.192	1.9709	1.0001	-.00489	1.0048	1.9858	-.04149	.99654	1.0015	.99910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7964.5**	**98595.**	**8388.2**
Stddev	4.9	99.	68.5
%RSD	.06211	.10005	.81720
#1	7961.0	98526.	8436.7
#2	7968.0	98665.	8339.7

Sample Name: S2-2357612 Acquired: 11/8/2013 14:40:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .00724	99.542	.00444	.00960	.00072	.00024	1.9396	.02048	-.00007	-.00118	-.00013	.01457	98.271
Stddev	.00010	.269	.00198	.00032	.00038	.00005	.0018	.00405	.00003	.00003	.00007	.00022	.101
%RSD	1.3968	.27070	44.612	3.2934	52.692	22.544	.09071	19.768	40.553	2.7537	50.764	1.5227	.10282
#1	.00717	99.352	.00304	.00982	.00098	.00028	1.9408	.01762	-.00005	-.00120	-.00018	.01442	98.343
#2	.00731	99.733	.00583	.00938	.00045	.00020	1.9383	.02335	-.00009	-.00115	-.00008	.01473	98.200
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11433	.00230	.17195	.00113	-.00040	498.42	.00002	.00202	.00309	9.8811	.00550	.00311	.05261
Stddev	.00468	.00093	.00149	.00003	.00002	1.94	.00019	.00001	.00001	.0108	.00165	.00164	.01525
%RSD	4.0922	40.295	.86691	2.9017	5.9763	.38898	1185.1	.60634	.24557	.10932	30.059	52.634	28.991
#1	.11764	.00165	.17090	.00110	-.00038	497.05	.00015	.00203	.00310	9.8887	.00433	.00427	.06339
#2	.11103	.00296	.17301	.00115	-.00041	499.79	-.00012	.00201	.00309	9.8735	.00667	.00195	.04182
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.11258	.00164	.00093	9.8813	-.01105	.00246	19.993	.00176	.00077	.02058
Stddev	.03264	.00175	.00006	.0588	.00051	.00007	.055	.00019	.00046	.00107
%RSD	28.991	106.47	6.9817	.59515	4.6023	2.9767	.27480	10.605	59.669	5.1900
#1	.13566	.00288	.00088	9.8397	-.01069	.00241	19.954	.00189	.00110	.01982
#2	.08950	.00041	.00098	9.9229	-.01140	.00251	20.032	.00163	.00045	.02133
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7714.0	94899.	8409.3
Stddev	29.8	316.	30.8
%RSD	.38601	.33303	.36645
#1	7735.0	95123.	8431.1
#2	7692.9	94676.	8387.6

Sample Name: ICVH-2348911 Acquired: 11/8/2013 14:44:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00165**	**40.940**	**.00090**	**.00101**	**.00260**	**.00013**	W **.53327**	**.00876**	**-.00013**	**.00044**	**-.00023**	**.00431**
Stddev	.00034	.108	.00177	.00022	.00006	.00013	.00109	.00308	.00011	.00017	.00022	.00035
%RSD	20.531	.26350	195.37	22.146	2.3294	99.420	.20460	35.206	83.694	38.764	94.149	8.1776
#1	.00189	41.016	.00215	.00117	.00264	.00022	.53404	.01094	-.00005	.00057	-.00038	.00406
#2	.00141	40.864	-.00035	.00085	.00255	.00004	.53250	.00658	-.00021	.00032	-.00008	.00455
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**81.043**	**-.01861**	**-.00109**	**.04561**	**.00022**	**-.00034**	**42.049**	**.00105**	**.00059**	**.00086**	**3.9100**	**.00168**
Stddev	.299	.00007	.00037	.00027	.00006	.00015	.269	.00020	.00060	.00114	.0099	.00124
%RSD	.36947	.38924	33.745	.58884	28.526	45.790	.63867	19.261	101.05	133.11	.25378	73.827
#1	81.254	-.01856	-.00135	.04542	.00026	-.00045	42.239	.00119	.00101	.00166	3.9170	.00256
#2	80.831	-.01866	-.00083	.04580	.00017	-.00023	41.859	.00090	.00017	.00005	3.9030	.00081
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.00034**	**.00072**	**.00056**	**.00012**	**2.9964**	**-.00339**	**.00083**	**5.2629**	**.00013**	**.00246**	**.00910**
Stddev	.00092	.01923	.04116	.00025	.00007	.0054	.00031	.00034	.0022	.00006	.00034	.00252
%RSD	66.235	5677.5	5677.5	44.693	54.413	.18121	9.0109	41.186	.04239	48.583	13.917	27.642
#1	-.00205	-.01326	-.02838	.00038	.00007	2.9925	-.00317	.00107	5.2645	.00008	.00222	.01088
#2	-.00074	.01394	.02983	.00074	.00017	3.0002	-.00360	.00059	5.2613	.00017	.00270	.00732
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.2**	**100800.**	**8557.3**
Stddev	18.1	341.	27.3
%RSD	.22336	.33860	.31881
#1	8104.3	100560.	8538.0
#2	8130.0	101040.	8576.6

Sample Name: X Acquired: 11/8/2013 14:47:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25145**	W **.27070**	**.24824**	**.25115**	**.25073**	**.24345**	**.00505**	**2.0185**	**.25236**	**.25295**	**.25210**	**.25359**
Stddev	.00174	.00128	.00072	.00024	.00111	.00015	.00001	.0053	.00175	.00047	.00013	.00028
%RSD	.69315	.47363	.29154	.09613	.44356	.05990	.22032	.26117	.69310	.18723	.05062	.11041
#1	.25268	.27161	.24773	.25132	.24995	.24334	.00505	2.0148	.25360	.25261	.25201	.25379
#2	.25022	.26980	.24875	.25097	.25152	.24355	.00504	2.0222	.25113	.25328	.25219	.25339
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.36407**	**20.118**	**.25066**	**9.9985**	**.25258**	**.24923**	F **2.3822**	**.25420**	**1.9353**	**.25541**	**.00501**	**.24870**
Stddev	.14302	.044	.00246	.0329	.00018	.00008	.4603	.00038	.0010	.00093	.00156	.00299
%RSD	39.284	.21668	.98196	.32867	.07072	.03095	19.322	.15098	.04919	.36277	31.022	1.2030
#1	.46521	20.087	.24892	10.022	.25245	.24917	2.7076	.25447	1.9360	.25475	.00391	.25081
#2	.26294	20.149	.25240	9.9752	.25271	.24928	2.0567	.25393	1.9347	.25606	.00611	.24658
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value	.25000						2.0000					
Range	10.490%						10.490%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49350**	**2.0014**	**4.2830**	**.50643**	**.24920**	**.00019**	**.24930**	**.52200**	**.00701**	**.24816**	**.25180**	**.24710**
Stddev	.00044	.0160	.0343	.00150	.00061	.00014	.00043	.00051	.00491	.00020	.00213	.00249
%RSD	.09013	.80117	.80117	.29559	.24304	73.449	.17182	.09809	70.109	.08141	.84512	1.0093
#1	.49381	1.9901	4.2588	.50748	.24877	.00029	.24900	.52236	.00353	.24802	.25331	.24534
#2	.49318	2.0128	4.3073	.50537	.24962	.00009	.24960	.52164	.01048	.24830	.25030	.24887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8065.3**	**101550.**	**8413.5**
Stddev	.1	141.	25.8
%RSD	.00163	.13845	.30660
#1	8065.2	101650.	8431.7
#2	8065.4	101450.	8395.2

Sample Name: ICV-2364198 Acquired: 11/8/2013 14:57:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25059**	W **.26894**	**.24780**	**.25207**	**.25284**	**.24470**	**.00239**	**2.0560**	**.25323**	**.25262**	**.25359**	**.25340**
Stddev	.00038	.00012	.00162	.00022	.00016	.00030	.00256	.0158	.00013	.00018	.00041	.00026
%RSD	.15074	.04411	.65263	.08611	.06255	.12209	107.33	.76596	.05076	.07222	.16112	.10392
#1	.25032	.26903	.24894	.25191	.25273	.24491	.00420	2.0672	.25332	.25275	.25387	.25321
#2	.25086	.26886	.24665	.25222	.25296	.24449	.00058	2.0449	.25314	.25250	.25330	.25358
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25746**	**20.306**	**.25482**	**9.9922**	**.25245**	**.24940**	**2.0293**	**.25605**	**1.9392**	**.25725**	**.00752**	**.25461**
Stddev	.00085	.008	.00258	.0076	.00045	.00002	.0173	.00013	.0006	.00046	.00244	.00006
%RSD	.33173	.04044	1.0131	.07581	.17661	.00733	.85071	.05054	.03165	.17953	32.452	.02491
#1	.25686	20.312	.25299	9.9869	.25214	.24941	2.0171	.25614	1.9388	.25757	.00579	.25466
#2	.25807	20.300	.25664	9.9976	.25277	.24939	2.0415	.25596	1.9397	.25692	.00924	.25457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49496**	**2.0055**	**4.2917**	**.50753**	**.25095**	**-.00114**	**.24873**	**.52291**	**-.01789**	**.24830**	**.25400**	**.24719**
Stddev	.00040	.0132	.0282	.00049	.00023	.00037	.00126	.00132	.00479	.00011	.00309	.00139
%RSD	.08139	.65592	.65592	.09750	.09160	32.255	.50463	.25175	26.791	.04238	1.2149	.56372
#1	.49468	1.9962	4.2718	.50718	.25112	-.00140	.24784	.52198	-.01450	.24822	.25618	.24818
#2	.49525	2.0148	4.3116	.50788	.25079	-.00088	.24961	.52384	-.02128	.24837	.25182	.24621
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8072.0**	**102610.**	**8501.8**
Stddev	6.9	139.	3.2
%RSD	.08596	.13542	.03790
#1	8067.1	102710.	8499.5
#2	8076.9	102510.	8504.0

Sample Name: ICV-2364198 Acquired: 11/8/2013 14:59:35 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25236**	W **.26916**	**.25152**	**.25234**	**.25205**	**.24308**	**.00177**	**2.0340**	**.25318**	**.25475**	**.25395**	**.25521**
Stddev	.00095	.00048	.00006	.00111	.00118	.00012	.00079	.0068	.00040	.00067	.00033	.00021
%RSD	.37508	.17674	.02471	.44048	.46783	.05112	44.420	.33426	.15723	.26294	.12891	.08103
#1	.25303	.26950	.25147	.25312	.25288	.24299	.00232	2.0292	.25346	.25522	.25418	.25507
#2	.25169	.26883	.25156	.25155	.25121	.24316	.00121	2.0388	.25290	.25428	.25372	.25536
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.25000										
Range		5.4900%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25509**	**20.143**	**.25311**	**10.074**	**.25431**	**.24990**	**2.0282**	**.25615**	**1.9418**	**.25712**	**.00435**	**.25730**
Stddev	.00009	.040	.00042	.015	.00017	.00082	.0002	.00106	.0053	.00108	.00173	.00124
%RSD	.03496	.19752	.16493	.14463	.06765	.32694	.01169	.41451	.27027	.41859	39.759	.48294
#1	.25516	20.171	.25281	10.084	.25419	.25048	2.0284	.25690	1.9455	.25789	.00557	.25642
#2	.25503	20.115	.25340	10.063	.25443	.24933	2.0280	.25540	1.9380	.25636	.00313	.25818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49736**	**1.9826**	**4.2428**	**.50976**	**.24996**	**-.00108**	**.25048**	**.52722**	**-.00702**	**.24881**	**.25639**	**.24545**
Stddev	.00057	.0235	.0502	.00135	.00057	.00195	.00039	.00022	.04013	.00031	.00057	.00198
%RSD	.11452	1.1837	1.1837	.26526	.22949	181.28	.15699	.04263	571.31	.12547	.22151	.80768
#1	.49776	1.9660	4.2073	.51071	.25037	.00030	.25020	.52738	-.03540	.24859	.25679	.24404
#2	.49696	1.9992	4.2783	.50880	.24956	-.00246	.25076	.52706	.02135	.24903	.25599	.24685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.6**	**101490.**	**8556.2**
Stddev	17.3	430.	22.5
%RSD	.21326	.42344	.26241
#1	8079.4	101190.	8540.3
#2	8103.8	101800.	8572.1

Sample Name: ICVL2367586 Acquired: 11/8/2013 15:16:08 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.11287**	**.01385**	**.09710**	**.00990**	**.00111**	**.12464**	**.21333**	**.00567**	**.01060**	**.01076**	**.01562**	**.10599**
Stddev	.00030	.00856	.00038	.00059	.00030	.00005	.00443	.00024	.00015	.00054	.00019	.00018	.00278
%RSD	3.1012	7.5838	2.7483	.60934	3.0421	4.7742	3.5506	.11197	2.5719	5.0932	1.7769	1.1260	2.6209
#1	.00996	.10682	.01358	.09668	.01011	.00115	.12776	.21350	.00557	.01022	.01062	.01574	.10403
#2	.00953	.11893	.01412	.09752	.00969	.00107	.12151	.21316	.00578	.01098	.01089	.01549	.10796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0862**	**.01157**	**.20933**	**.01035**	**.02019**	**1.0389**	**.04223**	**2.8594**	**.01143**	**.00467**	**.01124**	**.01486**	**.49863**
Stddev	.0227	.00063	.00119	.00005	.00006	.0093	.00025	.0008	.00055	.00211	.00001	.00203	.02044
%RSD	.73410	5.4053	.56626	.44515	.27902	.89094	.58416	.02866	4.8067	45.275	.09753	13.665	4.0986
#1	3.0701	.01112	.21017	.01032	.02015	1.0323	.04206	2.8588	.01104	.00317	.01125	.01342	.48417
#2	3.1022	.01201	.20849	.01039	.02023	1.0454	.04241	2.8600	.01182	.00617	.01123	.01630	.51308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0671**	**.10346**	**.01035**	**.01516**	**.01010**	**.01712**	F **.08832**	**.00928**	**.02442**	**.01566**
Stddev	.0437	.00050	.00021	.00124	.00047	.00150	.01400	.00037	.00055	.00185
%RSD	4.0986	.48751	2.0261	8.1663	4.6335	8.7486	15.847	3.9722	2.2560	11.833
#1	1.0361	.10310	.01020	.01603	.00976	.01818	.07842	.00954	.02481	.01697
#2	1.0980	.10381	.01050	.01428	.01043	.01606	.09822	.00902	.02403	.01435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.6**	**104590.**	**8530.9**
Stddev	54.9	174.	10.1
%RSD	.67510	.16626	.11830
#1	8175.4	104710.	8538.1
#2	8097.7	104470.	8523.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 15:19:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**50.178**	**.00118**	**.00479**	**.00033**	**.00015**	**.98012**	**.00053**	**-.00008**	**-.00086**	**-.00007**	**.00664**	**49.704**
Stddev	.00018	.251	.00226	.00030	.00006	.00004	.00344	.00065	.00016	.00014	.00008	.00024	.153
%RSD	7.3196	.50109	191.96	6.3496	19.394	25.317	.35090	122.69	200.48	16.613	120.69	3.6045	.30850
#1	.00252	50.000	.00278	.00501	.00038	.00012	.98256	.00007	.00003	-.00096	-.00001	.00647	49.596
#2	.00227	50.356	-.00042	.00458	.00028	.00017	.97769	.00099	-.00020	-.00076	-.00013	.00681	49.813
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05847**	**.00085**	**.08056**	**.00035**	**-.00038**	**250.52**	**.00024**	**.00169**	**.00169**	**4.8821**	**.00264**	**.00022**	**.02042**
Stddev	.02145	.00205	.00457	.00004	.00007	1.03	.00018	.00043	.00021	.0037	.00032	.00049	.00442
%RSD	36.693	241.91	5.6674	12.845	18.798	.40942	77.238	25.401	12.667	.07656	12.211	222.58	21.625
#1	.07363	-.00060	.08379	.00032	-.00033	249.79	.00011	.00200	.00185	4.8795	.00241	.00057	.02354
#2	.04330	.00230	.07733	.00038	-.00043	251.24	.00037	.00139	.00154	4.8848	.00287	-.00013	.01730
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04370**	**-.00038**	**.00040**	**4.8493**	**-.00552**	**.00177**	**10.104**	**.00047**	**.00187**	**.01613**
Stddev	.00945	.00010	.00004	.0094	.00029	.00040	.015	.00038	.00026	.00170
%RSD	21.625	27.602	9.4507	.19384	5.2364	22.720	.14803	79.730	13.834	10.565
#1	.05038	-.00045	.00042	4.8559	-.00572	.00205	10.115	.00021	.00168	.01493
#2	.03702	-.00030	.00037	4.8426	-.00531	.00148	10.093	.00074	.00205	.01734
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7824.5**	**97427.**	**8340.8**
Stddev	3.6	22.	69.0
%RSD	.04616	.02257	.82686
#1	7822.0	97442.	8389.6
#2	7827.1	97411.	8292.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 15:21:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49144**	**.51808**	**.96376**	**.48596**	**.49743**	**.49164**	**-.00052**	**4.9583**	**.48983**	**.49968**	**.49263**	**.50083**	**2.4698**
Stddev	.00159	.00088	.00892	.00010	.00303	.00338	.00327	.0358	.00008	.00121	.00127	.00239	.0236
%RSD	.32425	.17044	.92594	.02005	.60982	.68790	632.04	.72193	.01708	.24242	.25768	.47761	.95630
#1	.49031	.51870	.95745	.48589	.49957	.49403	.00179	4.9836	.48989	.49882	.49353	.49914	2.4865
#2	.49256	.51745	.97007	.48603	.49528	.48925	-.00283	4.9330	.48977	.50053	.49173	.50252	2.4531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.358**	**.99506**	**19.561**	**.49931**	**.49153**	**5.1763**	**.49750**	**.95427**	**1.0004**	**.00252**	**.99337**	**.95209**	**4.8742**
Stddev	.225	.00623	.032	.00031	.00106	.0508	.00085	.00137	.0046	.00017	.00226	.00299	.0472
%RSD	.45633	.62567	.16596	.06253	.21585	.98222	.16993	.14373	.46096	6.5998	.22797	.31378	.96862
#1	49.517	.99946	19.538	.49909	.49228	5.2122	.49690	.95524	.99712	.00241	.99177	.94997	4.9076
#2	49.198	.99066	19.584	.49953	.49078	5.1403	.49810	.95330	1.0036	.00264	.99497	.95420	4.8408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.431**	**.97976**	**.49545**	**-.00260**	**.50056**	**1.0116**	**.00086**	**.49687**	**.49374**	**.49369**
Stddev	.101	.00302	.00390	.00101	.00019	.0025	.02167	.00012	.00102	.00283
%RSD	.96862	.30786	.78665	38.672	.03724	.24990	2516.4	.02486	.20644	.57318
#1	10.502	.97763	.49821	-.00189	.50069	1.0098	.01619	.49679	.49302	.49169
#2	10.359	.98189	.49269	-.00331	.50043	1.0133	-.01446	.49696	.49447	.49569
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.1**	**100440.**	**8410.0**
Stddev	12.7	229.	79.5
%RSD	.15874	.22789	.94538
#1	8010.1	100600.	8353.7
#2	8028.1	100280.	8466.2

Sample Name: ICB Acquired: 11/8/2013 15:24:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00617**	**.00286**	**.00158**	**.00007**	**.00033**	**.00145**	**.00243**	**.00031**	**-.00005**	**.00025**	**-.00067**
Stddev	.00002	.00361	.00099	.00035	.00025	.00007	.00088	.00043	.00002	.00011	.00007	.00003
%RSD	5.3352	58.526	34.477	22.279	338.56	22.448	60.698	17.781	6.7319	247.48	26.993	4.9775
#1	.00046	.00872	.00216	.00183	.00025	.00039	.00207	.00273	.00030	.00003	.00030	-.00069
#2	.00043	.00361	.00356	.00133	-.00010	.00028	.00082	.00212	.00033	-.00013	.00020	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00541**	**.03997**	**.00119**	**.00541**	**.00009**	**.00050**	**.02496**	**-.00003**	**-.00065**	**.00243**	**.00585**	W **.00427**
Stddev	.00164	.05913	.00065	.00110	.00003	.00017	.00110	.00024	.00170	.00016	.00370	.00048
%RSD	30.263	147.93	54.618	20.269	37.786	34.641	4.4049	905.14	261.46	6.4512	63.312	11.220
#1	.00426	.08178	.00165	.00464	.00011	.00063	.02574	-.00020	.00055	.00254	.00323	.00393
#2	.00657	-.00184	.00073	.00619	.00007	.00038	.02418	.00014	-.00186	.00232	.00847	.00461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.02023**	**.04328**	**.00063**	**.00024**	**.00041**	**.00009**	**.00086**	**-.00421**	**.00027**	**.00433**	**.00053**
Stddev	.00087	.01316	.02817	.00118	.00007	.00092	.00039	.00096	.00838	.00007	.00018	.00250
%RSD	36.853	65.081	65.081	187.93	28.217	226.84	421.51	111.34	198.87	25.689	4.0451	472.69
#1	.00175	.02953	.06320	-.00021	.00019	-.00025	-.00018	.00018	.00171	.00022	.00445	.00230
#2	.00298	.01092	.02336	.00146	.00028	.00106	.00037	.00154	-.01014	.00032	.00420	-.00124
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.8**	**101640.**	**8399.9**
Stddev	27.7	271.	3.8
%RSD	.34561	.26710	.04546
#1	8039.4	101450.	8397.2
#2	8000.2	101830.	8402.6

Sample Name: CRI-2367585 Acquired: 11/8/2013 15:26:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00919**	**.10560**	**.01031**	**.09256**	W **.00744**	**.00110**	**.12039**	**.20493**	**.00482**	**.00491**	**.01012**	**.00942**
Stddev	.00024	.00098	.00051	.00117	.00024	.00004	.00121	.00042	.00008	.00004	.00005	.00017
%RSD	2.5661	.92834	4.9917	1.2631	3.2155	3.3629	1.0089	.20672	1.6944	.74419	.45810	1.8461
#1	.00902	.10630	.01068	.09339	.00727	.00108	.12125	.20463	.00476	.00488	.01015	.00929
#2	.00935	.10491	.00995	.09174	.00761	.00113	.11953	.20523	.00488	.00493	.01009	.00954
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value					.00500							
Range					20.490%							

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.03736**	**1.0099**	**.00924**	**.19630**	**.00314**	**.00985**	**.99854**	**.01018**	**.90551**	**.00343**	**.10338**	**.01007**
Stddev	.00057	.0164	.00042	.00306	.00002	.00009	.00854	.00027	.00204	.00032	.00130	.00051
%RSD	1.5286	1.6216	4.5991	1.5606	.68358	.87224	.85561	2.6858	.22515	9.3701	1.2621	5.0757
#1	.03696	.99835	.00954	.19847	.00316	.00979	.99249	.01037	.90695	.00321	.10430	.00971
#2	.03777	1.0215	.00894	.19414	.00313	.00991	1.0046	.00998	.90407	.00366	.10245	.01043
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.03000											
Range	20.490%											

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01164**	**.49434**	**1.0579**	**.01906**	**.00502**	F **.00431**	**.00982**	**.01126**	**.04850**	**.00946**	W **.01374**	**.01043**
Stddev	.00133	.01714	.0367	.00053	.00006	.00048	.00002	.00217	.02167	.00035	.00080	.00132
%RSD	11.387	3.4672	3.4672	2.7929	1.1381	11.126	.17062	19.255	44.679	3.6898	5.8224	12.654
#1	.01258	.50646	1.0838	.01868	.00498	.00465	.00981	.01279	.03318	.00971	.01431	.01136
#2	.01071	.48222	1.0320	.01944	.00506	.00397	.00983	.00973	.06382	.00922	.01318	.00950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value						.01000					.01000	
Range						-50.000%					20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8098.1**	**102870.**	**8439.0**
Stddev	9.4	73.	38.4
%RSD	.11608	.07125	.45487
#1	8091.4	102920.	8466.1
#2	8104.7	102820.	8411.9

Sample Name: CRI-2368617 Acquired: 11/8/2013 15:48:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00014**	**.00255**	**.00005**	**.01003**	**.00002**	**.00166**	**.00841**	**.00006**	**.00004**
Stddev	.00005	.00007	.00053	.00028	.00006	.00008	.00088	.00188	.00004	.00016
%RSD	8.4313	49.203	20.668	584.04	.63027	451.45	52.661	22.353	74.718	426.18
#1	-.00054	.00019	.00218	-.00015	.01007	-.00004	.00104	.00708	.00003	.00015
#2	-.00060	.00009	.00292	.00025	.00998	.00008	.00228	.00974	.00009	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00010**	**.05190**	**.01798**	**-.00043**	**.00030**	**.00006**	**.00027**	**-.03445**	**.00025**
Stddev	.00016	.00073	.00271	.04859	.00058	.00000	.00004	.00010	.00319	.00024
%RSD	340.21	760.98	5.2216	270.30	135.79	.89877	60.126	36.048	9.2556	94.948
#1	.00016	-.00042	.05381	-.01638	-.00084	.00030	.00009	.00034	-.03670	.00008
#2	-.00007	.00061	.04998	.05233	-.00002	.00030	.00003	.00020	-.03219	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.00004**	**-.00030**	**-.00010**	**.00050**	**.00399**	**.00855**	**.00015**	**.00005**	**.00044**
Stddev	.00205	.00063	.00212	.00218	.00417	.01243	.02660	.00049	.00006	.00138
%RSD	140.95	1452.5	712.53	2134.6	829.08	311.27	311.27	336.60	118.11	317.00
#1	-.00291	-.00040	.00120	-.00165	-.00245	-.00480	-.01026	.00049	.00001	.00141
#2	.00000	.00049	-.00179	.00144	.00345	.01278	.02736	-.00020	.00010	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00117**	**.01231**	**-.00043**	**.02293**	**.00166**
Stddev	.00028	.00114	.04728	.00035	.00001	.00223
%RSD	198.58	97.432	384.20	81.602	.04221	134.15
#1	.00034	.00198	-.02112	-.00068	.02292	.00324
#2	-.00006	.00036	.04573	-.00018	.02293	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8068.9**	**102140.**	**8396.5**
Stddev	.5	599.	116.8
%RSD	.00621	.58669	1.3908
#1	8068.6	102560.	8313.9
#2	8069.3	101710.	8479.0

Sample Name: ICSA-2295334 Acquired: 11/8/2013 15:58:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	R **521.51**	**-.00173**	**-.00206**	**.00024**	**.00007**	W **-.03610**	**460.08**	**.00044**	**-.00074**	**.00069**
Stddev	.00020	.36	.00037	.00071	.00021	.00007	.00063	.42	.00008	.00004	.00012
%RSD	15.871	.06827	21.413	34.362	86.906	99.031	1.7329	.09237	17.181	5.7866	16.886
#1	-.00138	521.25	-.00146	-.00156	.00038	.00002	-.03655	460.38	.00049	-.00071	.00077
#2	-.00110	521.76	-.00199	-.00257	.00009	.00011	-.03566	459.78	.00038	-.00077	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.01200				
Low Limit							-.01200				

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**195.20**	**-.03450**	W **.01074**	**501.65**	W **.00056**	**-.00016**	**.11675**	**-.00036**	**-.00599**	**.00138**
Stddev	.00025	.49	.00023	.00232	1.43	.00012	.00013	.01805	.00029	.00032	.00200
%RSD	11.196	.25000	.66783	21.644	.28475	20.719	83.816	15.464	81.934	5.3261	144.93
#1	.00209	195.54	-.03434	.01238	502.66	.00048	-.00025	.10398	-.00056	-.00621	-.00003
#2	.00245	194.85	-.03466	.00909	500.64	.00064	-.00006	.12952	-.00015	-.00576	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.06203**	**.00065**	**-.00020**	**.00230**	**.00493**	**.00121**	W **.01525**	W **.00850**	**-.00056**	**-.00199**	**-.00174**
Stddev	.00128	.00063	.00566	.01605	.03435	.00050	.00012	.00181	.00002	.00074	.01517
%RSD	2.0638	97.319	2760.5	696.47	696.47	41.158	.77583	21.300	2.9159	37.357	874.15
#1	-.06294	.00020	.00379	-.00905	-.01936	.00086	.01533	.00722	-.00057	-.00252	.00899
#2	-.06113	.00109	-.00420	.01366	.02922	.00157	.01517	.00978	-.00055	-.00147	-.01246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050	.00800			
Low Limit							-.00050	-.00800			

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **.00269**	**-.00332**	**-.00237**
Stddev	.00062	.00000	.00295
%RSD	22.923	.10794	124.82
#1	.00225	-.00332	-.00028
#2	.00312	-.00331	-.00446
Check ?	Chk Warn	Chk Pass	Chk Pass
High Limit	.00222		
Low Limit	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7271.9**	**87427.**	**8213.8**
Stddev	13.6	21.	65.4
%RSD	.18740	.02438	.79592
#1	7281.6	87442.	8260.1
#2	7262.3	87412.	8167.6

Sample Name: ICSAB-2363707 Acquired: 11/8/2013 16:01:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0802**	R **514.67**	**1.9667**	**1.8070**	**.50002**	**.48213**	**1.0229**	**465.83**	**.99019**	**.46053**	**.48163**	**.53698**	**192.55**
Stddev	.0030	1.49	.0010	.0054	.00254	.00193	.0000	2.14	.00188	.00058	.00066	.00117	.04
%RSD	.27803	.28910	.05143	.30029	.50769	.40105	.00184	.46025	.19019	.12647	.13767	.21801	.01881
#1	1.0781	515.72	1.9674	1.8032	.50181	.48349	1.0229	464.32	.98886	.46095	.48116	.53616	192.53
#2	1.0823	513.61	1.9660	1.8108	.49822	.48076	1.0229	467.35	.99152	.46012	.48210	.53781	192.58
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.462**	**1.0506**	**489.90**	**.50345**	**.95311**	**53.124**	**.91105**	**1.8798**	**.90074**	**.93885**	**.97260**	**4.6488**	**9.7690**
Stddev	.028	.0014	5.54	.00337	.00123	.010	.00167	.0050	.00253	.00103	.00287	.0125	.0551
%RSD	.05350	.12982	1.1318	.66981	.12909	.01880	.18358	.26861	.28132	.10975	.29534	.26871	.56396
#1	52.481	1.0516	485.98	.50107	.95224	53.131	.90986	1.8763	.89895	.93813	.97057	4.6400	9.8079
#2	52.442	1.0496	493.82	.50584	.95398	53.117	.91223	1.8834	.90253	.93958	.97463	4.6577	9.7300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.906**	**8.9041**	**1.0048**	**2.0638**	**.99921**	**8.2278**	**-.01592**	**.51011**	**.97541**	**.98348**
Stddev	.118	.0187	.0044	.0170	.00770	.0039	.02986	.00536	.00482	.00214
%RSD	.56396	.21017	.44058	.82381	.77059	.04690	187.56	1.0512	.49401	.21755
#1	20.989	8.8909	1.0079	2.0518	.99377	8.2250	-.03703	.50632	.97200	.98500
#2	20.822	8.9174	1.0017	2.0758	1.0047	8.2305	.00519	.51390	.97881	.98197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7405.8**	**88701.**	**8421.8**
Stddev	.9	640.	48.8
%RSD	.01232	.72139	.57918
#1	7405.2	89153.	8456.3
#2	7406.5	88248.	8387.3

Sample Name: LRA-2305343 Acquired: 11/8/2013 16:04:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2730**	**.05594**	**9.8133**	**9.2764**	**12.307**	**-.00399**	**-.08822**	**.08275**	**2.0279**	**5.0042**	**10.131**	**10.502**	R **522.02**
Stddev	.0124	.00987	.0354	.0296	.069	.00009	.00534	.00353	.0064	.0108	.031	.061	.13
%RSD	.97037	17.650	.36037	.31889	.56388	2.2006	6.0484	4.2642	.31469	.21585	.30885	.57889	.02439
#1	1.2817	.04896	9.8383	9.2974	12.258	-.00405	-.09199	.08524	2.0324	5.0118	10.153	10.545	521.93
#2	1.2643	.06292	9.7883	9.2555	12.356	-.00392	-.08445	.08025	2.0234	4.9966	10.109	10.459	522.11
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.19764**	**-.00148**	**.04502**	**10.028**	**4.9865**	**-.03621**	**10.127**	**.01189**	**10.176**	**-.07639**	**-.10836**	**4.8075**	**48.738**
Stddev	.01999	.00099	.00679	.051	.0116	.01821	.021	.00057	.028	.00340	.00347	.0075	.246
%RSD	10.113	66.702	15.075	.50832	.23222	50.282	.21069	4.7932	.27425	4.4450	3.2042	.15643	.50568
#1	-.18351	-.00078	.04982	10.064	4.9946	-.02334	10.142	.01149	10.196	-.07398	-.10590	4.8022	48.564
#2	-.21177	-.00218	.04022	9.9918	4.9783	-.04909	10.111	.01229	10.156	-.07879	-.11081	4.8128	48.912
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**104.30**	**.01240**	**10.135**	**.01301**	**10.074**	**4.9196**	**.02557**	**10.127**	**9.7627**	**-.00287**
Stddev	.53	.00015	.063	.00061	.026	.0169	.01518	.020	.0384	.00065
%RSD	.50568	1.2200	.62146	4.7174	.26036	.34442	59.368	.19628	.39298	22.623
#1	103.93	.01251	10.180	.01344	10.092	4.9315	.01483	10.141	9.7899	-.00333
#2	104.67	.01229	10.090	.01257	10.055	4.9076	.03630	10.112	9.7356	-.00241
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7962.6**	**100570.**	**8544.8**
Stddev	12.5	323.	47.5
%RSD	.15702	.32096	.55532
#1	7971.4	100340.	8578.4
#2	7953.8	100800.	8511.3

Sample Name: Na 5000 Acquired: 11/8/2013 16:07:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00161**	**.02750**	**.00356**	**.01432**	**.00360**	**.00014**	**.00316**	**.10414**	**.00031**	**-.00016**
Stddev	.00018	.00462	.00115	.00144	.00238	.00006	.00705	.02863	.00024	.00013
%RSD	11.403	16.794	32.421	10.076	66.127	45.588	222.82	27.492	78.071	84.150
#1	-.00174	.03077	.00274	.01534	.00529	.00018	-.00182	.12438	.00049	-.00006
#2	-.00148	.02424	.00437	.01330	.00192	.00009	.00814	.08389	.00014	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00257**	**.15531**	**1.8231**	**.00618**	**.05350**	**.00183**	**.00147**	RW **5224.7**	**.00106**
Stddev	.00023	.00021	.07624	1.0312	.00223	.00449	.00003	.00015	10.9	.00007
%RSD	27.132	8.0811	49.092	56.566	36.135	8.3898	1.6383	9.8930	.20775	6.1515
#1	.00100	.00243	.20922	1.0939	.00776	.05667	.00185	.00137	5217.0	.00102
#2	.00068	.00272	.10140	2.5523	.00460	.05032	.00181	.00157	5232.4	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**.00182**	**.03156**	**-.00094**	**.00208**	**.05219**	**.11169**	**.00108**	**.00276**	**-.00133**
Stddev	.00310	.00033	.00577	.00165	.00028	.00132	.00282	.00058	.00137	.00017
%RSD	42.736	18.276	18.270	174.86	13.452	2.5282	2.5282	54.180	49.559	12.751
#1	.00944	.00158	.02748	-.00211	.00228	.05126	.10969	.00149	.00373	-.00121
#2	.00506	.00205	.03564	.00022	.00188	.05312	.11369	.00066	.00180	-.00145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00199**	**-.00009**	**-.03000**	**.00185**	**.00860**	**-.00060**
Stddev	.00029	.00112	.01074	.00025	.00001	.00032
%RSD	14.652	1205.1	35.804	13.765	.13408	53.290
#1	.00219	-.00088	-.02241	.00203	.00861	-.00038
#2	.00178	.00070	-.03760	.00167	.00859	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6714.1**	**78969.**	**8015.8**
Stddev	40.9	194.	6.4
%RSD	.60870	.24620	.07957
#1	6685.2	79107.	8011.3
#2	6743.0	78832.	8020.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 16:11:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00286**	**50.563**	**.00340**	**.01189**	**.00019**	**.00008**	**.98709**	**.01004**	**.00007**	**-.00054**	**.00020**	**.00793**	**50.223**
Stddev	.00032	.025	.00262	.00108	.00025	.00004	.00299	.00311	.00012	.00019	.00001	.00064	.170
%RSD	11.145	.05006	77.209	9.0502	132.96	44.438	.30243	31.002	175.34	35.423	6.3055	8.1280	.33894
#1	.00263	50.581	.00154	.01265	.00001	.00010	.98921	.01224	-.00002	-.00068	.00021	.00747	50.344
#2	.00308	50.545	.00525	.01113	.00037	.00005	.98498	.00784	.00015	-.00041	.00019	.00838	50.103
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14702**	**.00360**	**.08523**	**.00054**	**.00000**	**253.31**	**.00011**	**.00198**	**.00099**	**4.9195**	**-.00107**	**-.00010**	**.01882**
Stddev	.02141	.00014	.00211	.00007	.0001	1.14	.00012	.00183	.00063	.0089	.00218	.00153	.01616
%RSD	14.563	3.8982	2.4734	12.728	2412.1	.45012	104.49	92.740	63.600	.18008	203.37	1478.6	85.886
#1	.16216	.00370	.08672	.00049	-.00007	252.50	.00020	.00327	.00144	4.9258	.00047	.00098	.03025
#2	.13188	.00350	.08374	.00059	.00006	254.12	.00003	.00068	.00055	4.9132	-.00262	-.00118	.00739
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04027**	**.00059**	**.00050**	**4.8289**	**-.00470**	**.00110**	**10.111**	**.00064**	**.00210**	**.01993**
Stddev	.03459	.00008	.00001	.0266	.00015	.00026	.051	.00041	.00002	.00231
%RSD	85.886	14.023	1.0835	.54976	3.1549	23.200	.50355	63.749	1.1134	11.566
#1	.06473	.00053	.00050	4.8477	-.00460	.00128	10.147	.00035	.00211	.01830
#2	.01581	.00065	.00050	4.8101	-.00481	.00092	10.075	.00093	.00208	.02156
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8034.4**	**100880.**	**8625.0**
Stddev	33.8	774.	14.0
%RSD	.42130	.76777	.16228
#1	8010.4	100330.	8634.9
#2	8058.3	101420.	8615.1

Sample Name: X Acquired: 11/8/2013 16:13:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48846**	**.52335**	**.97565**	**.49481**	**.49791**	**.49360**	**.00012**	**4.9757**	**.49220**	**.50258**	**.49696**	**.49852**	**2.4589**
Stddev	.00146	.00021	.00911	.00147	.00104	.00163	.00211	.0188	.00114	.00099	.00081	.00272	.0143
%RSD	.29791	.03917	.93354	.29617	.20922	.33071	1730.2	.37821	.23191	.19784	.16367	.54463	.57980
#1	.48743	.52321	.98209	.49378	.49718	.49244	-.00137	4.9624	.49139	.50188	.49639	.49660	2.4488
#2	.48949	.52350	.96921	.49585	.49865	.49475	.00162	4.9890	.49300	.50328	.49754	.50044	2.4690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.539**	**.98744**	**19.448**	**.49720**	**.50009**	F **5.6755**	**.50339**	**.96626**	**1.0056**	**-.00154**	**.99839**	**.96379**	**4.8567**
Stddev	.240	.00430	.030	.00049	.00182	.0498	.00234	.00395	.0063	.00016	.00038	.00164	.0284
%RSD	.48476	.43517	.15532	.09847	.36365	.87657	.46542	.40833	.63076	10.400	.03782	.16989	.58517
#1	49.369	.98440	19.427	.49685	.49880	5.7106	.50173	.96347	1.0011	-.00142	.99812	.96263	4.8366
#2	49.708	.99048	19.470	.49754	.50137	5.6403	.50505	.96905	1.0101	-.00165	.99866	.96495	4.8768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.393**	**.99024**	**.49603**	**-.00341**	**.49875**	**1.0104**	**.02218**	**.49806**	**.48840**	**.49523**
Stddev	.061	.00340	.00153	.00067	.00026	.0084	.01502	.00227	.00047	.00182
%RSD	.58517	.34319	.30906	19.534	.05222	.82838	67.712	.45649	.09628	.36781
#1	10.350	.98784	.49494	-.00388	.49856	1.0045	.03280	.49646	.48807	.49394
#2	10.436	.99265	.49711	-.00294	.49893	1.0164	.01156	.49967	.48873	.49652
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8144.8**	**102480.**	**8666.2**
Stddev	61.6	245.	28.0
%RSD	.75664	.23901	.32361
#1	8188.4	102300.	8686.0
#2	8101.3	102650.	8646.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:23:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50459**	**.51362**	**1.0066**	**.51221**	**.50484**	**.50335**	**-.00030**	**5.0816**	**.50888**	**.51165**	**.50781**	**.51150**	**2.4917**
Stddev	.00067	.00089	.0039	.00225	.00032	.00112	.00057	.0081	.00204	.00137	.00106	.00139	.0060
%RSD	.13216	.17279	.39071	.43884	.06262	.22269	191.83	.15869	.40090	.26789	.20788	.27176	.24267
#1	.50506	.51299	1.0038	.51062	.50462	.50414	-.00070	5.0873	.50744	.51068	.50707	.51249	2.4960
#2	.50412	.51425	1.0093	.51380	.50507	.50255	.00011	5.0759	.51033	.51262	.50856	.51052	2.4875
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.620**	**1.0016**	**19.950**	**.50449**	**.50626**	**5.1922**	**.51399**	**1.0067**	**1.0318**	**-.00319**	**1.0417**	**1.0100**	**4.9653**
Stddev	.082	.0001	.030	.00116	.00194	.0077	.00222	.0059	.0046	.00114	.0086	.0060	.0017
%RSD	.16117	.01051	.15015	.22953	.38379	.14801	.43278	.59036	.44949	35.710	.82198	.59189	.03503
#1	50.678	1.0015	19.971	.50530	.50489	5.1976	.51242	1.0025	1.0285	-.00399	1.0357	1.0058	4.9641
#2	50.562	1.0017	19.929	.50367	.50763	5.1867	.51557	1.0109	1.0351	-.00238	1.0478	1.0142	4.9666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.626**	**1.0176**	**.50435**	**-.00523**	**.50403**	**1.0393**	**-.00563**	**.50615**	**.50091**	**.50128**
Stddev	.004	.0056	.00060	.00090	.00015	.0038	.01415	.00163	.00111	.00090
%RSD	.03503	.55050	.11974	17.271	.03051	.36233	251.10	.32159	.22242	.17953
#1	10.623	1.0137	.50477	-.00459	.50392	1.0366	-.01564	.50500	.50012	.50192
#2	10.628	1.0216	.50392	-.00586	.50414	1.0419	.00437	.50730	.50170	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8128.1**	**103200.**	**8568.4**
Stddev	2.2	234.	148.0
%RSD	.02705	.22705	1.7274
#1	8126.5	103040.	8463.7
#2	8129.7	103370.	8673.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:28:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50357**	**.51429**	**1.0062**	**.51272**	**.50649**	**.50414**	**.00138**	**5.0873**	**.50896**	**.51163**	**.50961**	**.51125**	**2.4877**
Stddev	.00003	.00087	.0022	.00112	.00166	.00345	.00409	.0265	.00058	.00029	.00013	.00091	.0202
%RSD	.00502	.16863	.21368	.21940	.32679	.68430	296.39	.52098	.11307	.05723	.02470	.17784	.81123
#1	.50355	.51367	1.0047	.51193	.50766	.50658	-.00151	5.1060	.50856	.51143	.50970	.51061	2.5019
#2	.50358	.51490	1.0077	.51352	.50532	.50170	.00427	5.0685	.50937	.51184	.50953	.51189	2.4734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.662**	**1.0070**	**20.003**	**.50376**	**.50921**	**5.1786**	**.51694**	**1.0080**	**1.0356**	**-.00586**	**1.0440**	**1.0119**	**4.9762**
Stddev	.340	.0038	.028	.00021	.00125	.0195	.00089	.0070	.0023	.00249	.0048	.0011	.0516
%RSD	.67158	.37983	.14239	.04079	.24499	.37719	.17130	.69385	.21804	42.483	.46290	.11048	1.0371
#1	50.903	1.0097	19.983	.50361	.50833	5.1924	.51631	1.0031	1.0340	-.00410	1.0405	1.0111	5.0127
#2	50.422	1.0043	20.023	.50390	.51010	5.1648	.51757	1.0130	1.0372	-.00762	1.0474	1.0127	4.9397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.649**	**1.0228**	**.50557**	**-.00597**	**.50285**	**1.0432**	**.02251**	**.50682**	**.50249**	**.50183**
Stddev	.110	.0018	.00312	.00195	.00012	.0012	.03773	.00021	.00154	.00139
%RSD	1.0371	.17903	.61762	32.706	.02446	.11829	167.58	.04098	.30608	.27706
#1	10.727	1.0215	.50777	-.00459	.50276	1.0424	-.00416	.50667	.50140	.50281
#2	10.571	1.0241	.50336	-.00736	.50294	1.0441	.04919	.50697	.50357	.50084
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8108.5**	**102590.**	**8622.8**
Stddev	12.2	132.	56.4
%RSD	.15088	.12833	.65458
#1	8117.2	102490.	8582.9
#2	8099.9	102680.	8662.7

Sample Name: CCB Acquired: 11/8/2013 16:35:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00045**	**.00117**	W **.00444**	**-.00016**	**.00023**	**-.00144**	**.00271**	**.00017**	**.00011**	**.00019**	**-.00001**
Stddev	.00021	.00022	.00128	.00017	.00025	.00014	.00381	.00560	.00014	.00019	.00024	.00012
%RSD	1295.2	48.310	109.27	3.9317	160.71	62.105	264.89	206.62	81.994	184.81	126.00	2001.4
#1	-.00013	.00029	.00027	.00456	.00002	.00013	-.00413	.00666	.00027	-.00003	.00002	.00008
#2	.00016	.00060	.00207	.00431	-.00033	.00034	.00126	-.00125	.00007	.00024	.00036	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.05851**	**.00205**	**.00428**	**.00005**	**.00031**	**.02833**	**-.00003**	**.00049**	**.00145**	**.00020**	**.00033**
Stddev	.00058	.03421	.00205	.00145	.00002	.00018	.00952	.00010	.00057	.00026	.00044	.00074
%RSD	144.57	58.464	99.797	33.885	44.620	59.057	33.595	332.08	117.46	18.021	222.44	225.15
#1	.00081	.08270	.00350	.00325	.00007	.00018	.03507	-.00010	.00008	.00126	.00051	-.00020
#2	-.00001	.03432	.00060	.00531	.00004	.00043	.02160	.00004	.00089	.00163	-.00011	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**.01346**	**.02880**	**.00026**	**.00010**	**.00135**	**.00026**	**-.00016**	**-.01911**	**-.00028**	**.00318**	**.00111**
Stddev	.00084	.00317	.00679	.00034	.00002	.00323	.00005	.00174	.01233	.00053	.00054	.00039
%RSD	53.097	23.571	23.571	130.50	15.436	238.38	20.815	1074.0	64.513	188.45	16.945	35.220
#1	-.00218	.01121	.02400	.00002	.00011	-.00093	.00022	-.00140	-.01039	.00009	.00357	.00084
#2	-.00099	.01570	.03360	.00051	.00009	.00364	.00030	.00107	-.02783	-.00065	.00280	.00139
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8103.3**	**103800.**	**8538.1**
Stddev	4.5	620.	1.8
%RSD	.05566	.59686	.02050
#1	8100.1	103360.	8539.4
#2	8106.5	104240.	8536.9

Sample Name: CCVL2367586 Acquired: 11/8/2013 16:38:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.10798**	**.01636**	**.10017**	**.01006**	**.00113**	**.12240**	**.21239**	**.00545**	**.01064**	**.01073**	**.01584**	**.10334**	**3.0862**
Stddev	.00091	.00116	.00066	.00004	.00015	.00008	.00004	.00222	.00029	.00050	.00031	.00069	.00065	.0356
%RSD	9.0520	1.0746	4.0344	.03837	1.4678	6.8594	.03471	1.0444	5.3150	4.6683	2.8494	4.3367	.62971	1.1541
#1	.00939	.10716	.01683	.10015	.01017	.00108	.12243	.21082	.00525	.01029	.01051	.01633	.10288	3.0610
#2	.01068	.10880	.01589	.10020	.00996	.00119	.12237	.21395	.00566	.01099	.01094	.01536	.10380	3.1113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01161**	**.20800**	**.01043**	**.02075**	**1.0747**	**.04228**	**2.8873**	**.00985**	**.00220**	**.01166**	**.01612**	**.51522**	**1.1026**	**.10448**
Stddev	.00313	.00462	.00004	.00016	.0195	.00021	.0106	.00168	.00042	.00018	.00063	.00408	.0087	.00035
%RSD	26.971	2.2217	.38232	.79275	1.8185	.50794	.36743	17.012	19.049	1.5525	3.8960	.79264	.79264	.33816
#1	.01383	.20473	.01040	.02064	1.0609	.04212	2.8798	.00866	.00190	.01153	.01568	.51811	1.1088	.10423
#2	.00940	.21127	.01046	.02087	1.0886	.04243	2.8948	.01103	.00249	.01178	.01656	.51233	1.0964	.10473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01036**	**.01527**	**.01010**	**.01682**	**.06118**	**.01015**	**.02480**	**.01553**
Stddev	.00014	.00127	.00050	.00030	.02514	.00001	.00017	.00111
%RSD	1.3177	8.3030	4.9253	1.8092	41.086	.11005	.67929	7.1535
#1	.01026	.01617	.00975	.01703	.07896	.01014	.02492	.01474
#2	.01046	.01437	.01045	.01660	.04341	.01015	.02468	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8222.8**	**105430.**	**8715.4**
Stddev	25.6	32.	46.3
%RSD	.31178	.03001	.53137
#1	8240.9	105450.	8682.7
#2	8204.7	105400.	8748.2

Sample Name: 48670-10 Acquired: 11/8/2013 16:40:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.01554**	**-.00124**	**.00546**	**.00207**	**.00013**	**.00506**	**.52197**	**.00005**	**.00017**
Stddev	.00051	.00014	.00065	.00029	.00021	.00009	.00022	.00559	.00008	.00007
%RSD	91.836	.87345	52.419	5.3617	10.134	70.444	4.3404	1.0715	174.32	39.212
#1	-.00020	.01563	-.00078	.00567	.00192	.00007	.00491	.51801	-.00001	.00022
#2	-.00092	.01544	-.00170	.00526	.00222	.00019	.00522	.52592	.00010	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00781**	**.00424**	**.06421**	**.00105**	**.30492**	**.00148**	**.00025**	**2.2757**	**.00258**
Stddev	.00006	.00006	.00057	.00288	.00135	.00559	.00002	.00037	.0002	.00018
%RSD	15.720	.80236	13.447	4.4892	128.58	1.8338	1.2853	146.57	.00929	7.1601
#1	.00035	.00777	.00465	.06217	.00201	.30887	.00147	-.00001	2.2758	.00245
#2	.00044	.00786	.00384	.06624	.00010	.30096	.00149	.00051	2.2755	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03257**	**.00064**	**1.6797**	**-.00285**	**.00040**	**.03954**	**.08462**	**-.00021**	**.01028**	**-.00004**
Stddev	.00068	.00005	.0077	.00094	.00010	.00845	.01807	.00012	.00015	.00030
%RSD	2.0851	7.1801	.46139	32.802	26.507	21.356	21.356	59.584	1.4991	760.25
#1	.03305	.00061	1.6742	-.00219	.00047	.04552	.09740	-.00012	.01017	-.00025
#2	.03209	.00067	1.6852	-.00351	.00032	.03357	.07184	-.00029	.01039	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00205**	**.00391**	**-.00036**	**.00466**	**-.00059**
Stddev	.00032	.00063	.01544	.00003	.00023	.00061
%RSD	146.70	30.739	394.70	8.1479	5.0136	103.31
#1	.00044	.00250	.01483	-.00038	.00449	-.00103
#2	-.00001	.00161	-.00701	-.00034	.00482	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8439.1**	**108280.**	**8786.5**
Stddev	2.5	490.	7.1
%RSD	.02952	.45280	.08046
#1	8437.3	108630.	8791.5
#2	8440.9	107940.	8781.5

Sample Name: 48776-6 Acquired: 11/8/2013 16:42:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00239**	**-.00104**	**.11280**	**-.00009**	**.00015**	**.00560**	**.00570**	**.00007**	**.00022**
Stddev	.00010	.00029	.00298	.00011	.00012	.00001	.00180	.00168	.00009	.00019
%RSD	715.93	12.007	286.89	.09841	132.22	8.3636	32.044	29.405	119.47	83.631
#1	-.00009	.00259	.00107	.11273	-.00001	.00014	.00433	.00689	.00001	.00035
#2	.00006	.00218	-.00314	.11288	-.00018	.00016	.00687	.00452	.00013	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00024**	**.00129**	**.06785**	**.00001**	**.00139**	**.00009**	**.00006**	**6.3326**	**.00067**
Stddev	.00002	.00020	.00035	.01713	.00011	.00161	.00009	.00002	.0234	.00030
%RSD	7.1978	84.216	27.121	25.253	1894.8	115.90	104.07	34.850	.37032	45.096
#1	.00022	.00039	.00153	.05573	.00008	.00025	.00015	.00008	6.3492	.00089
#2	.00025	.00010	.00104	.07997	-.00007	.00252	.00002	.00005	6.3160	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00055**	**.01238**	**-.00073**	**.00109**	**5.0632**	**10.835**	**-.00125**	**.00013**	**-.00158**
Stddev	.00070	.00048	.00224	.00099	.00057	.0178	.038	.00045	.00005	.00175
%RSD	553.79	87.609	18.095	134.99	52.522	.35228	.35228	35.797	40.614	110.64
#1	-.00037	-.00089	.01079	-.00143	.00068	5.0758	10.862	-.00093	.00017	-.00282
#2	.00062	-.00021	.01396	-.00003	.00149	5.0506	10.808	-.00156	.00010	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00145**	**.02677**	**-.00048**	**.00111**	**.00031**
Stddev	.00017	.00083	.05529	.00033	.00004	.00050
%RSD	73.051	57.290	206.53	68.687	3.2277	160.38
#1	.00011	.00203	.06586	-.00025	.00113	-.00004
#2	.00035	.00086	-.01232	-.00072	.00108	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.1**	**106090.**	**8815.0**
Stddev	8.8	606.	68.4
%RSD	.10460	.57086	.77614
#1	8379.9	106520.	8863.4
#2	8392.3	105660.	8766.6

Sample Name: mb 280-198991/1-a Acquired: 11/8/2013 16:45:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00432**	**.00218**	**.00361**	**.00012**	**.00008**	**-.00029**	**.00702**	**.00015**	**-.00006**
Stddev	.00036	.00014	.00116	.00048	.00024	.00001	.00046	.00129	.00003	.00021
%RSD	43.307	3.3162	52.881	13.286	203.63	17.187	161.65	18.404	23.366	368.81
#1	-.00108	.00422	.00300	.00395	-.00005	.00007	-.00062	.00611	.00012	.00009
#2	-.00057	.00442	.00137	.00327	.00028	.00009	.00004	.00793	.00017	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**-.00010**	**.01138**	**.01340**	**.00069**	**.00138**	**.00010**	**.00004**	**.03837**	**.00040**
Stddev	.00008	.00016	.00208	.02735	.00120	.00316	.00006	.00005	.02812	.00024
%RSD	30.651	156.57	18.253	204.19	174.55	228.37	60.541	138.98	73.285	59.372
#1	.00021	-.00022	.00991	-.00595	.00153	.00362	.00006	.00000	.01849	.00023
#2	.00033	.00001	.01285	.03274	-.00016	-.00085	.00015	.00008	.05825	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00504**	**.00015**	**.01129**	**.00357**	**.00195**	**.01639**	**.03506**	**.00024**	**.00001**	**-.00127**
Stddev	.00032	.00090	.00243	.00011	.00063	.00269	.00576	.00001	.00005	.00124
%RSD	6.2681	585.70	21.511	2.9667	32.017	16.422	16.422	5.0511	386.30	97.876
#1	.00526	-.00048	.01300	.00349	.00151	.01829	.03914	.00023	.00004	-.00039
#2	.00481	.00079	.00957	.00364	.00240	.01448	.03099	.00025	-.00002	-.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00027**	W **.05192**	**-.00046**	**.00293**	**.00072**
Stddev	.00002	.00068	.00038	.00077	.00009	.00037
%RSD	4.3773	249.85	.72645	165.72	2.9769	51.045
#1	.00036	.00021	.05166	.00008	.00287	.00046
#2	.00034	-.00075	.05219	-.00101	.00299	.00098
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8042.8**	**103670.**	**8489.5**
Stddev	9.8	174.	19.2
%RSD	.12168	.16830	.22582
#1	8035.9	103800.	8476.0
#2	8049.8	103550.	8503.1

Sample Name: lcs 280-198991/2-a Acquired: 11/8/2013 16:47:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04968	1.9767	1.0161	1.0013	2.0844	.05123	2.3130	50.804	.10587	.50698
Stddev	.00040	.0025	.0025	.0010	.0109	.00011	.0023	.251	.00006	.00001
%RSD	.80932	.12821	.24765	.10530	.52089	.21579	.09937	.49498	.05519	.00196
#1	.04996	1.9749	1.0179	1.0006	2.0767	.05115	2.3146	50.626	.10582	.50697
#2	.04940	1.9785	1.0143	1.0021	2.0921	.05131	2.3114	50.982	.10591	.50698
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20815	.26348	1.0107	52.058	1.0310	50.405	.51128	1.0309	54.188	.50806
Stddev	.00033	.00104	.0116	.303	.0039	.050	.00050	.0007	.216	.00006
%RSD	.15862	.39448	1.1463	.58204	.38044	.09997	.09825	.06671	.39941	.01153
#1	.20838	.26274	1.0025	51.843	1.0282	50.370	.51093	1.0314	54.035	.50810
#2	.20791	.26421	1.0189	52.272	1.0338	50.441	.51164	1.0304	54.341	.50802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.199	.50317	-.00896	.50764	2.0053	10.147	21.714	2.0328	1.0374	1.0463
Stddev	.006	.00062	.00161	.00134	.0094	.085	.182	.0053	.0073	.0031
%RSD	.05876	.12387	17.991	.26345	.46724	.83882	.83882	.25956	.70858	.29490
#1	10.204	.50273	-.01010	.50669	1.9986	10.087	21.585	2.0291	1.0322	1.0485
#2	10.195	.50361	-.00782	.50858	2.0119	10.207	21.843	2.0365	1.0426	1.0442
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0341	2.0121	2.2200	.52438	.50255	.51647
Stddev	.0036	.0059	.0107	.00148	.00076	.00455
%RSD	.34950	.29536	.48224	.28158	.15194	.88052
#1	1.0316	2.0079	2.2124	.52333	.50201	.51326
#2	1.0367	2.0164	2.2276	.52542	.50309	.51969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7873.5	99555.	8626.7
Stddev	6.1	477.	20.6
%RSD	.07746	.47897	.23899
#1	7877.8	99892.	8612.1
#2	7869.2	99218.	8641.3

Sample Name: 280-48662-e-1-a Acquired: 11/8/2013 16:49:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**.01988**	**-.00019**	**.00427**	**.00019**	**.00012**	**-.00037**	**.05344**	**.00023**	**-.00006**
Stddev	.00019	.00025	.00056	.00017	.00030	.00005	.00087	.00101	.00005	.00005
%RSD	81.577	1.2763	298.03	3.9290	162.44	44.658	237.20	1.8861	19.242	89.355
#1	-.00037	.01970	.00021	.00439	.00040	.00016	.00025	.05273	.00027	-.00002
#2	-.00010	.02006	-.00058	.00415	-.00003	.00008	-.00098	.05416	.00020	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00005**	**.01379**	**.04598**	**.00064**	**.00848**	**.00068**	**.00084**	**.05628**	**.00029**
Stddev	.00006	.00019	.00154	.03256	.00035	.00049	.00000	.00016	.01405	.00017
%RSD	53.425	406.67	11.137	70.805	54.731	5.7365	.46775	19.541	24.963	58.030
#1	.00007	.00009	.01488	.06900	.00088	.00813	.00067	.00096	.06622	.00017
#2	.00015	-.00018	.01271	.02296	.00039	.00882	.00068	.00072	.04635	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00133**	**-.00005**	**.00764**	**-.00018**	**.00263**	**.04864**	**.10409**	**.00031**	**.00043**	**.00007**
Stddev	.00083	.00029	.00291	.00139	.00220	.01020	.02182	.00003	.00011	.00156
%RSD	62.418	638.88	38.019	778.81	83.649	20.968	20.968	10.261	25.734	2077.3
#1	.00192	-.00025	.00970	.00081	.00418	.04143	.08865	.00029	.00035	-.00103
#2	.00074	.00016	.00559	-.00116	.00107	.05585	.11952	.00033	.00050	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00065**	**.02945**	**.00018**	**.00364**	**.00146**
Stddev	.00011	.00030	.02633	.00008	.00004	.00170
%RSD	25.543	46.343	89.394	47.161	1.1369	116.14
#1	.00051	.00044	.04807	.00023	.00367	.00026
#2	.00036	.00087	.01083	.00012	.00361	.00266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8201.2**	**106220.**	**8719.0**
Stddev	2.8	651.	70.9
%RSD	.03421	.61292	.81340
#1	8199.2	105760.	8668.8
#2	8203.2	106680.	8769.1

Sample Name: 280-48651-b-6-c Acquired: 11/8/2013 16:52:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**7.1018**	**.00192**	**.03023**	**.14381**	**.00065**	**-.00103**	**39.510**	**.00778**	**.01289**
Stddev	.00059	.0178	.00221	.00010	.00125	.00004	.00001	.004	.00015	.00000
%RSD	93.949	.25002	115.20	.34262	.86878	6.4008	.86697	.01139	1.9448	.03171
#1	-.00021	7.0892	.00036	.03016	.14293	.00062	-.00104	39.507	.00767	.01289
#2	-.00105	7.1143	.00349	.03031	.14470	.00068	-.00103	39.513	.00788	.01288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00591**	**.03796**	**3.5843**	**5.4056**	**.03692**	**6.0388**	**.35827**	**.00087**	**5.1818**	**.03670**
Stddev	.00015	.00067	.0200	.0566	.00411	.0276	.00106	.00003	.0110	.00005
%RSD	2.5131	1.7665	.55786	1.0461	11.119	.45713	.29689	3.3297	.21205	.14416
#1	.00581	.03843	3.5702	5.4455	.03983	6.0583	.35902	.00089	5.1896	.03666
#2	.00602	.03749	3.5984	5.3656	.03402	6.0192	.35752	.00085	5.1741	.03674
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5913**	**.01783**	**52.636**	**-.00076**	**.00313**	**8.9800**	**19.217**	**.00093**	**.15404**	**.00086**
Stddev	.0040	.00004	.166	.00187	.00052	.0230	.049	.00018	.00040	.00057
%RSD	.25456	.25151	.31480	247.19	16.588	.25628	.25628	19.330	.25887	66.576
#1	1.5942	.01786	52.753	.00056	.00276	8.9637	19.182	.00080	.15376	.00045
#2	1.5884	.01780	52.519	-.00207	.00349	8.9963	19.252	.00105	.15432	.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08143**	**.00070**	**-.01307**	**.01020**	**4.8757**	**.00263**
Stddev	.00077	.00046	.00451	.00042	.0417	.00074
%RSD	.94022	65.433	34.526	4.1151	.85434	28.221
#1	.08197	.00102	-.01627	.01050	4.9052	.00316
#2	.08088	.00038	-.00988	.00990	4.8463	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8175.1**	**103310.**	**8636.3**
Stddev	18.4	550.	45.6
%RSD	.22497	.53284	.52851
#1	8188.1	102920.	8604.0
#2	8162.1	103700.	8668.6

Sample Name: 280-48651-b-7-c Acquired: 11/8/2013 16:54:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00494**	**.00124**	**.00257**	**.00033**	**.00006**	**.00023**	**.02735**	**.00013**	**.00010**
Stddev	.00015	.00023	.00103	.00032	.00032	.00001	.00084	.00215	.00020	.00011
%RSD	58.832	4.6370	83.297	12.291	97.014	21.153	358.97	7.8712	150.89	109.28
#1	-.00015	.00478	.00197	.00280	.00056	.00007	-.00036	.02887	-.00001	.00018
#2	-.00035	.00510	.00051	.00235	.00010	.00005	.00083	.02583	.00028	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00001**	**.00606**	**.02706**	**-.00140**	**.00518**	**.00020**	**.00011**	**.01715**	**.00035**
Stddev	.00015	.00000	.00316	.03049	.00016	.00066	.00000	.00028	.00103	.00006
%RSD	76.513	13.445	52.121	112.69	11.635	12.648	2.4521	259.42	5.9825	17.572
#1	.00009	-.00001	.00382	.00550	-.00128	.00564	.00020	-.00009	.01787	.00040
#2	.00030	-.00001	.00829	.04862	-.00151	.00472	.00020	.00031	.01642	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.00036**	**.01561**	**-.00033**	**.00147**	**.02580**	**.05520**	**-.00006**	**.00010**	**.00073**
Stddev	.00099	.00032	.00076	.00104	.00400	.00214	.00458	.00053	.00010	.00085
%RSD	112.51	89.521	4.8456	319.62	272.05	8.3022	8.3022	838.50	104.90	116.31
#1	.00158	.00059	.01614	-.00106	-.00136	.02428	.05196	.00031	.00017	.00134
#2	.00018	.00013	.01507	.00041	.00430	.02731	.05844	-.00044	.00003	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00001**	**.05010**	**-.00032**	**.00417**	**-.00003**
Stddev	.00040	.00060	.02958	.00006	.00004	.00092
%RSD	340.54	8182.3	59.051	19.625	1.0478	2661.5
#1	.00040	-.00042	.02918	-.00027	.00421	-.00068
#2	-.00016	.00043	.07101	-.00036	.00414	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8208.1**	**105220.**	**8491.4**
Stddev	17.2	292.	4.9
%RSD	.20995	.27762	.05723
#1	8220.3	105430.	8488.0
#2	8195.9	105020.	8494.9

Sample Name: CCVH-2357613 Acquired: 11/8/2013 16:56:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**50.053**	**.00240**	**.00594**	**.00050**	**.00015**	**.98828**	**.01412**	**-.00015**	**-.00067**	**-.00009**	**.00693**	**49.081**
Stddev	.00001	.128	.00124	.00051	.00016	.00008	.00167	.00673	.00018	.00005	.00020	.00014	.059
%RSD	.40005	.25651	51.560	8.5966	32.261	52.129	.16870	47.688	122.11	7.5953	208.09	1.9483	.11968
#1	.00295	49.962	.00153	.00630	.00061	.00009	.98710	.01888	-.00002	-.00070	-.00023	.00702	49.123
#2	.00297	50.144	.00328	.00558	.00039	.00020	.98946	.00936	-.00028	-.00063	.00004	.00683	49.040
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02849**	**.00192**	**.07639**	**.00034**	**-.00002**	**250.39**	**.00014**	**.00102**	**.00127**	**4.9306**	**.00196**	**-.00449**	**.02498**
Stddev	.04209	.00046	.00677	.00010	.00033	.23	.00006	.00014	.00117	.0078	.00065	.00072	.00595
%RSD	147.73	23.901	8.8669	29.672	2126.7	.08999	45.706	13.558	92.793	.15878	33.157	16.024	23.813
#1	-.05825	.00225	.08118	.00041	-.00025	250.55	.00009	.00093	.00210	4.9251	.00150	-.00500	.02919
#2	.00127	.00160	.07160	.00027	.00022	250.23	.00018	.00112	.00044	4.9362	.00242	-.00398	.02078
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05346**	**-.00032**	**.00046**	**4.8374**	**-.00554**	**.00083**	**10.103**	**.00065**	**.00194**	**.01736**
Stddev	.01273	.00022	.00015	.0331	.00003	.00212	.115	.00016	.00007	.00486
%RSD	23.813	67.978	31.982	.68493	.56580	256.80	1.1390	24.753	3.6161	27.991
#1	.06246	-.00047	.00056	4.8608	-.00556	-.00067	10.184	.00076	.00199	.01392
#2	.04446	-.00017	.00035	4.8140	-.00552	.00233	10.021	.00053	.00189	.02079
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7876.9**	**97538.**	**8376.5**
Stddev	6.7	162.	27.5
%RSD	.08559	.16637	.32847
#1	7881.7	97423.	8395.9
#2	7872.2	97653.	8357.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 16:58:59 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49458**	**.51953**	**.98315**	**.49723**	**.50284**	**.49801**	**-.00003**	**5.0215**	**.49864**	**.50519**	**.49944**	**.50346**	**2.4524**
Stddev	.00075	.00458	.00087	.00234	.00087	.00150	.00215	.0085	.00103	.00030	.00020	.00211	.0000
%RSD	.15130	.88143	.08873	.47020	.17317	.30182	7775.9	.17013	.20646	.05841	.04093	.41906	.00169
#1	.49405	.52277	.98253	.49557	.50346	.49907	-.00154	5.0275	.49791	.50498	.49959	.50197	2.4525
#2	.49511	.51629	.98377	.49888	.50223	.49695	.00149	5.0154	.49936	.50540	.49930	.50495	2.4524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.435**	**.99716**	**19.673**	**.49921**	**.50165**	**5.1930**	**.50548**	**.98307**	**1.0202**	**.00083**	**1.0031**	**.97968**	**4.9077**
Stddev	.015	.00431	.062	.00158	.00047	.0002	.00066	.00024	.0015	.00450	.0028	.00081	.0049
%RSD	.02993	.43241	.31376	.31656	.09367	.00444	.13133	.02461	.14337	545.18	.28055	.08255	.10020
#1	50.445	1.0002	19.630	.49809	.50131	5.1931	.50501	.98324	1.0212	.00401	1.0051	.98025	4.9042
#2	50.424	.99411	19.717	.50033	.50198	5.1928	.50595	.98290	1.0192	-.00236	1.0012	.97910	4.9112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.502**	**1.0021**	**.50017**	**-.00429**	**.49991**	**1.0259**	**.01869**	**.50054**	**.49775**	**.49696**
Stddev	.011	.0029	.00049	.00074	.00166	.0010	.03262	.00189	.00272	.00084
%RSD	.10020	.29359	.09772	17.330	.33237	.09894	174.53	.37810	.54724	.16925
#1	10.495	1.0041	.50052	-.00377	.49874	1.0266	.04176	.49921	.49583	.49636
#2	10.510	.99999	.49983	-.00482	.50109	1.0252	-.00438	.50188	.49968	.49755
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.9**	**101440.**	**8472.7**
Stddev	6.1	670.	63.4
%RSD	.07578	.66075	.74875
#1	8068.2	101910.	8427.8
#2	8059.6	100960.	8517.6

Sample Name: CCB Acquired: 11/8/2013 17:01:07 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00272**	**-.00020**	**.00295**	**.00028**	**.00018**	**-.00039**	**.00366**	**.00015**	**-.00002**	**.00005**	**.00000**	**.00550**
Stddev	.00055	.00029	.00066	.00001	.00004	.00001	.00111	.00330	.00006	.00018	.00002	.00041	.00078
%RSD	254.49	10.600	322.25	.19790	12.707	7.6343	282.21	90.196	38.608	985.43	36.286	30084.	14.139
#1	.00017	.00292	-.00067	.00294	.00026	.00017	.00039	.00133	.00011	-.00015	.00003	.00029	.00495
#2	-.00061	.00251	.00026	.00295	.00031	.00019	-.00118	.00600	.00019	.00011	.00006	-.00029	.00605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03747**	**.00124**	**.00313**	**.00001**	**.00042**	**.04195**	**-.00001**	**-.00016**	**.00038**	**.00215**	F **.00818**	**.00142**	**.00243**
Stddev	.02683	.00044	.00016	.00007	.00019	.00865	.00033	.00194	.00042	.00008	.00037	.00028	.01486
%RSD	71.598	35.840	5.1074	827.72	44.257	20.615	2565.3	1185.2	112.21	3.8903	4.4618	19.504	611.10
#1	.05644	.00156	.00325	-.00004	.00029	.04806	-.00025	.00121	.00067	.00209	.00844	.00161	.01294
#2	.01850	.00093	.00302	.00006	.00056	.03583	.00022	-.00153	.00008	.00221	.00793	.00122	-.00807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00520**	**.00012**	**.00005**	**.00032**	**.00041**	**.00010**	**.00219**	**.00019**	**.00362**	**.00050**
Stddev	.03180	.00009	.00002	.00109	.00002	.00025	.00605	.00062	.00002	.00090
%RSD	611.10	77.910	32.316	344.68	3.9858	259.52	275.65	320.30	.55005	181.19
#1	.02769	.00018	.00007	-.00045	.00040	.00027	.00647	.00063	.00361	-.00014
#2	-.01728	.00005	.00004	.00109	.00042	-.00008	-.00208	-.00025	.00364	.00113
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8010.7**	**102390.**	**8314.0**
Stddev	30.2	467.	15.9
%RSD	.37648	.45562	.19150
#1	7989.4	102720.	8325.2
#2	8032.1	102060.	8302.7

Sample Name: CCVL-2367586 Acquired: 11/8/2013 17:03:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00971**	**.10908**	**.01824**	**.09815**	**.01014**	**.00113**	**.12118**	**.21047**	**.00532**	**.01056**	**.01066**	**.01554**	**.10457**
Stddev	.00026	.00049	.00063	.00022	.00004	.00009	.00071	.00419	.00020	.00003	.00011	.00003	.00099
%RSD	2.7002	.45181	3.4466	.22853	.41885	7.6068	.58498	1.9924	3.6923	.32509	.98924	.17764	.95004
#1	.00953	.10943	.01869	.09799	.01011	.00107	.12168	.20751	.00546	.01058	.01059	.01553	.10527
#2	.00990	.10873	.01780	.09831	.01017	.00119	.12068	.21344	.00518	.01053	.01074	.01556	.10387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0738**	**.00839**	**.20841**	**.01040**	**.02004**	**1.0821**	**.04214**	**2.8621**	**.00991**	**.00483**	**.01201**	**.01668**	**.48903**
Stddev	.1045	.00019	.00069	.00016	.00032	.0119	.00030	.0053	.00149	.00023	.00103	.00027	.00251
%RSD	3.4008	2.2404	.32972	1.5033	1.5797	1.0960	.72351	.18606	15.053	4.8200	8.5677	1.6151	.51291
#1	3.1477	.00852	.20890	.01029	.01981	1.0905	.04193	2.8583	.01097	.00499	.01128	.01688	.48725
#2	2.9999	.00825	.20793	.01051	.02026	1.0737	.04236	2.8659	.00886	.00466	.01273	.01649	.49080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0465**	**.10274**	**.01029**	**.01362**	**.01032**	**.01626**	F **.08033**	**.01010**	F **.02628**	**.01739**
Stddev	.0054	.00095	.00002	.00011	.00050	.00218	.00527	.00033	.00011	.00006
%RSD	.51291	.92543	.20629	.81108	4.8879	13.437	6.5635	3.3115	.43735	.36840
#1	1.0427	.10206	.01028	.01370	.00996	.01471	.08406	.01034	.02620	.01735
#2	1.0503	.10341	.01031	.01355	.01068	.01780	.07661	.00987	.02636	.01744
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.4**	**103580.**	**8454.6**
Stddev	1.1	50.	1.8
%RSD	.01375	.04805	.02071
#1	8140.2	103620.	8455.8
#2	8138.6	103550.	8453.4

Sample Name: 280-48662-e-4-a Acquired: 11/8/2013 17:05:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.02057**	**.00170**	**.50693**	**.01240**	**.00010**	**.00007**	**77.354**	**.00040**	**-.00047**
Stddev	.00028	.00008	.00227	.00094	.00021	.00005	.00277	.278	.00012	.00010
%RSD	407.75	.40950	133.49	.18506	1.6625	47.553	3813.9	.35923	29.737	21.038
#1	-.00026	.02051	.00331	.50760	.01225	.00013	.00203	77.157	.00049	-.00054
#2	.00013	.02063	.00010	.50627	.01255	.00007	-.00188	77.550	.00032	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00186**	**.01494**	**1.1826**	**.10555**	**15.703**	**.00603**	**.00520**	W **536.79**	**.00026**
Stddev	.00032	.00081	.00117	.0308	.00221	.077	.00007	.00022	2.43	.00034
%RSD	55.818	43.460	7.8422	2.6039	2.0929	.49185	1.1530	4.3133	.45219	128.71
#1	.00080	.00244	.01576	1.1608	.10711	15.649	.00598	.00504	535.08	.00050
#2	.00035	.00129	.01411	1.2044	.10399	15.758	.00608	.00536	538.51	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04072**	**.00012**	F **253.87**	**.00120**	**.01012**	**3.7027**	**7.9237**	**-.00026**	**4.7193**	**-.00159**
Stddev	.00046	.00186	.09	.00209	.00088	.0123	.0264	.00107	.0007	.00215
%RSD	1.1328	1553.4	.03381	175.15	8.7408	.33311	.33311	406.19	.01488	135.35
#1	.04105	-.00120	253.93	-.00029	.00949	3.7114	7.9424	-.00102	4.7188	-.00007
#2	.04039	.00144	253.81	.00268	.01075	3.6939	7.9050	.00049	4.7198	-.00310
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00042**	**.03216**	**.00720**	**.01611**	**.00194**
Stddev	.00010	.00043	.01407	.00049	.00060	.00099
%RSD	31.390	102.84	43.746	6.7492	3.7102	50.827
#1	.00025	.00072	.02221	.00685	.01653	.00124
#2	.00040	.00011	.04211	.00754	.01569	.00264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7484.0**	**92879.**	**8436.2**
Stddev	12.2	788.	102.0
%RSD	.16340	.84856	1.2093
#1	7492.7	93436.	8508.4
#2	7475.4	92322.	8364.1

Sample Name: 280-48662-e-4-aSD@5 Acquired: 11/8/2013 17:08:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.01270**	**.00442**	**.10498**	**.00255**	**.00009**	**-.00157**	**15.544**	**.00015**	**-.00013**
Stddev	.00015	.00035	.00152	.00087	.00010	.00002	.00389	.037	.00002	.00012
%RSD	435.26	2.7359	34.380	.82927	4.0782	26.334	247.97	.23877	15.805	96.580
#1	.00007	.01295	.00334	.10560	.00262	.00007	.00118	15.518	.00016	-.00004
#2	-.00014	.01245	.00549	.10437	.00247	.00011	-.00432	15.570	.00013	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00019**	**.02087**	**.33058**	**.02051**	**3.1914**	**.00140**	**.00127**	**107.49**	**.00025**
Stddev	.00001	.00005	.00159	.01912	.00020	.0102	.00001	.00028	.08	.00071
%RSD	8.0023	24.014	7.6134	5.7833	.96095	.31902	.98390	21.817	.07417	283.03
#1	.00017	.00022	.02199	.34409	.02065	3.1842	.00139	.00147	107.55	.00076
#2	.00019	.00016	.01975	.31706	.02037	3.1986	.00141	.00108	107.44	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00870**	**.00077**	**49.466**	**.00046**	**.00329**	**.74096**	**1.5857**	**.00153**	**.94658**	**-.00042**
Stddev	.00147	.00006	.072	.00156	.00561	.01503	.0322	.00006	.00187	.00141
%RSD	16.854	7.7063	.14629	338.15	170.41	2.0279	2.0279	3.7529	.19707	335.69
#1	.00766	.00081	49.517	-.00064	-.00068	.73034	1.5629	.00149	.94526	-.00142
#2	.00974	.00073	49.414	.00156	.00726	.75159	1.6084	.00157	.94790	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00160**	**.00019**	**.00155**	**.00939**	**-.00251**
Stddev	.00015	.00025	.01006	.00053	.00055	.00138
%RSD	63.790	15.864	5192.1	34.131	5.8509	55.004
#1	.00013	.00142	.00731	.00118	.00978	-.00154
#2	.00034	.00178	-.00692	.00193	.00900	-.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7781.2**	**97554.**	**8192.7**
Stddev	21.9	369.	50.8
%RSD	.28124	.37789	.62061
#1	7796.7	97815.	8228.7
#2	7765.7	97294.	8156.8

Sample Name: 280-48662-e-4-b ms Acquired: 11/8/2013 17:10:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05038**	**1.9446**	**1.0322**	**1.4629**	**2.0941**	**.05132**	F **2.2218**	**128.15**	**.10528**	**.49961**
Stddev	.00043	.0024	.0024	.0055	.0088	.00017	.0054	.45	.00023	.00063
%RSD	.84468	.12063	.23566	.37724	.42036	.33675	.24391	.34787	.21869	.12649
#1	.05008	1.9463	1.0339	1.4590	2.0878	.05119	2.2180	127.83	.10512	.50006
#2	.05068	1.9429	1.0304	1.4668	2.1003	.05144	2.2256	128.46	.10544	.49917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20358**	**.25873**	**1.0356**	**55.371**	**1.1447**	**64.899**	**.51566**	**1.0312**	W **592.15**	**.49962**
Stddev	.00009	.00029	.0062	.121	.0029	.015	.00104	.0005	3.16	.00130
%RSD	.04568	.11109	.59689	.21938	.25147	.02242	.20220	.05225	.53280	.25940
#1	.20365	.25852	1.0313	55.285	1.1427	64.888	.51493	1.0308	589.92	.49870
#2	.20351	.25893	1.0400	55.456	1.1468	64.909	.51640	1.0316	594.38	.50053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.600**	**.48032**	F **253.24**	**.49707**	**2.0026**	**14.073**	**30.117**	**1.9755**	W **5.7787**	**1.0434**
Stddev	.028	.00129	.32	.00223	.0079	.075	.160	.0056	.0109	.0064
%RSD	.26476	.26946	.12729	.44908	.39538	.53245	.53245	.28143	.18850	.61122
#1	10.580	.47941	253.01	.49549	1.9970	14.020	30.003	1.9715	5.7864	1.0389
#2	10.620	.48124	253.47	.49865	2.0082	14.126	30.230	1.9794	5.7710	1.0479
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0445**	**1.8087**	**2.2213**	**.53824**	**.53107**	**.52195**
Stddev	.0012	.0060	.0430	.00145	.00185	.00691
%RSD	.11261	.33195	1.9382	.26968	.34917	1.3233
#1	1.0436	1.8044	2.2518	.53721	.52976	.51706
#2	1.0453	1.8129	2.1909	.53926	.53238	.52683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7349.6**	**90924.**	**8091.2**
Stddev	20.3	206.	21.9
%RSD	.27581	.22687	.27049
#1	7335.2	91070.	8106.7
#2	7363.9	90778.	8075.7

Sample Name: 280-48662-e-4-c msd Acquired: 11/8/2013 17:12:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04905**	**1.9238**	**1.0247**	**1.4601**	**2.0588**	**.05050**	F **2.1952**	**127.13**	**.10449**	**.49446**
Stddev	.00002	.0008	.0060	.0003	.0000	.00033	.0051	.33	.00030	.00032
%RSD	.03506	.04035	.58819	.01999	.00155	.66020	.23107	.26082	.28989	.06510
#1	.04907	1.9233	1.0205	1.4599	2.0588	.05027	2.1988	126.90	.10428	.49469
#2	.04904	1.9244	1.0290	1.4603	2.0588	.05074	2.1917	127.37	.10470	.49424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20168**	**.25727**	**1.0016**	**54.691**	**1.1288**	**64.666**	**.51063**	**1.0256**	W **590.84**	**.49444**
Stddev	.00017	.00157	.0034	.206	.0008	.228	.00127	.0011	.20	.00025
%RSD	.08671	.61028	.33500	.37750	.07433	.35243	.24965	.10679	.03395	.04998
#1	.20180	.25838	.99918	54.545	1.1293	64.828	.51154	1.0263	590.98	.49461
#2	.20156	.25616	1.0039	54.837	1.1282	64.505	.50973	1.0248	590.70	.49426
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.505**	**.47568**	F **254.05**	**.49671**	**1.9866**	**13.905**	**29.757**	**1.9691**	W **5.8068**	**1.0372**
Stddev	.006	.00021	.36	.00057	.0032	.174	.372	.0002	.0588	.0077
%RSD	.05704	.04437	.14118	.11431	.16313	1.2498	1.2498	.00881	1.0127	.73807
#1	10.509	.47583	254.31	.49711	1.9889	13.782	29.494	1.9693	5.7652	1.0426
#2	10.501	.47553	253.80	.49631	1.9843	14.028	30.020	1.9690	5.8484	1.0318
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0397**	**1.7948**	**2.1807**	**.53429**	**.52570**	**.51520**
Stddev	.0013	.0042	.0546	.00149	.00044	.00169
%RSD	.12112	.23502	2.5022	.27929	.08352	.32897
#1	1.0406	1.7978	2.2192	.53535	.52539	.51400
#2	1.0388	1.7918	2.1421	.53324	.52601	.51640
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7323.5**	**90589.**	**8076.9**
Stddev	20.6	575.	42.3
%RSD	.28071	.63444	.52324
#1	7338.0	90182.	8047.0
#2	7309.0	90995.	8106.8

Sample Name: 280-48662-e-4-aPDS Acquired: 11/8/2013 17:15:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05087**	**.98909**	**.20636**	**.59298**	**.11425**	**.05085**	**-.00482**	**96.050**	**.05123**	**.04963**
Stddev	.00051	.00079	.00400	.00173	.00002	.00045	.00164	.144	.00013	.00044
%RSD	1.0069	.07962	1.9368	.29191	.01399	.89035	34.048	.14955	.24616	.88169
#1	.05051	.98853	.20919	.59176	.11426	.05053	-.00366	95.949	.05132	.04932
#2	.05124	.98965	.20354	.59421	.11424	.05117	-.00599	96.152	.05114	.04994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05079**	**.05340**	**.99963**	**22.798**	**.20427**	**34.890**	**.05697**	**.05709**	W **547.59**	**.05011**
Stddev	.00029	.00053	.00047	.081	.00152	.006	.00003	.00063	1.39	.00018
%RSD	.56114	1.0002	.04661	.35310	.74640	.01680	.04785	1.0951	.25442	.36637
#1	.05059	.05378	.99996	22.741	.20319	34.886	.05695	.05665	546.61	.04998
#2	.05100	.05303	.99930	22.855	.20534	34.894	.05699	.05754	548.58	.05024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1707**	**.09518**	F **247.69**	**.10022**	**.20452**	**8.7565**	**18.739**	**.09802**	**4.7065**	**.20835**
Stddev	.0030	.00047	.09	.00336	.00326	.0337	.072	.00038	.0067	.00093
%RSD	.13728	.49401	.03472	3.3549	1.5939	.38528	.38528	.39016	.14198	.44752
#1	2.1686	.09552	247.63	.09785	.20222	8.7327	18.688	.09775	4.7017	.20901
#2	2.1729	.09485	247.75	.10260	.20683	8.7804	18.790	.09830	4.7112	.20769
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05253**	**.18239**	**.56258**	**.06074**	**.22644**	**.05001**
Stddev	.00010	.00085	.02276	.00018	.00060	.00184
%RSD	.19016	.46706	4.0455	.29244	.26382	3.6845
#1	.05246	.18178	.57868	.06086	.22602	.04870
#2	.05261	.18299	.54649	.06061	.22687	.05131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7446.6**	**91013.**	**8094.6**
Stddev	2.3	173.	56.0
%RSD	.03055	.18993	.69194
#1	7448.2	91135.	8055.0
#2	7444.9	90890.	8134.2

Sample Name: 280-48662-e-4-a@5 Acquired: 11/8/2013 17:17:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.01683**	**.00204**	**.10776**	**.00333**	**.00005**	**.00156**	**15.711**	**.00004**	**-.00002**
Stddev	.00016	.00020	.00281	.00095	.00033	.00003	.00315	.135	.00008	.00026
%RSD	42.430	1.2020	137.48	.88566	9.8675	49.956	202.09	.86121	200.93	1077.8
#1	-.00026	.01668	.00402	.10844	.00356	.00004	-.00067	15.806	.00010	-.00021
#2	-.00048	.01697	.00006	.10709	.00309	.00007	.00379	15.615	-.00002	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00072**	**.02287**	**.46658**	**.02138**	**3.2496**	**.00145**	**.00112**	**108.71**	**.00021**
Stddev	.00002	.00017	.00446	.03722	.00131	.0111	.00001	.00024	.37	.00022
%RSD	6.7182	23.306	19.488	7.9764	6.1182	.34182	.62911	21.247	.34315	104.43
#1	.00025	.00060	.01972	.49290	.02231	3.2575	.00145	.00095	108.98	.00036
#2	.00027	.00084	.02602	.44027	.02046	3.2418	.00144	.00128	108.45	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00777**	**.00006**	**49.830**	**-.00098**	**-.00187**	**.74908**	**1.6030**	**.00177**	**.95445**	**-.00013**
Stddev	.00152	.00058	.021	.00015	.00049	.01152	.0247	.00032	.00644	.00015
%RSD	19.562	995.81	.04156	15.211	26.187	1.5384	1.5384	18.296	.67516	113.58
#1	.00670	-.00035	49.816	-.00108	-.00152	.75723	1.6205	.00154	.95900	-.00024
#2	.00885	.00047	49.845	-.00087	-.00222	.74093	1.5856	.00200	.94989	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00098**	**-.00026**	**.00118**	**.00869**	**.00062**
Stddev	.00041	.00094	.02766	.00006	.00031	.00047
%RSD	277.30	95.204	10575.	5.3350	3.5684	75.316
#1	.00044	.00032	-.01982	.00114	.00891	.00029
#2	-.00014	.00165	.01929	.00123	.00847	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7741.5**	**96830.**	**8119.5**
Stddev	7.0	117.	57.5
%RSD	.09015	.12058	.70869
#1	7746.4	96747.	8078.8
#2	7736.5	96912.	8160.2

Sample Name: 48662-e-4-aSD@25 Acquired: 11/8/2013 17:19:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01997**	**.00106**	**.02440**	**.00089**	**.00011**	**.00144**	**3.1743**	**.00014**	**.00012**
Stddev	.00013	.00024	.00076	.00091	.00056	.00003	.00041	.0133	.00012	.00006
%RSD	33.397	1.2220	71.359	3.7145	62.976	27.408	28.124	.41790	86.601	51.289
#1	-.00030	.02014	.00053	.02504	.00049	.00013	.00173	3.1649	.00022	.00008
#2	-.00048	.01980	.00160	.02376	.00128	.00009	.00115	3.1836	.00005	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00009**	**.02350**	**.19767**	**.00295**	**.66375**	**.00047**	**.00045**	**22.049**	**.00014**
Stddev	.00012	.00004	.00084	.03231	.00097	.00104	.00004	.00009	.011	.00017
%RSD	47.439	44.203	3.5701	16.344	32.849	.15695	8.2804	20.373	.05083	124.93
#1	.00016	.00012	.02410	.17483	.00226	.66301	.00049	.00051	22.057	.00026
#2	.00033	.00006	.02291	.22051	.00363	.66448	.00044	.00038	22.041	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00152**	**.00107**	**9.7699**	**.00001**	**.00401**	**.14893**	**.31871**	**.00270**	**.18992**	**-.00038**
Stddev	.00033	.00074	.1072	.00168	.00007	.00009	.00018	.00002	.00020	.00100
%RSD	21.482	69.812	1.0977	12710.	1.7818	.05768	.05768	.66133	.10496	266.45
#1	.00129	.00159	9.8458	-.00117	.00406	.14887	.31858	.00269	.18978	-.00108
#2	.00175	.00054	9.6941	.00120	.00396	.14899	.31884	.00272	.19007	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00030**	**-.00820**	**.00011**	**.01343**	**-.00015**
Stddev	.00005	.00011	.05450	.00020	.00033	.00255
%RSD	26.098	36.522	664.36	189.75	2.4478	1661.7
#1	-.00023	.00022	.03033	-.00004	.01366	-.00196
#2	-.00016	.00038	-.04674	.00025	.01320	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7871.0**	**99418.**	**8136.7**
Stddev	8.5	266.	31.7
%RSD	.10771	.26785	.38992
#1	7865.0	99230.	8114.3
#2	7877.0	99606.	8159.1

Sample Name: 48662-e-4-b ms@5 Acquired: 11/8/2013 17:22:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00961**	**.43621**	**.20039**	**.30118**	**.41412**	**.01029**	F **.45410**	**25.634**	**.02099**	**.10254**
Stddev	.00031	.00061	.00219	.00006	.00128	.00021	.00130	.176	.00016	.00028
%RSD	3.2401	.14034	1.0904	.02049	.30932	2.0733	.28556	.68772	.74538	.27005
#1	.00983	.43577	.20194	.30123	.41321	.01014	.45501	25.510	.02088	.10274
#2	.00939	.43664	.19885	.30114	.41502	.01044	.45318	25.759	.02110	.10235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04104**	**.05202**	**.22710**	**10.830**	**.22420**	**13.067**	**.10362**	**.20722**	**117.47**	**.10214**
Stddev	.00009	.00012	.00084	.143	.00268	.002	.00006	.00090	.61	.00079
%RSD	.22866	.22120	.37135	1.3202	1.1953	.01425	.05514	.43612	.51530	.77248
#1	.04111	.05194	.22650	10.729	.22231	13.068	.10366	.20786	117.04	.10270
#2	.04098	.05210	.22770	10.931	.22610	13.065	.10358	.20658	117.89	.10159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0660**	**.10077**	**49.173**	**.10117**	**.39192**	**2.7446**	**5.8735**	**.40587**	**1.1490**	**.20641**
Stddev	.0098	.00136	.046	.00068	.00124	.0160	.0342	.00297	.0050	.00235
%RSD	.47310	1.3477	.09423	.66945	.31633	.58267	.58267	.73138	.43622	1.1362
#1	2.0729	.10173	49.140	.10069	.39280	2.7333	5.8493	.40797	1.1455	.20806
#2	2.0591	.09981	49.206	.10165	.39104	2.7559	5.8977	.40377	1.1526	.20475
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20652**	**.39409**	**.42176**	**.10656**	**.11253**	**.10196**
Stddev	.00077	.00078	.00096	.00044	.00023	.00254
%RSD	.37505	.19691	.22734	.41325	.20139	2.4889
#1	.20597	.39463	.42244	.10625	.11269	.10017
#2	.20707	.39354	.42109	.10687	.11237	.10375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.6**	**96047.**	**8047.7**
Stddev	4.1	223.	16.6
%RSD	.05285	.23216	.20655
#1	7727.7	95889.	8059.4
#2	7733.5	96204.	8035.9

Sample Name: 48662-e-4-c msd@5 Acquired: 11/8/2013 17:24:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00895**	**.44291**	**.19655**	**.30282**	**.41025**	**.01028**	F **.45114**	**25.563**	**.02094**	**.10214**
Stddev	.00012	.00081	.00392	.00009	.00205	.00003	.00409	.087	.00010	.00018
%RSD	1.3246	.18220	1.9947	.02946	.50044	.29301	.90697	.34201	.45744	.17733
#1	.00886	.44348	.19378	.30289	.41170	.01030	.44824	25.625	.02087	.10227
#2	.00903	.44234	.19932	.30276	.40880	.01026	.45403	25.502	.02101	.10201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04086**	**.05255**	**.22352**	**10.585**	**.22463**	**13.009**	**.10374**	**.20654**	**117.82**	**.10155**
Stddev	.00015	.00011	.00231	.023	.00104	.021	.00038	.00040	.11	.00006
%RSD	.35947	.21516	1.0356	.22079	.46393	.16200	.36955	.19158	.09006	.05963
#1	.04076	.05263	.22516	10.602	.22536	12.994	.10347	.20682	117.74	.10159
#2	.04096	.05247	.22189	10.569	.22389	13.024	.10401	.20626	117.89	.10150
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0592**	**.09949**	**49.526**	**.09780**	**.39032**	**2.7561**	**5.8982**	**.40463**	**1.1508**	**.20572**
Stddev	.0031	.00022	.009	.00028	.00236	.0120	.0258	.00012	.0039	.00011
%RSD	.15167	.22062	.01804	.29086	.60549	.43697	.43697	.02928	.33821	.05260
#1	2.0570	.09965	49.520	.09801	.38865	2.7476	5.8799	.40472	1.1535	.20565
#2	2.0614	.09934	49.532	.09760	.39199	2.7647	5.9164	.40455	1.1480	.20580
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20801**	**.39277**	**.46274**	**.10713**	**.11253**	**.10263**
Stddev	.00031	.00156	.00689	.00049	.00043	.00346
%RSD	.14769	.39605	1.4895	.45324	.38201	3.3688
#1	.20779	.39387	.46761	.10679	.11284	.10508
#2	.20822	.39167	.45786	.10747	.11223	.10019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7725.4**	**95534.**	**8125.0**
Stddev	4.8	376.	25.8
%RSD	.06272	.39332	.31706
#1	7728.9	95799.	8143.3
#2	7722.0	95268.	8106.8

Sample Name: 48662-e-4-aPDS@5 Acquired: 11/8/2013 17:26:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04941	1.0283	.20179	.20156	.10583	.05052	.00047	35.473	.05137	.05087
Stddev	.00097	.0009	.00092	.00097	.00038	.00012	.00081	.127	.00049	.00067
%RSD	1.9636	.08537	.45560	.48319	.35463	.24306	173.42	.35735	.96006	1.3262
#1	.05010	1.0289	.20114	.20225	.10609	.05061	.00104	35.563	.05172	.05135
#2	.04872	1.0276	.20244	.20087	.10556	.05043	-.00011	35.384	.05102	.05040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05138	.05183	1.1841	21.104	.12210	22.809	.05376	.05239	126.68	.05088
Stddev	.00038	.00019	.0136	.099	.00136	.104	.00025	.00060	.97	.00062
%RSD	.74896	.37131	1.1444	.46959	1.1132	.45553	.46922	1.1508	.76897	1.2144
#1	.05165	.05170	1.1745	21.174	.12114	22.882	.05394	.05282	127.37	.05131
#2	.05111	.05197	1.1937	21.033	.12306	22.735	.05358	.05197	125.99	.05044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.0797	.10023	48.844	.10270	.19371	5.7079	12.215	.10420	.98166	.20696
Stddev	.0104	.00060	.039	.00222	.00348	.0553	.118	.00093	.00482	.00088
%RSD	.49886	.59441	.08020	2.1650	1.7958	.96831	.96831	.88903	.49121	.42316
#1	2.0871	.10065	48.872	.10113	.19617	5.6688	12.131	.10485	.98507	.20634
#2	2.0724	.09981	48.817	.10428	.19125	5.7469	12.298	.10354	.97825	.20758
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05403	.19791	.49233	.05410	.22257	.05251
Stddev	.00252	.00000	.02698	.00040	.00108	.00229
%RSD	4.6725	.00065	5.4808	.74049	.48641	4.3644
#1	.05582	.19791	.51141	.05438	.22334	.05089
#2	.05225	.19791	.47325	.05381	.22181	.05413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7636.1	95115.	8035.5
Stddev	14.5	630.	85.1
%RSD	.18962	.66245	1.0595
#1	7625.9	94670.	7975.3
#2	7646.3	95561.	8095.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 17:28:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**51.232**	**.00257**	**.00719**	**.00016**	**.00008**	**.98967**	**.01352**	**-.00007**	**-.00074**	**-.00012**	**.00693**	**49.502**
Stddev	.00005	.240	.00020	.00027	.00019	.00010	.00341	.00392	.00005	.00012	.00013	.00107	.009
%RSD	1.5512	.46812	7.8674	3.7394	118.24	125.83	.34460	28.979	63.944	16.429	109.74	15.367	.01859
#1	.00316	51.062	.00243	.00700	.00030	.00001	.98726	.01629	-.00010	-.00083	-.00021	.00618	49.495
#2	.00310	51.401	.00272	.00738	.00003	.00015	.99208	.01075	-.00004	-.00065	-.00003	.00768	49.508
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16140**	**-.00036**	**.08288**	**.00022**	**-.00039**	**255.17**	**-.00006**	**.00163**	**.00120**	**4.9860**	**.00392**	**.00170**	**.03588**
Stddev	.00315	.00322	.00153	.00008	.00001	.18	.00000	.00064	.00001	.0003	.00324	.00534	.00888
%RSD	1.9497	894.34	1.8438	37.498	1.3481	.07064	.98365	39.067	1.2322	.00537	82.598	313.21	24.758
#1	.15917	.00192	.08180	.00016	-.00038	255.05	-.00006	.00118	.00121	4.9861	.00163	.00548	.02960
#2	.16362	-.00264	.08396	.00028	-.00039	255.30	-.00006	.00209	.00119	4.9858	.00621	-.00207	.04217
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07679**	**-.00041**	**.00071**	**4.8180**	**-.00535**	**.00197**	**10.126**	**.00054**	**.00162**	**.01588**
Stddev	.01901	.00005	.00009	.0379	.00010	.00067	.019	.00015	.00048	.00086
%RSD	24.758	12.244	12.759	.78654	1.9068	33.844	.18681	28.349	29.385	5.4199
#1	.06335	-.00044	.00078	4.7912	-.00542	.00244	10.112	.00043	.00195	.01648
#2	.09023	-.00037	.00065	4.8448	-.00528	.00150	10.139	.00064	.00128	.01527
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7634.3**	**95674.**	**7925.3**
Stddev	4.7	322.	6.2
%RSD	.06197	.33628	.07783
#1	7637.6	95902.	7920.9
#2	7631.0	95447.	7929.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 17:31:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49556**	**.52116**	**.99074**	**.50133**	**.50784**	**.50337**	**.00061**	**5.0875**	**.50133**	**.50882**	**.50102**	**.50534**	**2.4894**
Stddev	.00129	.00154	.00323	.00081	.00037	.00057	.00172	.0046	.00032	.00118	.00017	.00206	.0053
%RSD	.26082	.29581	.32594	.16095	.07367	.11406	283.71	.09095	.06382	.23188	.03456	.40673	.21137
#1	.49464	.52225	.99302	.50190	.50811	.50378	.00183	5.0908	.50111	.50965	.50090	.50389	2.4856
#2	.49647	.52007	.98846	.50076	.50758	.50296	-.00061	5.0843	.50156	.50799	.50115	.50680	2.4931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.150**	**1.0089**	**19.786**	**.50319**	**.50328**	**5.4860**	**.50817**	**.98833**	**1.0288**	**.02086**	**1.0079**	**.98500**	**5.0603**
Stddev	.089	.0077	.023	.00001	.00233	.0032	.00025	.00408	.0060	.00097	.0027	.00026	.0089
%RSD	.17413	.76334	.11391	.00255	.46391	.05819	.04841	.41253	.57855	4.6671	.26899	.02599	.17632
#1	51.087	1.0143	19.770	.50318	.50493	5.4882	.50834	.99121	1.0330	.02017	1.0098	.98518	5.0666
#2	51.213	1.0034	19.802	.50320	.50163	5.4837	.50800	.98544	1.0246	.02155	1.0060	.98481	5.0539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.829**	**1.0041**	**.50493**	**-.00272**	**.50423**	**1.0325**	**-.04775**	**.50558**	**.50470**	**.50917**
Stddev	.019	.0080	.00021	.00010	.00110	.0053	.02179	.00102	.00228	.00225
%RSD	.17632	.79469	.04251	3.8127	.21823	.51572	45.624	.20134	.45115	.44204
#1	10.842	1.0098	.50508	-.00265	.50345	1.0362	-.03235	.50486	.50309	.50758
#2	10.815	.99847	.50478	-.00279	.50501	1.0287	-.06316	.50630	.50631	.51076
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7863.1**	**98705.**	**8064.1**
Stddev	14.9	500.	37.1
%RSD	.18893	.50672	.45998
#1	7852.6	99059.	8090.3
#2	7873.6	98352.	8037.9

Sample Name: CCB Acquired: 11/8/2013 17:33:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00424**	**.00204**	**.00272**	**.00017**	**.00017**	**.00076**	**.00366**	**.00022**	**-.00012**	**.00014**	**-.00028**
Stddev	.00011	.00192	.00127	.00018	.00011	.00000	.00070	.00024	.00004	.00004	.00015	.00021
%RSD	20.033	45.409	62.132	6.7772	68.258	2.3424	92.524	6.6854	19.711	31.603	110.65	74.248
#1	-.00046	.00560	.00294	.00259	.00009	.00017	.00125	.00349	.00019	-.00015	.00025	-.00013
#2	-.00062	.00288	.00114	.00285	.00025	.00016	.00026	.00383	.00025	-.00010	.00003	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00688**	**.10921**	**.00078**	**.00406**	**.00005**	**.00050**	W **.14024**	**-.00030**	**.00108**	**.00055**	**.02273**	F **.00814**
Stddev	.00001	.02192	.00050	.00017	.00015	.00017	.00837	.00014	.00070	.00012	.00002	.00102
%RSD	.10967	20.073	64.023	4.1079	316.10	34.719	5.9694	46.632	64.453	21.360	.09944	12.518
#1	.00687	.09371	.00043	.00418	-.00006	.00038	.14616	-.00040	.00158	.00047	.02274	.00742
#2	.00688	.12471	.00113	.00394	.00015	.00062	.13432	-.00020	.00059	.00063	.02271	.00886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00351**	**.00331**	**.00708**	**.00032**	**.00005**	**.00121**	**.00012**	**.00021**	**-.02946**	**.00003**	**.00354**	**.00111**
Stddev	.00049	.00261	.00559	.00019	.00014	.00078	.00012	.00061	.02319	.00044	.00019	.00005
%RSD	13.810	78.937	78.937	59.406	273.15	64.748	102.72	291.86	78.709	1267.0	5.5021	4.3050
#1	.00317	.00516	.01104	.00018	-.00005	.00176	.00020	.00064	-.01306	-.00028	.00368	.00108
#2	.00385	.00146	.00313	.00045	.00015	.00065	.00003	-.00022	-.04586	.00035	.00340	.00115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7807.2**	**99173.**	**7987.5**
Stddev	9.4	160.	39.1
%RSD	.12019	.16156	.48894
#1	7813.8	99059.	7959.9
#2	7800.6	99286.	8015.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 17:35:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.11020**	**.01569**	**.09892**	**.01085**	**.00114**	**.12090**	**.21523**	**.00531**	**.01042**	**.01049**	**.01557**	**.10452**	**3.1165**
Stddev	.00038	.00023	.00196	.00017	.00046	.00001	.00211	.00506	.00017	.00007	.00011	.00019	.00308	.0726
%RSD	3.9560	.21218	12.475	.17444	4.2323	.56598	1.7483	2.3527	3.2514	.65764	1.0124	1.1907	2.9490	2.3283
#1	.00989	.11037	.01431	.09880	.01117	.00113	.12239	.21881	.00543	.01037	.01057	.01544	.10670	3.0652
#2	.00936	.11004	.01707	.09904	.01052	.00114	.11940	.21165	.00519	.01047	.01042	.01570	.10235	3.1678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01135**	**.21181**	**.01060**	**.02034**	**1.1814**	**.04230**	**2.8779**	**.00921**	**.01282**	**.01174**	**.01312**	**.50116**	**1.0725**	**.10301**
Stddev	.00100	.00542	.00005	.00007	.0072	.00013	.0010	.00173	.00420	.00105	.00263	.00995	.0213	.00008
%RSD	8.7962	2.5585	.51848	.33210	.61103	.30461	.03405	18.805	32.762	8.9449	20.066	1.9847	1.9847	.08240
#1	.01205	.20798	.01064	.02039	1.1865	.04239	2.8786	.00799	.01579	.01248	.01498	.49412	1.0574	.10295
#2	.01064	.21564	.01056	.02029	1.1763	.04221	2.8772	.01044	.00985	.01099	.01126	.50819	1.0875	.10307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01041**	**.01498**	**.01027**	**.01615**	**.07516**	**.01012**	**.02495**	**.01856**
Stddev	.00009	.00037	.00008	.00085	.01899	.00022	.00009	.00080
%RSD	.84870	2.4434	.76874	5.2346	25.265	2.2205	.34434	4.3358
#1	.01035	.01473	.01032	.01675	.06173	.00996	.02489	.01913
#2	.01047	.01524	.01021	.01556	.08858	.01028	.02501	.01799
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7914.6**	**100330.**	**8026.0**
Stddev	6.6	238.	81.6
%RSD	.08321	.23692	1.0168
#1	7910.0	100160.	8083.7
#2	7919.3	100490.	7968.2

Sample Name: 280-48662-e-5-a Acquired: 11/8/2013 17:37:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.02977**	**.00008**	**.51239**	**.01257**	**.00011**	**-.00205**	**77.796**	**.00040**	**-.00042**
Stddev	.00018	.00052	.00055	.00203	.00019	.00011	.00174	.141	.00001	.00014
%RSD	16.393	1.7318	680.01	.39643	1.5473	100.24	84.925	.18067	3.1140	33.888
#1	-.00120	.03013	-.00031	.51383	.01243	.00003	-.00082	77.696	.00041	-.00032
#2	-.00095	.02940	.00047	.51095	.01271	.00019	-.00329	77.895	.00039	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00216**	**.01919**	**1.2529**	**.10644**	**15.804**	**.00646**	**.00560**	W **541.41**	**.00027**
Stddev	.00016	.00001	.00127	.0002	.00352	.037	.00005	.00023	1.23	.00014
%RSD	25.672	.28325	6.6127	.01281	3.3077	.23331	.74350	4.0871	.22800	51.221
#1	.00052	.00216	.02008	1.2530	.10395	15.830	.00650	.00544	540.53	.00017
#2	.00074	.00216	.01829	1.2528	.10893	15.777	.00643	.00577	542.28	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04128**	**-.00060**	F **254.44**	**.00045**	**.00860**	**3.7289**	**7.9799**	**-.00040**	**4.7647**	**-.00133**
Stddev	.00007	.00083	.49	.00031	.00089	.0391	.0836	.00034	.0005	.00020
%RSD	.17343	137.30	.19302	69.828	10.360	1.0472	1.0472	85.759	.01074	14.731
#1	.04133	-.00002	254.79	.00023	.00797	3.7013	7.9208	-.00016	4.7644	-.00147
#2	.04123	-.00119	254.10	.00067	.00922	3.7565	8.0390	-.00064	4.7651	-.00119
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00097**	**.04011**	**.00726**	**.01578**	**.00193**
Stddev	.00023	.00028	.00632	.00001	.00011	.00102
%RSD	152.86	28.653	15.764	.14494	.71194	53.132
#1	.00031	.00077	.04459	.00725	.01570	.00265
#2	-.00001	.00116	.03564	.00726	.01586	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7401.7**	**91089.**	**8060.6**
Stddev	21.7	444.	16.4
%RSD	.29296	.48758	.20304
#1	7386.4	91403.	8072.2
#2	7417.1	90775.	8049.0

Sample Name: 280-48662-e-6-a Acquired: 11/8/2013 17:40:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.25101**	**.00076**	**1.3727**	**.01135**	**.00005**	**.00022**	**5.7628**	**.00014**	**-.00024**
Stddev	.00025	.00056	.00213	.0105	.00014	.00004	.00097	.0129	.00017	.00009
%RSD	65.840	.22198	281.98	.76633	1.2273	79.655	441.35	.22432	125.28	39.373
#1	-.00020	.25141	.00227	1.3801	.01125	.00002	.00091	5.7537	.00002	-.00031
#2	-.00056	.25062	-.00075	1.3652	.01145	.00008	-.00047	5.7720	.00026	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00211**	**.12616**	**.93422**	**.28865**	**.66968**	**.01446**	**.02211**	W **549.56**	**.00255**
Stddev	.00015	.00053	.00038	.08331	.00283	.00482	.00001	.00020	2.98	.00039
%RSD	18.030	25.090	.30356	8.9179	.98097	.71999	.09186	.89685	.54310	15.406
#1	.00072	.00248	.12589	.87531	.28664	.67309	.01445	.02225	547.45	.00283
#2	.00093	.00173	.12643	.99313	.29065	.66627	.01447	.02197	551.67	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01470**	**.00055**	F **205.75**	**.00033**	**-.00047**	**4.2339**	**9.0605**	**.00025**	**1.1050**	**-.00278**
Stddev	.00043	.00040	.06	.00058	.00032	.0292	.0625	.00038	.0050	.00175
%RSD	2.9107	73.013	.02972	174.85	68.317	.68991	.68991	154.05	.45626	62.900
#1	.01500	.00027	205.71	-.00008	-.00024	4.2132	9.0163	.00051	1.1014	-.00154
#2	.01439	.00084	205.79	.00074	-.00070	4.2545	9.1047	-.00002	1.1085	-.00401
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00559**	**.00082**	**.01959**	**.00500**	**.03358**	**.00056**
Stddev	.00031	.00070	.00548	.00072	.00019	.00023
%RSD	5.6123	85.875	27.999	14.395	.57816	41.264
#1	.00581	.00032	.02346	.00449	.03344	.00073
#2	.00536	.00131	.01571	.00551	.03371	.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7489.6**	**92030.**	**8088.1**
Stddev	32.9	330.	.6
%RSD	.43931	.35833	.00704
#1	7466.3	91797.	8087.7
#2	7512.8	92263.	8088.5

Sample Name: 280-48662-e-7-a Acquired: 11/8/2013 17:42:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01622**	**.00075**	**1.6206**	**.02171**	**.00006**	**-.00048**	**10.277**	**.00027**	**-.00024**
Stddev	.00024	.00111	.00197	.0012	.00017	.00000	.00045	.016	.00025	.00005
%RSD	18.080	6.8736	264.55	.07338	.79465	6.6357	93.680	.15664	94.034	19.701
#1	-.00153	.01543	.00214	1.6198	.02183	.00006	-.00016	10.265	.00044	-.00020
#2	-.00118	.01700	-.00065	1.6214	.02158	.00006	-.00079	10.288	.00009	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00130**	**.10248**	**1.3416**	**.37428**	**1.3508**	**.08951**	**.01535**	W **715.24**	**-.00020**
Stddev	.00007	.00002	.00003	.0215	.00485	.0079	.00005	.00007	2.22	.00025
%RSD	14.845	1.7862	.03335	1.5998	1.2968	.58390	.05997	.43008	.31022	122.75
#1	.00040	.00132	.10251	1.3264	.37771	1.3564	.08948	.01540	713.67	-.00037
#2	.00049	.00129	.10246	1.3567	.37085	1.3452	.08955	.01530	716.81	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14190**	**.00037**	F **308.66**	**-.00048**	**-.00082**	**4.7354**	**10.134**	**-.00100**	**1.2410**	**-.00194**
Stddev	.00222	.00059	.38	.00058	.00139	.0054	.012	.00042	.0025	.00033
%RSD	1.5637	158.71	.12334	120.49	169.56	.11430	.11430	42.101	.20020	17.228
#1	.14347	.00079	308.93	-.00007	.00016	4.7316	10.126	-.00070	1.2393	-.00170
#2	.14033	-.00005	308.39	-.00090	-.00180	4.7392	10.142	-.00130	1.2428	-.00217
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00033**	**.04507**	**.00047**	**.00464**	**-.00025**
Stddev	.00032	.00075	.00220	.00034	.00044	.00229
%RSD	163.11	227.10	4.8854	73.839	9.4001	928.18
#1	-.00042	.00086	.04351	.00022	.00495	.00137
#2	.00003	-.00020	.04662	.00071	.00433	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7378.1**	**91065.**	**8040.7**
Stddev	7.6	53.	72.6
%RSD	.10233	.05869	.90292
#1	7383.4	91027.	8092.0
#2	7372.7	91102.	7989.4

Sample Name: 280-48662-e-8-a Acquired: 11/8/2013 17:45:11 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.36953**	**-.00192**	**1.7688**	**.01534**	**.00011**	**-.00259**	**6.3244**	**.00016**	**-.00040**
Stddev	.00020	.00121	.00020	.0004	.00002	.00004	.00284	.0133	.00001	.00053
%RSD	19.401	.32800	10.591	.01974	.12535	40.138	109.59	.20965	6.4186	130.18
#1	-.00115	.36868	-.00177	1.7686	.01533	.00014	-.00460	6.3338	.00016	-.00078
#2	-.00087	.37039	-.00206	1.7691	.01535	.00008	-.00058	6.3150	.00017	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00257**	**.16725**	**4.1908**	**.33265**	**.88392**	**.00612**	**.02561**	W **677.13**	**.00060**
Stddev	.00012	.00008	.00198	.0295	.00032	.00186	.00009	.00014	1.33	.00015
%RSD	11.557	3.1398	1.1818	.70307	.09549	.21008	1.4813	.56202	.19614	24.374
#1	.00116	.00251	.16865	4.1699	.33242	.88524	.00606	.02571	678.07	.00049
#2	.00099	.00262	.16586	4.2116	.33287	.88261	.00618	.02551	676.19	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02015**	**.00027**	F **328.84**	**.00141**	**.00109**	**17.102**	**36.599**	**.00147**	**2.2554**	**-.00121**
Stddev	.00062	.00112	.34	.00004	.00221	.018	.038	.00116	.0086	.00120
%RSD	3.0757	411.30	.10377	2.9529	202.32	.10255	.10255	79.298	.38053	99.668
#1	.02058	.00107	328.60	.00144	-.00047	17.115	36.626	.00064	2.2615	-.00206
#2	.01971	-.00052	329.08	.00138	.00266	17.090	36.573	.00229	2.2493	-.00036
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00713**	**.00112**	**-.00388**	**.01492**	**.00672**	**.00101**
Stddev	.00029	.00068	.05140	.00029	.00015	.00026
%RSD	4.0359	60.847	1323.8	1.9140	2.2935	26.081
#1	.00733	.00160	.03246	.01512	.00682	.00120
#2	.00693	.00064	-.04023	.01472	.00661	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7448.4**	**91370.**	**8056.7**
Stddev	7.9	432.	7.4
%RSD	.10640	.47295	.09152
#1	7454.0	91064.	8061.9
#2	7442.8	91675.	8051.5

Sample Name: 280-48662-e-9-a Acquired: 11/8/2013 17:47:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.78360**	**.00094**	**1.6788**	**.00938**	**.00014**	**-.00066**	**10.175**	**.00010**	**-.00027**
Stddev	.00028	.00150	.00002	.0010	.00060	.00005	.00024	.020	.00022	.00008
%RSD	482.47	.19126	2.4656	.06153	6.3676	35.610	37.048	.20039	224.81	28.234
#1	-.00026	.78466	.00092	1.6781	.00895	.00010	-.00049	10.160	-.00006	-.00021
#2	.00014	.78254	.00095	1.6795	.00980	.00017	-.00083	10.189	.00025	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00182**	**.41627**	**1.5427**	**.38113**	**1.1972**	**.03735**	**.01826**	W **712.22**	**.00115**
Stddev	.00005	.00078	.00761	.0604	.00270	.0041	.00006	.00004	1.53	.00013
%RSD	5.7062	42.726	1.8274	3.9117	.70955	.34313	.15464	.22852	.21443	11.010
#1	.00083	.00127	.41089	1.5854	.37922	1.1943	.03739	.01823	711.14	.00106
#2	.00077	.00236	.42165	1.5000	.38304	1.2001	.03731	.01829	713.30	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01655**	**.00077**	F **304.49**	**.00004**	**.00191**	**5.4393**	**11.640**	**-.00038**	**3.7716**	**-.00049**
Stddev	.00055	.00033	.24	.00201	.00240	.0253	.054	.00006	.0120	.00055
%RSD	3.3284	43.157	.07958	5383.6	125.51	.46413	.46413	16.426	.31751	113.05
#1	.01616	.00053	304.32	.00146	.00021	5.4215	11.602	-.00043	3.7631	-.00088
#2	.01694	.00100	304.66	-.00138	.00360	5.4572	11.678	-.00034	3.7800	-.00010
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00642**	**-.00008**	**.02815**	**.00421**	**.00699**	**.00153**
Stddev	.00019	.00103	.00247	.00060	.00037	.00153
%RSD	3.0099	1333.4	8.7766	14.122	5.2349	99.798
#1	.00629	.00065	.02989	.00463	.00673	.00045
#2	.00656	-.00081	.02640	.00379	.00725	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7447.5**	**91458.**	**8038.0**
Stddev	3.8	405.	9.8
%RSD	.05142	.44336	.12204
#1	7444.8	91171.	8031.1
#2	7450.2	91745.	8045.0

Sample Name: 280-48662-e-11-a Acquired: 11/8/2013 17:50:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**1.5671**	**.00047**	**1.3641**	**.03034**	**.00015**	**.00043**	**4.3617**	**.00015**	**.00028**
Stddev	.00050	.0043	.00134	.0010	.00023	.00003	.00458	.0014	.00030	.00007
%RSD	85.148	.27494	286.76	.07578	.74315	22.788	1067.6	.03147	195.62	26.045
#1	.00094	1.5641	.00141	1.3634	.03050	.00017	.00367	4.3607	-.00006	.00033
#2	.00023	1.5702	-.00048	1.3648	.03018	.00012	-.00281	4.3627	.00037	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00276**	**.00732**	**.70098**	**1.3786**	**.24885**	**.82833**	**.01874**	**.01054**	**459.55**	**.00524**
Stddev	.00006	.00010	.00427	.0888	.00063	.00066	.00009	.00000	1.98	.00032
%RSD	2.2592	1.3825	.60977	6.4399	.25269	.07942	.47862	.00160	.42989	6.1059
#1	.00272	.00725	.70400	1.3158	.24840	.82880	.01867	.01054	460.95	.00502
#2	.00281	.00739	.69796	1.4413	.24929	.82787	.01880	.01054	458.15	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02722**	**.00046**	**116.53**	**-.00028**	**.00243**	**6.8598**	**14.680**	**-.00020**	**1.6434**	**-.00010**
Stddev	.00037	.00027	.48	.00321	.00065	.0540	.116	.00024	.0026	.00112
%RSD	1.3455	58.733	.41545	1153.2	26.713	.78718	.78718	118.55	.15817	1169.0
#1	.02696	.00065	116.19	.00199	.00289	6.8216	14.598	-.00037	1.6452	.00070
#2	.02748	.00027	116.87	-.00255	.00197	6.8980	14.762	-.00003	1.6415	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02163**	**.00012**	**.04749**	**.00962**	**.01733**	**.00206**
Stddev	.00050	.00039	.02819	.00044	.00007	.00120
%RSD	2.3006	337.54	59.360	4.5977	.39148	58.025
#1	.02128	.00040	.02756	.00931	.01737	.00122
#2	.02198	-.00016	.06743	.00993	.01728	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7589.0**	**93207.**	**8101.4**
Stddev	9.9	528.	12.1
%RSD	.13041	.56698	.14995
#1	7596.0	92833.	8110.0
#2	7582.0	93581.	8092.8

Sample Name: 280-48662-e-12-a Acquired: 11/8/2013 17:52:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00184**	**146.57**	**.03677**	**1.0871**	**3.5496**	**.01080**	**-.04106**	**348.98**	**.00183**	**.06503**
Stddev	.00012	.12	.00093	.0025	.0047	.00009	.00130	4.52	.00012	.00062
%RSD	6.2652	.08286	2.5156	.23142	.13264	.81504	3.1584	1.2942	6.7608	.95554
#1	-.00176	146.65	.03743	1.0889	3.5463	.01086	-.04197	352.17	.00174	.06547
#2	-.00192	146.48	.03612	1.0853	3.5529	.01074	-.04014	345.78	.00192	.06459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11363**	**.09154**	**110.05**	**20.158**	**.24002**	**56.102**	**4.9049**	**.00586**	W **569.52**	**.15525**
Stddev	.00036	.00015	1.11	.079	.00148	.310	.0394	.00019	.78	.00083
%RSD	.32085	.16650	1.0110	.39070	.61776	.55237	.80415	3.1943	.13652	.53500
#1	.11389	.09165	109.27	20.103	.24107	55.883	4.8770	.00599	568.97	.15583
#2	.11337	.09144	110.84	20.214	.23897	56.321	4.9328	.00573	570.07	.15466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3897**	**.09176**	**135.98**	**-.00171**	**.01872**	W **84.367**	**180.55**	**.00721**	**2.6856**	**.07614**
Stddev	.0243	.00116	.08	.00079	.00013	.251	.54	.00000	.0032	.00016
%RSD	.55428	1.2661	.05807	45.900	.69407	.29776	.29776	.00085	.12025	.21600
#1	4.4069	.09258	135.92	-.00116	.01863	84.545	180.93	.00721	2.6833	.07626
#2	4.3725	.09094	136.03	-.00227	.01881	84.190	180.17	.00721	2.6879	.07602
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26292**	**-.00137**	F **-.20717**	**.19845**	**.38216**	**.01172**
Stddev	.00029	.00107	.00604	.00067	.00064	.00000
%RSD	.10887	78.542	2.9138	.33876	.16779	.04037
#1	.26272	-.00213	-.20290	.19797	.38171	.01172
#2	.26313	-.00061	-.21144	.19892	.38262	.01171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8289.1**	**100580.**	**9155.0**
Stddev	10.4	715.	1.4
%RSD	.12511	.71126	.01560
#1	8281.8	101080.	9156.0
#2	8296.5	100070.	9153.9

Sample Name: 280-48769-a-2-b@10 Acquired: 11/8/2013 17:54:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00803**	**1.9300**	k **.00646**	**.07108**	k **.02059**	k **.00020**	k **.00167**	**5.6526**	k **.00150**	k **.00000**
Stddev	.00016	.0140	.00030	.00063	.00003	.00007	.00130	.0159	.00010	.0001
%RSD	1.9906	.72759	4.6303	.88105	.15314	35.865	77.463	.28095	6.5474	7275.7
#1	k .00814	1.9200	k .00667	.07153	k .02061	k .00015	k .00259	5.6638	k .00143	k -.00004
#2	k .00792	1.9399	k .00625	.07064	k .02057	k .00025	k .00076	5.6413	k .00157	k .00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01046**	k **.01172**	**2.2985**	W **135.13**	k **.00049**	k **1.3569**	^ *****	k **-.00667**	**188.36**	k **.00626**
Stddev	.00011	.00011	.0058	.56	.00191	.0129	-----	.00025	.18	.00003
%RSD	1.0950	.90508	.25378	.41367	393.39	.94745	-----	3.6821	.09294	.55096
#1	k .01038	k .01179	2.2944	135.52	k .00184	k 1.3660	^ -----	k -.00650	188.48	k .00629
#2	k .01054	k .01164	2.3026	134.73	k -.00087	k 1.3478	^ -----	k -.00685	188.23	k .00624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.19439**	k **.04542**	kF **407.90**	k **.00390**	k **.11018**	**2.6139**	**5.5938**	F **299.38**	**.03382**	kW **-.01503**
Stddev	.00150	.00167	.32	.00133	.00680	.0050	.0107	.57	.00001	.00143
%RSD	.77361	3.6837	.07854	34.085	6.1714	.19072	.19072	.19043	.03727	9.5144
#1	k .19545	k .04660	k 408.13	k .00484	k .11498	2.6174	5.6013	298.98	.03383	k -.01402
#2	k .19332	k .04424	k 407.68	k .00296	k .10537	2.6104	5.5862	299.79	.03382	k -.01604
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn
High Limit			200.00					20.000		45.000
Low Limit			-.20000					-.10000		-.01000

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.08512**	k **.15553**	kF **-1.4978**	kF **-.05802**	k **.09761**	k **.01673**
Stddev	.00074	.00022	.0636	.00094	.00147	.00070
%RSD	.86754	.13935	4.2494	1.6117	1.5101	4.2034
#1	k .08564	k .15538	k -1.5428	k -.05868	k .09865	k .01624
#2	k .08460	k .15568	k -1.4528	k -.05735	k .09657	k .01723
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit			50.000	50.000		
Low Limit			-.10000	-.02000		

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7716.2**	**94689.**	**8156.7**
Stddev	19.6	700.	74.7
%RSD	.25419	.73944	.91638
#1	7730.0	94194.	8103.8
#2	7702.3	95184.	8209.5

Sample Name: 280-48769-a-2-b@20 Acquired: 11/8/2013 17:57:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01818**	**.00218**	**.00596**	**.00060**	**.00007**	**.00090**	**.05969**	**.00021**	**-.00009**
Stddev	.00049	.00053	.00065	.00029	.00029	.00002	.00274	.00010	.00004	.00025
%RSD	300.16	2.9227	29.761	4.9114	48.220	31.637	305.02	.16863	16.939	269.68
#1	.00018	.01855	.00264	.00575	.00040	.00005	-.00104	.05977	.00018	-.00027
#2	-.00051	.01780	.00172	.00617	.00080	.00008	.00284	.05962	.00023	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00000**	**.02855**	**.19298**	**-.00140**	**.00522**	**.01496**	**.00006**	**.43650**	**.00007**
Stddev	.00003	.0003	.00074	.02037	.00050	.00174	.00056	.00001	.00402	.00019
%RSD	17.253	9267.8	2.6069	10.555	35.643	33.270	3.7223	17.116	.92000	265.67
#1	.00013	-.00020	.02803	.20738	-.00105	.00645	.01536	.00007	.43934	-.00006
#2	.00017	.00019	.02908	.17858	-.00175	.00399	.01457	.00005	.43366	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00198**	**.14788**	**.00019**	**-.00214**	**.03593**	**.07690**	**.07879**	**.00027**	**.00115**
Stddev	.00183	.00099	.00895	.00037	.00018	.01481	.03170	.00004	.00009	.00389
%RSD	455.16	49.816	6.0521	188.27	8.5043	41.218	41.218	.05278	31.560	338.77
#1	-.00089	.00128	.15421	-.00006	-.00201	.02546	.05448	.07876	.00033	.00390
#2	.00169	.00268	.14156	.00045	-.00227	.04641	.09931	.07881	.00021	-.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00007**	**.02224**	**-.00051**	**.00851**	**.00021**
Stddev	.00012	.00042	.03707	.00022	.00073	.00004
%RSD	450.60	594.32	166.70	43.055	8.5365	16.863
#1	-.00006	.00037	-.00397	-.00036	.00903	.00019
#2	.00011	-.00023	.04845	-.00067	.00800	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7882.2**	**100900.**	**8059.1**
Stddev	.4	19.	36.8
%RSD	.00521	.01871	.45646
#1	7882.4	100880.	8085.1
#2	7881.9	100910.	8033.1

Sample Name: 280-48769-a-2-b@50 Acquired: 11/8/2013 17:59:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.44006**	**.00180**	**.01717**	**.00458**	**.00017**	**-.00127**	**1.1450**	**.00024**	**-.00022**
Stddev	.00027	.00013	.00340	.00002	.00022	.00005	.00519	.0101	.00010	.00012
%RSD	307.22	.02952	189.21	.09414	4.7811	29.691	407.83	.87785	40.636	55.947
#1	-.00010	.44015	.00420	.01718	.00474	.00013	-.00494	1.1521	.00017	-.00013
#2	.00028	.43997	-.00061	.01716	.00443	.00020	.00240	1.1379	.00031	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**.00194**	**.48917**	**26.874**	**-.00135**	**.31772**	F **28.678**	**-.00116**	**37.976**	**.00116**
Stddev	.00013	.00015	.00853	.101	.00128	.00670	.424	.00006	.392	.00003
%RSD	5.8454	7.6181	1.7432	.37497	94.939	2.1103	1.4797	5.1390	1.0331	2.9930
#1	.00219	.00204	.49520	26.945	-.00044	.32246	28.978	-.00111	38.254	.00113
#2	.00238	.00184	.48314	26.802	-.00226	.31298	28.378	-.00120	37.699	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							20.000			
Low Limit							-.02000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03801**	**.00968**	**82.803**	**-.00251**	**.00520**	**.51224**	**1.0962**	F **71.325**	**.00664**	**.00457**
Stddev	.00344	.00036	.171	.00193	.00263	.00561	.0120	.031	.00011	.00054
%RSD	9.0624	3.7474	.20684	76.823	50.633	1.0949	1.0949	.04384	1.6230	11.811
#1	.04044	.00994	82.682	-.00387	.00334	.50827	1.0877	71.303	.00672	.00496
#2	.03557	.00942	82.924	-.00115	.00706	.51620	1.1047	71.347	.00657	.00419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								20.000		
Low Limit								-.10000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01643**	**-.00247**	F **-.32384**	**.00253**	**.02578**	**.00179**
Stddev	.00010	.00058	.03858	.00034	.00043	.00138
%RSD	.61040	23.490	11.914	13.562	1.6503	76.969
#1	.01650	-.00288	-.35113	.00229	.02608	.00082
#2	.01636	-.00206	-.29656	.00277	.02548	.00277
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7950.1**	**100160.**	**8155.1**
Stddev	3.2	164.	189.4
%RSD	.04066	.16394	2.3225
#1	7947.8	100040.	8021.2
#2	7952.4	100270.	8289.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:01:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00368**	**50.712**	**.00434**	**.00796**	**.00015**	**.00009**	**.99408**	**.00997**	**.00008**	**-.00065**	**-.00021**	**.00729**	**49.430**
Stddev	.00069	.100	.00197	.00027	.00021	.00000	.00222	.00120	.00025	.00047	.00011	.00052	.520
%RSD	18.808	.19626	45.494	3.4227	144.15	4.1615	.22339	12.051	326.25	71.540	49.994	7.1602	1.0525
#1	.00417	50.782	.00294	.00777	.00000	.00008	.99565	.01082	-.00010	-.00098	-.00029	.00692	49.798
#2	.00319	50.641	.00573	.00816	.00030	.00009	.99251	.00912	.00025	-.00032	-.00014	.00766	49.062
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14602**	**.00162**	**.07961**	**.00719**	**-.00063**	**254.77**	**-.00002**	**.00062**	**.00164**	**5.0313**	**.00141**	**-.00124**	**.03702**
Stddev	.02772	.00363	.00340	.00066	.00010	.71	.00020	.00086	.00033	.0034	.00020	.00166	.02359
%RSD	18.984	224.10	4.2707	9.1870	15.972	.27908	951.78	138.45	19.920	.06690	14.428	133.76	63.716
#1	.16562	-.00095	.07720	.00765	-.00056	255.28	.00012	.00001	.00187	5.0337	.00155	-.00241	.02034
#2	.12642	.00419	.08201	.00672	-.00070	254.27	-.00016	.00123	.00141	5.0289	.00127	-.00007	.05370
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07922**	**.03728**	**.00039**	**4.8556**	**-.00525**	**-.00008**	**10.209**	**.00052**	**.00207**	**.01530**
Stddev	.05047	.00121	.00002	.0106	.00019	.00058	.010	.00048	.00021	.00124
%RSD	63.716	3.2398	5.3239	.21820	3.5664	747.28	.09628	92.990	10.251	8.1040
#1	.04353	.03813	.00037	4.8631	-.00538	-.00049	10.216	.00085	.00222	.01618
#2	.11491	.03643	.00040	4.8481	-.00511	.00033	10.202	.00018	.00192	.01442
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7768.5**	**96704.**	**8183.9**
Stddev	36.8	153.	23.7
%RSD	.47331	.15831	.28960
#1	7742.5	96812.	8200.7
#2	7794.5	96595.	8167.1

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:04:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49665**	**.52009**	**.99599**	**.50726**	**.50477**	**.50119**	**.00339**	**5.0542**	**.50361**	**.50874**	**.50206**	**.50666**
Stddev	.00139	.00199	.00014	.00205	.00127	.00054	.00194	.0070	.00073	.00018	.00008	.00020
%RSD	.27992	.38237	.01455	.40479	.25247	.10781	57.219	.13864	.14527	.03463	.01590	.03963
#1	.49763	.52150	.99609	.50872	.50387	.50081	.00202	5.0493	.50309	.50862	.50200	.50680
#2	.49566	.51869	.99589	.50581	.50567	.50157	.00476	5.0592	.50412	.50887	.50212	.50652
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4690**	**50.893**	**1.0020**	**19.793**	**.50465**	**.50568**	W **5.5012**	**.50996**	**.99618**	**1.0306**	**.06117**	**1.0192**
Stddev	.0024	.065	.0005	.017	.00189	.00128	.0037	.00380	.00265	.0014	.01001	.0052
%RSD	.09709	.12828	.05227	.08440	.37505	.25224	.06675	.74566	.26563	.13634	16.366	.50981
#1	2.4673	50.847	1.0016	19.805	.50599	.50659	5.4986	.51265	.99805	1.0296	.06825	1.0156
#2	2.4707	50.939	1.0023	19.781	.50331	.50478	5.5038	.50727	.99431	1.0316	.05409	1.0229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99983**	**5.0207**	**10.744**	**1.0216**	**.50161**	**-.00254**	**.50465**	**1.0360**	**.02054**	**.50674**	**.50295**	**.50379**
Stddev	.00000	.0053	.011	.0013	.00087	.00222	.00097	.0013	.00319	.00113	.00028	.00085
%RSD	.00010	.10557	.10557	.12587	.17305	87.383	.19216	.12685	15.527	.22358	.05496	.16893
#1	.99982	5.0244	10.752	1.0225	.50100	-.00411	.50533	1.0351	.02279	.50754	.50315	.50440
#2	.99983	5.0169	10.736	1.0207	.50223	-.00097	.50396	1.0370	.01828	.50593	.50276	.50319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8021.2**	**101210.**	**8338.3**
Stddev	35.6	299.	20.6
%RSD	.44430	.29561	.24754
#1	7996.0	101000.	8352.9
#2	8046.4	101430.	8323.7

Sample Name: CCB Acquired: 11/8/2013 18:06:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00571**	**.00251**	**.00400**	**.00021**	**.00016**	**-.00014**	**.00475**	**.00027**	**.00010**	**.00011**	**-.00047**
Stddev	.00046	.00416	.00183	.00033	.00019	.00003	.00100	.00050	.00008	.00003	.00007	.00002
%RSD	2950.1	72.897	72.742	8.3238	91.933	16.192	704.47	10.473	30.390	31.583	65.634	4.3845
#1	-.00031	.00277	.00122	.00424	.00035	.00014	.00056	.00440	.00021	.00008	.00006	-.00048
#2	.00034	.00865	.00380	.00377	.00007	.00017	-.00085	.00510	.00033	.00012	.00015	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00833**	**.11578**	W **.00310**	**.00276**	F **.00143**	**.00063**	F **.24719**	**-.00008**	**.00017**	**.00033**	**.05914**	F **.00792**
Stddev	.00066	.03548	.00216	.00073	.00003	.00015	.01511	.00015	.00131	.00018	.00777	.00069
%RSD	7.9496	30.649	69.760	26.546	1.8044	24.427	6.1135	186.52	786.50	53.844	13.138	8.7182
#1	.00880	.09069	.00157	.00224	.00141	.00074	.25787	.00003	.00110	.00020	.05365	.00743
#2	.00786	.14087	.00462	.00327	.00145	.00052	.23650	-.00019	-.00076	.00045	.06464	.00840
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261		.00050		.18320					.00628
Low Limit			-.00261		-.00050		-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00253**	**.00096**	**.00204**	F **.01944**	**.00008**	**.00211**	**.00025**	**.00062**	**-.00284**	**-.00053**	**.00353**	**.00098**
Stddev	.00074	.00776	.01661	.00550	.00000	.00019	.00028	.00012	.02296	.00014	.00075	.00228
%RSD	29.142	812.83	812.83	28.307	4.2845	9.1484	113.01	19.419	808.45	26.066	21.268	232.18
#1	.00306	-.00453	-.00970	.01555	.00008	.00225	.00044	.00071	.01340	-.00062	.00300	.00260
#2	.00201	.00644	.01379	.02333	.00009	.00197	.00005	.00054	-.01908	-.00043	.00406	-.00063
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.01166								
Low Limit				-.01166								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7930.1**	**100790.**	**8184.5**
Stddev	41.6	77.	35.2
%RSD	.52516	.07630	.43023
#1	7959.6	100840.	8209.4
#2	7900.7	100730.	8159.6

Sample Name: CCVL-2367586 Acquired: 11/8/2013 18:08:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.11063**	**.01425**	**.09991**	**.01026**	**.00114**	**.12258**	**.21756**	**.00529**	**.01066**	**.01037**	**.01591**	**.10487**
Stddev	.00068	.00040	.00192	.00015	.00016	.00002	.00009	.00142	.00003	.00006	.00013	.00000	.00047
%RSD	6.6707	.36422	13.500	.14683	1.5336	1.6660	.07131	.65283	.61700	.59174	1.2353	.01241	.45271
#1	.01067	.11035	.01562	.09981	.01015	.00113	.12264	.21656	.00532	.01061	.01046	.01591	.10521
#2	.00971	.11092	.01289	.10001	.01037	.00115	.12252	.21857	.00527	.01070	.01028	.01591	.10454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1785**	**.00885**	**.21106**	**.01142**	**.02007**	**1.2598**	**.04256**	**2.8793**	**.01032**	**.03891**	**.01208**	**.01380**	**.51139**
Stddev	.0067	.00292	.00171	.00009	.00020	.0017	.00043	.0033	.00018	.00195	.00032	.00275	.01763
%RSD	.21233	32.970	.80791	.79195	1.0125	.13718	1.0166	.11562	1.7642	5.0011	2.6687	19.940	3.4471
#1	3.1737	.00679	.20986	.01136	.01993	1.2610	.04287	2.8769	.01019	.04028	.01185	.01185	.49892
#2	3.1833	.01092	.21227	.01149	.02021	1.2585	.04225	2.8816	.01045	.03753	.01231	.01574	.52385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0944**	**.11591**	**.01044**	**.01593**	**.01003**	**.01659**	F **.08023**	**.01005**	**.02497**	**.01693**
Stddev	.0377	.00087	.00008	.00079	.00031	.00076	.02817	.00048	.00018	.00092
%RSD	3.4471	.74783	.77277	4.9639	3.0516	4.5846	35.112	4.7875	.71545	5.4488
#1	1.0677	.11652	.01039	.01537	.01025	.01605	.06031	.01039	.02484	.01628
#2	1.1210	.11530	.01050	.01649	.00982	.01712	.10015	.00971	.02509	.01758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8054.7**	**102530.**	**8300.3**
Stddev	1.0	264.	1.7
%RSD	.01251	.25712	.02083
#1	8054.0	102720.	8301.5
#2	8055.5	102340.	8299.0

Sample Name: mb 280-199525/1-b Acquired: 11/8/2013 18:11:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00080	.00364	.00221	.00306	.00013	.00017	.00083	.00691	-.00003	-.00019
Stddev	.00005	.00017	.00094	.00001	.00009	.00009	.00027	.00329	.00002	.00005
%RSD	5.9305	4.7718	42.516	.27175	67.158	54.625	32.322	47.673	49.588	24.098
#1	-.00083	.00377	.00288	.00306	.00007	.00010	.00064	.00458	-.00002	-.00016
#2	-.00076	.00352	.00155	.00305	.00020	.00023	.00102	.00924	-.00004	-.00022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00002	-.00002	.01490	.07159	-.00140	.00211	W .00107	.00041	W .19172	.00010
Stddev	.00010	.00020	.00046	.00484	.00256	.00209	.00001	.00008	.00546	.00009
%RSD	522.19	980.08	3.1174	6.7594	183.09	99.127	1.2417	18.298	2.8498	88.043
#1	-.00005	.00012	.01523	.06817	.00041	.00063	.00108	.00036	.19558	.00004
#2	.00009	-.00016	.01457	.07501	-.00321	.00359	.00107	.00047	.18785	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00022	.00019	F .03402	.00036	.00021	F .02418	.05175	W .00745	.00003	W .00178
Stddev	.00056	.00033	.00018	.00270	.00038	.01939	.04150	.00018	.00010	.00190
%RSD	257.49	173.75	.54238	740.61	178.90	80.191	80.191	2.3909	333.83	106.74
#1	.00061	.00042	.03389	-.00155	.00048	.01047	.02240	.00732	.00010	.00044
#2	-.00018	-.00004	.03415	.00228	-.00006	.03789	.08109	.00757	-.00004	.00312
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Warn	Chk Pass	Chk Warn
High Limit			.01000			.01000		.00305		.00000
Low Limit			-.01000			-.01000		-.05000		-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00007	.00025	-.00150	-.00087	W .00382	-.00019
Stddev	.00005	.00059	.01311	.00014	.00034	.00108
%RSD	73.366	239.03	874.21	16.380	8.9918	580.25
#1	.00010	-.00017	.00777	-.00077	.00358	.00058
#2	.00003	.00066	-.01077	-.00097	.00407	-.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8104.8	103760.	8425.7
Stddev	7.4	642.	8.2
%RSD	.09192	.61907	.09786
#1	8099.5	103300.	8419.8
#2	8110.1	104210.	8431.5

Sample Name: lcs 280-199525/2-b Acquired: 11/8/2013 18:13:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04872**	**1.9462**	**.99105**	**1.0022**	**2.0423**	**.05027**	**2.2695**	**49.747**	**.10378**	**.49462**
Stddev	.00029	.0026	.00109	.0004	.0019	.00011	.0007	.068	.00015	.00109
%RSD	.59594	.13548	.11023	.03887	.09074	.22808	.03263	.13646	.14281	.22003
#1	.04852	1.9480	.99182	1.0019	2.0410	.05019	2.2689	49.699	.10389	.49539
#2	.04893	1.9443	.99028	1.0024	2.0436	.05035	2.2700	49.795	.10368	.49385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20203**	**.25706**	**.97653**	**51.352**	**1.0104**	**49.157**	**.49881**	**1.0211**	**53.101**	**.49595**
Stddev	.00016	.00092	.00069	.030	.0055	.101	.00048	.0018	.184	.00066
%RSD	.07865	.35705	.07091	.05881	.53933	.20627	.09690	.17885	.34644	.13243
#1	.20192	.25770	.97604	51.373	1.0066	49.086	.49847	1.0198	52.971	.49548
#2	.20214	.25641	.97702	51.330	1.0143	49.229	.49915	1.0224	53.231	.49641
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.023**	**.49129**	**.03009**	**.50309**	**1.9635**	**10.096**	**21.606**	**2.0074**	**1.0143**	**1.0122**
Stddev	.008	.00079	.00012	.00150	.0046	.000	.000	.0114	.0019	.0012
%RSD	.08072	.16059	.40773	.29752	.23360	.00058	.00058	.56886	.18611	.11422
#1	10.018	.49073	.03000	.50203	1.9602	10.096	21.606	1.9993	1.0130	1.0130
#2	10.029	.49184	.03018	.50415	1.9667	10.096	21.606	2.0155	1.0156	1.0114
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0267**	**1.9589**	**2.1295**	**.51223**	**.49391**	**.51330**
Stddev	.0006	.0083	.0132	.00007	.00150	.00150
%RSD	.05700	.42109	.62130	.01304	.30455	.29234
#1	1.0263	1.9530	2.1389	.51218	.49285	.51224
#2	1.0271	1.9647	2.1202	.51227	.49497	.51436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7870.2**	**98888.**	**8443.1**
Stddev	18.6	279.	35.9
%RSD	.23584	.28198	.42512
#1	7857.1	99085.	8417.7
#2	7883.4	98690.	8468.5

Sample Name: 280-48811-b-1-b Acquired: 11/8/2013 18:15:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00424**	**.00105**	**.35569**	**.19121**	**.00014**	**.00045**	**89.661**	**.00025**	**-.00030**
Stddev	.00018	.00043	.00258	.00003	.00008	.00014	.00071	.174	.00003	.00041
%RSD	89.443	10.225	245.59	.00961	.04059	98.308	159.17	.19418	13.020	138.43
#1	-.00007	.00455	.00287	.35566	.19126	.00024	.00095	89.538	.00023	-.00059
#2	-.00032	.00393	-.00077	.35571	.19115	.00004	-.00006	89.784	.00028	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00329**	**.00995**	**5.3677**	**.01632**	**20.311**	**.03408**	**.00306**	**68.496**	**.00588**
Stddev	.00015	.00012	.00162	.0030	.00261	.004	.00001	.00000	.397	.00030
%RSD	82.381	3.6121	16.279	.05588	16.015	.02118	.02097	.08510	.57993	5.1432
#1	.00029	.00337	.00880	5.3656	.01447	20.314	.03408	.00306	68.215	.00567
#2	.00008	.00320	.01109	5.3699	.01817	20.308	.03407	.00306	68.777	.00609
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.00054**	**28.570**	**.00050**	**.00225**	**7.2206**	**15.452**	**.00568**	**.89184**	**-.00065**
Stddev	.00112	.00044	.019	.00148	.00191	.0035	.008	.00068	.00046	.00090
%RSD	11.562	80.999	.06696	296.87	84.937	.04906	.04906	11.963	.05124	137.30
#1	.00893	.00085	28.556	-.00055	.00360	7.2181	15.447	.00616	.89216	-.00002
#2	.01052	.00023	28.583	.00155	.00090	7.2231	15.458	.00520	.89151	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00138**	**.00910**	**.00038**	**.02255**	**.00120**
Stddev	.00035	.00016	.01165	.00011	.00004	.00158
%RSD	181.89	11.771	127.96	27.345	.15729	131.33
#1	.00006	.00126	.00087	.00031	.02258	.00231
#2	-.00044	.00149	.01734	.00046	.02253	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7811.6**	**99004.**	**8381.1**
Stddev	9.9	539.	17.7
%RSD	.12610	.54438	.21075
#1	7804.6	98623.	8393.6
#2	7818.6	99385.	8368.6

Sample Name: 280-48811-b-1-bSD@5 Acquired: 11/8/2013 18:17:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.01496**	**.00205**	**.07678**	**.04047**	**.00007**	**-.00019**	**19.033**	**.00010**	**-.00010**
Stddev	.00008	.00028	.00056	.00072	.00092	.00002	.00187	.031	.00007	.00009
%RSD	52.267	1.8595	27.258	.93602	2.2829	23.610	1008.1	.16270	74.562	85.653
#1	-.00020	.01516	.00245	.07728	.03981	.00006	-.00151	19.011	.00005	-.00004
#2	-.00009	.01476	.00166	.07627	.04112	.00008	.00114	19.055	.00015	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00069**	**.01896**	**1.1618**	**.00364**	**4.3952**	**.00782**	**.00033**	**14.246**	**.00126**
Stddev	.00002	.00048	.00120	.0696	.00050	.0060	.00003	.00018	.266	.00019
%RSD	17.592	69.684	6.3384	5.9931	13.716	.13739	.37682	54.713	1.8642	15.263
#1	.00015	.00103	.01981	1.2110	.00329	4.3995	.00784	.00020	14.434	.00112
#2	.00012	.00035	.01811	1.1126	.00399	4.3910	.00780	.00046	14.058	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00183**	**.00085**	**5.9078**	**.00003**	**-.00024**	**1.5259**	**3.2653**	**.00710**	**.18912**	**-.00018**
Stddev	.00041	.00064	.0152	.00294	.00082	.0135	.0288	.00005	.00077	.00184
%RSD	22.406	75.432	.25709	8805.7	343.46	.88303	.88303	.73472	.40829	1029.0
#1	.00212	.00130	5.9186	.00211	.00034	1.5163	3.2449	.00706	.18858	.00112
#2	.00154	.00040	5.8971	-.00204	-.00082	1.5354	3.2857	.00713	.18967	-.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00019**	**.00861**	**-.00021**	**.01102**	**-.00066**
Stddev	.00010	.00061	.03780	.00002	.00013	.00025
%RSD	127.49	317.42	439.34	10.403	1.1855	37.594
#1	.00016	-.00062	-.01813	-.00023	.01093	-.00049
#2	.00001	.00024	.03534	-.00020	.01112	-.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8003.1**	**101660.**	**8390.8**
Stddev	29.9	82.	41.4
%RSD	.37345	.08088	.49332
#1	8024.2	101600.	8420.1
#2	7981.9	101720.	8361.6

Sample Name: 280-48811-b-1-c ms Acquired: 11/8/2013 18:20:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04777**	**1.8710**	**.98520**	**1.3200**	**2.1698**	**.04921**	F **2.1982**	**135.99**	**.10186**	**.47641**
Stddev	.00016	.0029	.00075	.0055	.0016	.00022	.0073	.07	.00054	.00035
%RSD	.34221	.15400	.07604	.41870	.07377	.44023	.33064	.05295	.52598	.07436
#1	.04788	1.8690	.98573	1.3239	2.1710	.04936	2.2033	135.94	.10224	.47616
#2	.04765	1.8730	.98467	1.3161	2.1687	.04906	2.1931	136.04	.10148	.47667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19645**	**.25236**	**.94832**	**55.664**	**1.0007**	**67.404**	**.51530**	**.99418**	**119.45**	**.48306**
Stddev	.00111	.00154	.00254	.055	.0015	.105	.00011	.00097	.09	.00074
%RSD	.56313	.60976	.26818	.09828	.15042	.15633	.02064	.09737	.07547	.15361
#1	.19724	.25345	.95012	55.626	1.0017	67.479	.51523	.99486	119.38	.48359
#2	.19567	.25127	.94652	55.703	.99959	67.330	.51538	.99349	119.51	.48254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9728**	**.47199**	**28.515**	**.48998**	**1.9207**	**17.040**	**36.466**	**1.9296**	**1.8673**	**.99196**
Stddev	.0270	.00238	.084	.00204	.0109	.134	.286	.0025	.0007	.00021
%RSD	.27051	.50334	.29518	.41699	.56763	.78499	.78499	.12993	.03722	.02080
#1	9.9919	.47367	28.574	.49143	1.9284	17.135	36.668	1.9314	1.8668	.99211
#2	9.9538	.47031	28.455	.48854	1.9130	16.945	36.263	1.9279	1.8678	.99182
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99919**	**1.8534**	**2.1038**	**.50381**	**.49638**	**.49749**
Stddev	.00253	.0087	.0731	.00112	.00110	.00387
%RSD	.25321	.46750	3.4746	.22197	.22161	.77828
#1	1.0010	1.8595	2.1555	.50301	.49715	.50023
#2	.99740	1.8472	2.0521	.50460	.49560	.49476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7664.1**	**96884.**	**8397.7**
Stddev	6.0	244.	11.4
%RSD	.07877	.25217	.13631
#1	7668.4	97056.	8405.8
#2	7659.9	96711.	8389.6

Sample Name: 280-48811-b-1-d msd Acquired: 11/8/2013 18:22:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04668**	**1.8708**	**.98039**	**1.3209**	**2.1749**	**.04900**	F **2.1836**	**137.02**	**.10171**	**.47638**
Stddev	.00026	.0063	.00029	.0031	.0003	.00017	.0027	.29	.00069	.00012
%RSD	.55914	.33594	.02956	.23173	.01520	.34754	.12186	.21331	.67431	.02464
#1	.04649	1.8663	.98059	1.3230	2.1747	.04912	2.1855	136.81	.10219	.47646
#2	.04686	1.8752	.98018	1.3187	2.1752	.04887	2.1818	137.22	.10122	.47629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19584**	**.25241**	**.95099**	**56.060**	**1.0043**	**67.753**	**.51522**	**.98972**	**120.38**	**.48291**
Stddev	.00065	.00009	.00137	.037	.0010	.053	.00025	.00449	.21	.00250
%RSD	.33377	.03390	.14381	.06603	.10377	.07763	.04838	.45353	.17476	.51718
#1	.19630	.25235	.95196	56.033	1.0050	67.716	.51504	.99290	120.53	.48468
#2	.19538	.25247	.95003	56.086	1.0035	67.790	.51539	.98655	120.23	.48114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.9438**	**.47270**	**28.713**	**.48680**	**1.9210**	**17.114**	**36.623**	**1.9192**	**1.8801**	**.98992**
Stddev	.0374	.00196	.001	.00222	.0066	.023	.049	.0024	.0014	.00072
%RSD	.37576	.41553	.00449	.45666	.34438	.13468	.13468	.12532	.07428	.07243
#1	9.9702	.47409	28.712	.48837	1.9256	17.097	36.588	1.9209	1.8791	.99042
#2	9.9174	.47131	28.714	.48522	1.9163	17.130	36.658	1.9175	1.8811	.98941
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99946**	**1.8451**	**2.0856**	**.50386**	**.49719**	**.50009**
Stddev	.00128	.0011	.0449	.00070	.00260	.00335
%RSD	.12770	.05872	2.1541	.13870	.52221	.66888
#1	1.0004	1.8444	2.1173	.50436	.49903	.49773
#2	.99856	1.8459	2.0538	.50337	.49536	.50246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7651.8**	**95865.**	**8283.6**
Stddev	23.6	162.	47.6
%RSD	.30857	.16917	.57509
#1	7635.1	95979.	8249.9
#2	7668.5	95750.	8317.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:24:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00228**	**50.892**	**.00381**	**.01006**	**.00038**	**.00012**	**.99611**	**.02348**	**.00002**	**-.00057**	**-.00021**	**.00716**	**49.168**
Stddev	.00017	.300	.00045	.00064	.00046	.00005	.00697	.00038	.00003	.00007	.00003	.00004	.031
%RSD	7.6300	.58999	11.781	6.3129	120.75	46.759	.69934	1.6119	122.14	11.534	12.763	.59659	.06291
#1	.00241	51.104	.00349	.01051	.00071	.00008	1.0010	.02321	.00004	-.00052	-.00019	.00719	49.189
#2	.00216	50.679	.00412	.00961	.00006	.00016	.99119	.02374	.00000	-.00062	-.00023	.00713	49.146
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15228**	**.00097**	**.09184**	**.00052**	**.00033**	**254.66**	**.00041**	**.00412**	**.00169**	**4.9748**	**.00186**	**.00093**	**.03004**
Stddev	.06144	.00459	.00067	.00008	.00001	1.21	.00016	.00133	.00004	.0106	.00149	.00176	.00222
%RSD	40.343	472.69	.73236	16.202	3.3015	.47644	38.731	32.257	2.2706	.21384	80.140	189.97	7.3967
#1	.19572	-.00227	.09231	.00058	.00032	255.52	.00030	.00506	.00166	4.9823	.00081	.00217	.03161
#2	.10884	.00422	.09136	.00046	.00034	253.80	.00053	.00318	.00172	4.9673	.00291	-.00032	.02847
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06429**	**.00443**	**.00064**	**4.8698**	**-.00499**	**.00381**	**10.175**	**.00068**	**.00202**	**.01647**
Stddev	.00476	.00069	.00013	.0119	.00021	.00070	.036	.00030	.00000	.00190
%RSD	7.3967	15.563	20.844	.24404	4.1414	18.474	.35174	43.689	.20172	11.523
#1	.06765	.00492	.00054	4.8782	-.00485	.00430	10.201	.00088	.00203	.01782
#2	.06092	.00394	.00073	4.8614	-.00514	.00331	10.150	.00047	.00202	.01513
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7779.6**	**96413.**	**8233.5**
Stddev	14.8	91.	13.4
%RSD	.18968	.09395	.16305
#1	7769.2	96349.	8224.0
#2	7790.1	96477.	8243.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:26:39 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49382**	**.51750**	**.99640**	**.50638**	**.50420**	**.50069**	**.00098**	**5.0758**	**.50364**	**.50760**	**.50232**	**.50704**	**2.4461**
Stddev	.00237	.00071	.00337	.00038	.00102	.00092	.00183	.0211	.00022	.00035	.00022	.00050	.0008
%RSD	.48007	.13728	.33792	.07435	.20224	.18314	187.74	.41590	.04423	.06821	.04339	.09927	.03329
#1	.49550	.51800	.99402	.50611	.50492	.50134	-.00032	5.0907	.50348	.50784	.50217	.50739	2.4467
#2	.49215	.51700	.99878	.50665	.50347	.50004	.00227	5.0609	.50380	.50735	.50248	.50668	2.4455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.930**	**1.0061**	**19.729**	**.50170**	**.50302**	**5.3828**	**.50816**	**.99093**	**1.0244**	**.01497**	**1.0131**	**.99183**	**4.9868**
Stddev	.073	.0010	.073	.00004	.00018	.0225	.00026	.00222	.0003	.00079	.0004	.00944	.0345
%RSD	.14346	.09988	.37142	.00805	.03499	.41866	.05172	.22449	.02972	5.2834	.04307	.95213	.69085
#1	50.982	1.0068	19.781	.50167	.50314	5.3988	.50798	.99250	1.0246	.01553	1.0128	.98515	5.0111
#2	50.879	1.0053	19.677	.50173	.50289	5.3669	.50835	.98936	1.0242	.01441	1.0134	.99850	4.9624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.672**	**1.0070**	**.50145**	**-.00156**	**.50506**	**1.0320**	**-.02938**	**.50606**	**.50362**	**.49957**
Stddev	.074	.0037	.00130	.00298	.00012	.0014	.01015	.00043	.00025	.00043
%RSD	.69085	.36736	.26010	190.74	.02464	.13429	34.543	.08476	.04888	.08700
#1	10.724	1.0043	.50237	-.00367	.50515	1.0310	-.02220	.50575	.50379	.49988
#2	10.620	1.0096	.50053	.00054	.50497	1.0330	-.03655	.50636	.50344	.49926
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8018.7**	**101150.**	**8374.0**
Stddev	1.0	200.	18.2
%RSD	.01194	.19737	.21699
#1	8018.0	101010.	8386.9
#2	8019.4	101290.	8361.2

Sample Name: CCB Acquired: 11/8/2013 18:28:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00300**	**.00293**	**.00407**	**.00045**	**.00021**	**.00076**	**.01095**	**.00011**	**.00013**	**.00009**	**-.00037**
Stddev	.00067	.00105	.00187	.00018	.00018	.00016	.00019	.00198	.00013	.00014	.00001	.00002
%RSD	581.97	35.065	63.765	4.4577	39.839	74.255	25.498	18.112	111.35	104.30	6.5443	4.3553
#1	.00036	.00374	.00161	.00420	.00058	.00010	.00063	.01235	.00002	.00003	.00009	-.00038
#2	-.00059	.00225	.00425	.00394	.00033	.00032	.00090	.00955	.00021	.00023	.00008	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00671**	**.07115**	**-.00101**	**.00687**	**.00003**	**.00033**	W **.12520**	**-.00033**	**.00062**	**.00086**	**.01399**	W **.00569**
Stddev	.00041	.02535	.00096	.00081	.00004	.00026	.00940	.00019	.00041	.00194	.00035	.00189
%RSD	6.1329	35.632	94.518	11.727	108.42	78.684	7.5087	57.274	66.436	225.56	2.5352	33.226
#1	.00642	.08908	-.00034	.00630	.00001	.00051	.11855	-.00019	.00091	.00223	.01424	.00435
#2	.00700	.05322	-.00169	.00744	.00006	.00015	.13185	-.00046	.00033	-.00051	.01374	.00702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.01383**	**.02959**	**.00414**	**.00024**	**-.00010**	**.00010**	**.00118**	**-.01303**	**-.00027**	**.00389**	**.00024**
Stddev	.00234	.00001	.00003	.00008	.00008	.00036	.00003	.00044	.02085	.00058	.00054	.00220
%RSD	217.56	.08748	.08748	1.8712	32.197	362.10	25.465	37.078	160.00	214.65	13.831	905.45
#1	-.00058	.01382	.02957	.00419	.00029	-.00035	.00012	.00149	-.02778	.00014	.00427	.00180
#2	.00273	.01383	.02960	.00408	.00018	.00015	.00008	.00087	.00171	-.00068	.00351	-.00132
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.7**	**101550.**	**8163.3**
Stddev	16.4	387.	53.3
%RSD	.20652	.38103	.65280
#1	7920.1	101280.	8201.0
#2	7943.3	101820.	8125.6

Sample Name: CCVL2367586 Acquired: 11/8/2013 18:31:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00986**	**.11630**	**.01447**	**.10067**	**.01032**	**.00106**	**.12364**	**.21256**	**.00540**	**.01080**	**.01065**	**.01587**	**.10180**
Stddev	.00058	.00901	.00133	.00015	.00020	.00006	.00132	.00274	.00001	.00036	.00005	.00016	.00310
%RSD	5.8489	7.7496	9.1630	.14521	1.9838	5.5608	1.0667	1.2911	.27524	3.3373	.44609	.99083	3.0471
#1	.00946	.10993	.01353	.10057	.01018	.00102	.12457	.21062	.00541	.01055	.01062	.01598	.09961
#2	.01027	.12267	.01540	.10078	.01047	.00110	.12270	.21450	.00538	.01106	.01069	.01576	.10400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1542**	**.00927**	**.21099**	**.01049**	**.02070**	**1.1787**	**.04214**	**2.8875**	**.01075**	**.01788**	**.01249**	**.01758**	**.50848**
Stddev	.0142	.00064	.00305	.00005	.00050	.0139	.00002	.0239	.00066	.00844	.00303	.00208	.01283
%RSD	.45129	6.8550	1.4447	.47884	2.4066	1.1781	.05488	.82790	6.1757	47.204	24.251	11.802	2.5232
#1	3.1441	.00972	.20883	.01053	.02035	1.1689	.04216	2.9045	.01122	.01191	.01464	.01905	.49941
#2	3.1642	.00882	.21314	.01046	.02105	1.1885	.04213	2.8706	.01028	.02385	.01035	.01612	.51756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0882**	**.10650**	**.01029**	**.01599**	**.00992**	**.01783**	F **.08668**	**.00998**	**.02543**	**.01528**
Stddev	.0275	.00013	.00010	.00182	.00040	.00021	.03510	.00062	.00063	.00138
%RSD	2.5232	.12670	.97998	11.355	4.0036	1.1918	40.492	6.2576	2.4749	9.0071
#1	1.0687	.10641	.01022	.01727	.00964	.01798	.06186	.01042	.02588	.01625
#2	1.1076	.10660	.01037	.01470	.01020	.01768	.11150	.00954	.02499	.01431
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8047.6**	**102860.**	**8370.0**
Stddev	17.8	265.	23.4
%RSD	.22106	.25743	.27974
#1	8035.0	103050.	8386.6
#2	8060.2	102670.	8353.5

Sample Name: 280-48776-d-6-b Acquired: 11/8/2013 18:33:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00394**	**.00000**	**.10635**	**.00021**	**.00002**	**-.00157**	**.02147**	**.00018**	**-.00009**
Stddev	.00060	.00002	.0014	.00085	.00028	.00002	.00063	.00041	.00000	.00002
%RSD	897.68	.46710	593170.	.79974	134.16	75.897	40.246	1.9049	1.4177	21.803
#1	-.00036	.00393	.00096	.10696	.00041	.00001	-.00112	.02175	.00018	-.00008
#2	.00049	.00395	-.00096	.10575	.00001	.00004	-.00201	.02118	.00018	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00044**	**.00799**	**.11572**	**-.00141**	**.00276**	**.00028**	**.00015**	**6.4726**	**-.00004**
Stddev	.00002	.00005	.00082	.01696	.00237	.00286	.00000	.00006	.0213	.00007
%RSD	6.8273	11.578	10.309	14.657	167.83	103.88	.64894	37.284	.32891	168.65
#1	.00035	.00048	.00740	.10373	.00026	.00073	.00028	.00019	6.4877	.00001
#2	.00032	.00040	.00857	.12772	-.00308	.00478	.00028	.00011	6.4576	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00077**	**.03304**	**.00027**	**.00043**	**5.0448**	**10.796**	**.00231**	**.00022**	**-.00091**
Stddev	.00108	.00072	.00284	.00032	.00005	.0101	.022	.00028	.00005	.00279
%RSD	67.439	94.042	8.6027	118.40	11.130	.19922	.19922	12.199	25.116	305.58
#1	.00237	.00026	.03103	.00049	.00047	5.0519	10.811	.00251	.00025	.00106
#2	.00084	.00128	.03505	.00004	.00040	5.0377	10.781	.00211	.00018	-.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00040**	**.03344**	**-.00041**	**.00403**	**.00037**
Stddev	.00010	.00033	.00391	.00017	.00003	.00157
%RSD	137.67	80.972	11.704	40.474	.64293	420.82
#1	.00000	.00063	.03621	-.00030	.00401	.00148
#2	-.00015	.00017	.03067	-.00053	.00405	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8191.5**	**104320.**	**8414.6**
Stddev	16.5	693.	37.1
%RSD	.20107	.66428	.44125
#1	8179.9	103830.	8388.3
#2	8203.2	104810.	8440.8

Sample Name: 280-48776-d-1-b Acquired: 11/8/2013 18:35:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00390**	**-.00095**	**.01638**	**.92627**	**.00006**	**-.00145**	**51.282**	**.00048**	**-.00025**
Stddev	.00027	.00008	.00080	.00040	.00429	.00009	.00001	.079	.00013	.00007
%RSD	35.316	2.1180	84.415	2.4555	.46359	155.09	.67091	.15362	28.076	27.427
#1	-.00057	.00396	-.00038	.01666	.92931	-.00001	-.00146	51.338	.00038	-.00029
#2	-.00095	.00384	-.00152	.01609	.92324	.00012	-.00144	51.226	.00057	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00121**	**.03846**	**2.8672**	**.01126**	**9.4838**	**.11912**	**.00103**	**24.417**	**-.00038**
Stddev	.00004	.00001	.00030	.0149	.00087	.0435	.00043	.00019	.178	.00043
%RSD	17.591	.86509	.79049	.51778	7.7435	.45918	.36259	18.359	.72979	113.10
#1	.00021	.00121	.03867	2.8567	.01187	9.5146	.11943	.00089	24.291	-.00008
#2	.00027	.00122	.03824	2.8777	.01064	9.4530	.11881	.00116	24.543	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00589**	**-.00016**	**4.1959**	**.00066**	**.00318**	**5.9924**	**12.824**	**.00145**	**1.7157**	**.00023**
Stddev	.00063	.00177	.0055	.00141	.00047	.0306	.065	.00007	.0039	.00080
%RSD	10.678	1079.1	.13054	213.05	14.828	.50994	.50994	5.0982	.22722	349.06
#1	.00545	-.00141	4.1998	.00165	.00352	5.9708	12.778	.00140	1.7184	-.00034
#2	.00634	.00109	4.1921	-.00033	.00285	6.0141	12.870	.00150	1.7129	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00016**	**-.00278**	**-.00024**	**.00450**	**-.00099**
Stddev	.00009	.00072	.00139	.00047	.00047	.00083
%RSD	28.612	450.87	49.964	190.72	10.432	83.414
#1	.00024	.00067	-.00376	.00009	.00483	-.00158
#2	.00036	-.00035	-.00180	-.00057	.00417	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7978.0**	**101120.**	**8440.4**
Stddev	1.0	83.	38.3
%RSD	.01218	.08160	.45370
#1	7978.7	101060.	8413.3
#2	7977.3	101180.	8467.4

Sample Name: 280-48776-d-2-b Acquired: 11/8/2013 18:38:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00285**	**.00302**	**.03435**	**.08139**	**.00013**	**-.00224**	**131.86**	**.00063**	**-.00041**
Stddev	.00039	.00011	.00104	.00012	.00013	.00003	.00116	.03	.00003	.00009
%RSD	833.28	3.6915	34.565	.36046	.15599	24.198	51.827	.01907	5.5325	23.370
#1	.00023	.00292	.00376	.03444	.08130	.00015	-.00142	131.84	.00065	-.00034
#2	-.00033	.00277	.00228	.03426	.08148	.00011	-.00306	131.88	.00060	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.00148**	**.00705**	**3.1653**	**.02461**	**47.761**	**.00791**	**.00064**	**181.29**	**.00034**
Stddev	.00003	.00028	.00125	.0403	.00124	.034	.00003	.00031	.56	.00016
%RSD	1.5800	19.167	17.729	1.2745	5.0428	.07047	.34588	48.851	.31020	46.083
#1	.00166	.00128	.00617	3.1367	.02548	47.737	.00793	.00086	180.89	.00045
#2	.00162	.00168	.00793	3.1938	.02373	47.785	.00789	.00042	181.68	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01990**	**-.00037**	**114.81**	**.00017**	**.00268**	**6.7793**	**14.508**	**.00146**	**2.0806**	**-.00086**
Stddev	.00207	.00019	.24	.00090	.00058	.0551	.118	.00048	.0014	.00125
%RSD	10.390	51.605	.20708	519.93	21.539	.81288	.81288	32.944	.06874	144.24
#1	.01844	-.00024	114.97	-.00046	.00309	6.7403	14.424	.00112	2.0816	.00002
#2	.02136	-.00051	114.64	.00081	.00227	6.8182	14.591	.00180	2.0796	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00092**	**.01307**	**.00035**	**.00785**	**.00241**
Stddev	.00001	.00049	.02073	.00012	.00003	.00086
%RSD	3.6404	53.886	158.67	35.244	.41313	35.682
#1	.00018	.00126	.02773	.00043	.00788	.00302
#2	.00019	.00057	-.00159	.00026	.00783	.00180
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7644.7**	**96381.**	**8332.3**
Stddev	22.4	246.	51.0
%RSD	.29294	.25495	.61243
#1	7628.9	96555.	8368.4
#2	7660.5	96207.	8296.2

Sample Name: 280-48776-d-3-b Acquired: 11/8/2013 18:40:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.01578**	**-.00070**	**.03371**	**.08176**	**.00014**	**-.00497**	**133.45**	**.00080**	**-.00035**
Stddev	.00008	.00027	.00007	.00009	.00029	.00003	.00246	.08	.00016	.00009
%RSD	10.517	1.7188	9.2505	.26988	.35220	22.572	49.551	.05809	19.556	25.005
#1	-.00081	.01597	-.00075	.03378	.08196	.00016	-.00671	133.50	.00091	-.00029
#2	-.00070	.01559	-.00066	.03365	.08155	.00011	-.00323	133.39	.00069	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00126**	**.01931**	**3.0476**	**.02594**	**47.813**	**.01173**	**.00076**	**183.66**	**.00038**
Stddev	.00002	.00001	.00149	.0140	.00323	.119	.00007	.00008	.10	.00018
%RSD	1.3011	1.0141	7.7161	.45766	12.461	.24799	.57674	10.381	.05404	46.661
#1	.00162	.00127	.01826	3.0377	.02366	47.729	.01168	.00070	183.73	.00051
#2	.00159	.00125	.02037	3.0575	.02823	47.897	.01178	.00082	183.59	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01870**	**.00007**	**115.68**	**-.00446**	**.00249**	**6.8681**	**14.698**	**.00019**	**2.1076**	**-.00090**
Stddev	.00059	.00137	.10	.00460	.00168	.0337	.072	.00014	.0036	.00156
%RSD	3.1759	1982.6	.08575	103.02	67.414	.49055	.49055	71.304	.16991	173.50
#1	.01912	-.00090	115.75	-.00121	.00130	6.8919	14.749	.00009	2.1102	-.00201
#2	.01828	.00104	115.61	-.00771	.00367	6.8443	14.647	.00028	2.1051	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00070**	**-.02971**	**.00074**	**.00681**	**.00052**
Stddev	.00017	.00079	.04208	.00012	.00036	.00062
%RSD	44.207	113.14	141.65	16.697	5.2902	119.89
#1	.00027	.00126	.00005	.00065	.00656	.00096
#2	.00051	.00014	-.05946	.00083	.00706	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7637.7**	**96603.**	**8296.3**
Stddev	1.9	337.	55.4
%RSD	.02457	.34850	.66727
#1	7636.3	96365.	8335.5
#2	7639.0	96841.	8257.2

Sample Name: 280-48776-d-4-b Acquired: 11/8/2013 18:42:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00290**	**.00049**	**.01777**	**.10352**	**.00006**	**-.00220**	**58.448**	**.00055**	**-.00011**
Stddev	.00005	.00003	.00171	.00026	.00001	.00004	.00056	.050	.00010	.00000
%RSD	10.996	.96111	347.77	1.4562	.00661	59.662	25.668	.08609	18.644	3.8571
#1	-.00052	.00292	.00170	.01795	.10352	.00004	-.00259	58.412	.00048	-.00011
#2	-.00045	.00288	-.00072	.01758	.10353	.00009	-.00180	58.483	.00063	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00363**	**.00097**	**.01341**	**1.7100**	**.00931**	**13.169**	**.00367**	**.00082**	**28.912**	**.00016**
Stddev	.00015	.00021	.00206	.0875	.00114	.012	.00003	.00022	.202	.00026
%RSD	4.0576	22.170	15.390	5.1189	12.203	.09440	.83653	27.382	.69861	160.34
#1	.00352	.00112	.01486	1.6481	.00851	13.178	.00369	.00098	28.769	-.00002
#2	.00373	.00082	.01195	1.7719	.01012	13.160	.00365	.00066	29.055	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00596**	**.00087**	**21.698**	**.00072**	**.00125**	**6.3619**	**13.615**	**.00126**	**.78804**	**-.00204**
Stddev	.00062	.00047	.025	.00076	.00043	.0211	.045	.00043	.00037	.00026
%RSD	10.433	53.418	.11461	104.71	34.216	.33202	.33202	33.954	.04738	12.823
#1	.00640	.00120	21.716	.00019	.00095	6.3470	13.583	.00156	.78777	-.00185
#2	.00552	.00054	21.681	.00126	.00155	6.3769	13.646	.00096	.78830	-.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00011**	**.00150**	**-.00018**	**.00548**	**.00069**
Stddev	.00026	.00011	.01411	.00088	.00016	.00121
%RSD	1552.3	102.21	938.38	492.64	2.9708	174.59
#1	.00017	-.00018	-.00847	-.00080	.00560	-.00016
#2	-.00020	-.00003	.01148	.00044	.00537	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7893.4**	**100980.**	**8381.8**
Stddev	5.0	121.	100.1
%RSD	.06341	.11983	1.1948
#1	7896.9	100890.	8311.0
#2	7889.8	101060.	8452.6

Sample Name: 280-48776-d-5-b Acquired: 11/8/2013 18:45:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199573 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.01692**	**-.00134**	**.01957**	**.13027**	**.00004**	**-.00004**	**52.901**	**.00027**	**-.00039**
Stddev	.00004	.00025	.00254	.00072	.00055	.00007	.00259	.132	.00021	.00031
%RSD	14.152	1.4719	189.80	3.6785	.42374	176.64	6441.7	.24912	77.139	78.332
#1	-.00024	.01710	.00046	.01906	.13066	-.00001	-.00187	52.994	.00041	-.00018
#2	-.00030	.01674	-.00314	.02008	.12988	.00009	.00179	52.808	.00012	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00079**	**.01788**	**1.6725**	**.00917**	**12.072**	**.00248**	**.00083**	**46.943**	**-.00005**
Stddev	.00012	.00040	.00237	.0207	.00015	.002	.00000	.00001	.544	.00030
%RSD	65.455	50.409	13.250	1.2364	1.6345	.01756	.11426	1.7460	1.1581	567.97
#1	.00028	.00107	.01956	1.6871	.00906	12.071	.00248	.00082	47.327	.00016
#2	.00010	.00051	.01621	1.6579	.00928	12.074	.00248	.00084	46.558	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00647**	**.00097**	**29.131**	**-.00281**	**.00145**	**6.0603**	**12.969**	**.00050**	**.55438**	**-.00044**
Stddev	.00011	.00065	.078	.00032	.00068	.0454	.097	.00006	.00077	.00002
%RSD	1.6864	67.766	.26777	11.462	46.669	.74850	.74850	11.924	.13939	4.4413
#1	.00639	.00050	29.186	-.00258	.00193	6.0923	13.038	.00046	.55493	-.00045
#2	.00655	.00143	29.076	-.00304	.00097	6.0282	12.900	.00055	.55383	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00079**	**-.01137**	**-.00019**	**.00428**	**.00193**
Stddev	.00012	.00091	.01750	.00015	.00034	.00122
%RSD	23.374	115.09	153.94	75.983	7.9997	63.476
#1	.00043	.00015	-.02374	-.00009	.00404	.00106
#2	.00060	.00144	.00101	-.00030	.00452	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7915.3**	**100320.**	**8488.8**
Stddev	10.7	168.	25.0
%RSD	.13534	.16786	.29396
#1	7907.7	100440.	8506.4
#2	7922.8	100200.	8471.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 18:47:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**50.937**	**.00184**	**.00631**	**.00031**	**.00008**	**1.0044**	**.01963**	**.00008**	**-.00098**	**-.00005**	**.00714**	**48.797**
Stddev	.00101	.026	.00084	.00059	.00045	.00011	.0020	.00521	.00006	.00010	.00002	.00022	.036
%RSD	28.942	.05010	45.609	9.3416	143.67	128.86	.19751	26.554	70.623	10.332	37.317	3.1165	.07459
#1	.00421	50.919	.00125	.00589	.00063	.00016	1.0030	.01594	.00012	-.00091	-.00004	.00698	48.823
#2	.00278	50.955	.00243	.00672	.00000	.00001	1.0058	.02332	.00004	-.00105	-.00006	.00730	48.772
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10681**	**.00099**	**.08657**	**.00026**	**-.00040**	**255.60**	**.00001**	**.00220**	**.00123**	**5.0171**	**.00118**	**-.00110**	**.03070**
Stddev	.02565	.00139	.00093	.00001	.00028	.38	.00033	.00050	.00046	.0009	.00079	.00054	.02896
%RSD	24.019	141.22	1.0695	5.6239	69.147	.14843	3800.1	22.830	37.037	.01838	67.013	49.676	94.307
#1	.08867	.00000	.08592	.00027	-.00021	255.33	-.00023	.00255	.00091	5.0165	.00174	-.00071	.05118
#2	.12495	.00197	.08723	.00025	-.00060	255.86	.00024	.00184	.00155	5.0178	.00062	-.00148	.01023
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06571**	**.00148**	**.00055**	**4.8682**	**-.00493**	**.00163**	**10.255**	**.00018**	**.00134**	**.01508**
Stddev	.06197	.00024	.00014	.0006	.00035	.00087	.062	.00060	.00002	.00033
%RSD	94.307	16.128	25.042	.01277	7.0036	53.361	.60109	340.24	1.7150	2.2100
#1	.10952	.00131	.00045	4.8677	-.00518	.00225	10.211	-.00025	.00135	.01484
#2	.02189	.00165	.00065	4.8686	-.00469	.00102	10.299	.00060	.00132	.01531
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7778.8**	**97081.**	**8278.0**
Stddev	15.2	140.	50.7
%RSD	.19522	.14457	.61201
#1	7789.5	97180.	8242.2
#2	7768.0	96982.	8313.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 18:49:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50073**	**.52175**	**1.0042**	**.51083**	**.50722**	**.50401**	**.00183**	**5.0876**	**.50734**	**.51074**	**.50687**	**.51202**	**2.4604**
Stddev	.00216	.00299	.0074	.00310	.00001	.00045	.00162	.0004	.00026	.00117	.00073	.00004	.0150
%RSD	.43223	.57392	.73727	.60642	.00104	.08935	88.265	.00734	.05188	.22937	.14449	.00743	.61103
#1	.50226	.52386	.99899	.50864	.50722	.50432	.00069	5.0879	.50753	.51156	.50739	.51205	2.4498
#2	.49920	.51963	1.0095	.51302	.50723	.50369	.00298	5.0874	.50716	.50991	.50635	.51199	2.4710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.428**	**1.0125**	**19.912**	**.50476**	**.51320**	**5.3960**	**.51774**	**1.0068**	**1.0424**	**.01842**	**1.0267**	**1.0059**	**4.9965**
Stddev	.193	.0022	.070	.00088	.00084	.0186	.00041	.0024	.0010	.00539	.0028	.0006	.0509
%RSD	.37522	.22046	.34902	.17425	.16459	.34482	.07900	.23415	.09454	29.279	.27124	.06065	1.0179
#1	51.564	1.0110	19.961	.50539	.51260	5.4092	.51803	1.0052	1.0431	.02224	1.0248	1.0063	4.9605
#2	51.292	1.0141	19.863	.50414	.51380	5.3829	.51746	1.0085	1.0417	.01461	1.0287	1.0054	5.0325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.693**	**1.0233**	**.50550**	**-.00438**	**.50799**	**1.0426**	**.04056**	**.51072**	**.50710**	**.50478**
Stddev	.109	.0007	.00089	.00074	.00030	.0012	.05067	.00020	.00002	.00318
%RSD	1.0179	.06503	.17656	16.899	.05930	.11523	124.93	.03996	.00428	.63074
#1	10.616	1.0238	.50487	-.00385	.50821	1.0418	.00473	.51087	.50711	.50253
#2	10.769	1.0229	.50613	-.00490	.50778	1.0435	.07639	.51058	.50708	.50703
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.4**	**101400.**	**8291.2**
Stddev	28.2	161.	6.6
%RSD	.35108	.15917	.08013
#1	7999.4	101290.	8286.5
#2	8039.3	101520.	8295.9

Sample Name: CCB Acquired: 11/8/2013 18:51:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00288**	W **.00442**	**.00224**	**.00014**	**.00018**	**.00246**	**.00023**	**.00031**	**-.00003**	**.00013**	**.00023**
Stddev	.00055	.00037	.00045	.00006	.00011	.00005	.00015	.00065	.00029	.00006	.00000	.00002
%RSD	146.21	12.831	10.174	2.5293	77.298	25.251	6.2158	281.45	93.159	231.49	1.0050	7.8946
#1	-.00076	.00314	.00411	.00228	.00021	.00015	.00235	-.00023	.00052	-.00007	.00013	.00021
#2	.00001	.00262	.00474	.00220	.00006	.00021	.00256	.00069	.00011	.00002	.00013	.00024
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441									
Low Limit			-.00441									

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00298**	**.11754**	**.00240**	**.00306**	**.00005**	**.00039**	W **.10625**	**-.00021**	**-.00090**	**.00070**	**.01605**	F **.00878**
Stddev	.00024	.00235	.00228	.00064	.00004	.00015	.01743	.00018	.00028	.00062	.00119	.00067
%RSD	8.2025	1.9958	95.179	20.885	76.442	38.223	16.406	84.965	31.437	88.928	7.4172	7.6134
#1	.00315	.11588	.00078	.00261	.00008	.00028	.09392	-.00034	-.00070	.00026	.01689	.00830
#2	.00280	.11920	.00401	.00352	.00002	.00049	.11857	-.00008	-.00110	.00114	.01521	.00925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00368**	**.00787**	**.00144**	**.00005**	**.00183**	**.00012**	**.00014**	**.02262**	**-.00017**	**.00370**	**.00009**
Stddev	.00353	.01760	.03767	.00031	.00001	.00032	.00000	.00004	.01651	.00016	.00020	.00192
%RSD	282.46	478.78	478.78	21.905	29.427	17.694	.23498	27.413	72.996	92.885	5.4737	2248.0
#1	.00374	-.00877	-.01877	.00166	.00004	.00206	.00012	.00011	.03429	-.00006	.00356	.00144
#2	-.00125	.01612	.03451	.00121	.00006	.00160	.00012	.00017	.01094	-.00028	.00385	-.00127
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8015.1**	**102720.**	**8349.8**
Stddev	2.5	339.	14.2
%RSD	.03141	.33044	.16950
#1	8013.3	102960.	8359.8
#2	8016.9	102480.	8339.8

Sample Name: CCVL2367586 Acquired: 11/8/2013 18:54:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.11042**	**.01382**	**.09863**	**.01047**	**.00121**	**.12301**	**.21672**	**.00538**	**.01066**	**.01049**	**.01646**	**.10281**	**3.1777**
Stddev	.00000	.00024	.00261	.00021	.00011	.00001	.00632	.00217	.00007	.00009	.00008	.00025	.00120	.0704
%RSD	.01762	.21467	18.858	.21643	1.0775	.50546	5.1378	1.0021	1.3336	.84801	.76065	1.5425	1.1719	2.2146
#1	.01031	.11059	.01197	.09848	.01039	.00122	.12748	.21825	.00543	.01072	.01054	.01628	.10196	3.2274
#2	.01031	.11026	.01566	.09878	.01055	.00121	.11854	.21518	.00533	.01060	.01043	.01664	.10366	3.1279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01200**	**.21049**	**.01053**	**.02044**	**1.1665**	**.04253**	**2.8900**	**.01071**	**.01266**	**.00960**	**.01348**	**.50279**	**1.0760**	**.10340**
Stddev	.00008	.00222	.00021	.00013	.0059	.00004	.0098	.00033	.00317	.00342	.00178	.00660	.0141	.00069
%RSD	.62905	1.0548	1.9711	.64657	.50866	.08467	.33854	3.0998	25.063	35.569	13.195	1.3118	1.3118	.66458
#1	.01206	.20892	.01038	.02053	1.1707	.04255	2.8969	.01048	.01491	.01202	.01222	.50745	1.0859	.10389
#2	.01195	.21206	.01067	.02034	1.1623	.04250	2.8831	.01095	.01042	.00719	.01474	.49813	1.0660	.10292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01053**	**.01713**	**.01020**	**.01732**	**.06421**	**.01023**	**.02497**	**.01502**
Stddev	.00005	.00170	.00015	.00075	.01844	.00006	.00016	.00102
%RSD	.49028	9.9156	1.4695	4.3322	28.716	.56447	.63285	6.8202
#1	.01057	.01592	.01030	.01679	.07725	.01019	.02508	.01429
#2	.01049	.01833	.01009	.01785	.05117	.01027	.02486	.01574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8112.6**	**103970.**	**8369.4**
Stddev	3.6	300.	36.9
%RSD	.04412	.28879	.44036
#1	8115.2	104180.	8343.4
#2	8110.1	103760.	8395.5

Sample Name: mb 280-199652/1-a Acquired: 11/8/2013 18:56:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00328**	**-.00019**	**.00121**	**-.00011**	**.00010**	**-.00108**	**.00572**	**.00011**	**-.00021**
Stddev	.00031	.00008	.00058	.00001	.00025	.00005	.00133	.00019	.00003	.00017
%RSD	91.311	2.3081	298.92	.74670	227.82	46.872	123.01	3.3999	27.840	84.905
#1	-.00012	.00333	-.00060	.00122	-.00029	.00013	-.00014	.00558	.00013	-.00008
#2	-.00055	.00323	.00021	.00121	.00007	.00006	-.00202	.00586	.00008	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00033**	**.00778**	**.02082**	**-.00085**	**.00123**	**.00005**	**.00011**	**.06350**	**-.00007**
Stddev	.00010	.00004	.00013	.01340	.00003	.00203	.00005	.00016	.01630	.00019
%RSD	35.490	12.332	1.6525	64.359	3.2528	164.84	103.84	139.34	25.672	285.50
#1	.00021	.00030	.00787	.03029	-.00087	-.00020	.00001	.00022	.05197	-.00020
#2	.00035	.00036	.00769	.01134	-.00083	.00267	.00008	.00000	.07503	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00094**	**.01192**	**-.00090**	**-.00030**	**-.00042**	**-.00090**	**.00086**	**.00002**	**.00061**
Stddev	.00127	.00045	.00022	.00101	.00520	.01726	.03694	.00009	.00006	.00093
%RSD	119.19	48.413	1.8814	111.26	1724.3	4125.3	4125.3	10.256	229.88	152.31
#1	.00017	.00126	.01177	-.00162	-.00398	.01179	.02523	.00079	.00006	.00126
#2	.00197	.00062	.01208	-.00019	.00338	-.01263	-.02702	.00092	-.00002	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00042**	**.00101**	**.00021**	**.00308**	**.00140**
Stddev	.00022	.00017	.01621	.00019	.00002	.00201
%RSD	121.32	39.540	1604.3	91.072	.66608	143.38
#1	.00003	.00030	-.01045	.00008	.00309	.00283
#2	.00034	.00054	.01247	.00035	.00306	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.4**	**103910.**	**8454.0**
Stddev	17.4	247.	207.3
%RSD	.21482	.23754	2.4522
#1	8078.1	103740.	8600.6
#2	8102.7	104080.	8307.4

Sample Name: lcs 280-199652/2-a Acquired: 11/8/2013 18:58:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04952**	**1.9675**	**1.0045**	**.99727**	**2.0636**	**.05087**	**2.2774**	**50.193**	**.10496**	**.49988**
Stddev	.00021	.0030	.0017	.00162	.0029	.00008	.0010	.096	.00042	.00046
%RSD	.42296	.15339	.16654	.16221	.14159	.15584	.04259	.19079	.40030	.09155
#1	.04937	1.9696	1.0034	.99612	2.0615	.05081	2.2780	50.261	.10526	.49955
#2	.04967	1.9653	1.0057	.99841	2.0657	.05092	2.2767	50.125	.10467	.50020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20366**	**.26040**	**.98665**	**52.168**	**1.0209**	**49.729**	**.50451**	**1.0145**	**54.026**	**.49901**
Stddev	.00014	.00060	.00300	.033	.0017	.020	.00109	.0000	.508	.00015
%RSD	.06747	.22871	.30359	.06323	.17038	.04049	.21554	.00061	.93977	.02954
#1	.20375	.26082	.98877	52.145	1.0196	49.743	.50528	1.0145	54.385	.49890
#2	.20356	.25997	.98453	52.191	1.0221	49.715	.50374	1.0145	53.667	.49911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.090**	**.49762**	**.00325**	**.50313**	**1.9798**	**10.175**	**21.774**	**1.9910**	**1.0235**	**1.0258**
Stddev	.028	.00215	.00103	.00034	.0089	.053	.114	.0118	.0011	.0003
%RSD	.27254	.43295	31.720	.06776	.45094	.52317	.52317	.59437	.10551	.02548
#1	10.070	.49915	.00397	.50289	1.9861	10.213	21.855	1.9994	1.0227	1.0259
#2	10.109	.49610	.00252	.50337	1.9735	10.137	21.694	1.9827	1.0242	1.0256
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0263**	**1.9764**	**2.1698**	**.51896**	**.50040**	**.51723**
Stddev	.0025	.0140	.0035	.00070	.00009	.00229
%RSD	.24010	.71010	.15926	.13443	.01745	.44369
#1	1.0281	1.9864	2.1722	.51847	.50034	.51886
#2	1.0246	1.9665	2.1673	.51945	.50046	.51561
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7751.6**	**97503.**	**8209.2**
Stddev	12.2	294.	47.7
%RSD	.15738	.30130	.58084
#1	7743.0	97710.	8175.5
#2	7760.2	97295.	8243.0

Sample Name: 280-48829-a-1-a Acquired: 11/8/2013 19:01:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00796**	**.97268**	**.00485**	**.05830**	**.20692**	**.00014**	**-.00372**	**75.810**	**.00050**	**.00085**
Stddev	.00071	.00058	.00047	.00066	.00047	.00006	.00105	.018	.00012	.00020
%RSD	8.9013	.05930	9.6857	1.1328	.22654	38.614	28.294	.02357	24.039	23.123
#1	.00846	.97308	.00452	.05877	.20725	.00011	-.00446	75.822	.00059	.00071
#2	.00746	.97227	.00518	.05783	.20658	.00018	-.00297	75.797	.00042	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00140**	**.00758**	**1.2556**	**20.546**	**.01046**	**19.288**	**.27470**	**.00258**	**23.614**	**.01239**
Stddev	.00015	.00026	.0003	.083	.00046	.067	.00092	.00050	.274	.00011
%RSD	10.598	3.4641	.02649	.40417	4.3882	.34568	.33480	19.526	1.1596	.89777
#1	.00151	.00740	1.2553	20.605	.01079	19.241	.27405	.00294	23.808	.01247
#2	.00130	.00777	1.2558	20.488	.01014	19.335	.27535	.00223	23.420	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1936**	**.00169**	**16.961**	**.00027**	**.00857**	**8.8977**	**19.041**	**.00095**	**.34848**	**.00004**
Stddev	.0110	.00122	.039	.00368	.00111	.0169	.036	.00096	.00047	.00099
%RSD	.92437	72.217	.23045	1352.7	12.949	.18953	.18953	100.34	.13520	2281.4
#1	1.2014	.00083	16.989	-.00233	.00778	8.9096	19.067	.00028	.34882	.00074
#2	1.1858	.00255	16.934	.00287	.00935	8.8857	19.015	.00163	.34815	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02151**	**.00036**	**-.00702**	**.00548**	**.02381**	**.00274**
Stddev	.00102	.00131	.01823	.00008	.00020	.00051
%RSD	4.7260	365.85	259.46	1.3743	.82317	18.423
#1	.02223	-.00057	-.01991	.00542	.02367	.00239
#2	.02079	.00129	.00586	.00553	.02395	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7898.2**	**99498.**	**8269.3**
Stddev	11.8	63.	41.4
%RSD	.14969	.06357	.50082
#1	7906.5	99542.	8240.0
#2	7889.8	99453.	8298.6

Sample Name: 280-48829-a-1-aSD@5 Acquired: 11/8/2013 19:03:19 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.23199**	**.00161**	**.01388**	**.04432**	**.00010**	**-.00173**	**16.144**	**.00030**	**.00028**
Stddev	.00035	.00066	.00178	.00056	.00004	.00005	.00033	.062	.00001	.00021
%RSD	40.113	.28458	110.55	4.0564	.09402	45.819	19.143	.38270	3.9481	75.088
#1	.00113	.23152	.00288	.01428	.04435	.00007	-.00196	16.100	.00030	.00013
#2	.00063	.23246	.00035	.01348	.04429	.00013	-.00149	16.188	.00029	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00150**	**.28798**	**4.3319**	**.00248**	**4.1582**	**.05947**	**.00066**	**4.9543**	**.00276**
Stddev	.00001	.00031	.00006	.0920	.00008	.0093	.00002	.00021	.0040	.00021
%RSD	2.9721	20.656	.01991	2.1236	3.1179	.22346	.04034	31.681	.08068	7.4962
#1	.00046	.00172	.28802	4.2668	.00242	4.1517	.05945	.00081	4.9515	.00291
#2	.00048	.00128	.28794	4.3969	.00253	4.1648	.05949	.00051	4.9571	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24724**	**.00039**	**3.5151**	**.00126**	**.00149**	**1.8831**	**4.0298**	**.00287**	**.07450**	**.00215**
Stddev	.00139	.00008	.0019	.00154	.00252	.0127	.0272	.00053	.00056	.00032
%RSD	.56133	20.562	.05511	122.37	168.87	.67425	.67425	18.390	.74751	14.812
#1	.24822	.00045	3.5165	.00235	.00327	1.8741	4.0106	.00325	.07411	.00193
#2	.24625	.00033	3.5137	.00017	-.00029	1.8921	4.0490	.00250	.07489	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00491**	**.00071**	**-.01488**	**.00080**	**.01112**	**.00173**
Stddev	.00047	.00068	.04345	.00060	.00029	.00033
%RSD	9.5077	94.794	291.89	75.215	2.5887	19.278
#1	.00458	.00119	.01584	.00037	.01132	.00196
#2	.00524	.00024	-.04560	.00122	.01092	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.3**	**101070.**	**8166.8**
Stddev	12.2	81.	36.3
%RSD	.15393	.08008	.44497
#1	7943.9	101120.	8192.5
#2	7926.7	101010.	8141.1

Sample Name: 280-48829-a-1-b ms Acquired: 11/8/2013 19:05:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05015**	**4.0680**	**1.0229**	**1.0725**	**2.3149**	**.05220**	F **2.2921**	**128.09**	**.10650**	**.50389**
Stddev	.00099	.0028	.0016	.0030	.0024	.00007	.0065	.30	.00008	.00025
%RSD	1.9665	.06854	.15271	.27735	.10326	.13107	.28552	.23353	.07266	.05038
#1	.04946	4.0700	1.0240	1.0704	2.3165	.05225	2.2875	128.31	.10655	.50371
#2	.05085	4.0661	1.0218	1.0746	2.3132	.05216	2.2968	127.88	.10644	.50407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20750**	**.27044**	**2.4636**	**74.703**	**1.0549**	**70.090**	**.79160**	**1.0379**	**78.399**	**.50449**
Stddev	.00011	.00037	.0120	.155	.0003	.034	.00143	.0034	.087	.00045
%RSD	.05350	.13714	.48692	.20694	.03269	.04870	.18114	.32240	.11103	.09003
#1	.20758	.27070	2.4721	74.812	1.0547	70.066	.79059	1.0356	78.337	.50417
#2	.20742	.27018	2.4551	74.593	1.0551	70.114	.79262	1.0403	78.461	.50481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.625**	**.49761**	**17.507**	**.50999**	**2.0081**	**20.998**	**44.935**	W **2.0061**	**1.3988**	**1.0369**
Stddev	.017	.00008	.027	.00284	.0069	.058	.124	.0035	.0023	.0021
%RSD	.14936	.01540	.15686	.55604	.34548	.27491	.27491	.17304	.16737	.20436
#1	11.612	.49756	17.488	.50798	2.0130	21.038	45.022	2.0037	1.4005	1.0354
#2	11.637	.49767	17.527	.51199	2.0032	20.957	44.848	2.0086	1.3972	1.0384
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0820**	**1.9423**	**2.2178**	**.53823**	**.52610**	**.52958**
Stddev	.0011	.0032	.0123	.00076	.00241	.00002
%RSD	.10530	.16516	.55339	.14126	.45833	.00387
#1	1.0812	1.9446	2.2092	.53770	.52440	.52960
#2	1.0828	1.9401	2.2265	.53877	.52781	.52957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7674.5**	**95638.**	**8096.3**
Stddev	24.2	440.	50.1
%RSD	.31537	.45954	.61940
#1	7691.6	95949.	8060.9
#2	7657.3	95327.	8131.8

Sample Name: 280-48829-a-1-c msd Acquired: 11/8/2013 19:07:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04995**	**4.0675**	**1.0076**	**1.0519**	**2.2562**	**.05091**	F **2.2564**	**123.82**	**.10439**	**.49315**
Stddev	.00017	.0376	.0006	.0006	.0024	.00015	.0026	.11	.00027	.00070
%RSD	.33343	.92520	.05908	.05526	.10543	.29587	.11469	.08624	.25601	.14105
#1	.05007	4.0941	1.0080	1.0524	2.2579	.05102	2.2582	123.89	.10458	.49364
#2	.04983	4.0409	1.0071	1.0515	2.2545	.05080	2.2546	123.74	.10420	.49265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20382**	**.26407**	**2.4620**	**72.597**	**1.0305**	**68.261**	**.76872**	**1.0154**	**76.392**	**.49511**
Stddev	.00000	.00123	.0062	.080	.0039	.208	.00216	.0020	.110	.00140
%RSD	.00017	.46457	.25084	.11066	.37372	.30492	.28152	.19377	.14377	.28310
#1	.20382	.26494	2.4664	72.654	1.0332	68.408	.77025	1.0168	76.469	.49610
#2	.20382	.26320	2.4576	72.541	1.0277	68.113	.76719	1.0141	76.314	.49412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.364**	**.48775**	**16.826**	**.49719**	**1.9678**	**20.514**	**43.900**	**1.9663**	**1.3607**	**1.0124**
Stddev	.021	.00009	.013	.00218	.0005	.019	.041	.0031	.0014	.0025
%RSD	.18446	.01786	.07662	.43913	.02669	.09256	.09256	.15502	.10413	.24306
#1	11.350	.48781	16.835	.49873	1.9674	20.527	43.928	1.9641	1.3617	1.0141
#2	11.379	.48769	16.816	.49564	1.9681	20.500	43.871	1.9684	1.3597	1.0107
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0528**	**1.9109**	**2.1807**	**.52467**	**.51191**	**.51342**
Stddev	.0009	.0035	.0069	.00196	.00129	.00240
%RSD	.08377	.18225	.31500	.37383	.25209	.46745
#1	1.0521	1.9133	2.1759	.52328	.51283	.51512
#2	1.0534	1.9084	2.1856	.52605	.51100	.51173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7667.5**	**96315.**	**8141.2**
Stddev	12.4	490.	33.6
%RSD	.16230	.50850	.41275
#1	7658.7	95969.	8117.4
#2	7676.3	96661.	8164.9

Sample Name: 280-48829-a-2-a Acquired: 11/8/2013 19:09:53 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**10.938**	**.00760**	**.03187**	**.16468**	**.00048**	**-.00809**	**63.476**	**.00075**	**.00378**
Stddev	.00084	.020	.00070	.00095	.00029	.00007	.00407	.173	.00003	.00012
%RSD	272.91	.18424	9.1513	2.9909	.17787	14.766	50.321	.27296	3.5892	3.2729
#1	-.00090	10.924	.00711	.03254	.16489	.00053	-.00521	63.598	.00073	.00370
#2	.00029	10.952	.00810	.03120	.16447	.00043	-.01097	63.353	.00077	.00387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01166**	**.01459**	**10.190**	**11.597**	**.01268**	**14.866**	**1.0455**	**.00681**	**9.5105**	**.01295**
Stddev	.00019	.00009	.042	.036	.00013	.081	.0014	.00004	.0164	.00001
%RSD	1.6020	.62044	.40947	.31241	1.0356	.54270	.13856	.52327	.17242	.09130
#1	.01179	.01452	10.220	11.571	.01277	14.923	1.0465	.00679	9.5221	.01296
#2	.01152	.01465	10.161	11.622	.01259	14.809	1.0445	.00684	9.4989	.01294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75496**	**.00843**	**18.734**	**-.00128**	**.00147**	**27.030**	**57.843**	**.00150**	**.24176**	**.00481**
Stddev	.00057	.00053	.020	.00048	.00291	.080	.170	.00045	.00026	.00152
%RSD	.07612	6.2828	.10643	37.456	197.50	.29438	.29438	30.042	.10565	31.506
#1	.75537	.00881	18.720	-.00094	-.00058	27.086	57.964	.00119	.24194	.00589
#2	.75455	.00806	18.748	-.00162	.00353	26.973	57.723	.00182	.24158	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16686**	**.00045**	**-.04534**	**.02512**	**.06500**	**.00627**
Stddev	.00021	.00068	.00113	.00025	.00050	.00150
%RSD	.12728	150.77	2.4874	.99256	.76236	24.004
#1	.16671	-.00003	-.04455	.02494	.06535	.00520
#2	.16701	.00094	-.04614	.02529	.06465	.00733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8019.3**	**100000.**	**8324.3**
Stddev	9.5	286.	93.5
%RSD	.11856	.28640	1.1229
#1	8012.6	99800.	8258.2
#2	8026.0	100210.	8390.4

Sample Name: 280-48829-a-3-a Acquired: 11/8/2013 19:12:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**25.508**	**.01140**	**.03873**	**.31599**	**.00117**	**-.01240**	**34.671**	**.00117**	**.01036**
Stddev	.00012	.059	.00171	.00017	.00052	.00002	.00282	.004	.00006	.00002
%RSD	13.261	.23124	15.001	.43961	.16358	2.0797	22.731	.01092	5.1186	.14768
#1	-.00085	25.549	.01019	.03861	.31563	.00115	-.01040	34.674	.00113	.01037
#2	-.00102	25.466	.01261	.03885	.31636	.00119	-.01439	34.669	.00122	.01035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02676**	**.03043**	**25.049**	**19.200**	**.02333**	**12.925**	**.48730**	**.01076**	**2.4648**	**.03100**
Stddev	.00002	.00005	.055	.030	.00233	.001	.00104	.00028	.0068	.00014
%RSD	.08515	.15950	.21784	.15687	9.9923	.00852	.21423	2.6268	.27526	.44526
#1	.02675	.03047	25.010	19.179	.02168	12.925	.48656	.01096	2.4600	.03110
#2	.02678	.03040	25.087	19.221	.02497	12.926	.48804	.01056	2.4696	.03090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0022**	**.01591**	**10.146**	**-.00277**	**.00292**	W **53.922**	**115.39**	**.00178**	**.13896**	**.01047**
Stddev	.0036	.00050	.024	.00309	.00064	.059	.13	.00104	.00006	.00085
%RSD	.17738	3.1354	.23357	111.52	21.889	.10895	.10895	58.710	.04542	8.0786
#1	1.9997	.01556	10.162	-.00059	.00247	53.964	115.48	.00251	.13891	.01107
#2	2.0047	.01627	10.129	-.00496	.00337	53.881	115.30	.00104	.13900	.00987
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000				
Low Limit	-1.0000					-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37362**	**.00029**	W **-.05817**	**.05832**	**.11856**	**.01453**
Stddev	.00003	.00251	.00829	.00003	.00088	.00037
%RSD	.00812	872.86	14.251	.04330	.74529	2.5521
#1	.37364	.00207	-.06403	.05831	.11794	.01479
#2	.37360	-.00149	-.05230	.05834	.11919	.01427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8070.4**	**100410.**	**8342.0**
Stddev	37.0	70.	29.7
%RSD	.45807	.06999	.35585
#1	8096.6	100360.	8363.0
#2	8044.3	100460.	8321.0

Sample Name: CCVH-2357613 Acquired: 11/8/2013 19:14:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00260**	**51.324**	**.00343**	**.00633**	**.00047**	**.00009**	**.99674**	**.01624**	**-.00013**	**-.00074**	**-.00009**	**.00690**	**48.782**
Stddev	.00056	.042	.00035	.00017	.00007	.00010	.00407	.00217	.00021	.00016	.00014	.00035	.144
%RSD	21.657	.08201	10.205	2.6335	15.639	104.87	.40811	13.375	158.18	21.870	155.84	5.0437	.29540
#1	.00300	51.294	.00318	.00644	.00052	.00002	.99962	.01471	-.00028	-.00063	.00001	.00666	48.884
#2	.00220	51.354	.00367	.00621	.00042	.00016	.99386	.01778	.00002	-.00086	-.00019	.00715	48.680
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09398**	**.00109**	**.08526**	**.00046**	**-.00036**	**256.87**	**-.00021**	**.00211**	**.00223**	**4.9661**	**.00130**	**.00170**	**.04170**
Stddev	.02834	.00107	.00452	.00003	.00046	.34	.00019	.00120	.00029	.0019	.00068	.00170	.00130
%RSD	30.153	98.209	5.2963	5.9079	127.02	.13358	92.175	57.024	12.890	.03861	52.093	99.644	3.1133
#1	.11401	.00184	.08207	.00044	-.00069	256.63	-.00035	.00296	.00243	4.9675	.00178	.00290	.04078
#2	.07394	.00033	.08845	.00048	-.00004	257.11	-.00007	.00126	.00203	4.9648	.00082	.00050	.04262
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08924**	**.00033**	**.00037**	**4.8714**	**-.00494**	**.00217**	**10.292**	**.00068**	**.00218**	**.01402**
Stddev	.00278	.00030	.00010	.0121	.00041	.00152	.030	.00016	.00020	.00058
%RSD	3.1133	89.962	26.192	.24892	8.3111	69.975	.29407	24.042	9.2913	4.1526
#1	.08728	.00054	.00030	4.8800	-.00523	.00110	10.271	.00080	.00233	.01361
#2	.09121	.00012	.00044	4.8628	-.00465	.00325	10.313	.00057	.00204	.01444
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7679.0**	**95182.**	**8032.2**
Stddev	6.9	12.	36.9
%RSD	.08931	.01227	.45994
#1	7683.8	95174.	8006.1
#2	7674.1	95190.	8058.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 19:16:44 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49950**	**.52497**	**.99515**	**.50530**	**.51023**	**.50551**	**.00445**	**5.1040**	**.50682**	**.51128**	**.50365**	**.51137**	**2.4527**
Stddev	.00039	.00163	.00031	.00062	.00081	.00002	.00175	.0218	.00016	.00021	.00012	.00039	.0009
%RSD	.07733	.31008	.03098	.12184	.15911	.00494	39.370	.42706	.03115	.04163	.02400	.07685	.03643
#1	.49978	.52612	.99493	.50573	.50966	.50552	.00568	5.1194	.50671	.51143	.50374	.51165	2.4534
#2	.49923	.52382	.99537	.50486	.51080	.50549	.00321	5.0886	.50693	.51113	.50357	.51109	2.4521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.735**	**1.0164**	**19.937**	**.50737**	**.50739**	**5.3799**	**.51208**	**.99240**	**1.0361**	**.00403**	**1.0179**	**.99077**	**5.0041**
Stddev	.060	.0006	.028	.00009	.00313	.0081	.00397	.00526	.0059	.00149	.0085	.00498	.0022
%RSD	.11520	.06294	.14160	.01793	.61666	.15137	.77535	.53033	.57357	36.905	.83453	.50302	.04460
#1	51.777	1.0169	19.956	.50730	.50960	5.3856	.51489	.99613	1.0403	.00508	1.0239	.99430	5.0025
#2	51.693	1.0160	19.917	.50743	.50517	5.3741	.50927	.98868	1.0319	.00298	1.0119	.98725	5.0057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.709**	**1.0079**	**.50698**	**-.00363**	**.51113**	**1.0365**	**.03000**	**.51061**	**.50903**	**.50719**
Stddev	.005	.0060	.00028	.00094	.00012	.0057	.00483	.00243	.00163	.00078
%RSD	.04460	.59124	.05498	25.972	.02388	.54876	16.099	.47553	.32008	.15358
#1	10.705	1.0121	.50679	-.00296	.51105	1.0405	.03341	.50889	.50788	.50664
#2	10.712	1.0037	.50718	-.00429	.51122	1.0324	.02658	.51232	.51019	.50774
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7979.6**	**99803.**	**8121.1**
Stddev	8.6	11.	4.7
%RSD	.10778	.01094	.05840
#1	7985.7	99811.	8117.7
#2	7973.5	99795.	8124.4

Sample Name: CCB Acquired: 11/8/2013 19:18:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00351**	**.00166**	**.00228**	**.00002**	**.00012**	**-.00022**	**.00236**	**.00022**	**-.00003**	**.00010**	**-.00005**
Stddev	.00014	.00019	.00068	.00023	.00021	.00002	.00337	.00185	.00001	.00001	.00005	.00030
%RSD	36.488	5.3730	40.681	10.233	1095.1	14.825	1532.1	78.590	6.3423	32.902	52.294	567.69
#1	-.00048	.00338	.00214	.00212	.00017	.00010	.00216	.00367	.00023	-.00002	.00006	.00016
#2	-.00028	.00364	.00118	.00245	-.00013	.00013	-.00260	.00105	.00021	-.00004	.00013	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00728**	**.11050**	**.00087**	**.00533**	**.00004**	**.00058**	**.08448**	**.00004**	**.00022**	**.00137**	**.01089**	F **.00964**
Stddev	.00030	.01368	.00205	.00013	.00010	.00010	.01036	.00015	.00090	.00008	.00474	.00061
%RSD	4.1411	12.380	236.25	2.5144	246.16	16.517	12.257	354.25	412.56	5.5463	43.498	6.3593
#1	.00707	.12017	-.00058	.00542	.00011	.00065	.07716	-.00006	-.00042	.00131	.01424	.00921
#2	.00749	.10082	.00231	.00523	-.00003	.00051	.09181	.00015	.00086	.00142	.00754	.01008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.01596**	**.03415**	**.00102**	**.00010**	**.00122**	**.00017**	**.00026**	**-.02874**	**-.00006**	**.00367**	**-.00002**
Stddev	.00321	.00885	.01894	.00026	.00001	.00103	.00045	.00007	.01932	.00001	.00007	.00200
%RSD	51.082	55.462	55.462	25.086	7.9311	84.927	260.80	25.171	67.228	9.3368	1.9238	10913.
#1	.00856	.00970	.02076	.00120	.00010	.00195	-.00015	.00022	-.04240	-.00007	.00362	.00140
#2	.00402	.02222	.04755	.00084	.00009	.00049	.00049	.00031	-.01508	-.00006	.00372	-.00143
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7915.0**	**100380.**	**8043.8**
Stddev	4.5	26.	25.3
%RSD	.05741	.02605	.31497
#1	7918.2	100360.	8061.7
#2	7911.8	100400.	8025.9

Sample Name: CCVL2367586 Acquired: 11/8/2013 19:21:08 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00987**	**.11192**	**.01705**	**.09972**	**.01058**	**.00114**	**.12231**	**.22095**	**.00548**	**.01076**	**.01068**	**.01594**	**.10797**	**3.1063**
Stddev	.00015	.00009	.00076	.00050	.00003	.00004	.00136	.00082	.00003	.00026	.00017	.00004	.00151	.0283
%RSD	1.5003	.07865	4.4724	.50194	.27089	3.4377	1.1086	.36999	.46832	2.3766	1.5576	.25883	1.3986	.91001
#1	.00998	.11186	.01759	.09936	.01056	.00116	.12135	.22037	.00547	.01094	.01080	.01591	.10904	3.1263
#2	.00977	.11198	.01651	.10007	.01060	.00111	.12327	.22153	.00550	.01058	.01056	.01597	.10691	3.0864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00847**	**.21159**	**.01055**	**.02056**	**1.1677**	**.04266**	**2.9076**	**.01095**	**.00577**	**.01038**	**.01687**	**.50065**	**1.0714**	**.10553**
Stddev	.00119	.00093	.00004	.00007	.0045	.00018	.0028	.00003	.00174	.00008	.00116	.01146	.0245	.00071
%RSD	14.086	.43959	.37551	.34131	.38136	.41225	.09624	.25442	30.062	.81165	6.8667	2.2884	2.2884	.67316
#1	.00763	.21225	.01052	.02061	1.1708	.04253	2.9056	.01097	.00700	.01032	.01769	.49255	1.0540	.10603
#2	.00932	.21093	.01058	.02051	1.1645	.04278	2.9096	.01093	.00455	.01043	.01605	.50875	1.0887	.10502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.01519**	**.01052**	**.01628**	**.06434**	**.01033**	**.02570**	**.01402**
Stddev	.00002	.00108	.00016	.00014	.04959	.00036	.00031	.00230
%RSD	.17655	7.0993	1.5464	.86617	77.072	3.4909	1.1986	16.443
#1	.01053	.01443	.01041	.01638	.09941	.01058	.02548	.01239
#2	.01055	.01595	.01064	.01618	.02928	.01007	.02592	.01565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8088.9**	**102580.**	**8266.6**
Stddev	20.6	56.	34.5
%RSD	.25444	.05476	.41769
#1	8074.4	102540.	8291.0
#2	8103.5	102620.	8242.1

Sample Name: 280-48832-a-2-a Acquired: 11/8/2013 19:23:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00294**	**-.00060**	**.00230**	**.00040**	**.00024**	**.00276**	**.04950**	**.00015**	**-.00028**
Stddev	.00022	.00021	.00253	.00029	.00019	.00007	.00063	.00235	.00011	.00005
%RSD	49.890	7.1745	417.42	12.411	45.938	30.837	22.732	4.7391	69.170	17.406
#1	-.00028	.00309	-.00239	.00250	.00053	.00029	.00231	.04784	.00008	-.00032
#2	-.00059	.00279	.00118	.00210	.00027	.00019	.00320	.05116	.00023	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**-.00029**	**.01434**	**.06266**	**.00189**	**.00743**	**.00028**	**-.00007**	**.16783**	**-.00002**
Stddev	.00008	.00015	.00159	.01720	.00047	.01092	.00019	.00006	.00845	.00001
%RSD	42.928	52.206	11.120	27.451	24.959	147.05	66.683	77.907	5.0351	63.487
#1	.00025	-.00040	.01321	.05050	.00156	.01515	.00041	-.00003	.16186	-.00003
#2	.00014	-.00018	.01547	.07482	.00223	-.00030	.00015	-.00011	.17381	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00053**	**.00792**	**-.00022**	**.00299**	**.02622**	**.05612**	**.00104**	**.00034**	**.00065**
Stddev	.00001	.00012	.00183	.00118	.00162	.00693	.01484	.00029	.00002	.00069
%RSD	.67907	22.652	23.082	546.68	54.192	26.438	26.438	27.583	5.1877	105.85
#1	.00142	.00061	.00663	-.00105	.00413	.03113	.06661	.00084	.00033	.00016
#2	.00144	.00044	.00921	.00062	.00184	.02132	.04563	.00124	.00036	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00024**	**.01800**	**-.00077**	**.00376**	**.00055**
Stddev	.00035	.00001	.00232	.00023	.00035	.00155
%RSD	142.21	4.3178	12.882	30.430	9.2667	283.03
#1	.00050	-.00023	.01636	-.00060	.00401	-.00055
#2	.00000	-.00024	.01964	-.00094	.00352	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8138.9**	**104870.**	**8419.1**
Stddev	.5	622.	40.6
%RSD	.00637	.59342	.48177
#1	8139.3	105310.	8390.5
#2	8138.5	104430.	8447.8

Sample Name: 280-48832-a-1-a Acquired: 11/8/2013 19:25:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.02297**	**.00403**	**3.2374**	**.08055**	**.00012**	**-.00078**	**170.66**	**.00041**	**.00033**
Stddev	.00029	.00072	.00277	.0030	.00014	.00013	.00251	.10	.00012	.00010
%RSD	105.09	3.1531	68.656	.09157	.17449	111.30	323.56	.06102	29.907	31.378
#1	-.00007	.02246	.00599	3.2353	.08045	.00021	.00100	170.74	.00050	.00041
#2	-.00048	.02348	.00208	3.2395	.08065	.00002	-.00255	170.59	.00033	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00160**	**.00168**	**5.0052**	**36.970**	**.00305**	**22.984**	**.82166**	**.00188**	**140.60**	**.00106**
Stddev	.00005	.00027	.0072	.003	.00098	.019	.00046	.00009	.42	.00010
%RSD	2.9338	16.005	.14458	.00699	32.221	.08439	.05609	4.6513	.29785	9.6109
#1	.00164	.00149	5.0103	36.971	.00374	22.998	.82199	.00194	140.31	.00113
#2	.00157	.00187	5.0001	36.968	.00235	22.970	.82134	.00182	140.90	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13403**	**.00129**	**46.976**	**.00124**	**.00178**	**2.0930**	**4.4790**	**.00018**	**.88906**	**-.00149**
Stddev	.00495	.00024	.013	.00226	.00464	.0058	.0124	.00014	.00024	.00033
%RSD	3.6927	18.776	.02726	182.22	259.97	.27604	.27604	78.077	.02728	22.381
#1	.13053	.00111	46.985	-.00036	-.00150	2.0971	4.4877	.00008	.88889	-.00173
#2	.13753	.00146	46.967	.00283	.00506	2.0889	4.4702	.00028	.88923	-.00126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**-.00002**	**-.00607**	**.00112**	**.00431**	**.00231**
Stddev	.00012	.00029	.01465	.00045	.00017	.00109
%RSD	30.902	1186.7	241.14	40.390	4.0146	47.216
#1	-.00029	.00018	.00428	.00080	.00418	.00308
#2	-.00046	-.00023	-.01643	.00144	.00443	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7814.7**	**98623.**	**8505.3**
Stddev	2.7	82.	29.0
%RSD	.03471	.08320	.34073
#1	7816.6	98681.	8484.9
#2	7812.8	98565.	8525.8

Sample Name: 280-48832-a-3-a Acquired: 11/8/2013 19:28:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.72469**	**-.00015**	**.02530**	**.02394**	**.00016**	**-.00242**	**.70193**	**.00009**	**-.00008**
Stddev	.00013	.00257	.00032	.00073	.00017	.00007	.00214	.00114	.00004	.00019
%RSD	68.354	.35505	212.62	2.8880	.70785	42.069	88.443	.16238	40.384	255.39
#1	-.00029	.72287	.00008	.02581	.02382	.00011	-.00393	.70274	.00011	-.00021
#2	-.00010	.72650	-.00038	.02478	.02406	.00021	-.00091	.70112	.00006	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00107**	**.00085**	**.35729**	**.76356**	**.00004**	**.99035**	**.01110**	**.00010**	**5.6277**	**.00044**
Stddev	.00005	.00037	.00310	.04411	.00099	.00225	.00018	.00003	.0113	.00022
%RSD	4.2436	43.185	.86804	5.7771	2602.0	.22703	1.6012	29.208	.20026	51.329
#1	.00110	.00059	.35510	.79475	-.00066	.99194	.01122	.00008	5.6197	.00060
#2	.00104	.00111	.35949	.73236	.00074	.98876	.01097	.00012	5.6356	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01389**	**.00104**	**.64266**	**.00000**	**.00083**	**3.3572**	**7.1844**	**.00159**	**.00865**	**.00016**
Stddev	.00061	.00066	.00458	.00196	.00078	.0149	.0319	.00086	.00011	.00164
%RSD	4.4184	63.415	.71243	43035.	93.514	.44436	.44436	53.860	1.2146	1009.2
#1	.01346	.00057	.63942	.00139	.00138	3.3678	7.2070	.00099	.00858	.00132
#2	.01432	.00150	.64590	-.00138	.00028	3.3467	7.1619	.00220	.00873	-.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01028**	**.00082**	**.00003**	**.00069**	**.00515**	**.00082**
Stddev	.00037	.00119	.02934	.00021	.00031	.00265
%RSD	3.6013	145.92	112030.	30.153	6.1068	321.80
#1	.01054	.00166	-.02072	.00083	.00537	-.00105
#2	.01001	-.00003	.02077	.00054	.00493	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8142.0**	**103860.**	**8398.5**
Stddev	6.2	95.	1.9
%RSD	.07634	.09112	.02210
#1	8137.6	103800.	8399.8
#2	8146.4	103930.	8397.2

Sample Name: 280-48832-a-4-a Acquired: 11/8/2013 19:30:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.02443**	**.00302**	**.01588**	**.01153**	**.00007**	**.00025**	**.35952**	**.00011**	**-.00007**
Stddev	.00005	.00000	.00008	.00025	.00044	.00001	.00085	.00160	.00009	.00008
%RSD	20.693	.01638	2.6540	1.5453	3.7852	10.267	340.08	.44414	84.804	103.42
#1	-.00029	.02443	.00307	.01571	.01184	.00008	-.00035	.35839	.00004	-.00013
#2	-.00022	.02443	.00296	.01606	.01122	.00007	.00085	.36065	.00017	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00001**	**.01118**	**.37006**	**-.00097**	**.48238**	**.00266**	**.00009**	**1.2557**	**.00037**
Stddev	.00008	.00029	.00350	.01362	.00022	.00244	.00007	.00027	.0281	.00028
%RSD	65.186	4610.7	31.282	3.6793	22.618	.50647	2.5736	305.53	2.2369	75.930
#1	.00007	.00021	.01366	.37969	-.00081	.48411	.00261	.00028	1.2756	.00017
#2	.00019	-.00020	.00871	.36044	-.00112	.48066	.00271	-.00010	1.2358	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.00103**	**.47770**	**.00053**	**.00041**	**2.1971**	**4.7018**	**.00017**	**.00417**	**.00148**
Stddev	.00167	.00057	.00654	.00073	.00156	.0256	.0549	.00007	.00008	.00032
%RSD	116.42	55.088	1.3698	138.92	383.07	1.1676	1.1676	43.417	1.8703	21.675
#1	.00261	.00143	.47307	.00001	.00151	2.1790	4.6630	.00011	.00412	.00126
#2	.00025	.00063	.48233	.00105	-.00070	2.2152	4.7406	.00022	.00423	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00009**	**.02287**	**.00005**	**.00406**	**.00169**
Stddev	.00026	.00069	.05596	.00075	.00007	.00071
%RSD	43.052	777.96	244.65	1513.6	1.7375	41.916
#1	.00042	-.00040	.06244	.00058	.00401	.00219
#2	.00080	.00058	-.01670	-.00048	.00410	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8097.4**	**103420.**	**8422.8**
Stddev	6.3	425.	93.7
%RSD	.07822	.41070	1.1120
#1	8092.9	103720.	8356.6
#2	8101.8	103120.	8489.1

Sample Name: 280-48832-a-5-a Acquired: 11/8/2013 19:32:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.41632**	**.00265**	**.45563**	**.02291**	**.00009**	**-.00199**	**44.701**	**.00000**	**-.00006**
Stddev	.00072	.00032	.00091	.00174	.00045	.00004	.00108	.022	.00001	.00025
%RSD	211.00	.07724	34.297	.38083	1.9668	44.528	54.425	.05012	217.14	410.88
#1	.00017	.41655	.00201	.45440	.02259	.00006	-.00123	44.717	.00001	.00012
#2	-.00085	.41609	.00329	.45686	.02322	.00011	-.00276	44.685	.00000	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00085**	**.04733**	**1.7204**	**.00115**	**4.0222**	**.13207**	**.00031**	**8.1032**	**.00046**
Stddev	.00002	.00056	.00115	.0092	.00334	.0023	.00008	.00019	.0146	.00042
%RSD	3.5328	66.011	2.4245	.53449	291.73	.05768	.05708	63.325	.18066	91.629
#1	.00057	.00045	.04814	1.7139	-.00122	4.0206	.13213	.00017	8.0928	.00016
#2	.00060	.00124	.04652	1.7269	.00351	4.0239	.13202	.00044	8.1135	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00999**	**.00062**	**22.046**	**.00030**	**-.00106**	**1.1696**	**2.5030**	**.00011**	**.15060**	**.00101**
Stddev	.00018	.00073	.042	.00028	.00158	.0183	.0391	.00007	.00019	.00090
%RSD	1.7761	118.01	.18844	93.151	149.48	1.5620	1.5620	66.707	.12581	89.270
#1	.01012	.00113	22.075	.00050	-.00217	1.1825	2.5306	.00006	.15074	.00165
#2	.00986	.00010	22.017	.00010	.00006	1.1567	2.4753	.00016	.15047	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00531**	**-.00027**	**-.03503**	**-.00013**	**.00338**	**.00091**
Stddev	.00011	.00103	.01812	.00020	.00037	.00040
%RSD	2.0106	382.02	51.730	153.83	10.843	43.332
#1	.00524	.00046	-.04784	.00001	.00364	.00119
#2	.00539	-.00099	-.02221	-.00027	.00313	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7870.8**	**100510.**	**8191.4**
Stddev	15.3	21.	34.3
%RSD	.19473	.02084	.41897
#1	7881.6	100530.	8167.1
#2	7860.0	100500.	8215.7

Sample Name: 280-48832-a-6-a Acquired: 11/8/2013 19:35:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.73033**	**.00519**	**8.7948**	**.05396**	**.00010**	**-.00112**	**128.55**	**.00073**	**.00145**
Stddev	.00022	.00112	.00286	.0041	.00047	.00011	.00203	.04	.00022	.00023
%RSD	39.288	.15268	55.164	.04711	.87956	114.84	180.89	.03375	30.659	15.574
#1	-.00041	.73112	.00317	8.7978	.05362	.00002	-.00256	128.52	.00057	.00161
#2	-.00073	.72955	.00722	8.7919	.05429	.00018	.00031	128.58	.00089	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00285**	**5.7580**	**63.743**	**.00409**	**35.518**	**1.1136**	**.00556**	**181.64**	**.00349**
Stddev	.00010	.00006	.0055	.146	.00138	.014	.0003	.00047	.21	.00017
%RSD	25.762	2.1339	.09465	.22894	33.631	.03971	.02519	8.5300	.11763	4.9444
#1	.00032	.00289	5.7541	63.639	.00312	35.508	1.1134	.00523	181.80	.00337
#2	.00046	.00281	5.7619	63.846	.00506	35.528	1.1138	.00590	181.49	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12025**	**.00204**	**102.18**	**.00033**	**-.00318**	**.88247**	**1.8885**	**.00024**	**.67736**	**-.00053**
Stddev	.00272	.00069	.07	.00044	.00166	.00545	.0117	.00100	.00158	.00334
%RSD	2.2589	33.589	.07281	133.22	52.100	.61804	.61804	421.95	.23306	630.38
#1	.11833	.00253	102.13	.00002	-.00201	.87862	1.8802	.00094	.67624	.00183
#2	.12217	.00156	102.24	.00064	-.00435	.88633	1.8967	-.00047	.67848	-.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00160**	**-.00473**	**.00205**	**.00407**	**.00187**
Stddev	.00018	.00069	.02315	.00022	.00027	.00023
%RSD	192.83	43.192	489.25	10.650	6.7361	12.326
#1	-.00022	.00111	-.02110	.00189	.00388	.00203
#2	.00003	.00209	.01164	.00220	.00426	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7834.4**	**98343.**	**8472.3**
Stddev	.1	25.	24.5
%RSD	.00158	.02569	.28860
#1	7834.5	98325.	8489.6
#2	7834.3	98360.	8455.0

Sample Name: 280-48832-a-7-a Acquired: 11/8/2013 19:37:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199652 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.36845**	**.00950**	**6.3881**	**.34183**	**.00013**	**-.00653**	**229.41**	**.00051**	**.00036**
Stddev	.00045	.00112	.00558	.0046	.00142	.00005	.00142	2.61	.00007	.00006
%RSD	108.23	.30312	58.713	.07244	.41588	40.041	21.696	1.1393	12.874	17.036
#1	-.00010	.36924	.00556	6.3848	.34083	.00009	-.00753	227.56	.00047	.00040
#2	-.00073	.36766	.01345	6.3913	.34284	.00017	-.00553	231.26	.00056	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00578**	**.00157**	**27.099**	**79.609**	**.00680**	**61.989**	**1.2990**	**.00212**	**230.48**	**.00176**
Stddev	.00012	.00011	.060	.118	.00028	.055	.0012	.00006	.34	.00014
%RSD	2.1559	7.1484	.22062	.14809	4.1041	.08797	.09212	3.0638	.14966	8.0250
#1	.00587	.00149	27.056	79.525	.00699	61.951	1.2999	.00207	230.72	.00166
#2	.00569	.00165	27.141	79.692	.00660	62.028	1.2982	.00216	230.24	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23681**	**.00021**	**29.655**	**-.00147**	**.00155**	**2.7355**	**5.8541**	**.00048**	**1.7410**	**.00006**
Stddev	.00237	.00130	.048	.00137	.00340	.0226	.0483	.00029	.0063	.00192
%RSD	1.0008	617.43	.16023	92.695	218.57	.82476	.82476	60.766	.36251	3001.9
#1	.23514	-.00071	29.622	-.00051	.00396	2.7196	5.8199	.00028	1.7365	.00142
#2	.23849	.00113	29.689	-.00244	-.00085	2.7515	5.8882	.00069	1.7454	-.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00360**	**.00091**	**.00155**	**.00285**	**.00387**	**.00369**
Stddev	.00004	.00030	.02058	.00018	.00034	.00179
%RSD	1.1028	32.686	1324.8	6.1783	8.7030	48.527
#1	.00363	.00112	-.01300	.00273	.00411	.00242
#2	.00357	.00070	.01610	.00297	.00363	.00495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7561.3**	**94447.**	**8266.2**
Stddev	12.4	231.	88.7
%RSD	.16390	.24490	1.0724
#1	7570.0	94611.	8203.5
#2	7552.5	94284.	8328.9

Sample Name: CCVH-2357613 Acquired: 11/8/2013 19:39:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**51.266**	**.00364**	**.02711**	**.00004**	**.00011**	**.98834**	**.03910**	**.00007**	**-.00070**	**-.00036**	**.00666**	**48.572**
Stddev	.00020	.045	.00212	.00218	.00023	.00014	.00207	.00332	.00015	.00022	.00023	.00036	.337
%RSD	6.1194	.08752	58.186	8.0538	599.78	125.18	.20943	8.5036	219.48	31.699	64.147	5.3414	.69448
#1	.00338	51.297	.00513	.02865	.00020	.00001	.98980	.04145	.00018	-.00055	-.00052	.00641	48.810
#2	.00310	51.234	.00214	.02556	-.00012	.00021	.98688	.03675	-.00004	-.00086	-.00020	.00691	48.333
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26506**	**.00021**	**.08672**	**.00049**	**-.00027**	**256.49**	**.00035**	**.00959**	**-.00008**	**4.9516**	**.00205**	**-.00103**	**.03819**
Stddev	.00466	.00000	.00267	.00001	.00021	.22	.00023	.00218	.00064	.0327	.00247	.00068	.02066
%RSD	1.7586	1.2385	3.0733	1.8412	78.530	.08696	65.649	22.721	820.25	.66090	120.15	65.288	54.096
#1	.26177	.00021	.08483	.00049	-.00042	256.65	.00019	.01114	.00037	4.9747	.00380	-.00151	.05279
#2	.26836	.00020	.08860	.00048	-.00012	256.33	.00052	.00805	-.00053	4.9284	.00031	-.00056	.02358
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08172**	**.00028**	**.00064**	**4.8733**	**-.00464**	**.00141**	**10.283**	**.00130**	**.00169**	**.01213**
Stddev	.04421	.00029	.00005	.0051	.00000	.00153	.037	.00021	.00020	.00021
%RSD	54.096	104.66	7.5062	.10375	.01609	107.95	.35573	16.229	11.969	1.7502
#1	.11297	.00007	.00060	4.8769	-.00464	.00249	10.257	.00115	.00154	.01228
#2	.05046	.00048	.00067	4.8697	-.00463	.00033	10.309	.00145	.00183	.01198
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7669.4**	**94727.**	**8037.9**
Stddev	5.5	185.	3.5
%RSD	.07205	.19546	.04357
#1	7665.5	94596.	8040.4
#2	7673.3	94858.	8035.5

Sample Name: CCV-2357614 Acquired: 11/8/2013 19:41:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49818**	**.52111**	**.98668**	**.51190**	**.50852**	**.50250**	**.00193**	**5.0599**	**.50276**	**.50792**	**.49709**	**.51191**	**2.4171**
Stddev	.00003	.00599	.00416	.00382	.00117	.00159	.00050	.0220	.00252	.00256	.00322	.00004	.0117
%RSD	.00672	1.1489	.42153	.74664	.23001	.31632	25.913	.43538	.50035	.50348	.64861	.00775	.48472
#1	.49816	.51688	.98374	.50920	.50769	.50362	.00157	5.0755	.50098	.50611	.49481	.51188	2.4254
#2	.49821	.52535	.98962	.51461	.50934	.50137	.00228	5.0443	.50454	.50972	.49937	.51194	2.4088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.356**	**1.0128**	**19.720**	**.50445**	**.49765**	**5.4155**	**.50478**	**.98716**	**1.0212**	**.00938**	**1.0212**	**.99090**	**4.9521**
Stddev	.097	.0019	.017	.00050	.00266	.0374	.00230	.00573	.0049	.00042	.0099	.00679	.0110
%RSD	.18892	.18798	.08510	.09895	.53445	.68983	.45547	.57996	.47549	4.4602	.96570	.68491	.22275
#1	51.425	1.0114	19.709	.50410	.49577	5.4419	.50316	.98311	1.0177	.00908	1.0142	.98610	4.9443
#2	51.287	1.0141	19.732	.50480	.49953	5.3891	.50641	.99121	1.0246	.00967	1.0282	.99570	4.9599
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.598**	**.99853**	**.50429**	**-.00312**	**.51082**	**1.0381**	**.01543**	**.50755**	**.49931**	**.50564**
Stddev	.024	.00933	.00033	.00067	.00052	.0053	.00445	.00227	.00066	.00196
%RSD	.22275	.93410	.06544	21.447	.10161	.50996	28.835	.44671	.13195	.38744
#1	10.581	.99194	.50452	-.00265	.51119	1.0344	.01858	.50915	.49977	.50702
#2	10.614	1.0051	.50406	-.00360	.51045	1.0419	.01229	.50595	.49884	.50425
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8092.9**	**101180.**	**8211.2**
Stddev	38.7	306.	135.6
%RSD	.47803	.30229	1.6516
#1	8120.2	100960.	8115.4
#2	8065.5	101400.	8307.1

Sample Name: CCB Acquired: 11/8/2013 19:44:03 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00257**	**.00206**	F **.01011**	**.00035**	**.00019**	**.00185**	**.00820**	**.00018**	**-.00025**	**.00015**	**-.00018**
Stddev	.00045	.00069	.00012	.00014	.00026	.00015	.00267	.00405	.00030	.00000	.00014	.00023
%RSD	197.62	26.752	6.0100	1.3830	75.029	79.050	143.87	49.351	168.07	.58185	95.086	122.50
#1	-.00055	.00305	.00215	.01021	.00016	.00030	.00374	.00534	.00039	-.00025	.00024	-.00002
#2	.00009	.00208	.00197	.01001	.00053	.00009	-.00003	.01106	-.00003	-.00024	.00005	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00632**	**.10542**	**.00036**	**.00395**	**.00016**	**.00044**	W **.10910**	**-.00020**	**.00284**	**.00056**	**.00583**	F **.00803**
Stddev	.00393	.02733	.00086	.00028	.00004	.00044	.02512	.00004	.00129	.00025	.00241	.00114
%RSD	62.141	25.928	240.32	7.0318	22.428	98.383	23.021	20.673	45.395	44.076	41.356	14.177
#1	.00354	.12475	-.00025	.00376	.00013	.00014	.09134	-.00017	.00376	.00073	.00754	.00723
#2	.00909	.08609	.00096	.00415	.00018	.00075	.12687	-.00023	.00193	.00038	.00413	.00884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00617**	**.01320**	**.00007**	**.00022**	**.00142**	**.00026**	**.00088**	**-.00701**	**-.00025**	**.00300**	**-.00124**
Stddev	.00110	.00194	.00415	.00014	.00009	.00013	.00011	.00095	.03581	.00030	.00003	.00032
%RSD	215.41	31.420	31.420	205.49	40.995	9.0390	42.566	108.87	510.79	120.07	.90085	25.476
#1	.00129	.00754	.01613	.00017	.00016	.00133	.00034	.00020	.01831	-.00004	.00298	-.00147
#2	-.00027	.00480	.01026	-.00003	.00029	.00151	.00018	.00155	-.03234	-.00045	.00302	-.00102
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8057.8**	**101890.**	**8221.5**
Stddev	13.5	54.	2.2
%RSD	.16734	.05271	.02685
#1	8048.2	101930.	8219.9
#2	8067.3	101850.	8223.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 19:46:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.10897**	**.01239**	**.10478**	**.01017**	**.00109**	**.12237**	**.21116**	**.00533**	**.01049**	**.01038**	**.01524**	**.10270**	**3.1418**
Stddev	.00013	.00043	.00178	.00023	.00005	.00004	.00294	.00152	.00016	.00014	.00002	.00034	.00034	.0008
%RSD	1.2461	.39835	14.392	.22203	.50016	4.0928	2.4029	.72156	2.9632	1.3597	.18729	2.2415	.32870	.02568
#1	.01040	.10928	.01365	.10495	.01021	.00113	.12445	.21224	.00522	.01059	.01039	.01548	.10246	3.1423
#2	.01022	.10866	.01113	.10462	.01014	.00106	.12029	.21008	.00544	.01039	.01037	.01500	.10294	3.1412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00863**	**.20521**	**.01044**	**.01995**	**1.1407**	**.04219**	**2.8614**	**.01030**	**.00712**	**.01183**	**.01693**	**.49412**	**1.0574**	**.10227**
Stddev	.00055	.00390	.00002	.00037	.0169	.00033	.0024	.00204	.00181	.00015	.00029	.00602	.0129	.00085
%RSD	6.3915	1.9016	.16003	1.8535	1.4834	.77844	.08288	19.784	25.369	1.2900	1.7151	1.2187	1.2187	.82642
#1	.00824	.20245	.01042	.02021	1.1288	.04196	2.8597	.00886	.00840	.01194	.01673	.49837	1.0665	.10167
#2	.00902	.20797	.01045	.01969	1.1527	.04242	2.8631	.01174	.00585	.01173	.01714	.48986	1.0483	.10286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.01412**	**.01026**	**.01739**	**.05371**	**.00982**	**.02369**	**.01582**
Stddev	.00006	.00131	.00027	.00070	.05400	.00031	.00028	.00320
%RSD	.58623	9.3101	2.6510	4.0383	100.53	3.1797	1.1722	20.255
#1	.01026	.01319	.01007	.01789	.01553	.00960	.02388	.01355
#2	.01018	.01505	.01045	.01689	.09190	.01004	.02349	.01809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**102710.**	**8251.1**
Stddev	19.1	622.	48.7
%RSD	.23681	.60545	.59035
#1	8084.7	103150.	8285.6
#2	8057.7	102270.	8216.7

Sample Name: mb 280-199600/1-a Acquired: 11/8/2013 19:48:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00839**	**.00156**	**.01452**	**.00039**	**.00012**	**-.00091**	**.04102**	**.00019**	**-.00010**
Stddev	.00003	.00025	.00159	.00082	.00013	.00005	.00071	.00161	.00017	.00014
%RSD	11.908	2.9453	102.02	5.6610	32.640	44.315	78.705	3.9183	89.537	148.30
#1	-.00026	.00821	.00268	.01510	.00048	.00008	-.00141	.03989	.00031	.00000
#2	-.00031	.00856	.00043	.01394	.00030	.00015	-.00040	.04216	.00007	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00014**	**.01301**	**.10880**	**-.00055**	**.00701**	**.00026**	**.00023**	**.11442**	**.00015**
Stddev	.00006	.00013	.00051	.05368	.00111	.00265	.00002	.00004	.00296	.00034
%RSD	16.298	97.107	3.9041	49.336	202.81	37.808	8.6714	15.505	2.5890	234.52
#1	.00031	.00023	.01337	.14676	-.00133	.00889	.00028	.00025	.11652	.00039
#2	.00039	.00004	.01265	.07085	.00024	.00514	.00025	.00020	.11233	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00307**	**.00015**	**.01397**	**.00062**	**-.00017**	**.04660**	**.09972**	**.00338**	**.00013**	**.00114**
Stddev	.00074	.00022	.00143	.00090	.00069	.00587	.01256	.00006	.00008	.00001
%RSD	24.092	148.87	10.216	146.44	418.55	12.596	12.596	1.8486	59.261	.45747
#1	.00254	-.00001	.01498	-.00002	.00033	.05075	.10860	.00342	.00018	.00114
#2	.00359	.00030	.01296	.00125	-.00066	.04245	.09084	.00334	.00008	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00075**	**-.04016**	**-.00038**	**.00453**	**.00084**
Stddev	.00025	.00114	.01077	.00038	.00012	.00144
%RSD	64.763	150.78	26.822	100.80	2.5576	172.60
#1	.00057	-.00156	-.04778	-.00011	.00461	-.00018
#2	.00021	.00005	-.03254	-.00065	.00445	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8165.4**	**104290.**	**8473.7**
Stddev	1.3	220.	86.8
%RSD	.01634	.21082	1.0246
#1	8164.5	104450.	8412.4
#2	8166.3	104130.	8535.1

Sample Name: lcs 280-199600/2-a Acquired: 11/8/2013 19:50:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04564**	**1.9590**	**.95154**	F **1.1336**	**1.9879**	**.04860**	**2.1788**	**48.035**	**.10054**	**.48212**
Stddev	.00017	.0024	.00158	.0002	.0022	.00021	.0033	.053	.00025	.00003
%RSD	.38062	.12521	.16631	.01467	.11124	.43213	.15289	.11074	.24791	.00577
#1	.04552	1.9572	.95266	1.1337	1.9894	.04845	2.1811	48.072	.10037	.48214
#2	.04576	1.9607	.95042	1.1335	1.9863	.04875	2.1764	47.997	.10072	.48210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19478**	**.25118**	**.95072**	**50.105**	**.98346**	**46.983**	**.48306**	**.97479**	**52.004**	**.47937**
Stddev	.00042	.00000	.00602	.064	.00348	.080	.00099	.00379	.615	.00067
%RSD	.21390	.00065	.63279	.12693	.35346	.16925	.20391	.38898	1.1819	.13911
#1	.19507	.25118	.94646	50.060	.98592	46.927	.48237	.97747	51.569	.47985
#2	.19448	.25118	.95497	50.150	.98100	47.039	.48376	.97211	52.439	.47890
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6284**	**.47875**	**.01027**	**.48437**	**1.8804**	**1.6986**	**3.6349**	**1.9235**	**.98321**	**.97680**
Stddev	.0137	.00065	.00068	.00166	.0021	.0032	.0069	.0036	.00050	.00339
%RSD	.14188	.13616	6.6267	.34212	.11322	.19057	.19057	.18860	.05113	.34754
#1	9.6381	.47829	.00979	.48554	1.8789	1.7008	3.6398	1.9209	.98356	.97440
#2	9.6188	.47921	.01075	.48319	1.8819	1.6963	3.6300	1.9260	.98285	.97920
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99722**	**1.9103**	**2.0927**	**.49593**	**.47551**	**.50074**
Stddev	.00053	.0021	.0029	.00178	.00193	.00415
%RSD	.05298	.11202	.14073	.35925	.40487	.82844
#1	.99685	1.9088	2.0906	.49467	.47414	.49780
#2	.99759	1.9118	2.0948	.49719	.47687	.50367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7773.1**	**97973.**	**8258.5**
Stddev	8.9	115.	37.0
%RSD	.11464	.11742	.44845
#1	7779.4	97892.	8284.7
#2	7766.8	98054.	8232.3

Sample Name: 280-48651-a-1-a Acquired: 11/8/2013 19:53:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**67.359**	**.00245**	**.02304**	**.17134**	**.00211**	**-.01446**	**4.7360**	**.00207**	**.02499**
Stddev	.00022	.177	.00131	.00031	.00075	.00016	.00306	.0059	.00004	.00027
%RSD	46.946	.26272	53.501	1.3309	.44057	7.7232	21.134	.12473	2.0112	1.0724
#1	-.00061	67.234	.00338	.02325	.17187	.00200	-.01230	4.7402	.00210	.02480
#2	-.00031	67.484	.00152	.02282	.17080	.00223	-.01662	4.7318	.00204	.02518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06130**	**.04483**	**70.229**	**7.5516**	**.12533**	**20.052**	**.57288**	**.00116**	**.24534**	**.08238**
Stddev	.00053	.00011	.146	.0149	.00034	.010	.00047	.00004	.01619	.00090
%RSD	.86560	.23584	.20735	.19728	.27170	.04766	.08228	3.5521	6.5992	1.0977
#1	.06092	.04476	70.126	7.5621	.12509	20.046	.57255	.00119	.25679	.08174
#2	.06167	.04491	70.332	7.5410	.12558	20.059	.57322	.00113	.23390	.08302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0630**	**.05702**	**.72944**	**.00249**	**.00258**	**2.9604**	**6.3353**	**.00570**	**.02286**	**.01625**
Stddev	.0205	.00142	.00441	.00044	.00189	.0310	.0664	.00003	.00018	.00103
%RSD	.99316	2.4978	.60479	17.681	73.365	1.0481	1.0481	.49366	.78117	6.3246
#1	2.0485	.05601	.72632	.00217	.00392	2.9385	6.2883	.00572	.02274	.01553
#2	2.0774	.05803	.73256	.00280	.00124	2.9823	6.3822	.00568	.02299	.01698
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31144**	**-.00020**	**-.04908**	**.07976**	**.92646**	**.00997**
Stddev	.00120	.00014	.03115	.00082	.00323	.00044
%RSD	.38449	65.938	63.464	1.0325	.34878	4.4503
#1	.31060	-.00011	-.02705	.07918	.92875	.00966
#2	.31229	-.00030	-.07110	.08034	.92418	.01029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.7**	**102920.**	**8716.2**
Stddev	25.0	61.	17.9
%RSD	.29858	.05915	.20530
#1	8348.0	102960.	8703.5
#2	8383.3	102880.	8728.8

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/8/2013 19:55:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**14.004**	**.00172**	**.00952**	**.03558**	**.00049**	**-.00176**	**1.0054**	**.00075**	**.00514**
Stddev	.00019	.011	.00100	.00004	.00024	.00007	.00038	.0016	.00003	.00006
%RSD	89.900	.07805	57.824	.42798	.68803	14.249	21.413	.15487	3.8238	1.2011
#1	-.00034	13.996	.00242	.00949	.03541	.00054	-.00149	1.0043	.00077	.00518
#2	-.00008	14.012	.00102	.00955	.03575	.00044	-.00203	1.0065	.00073	.00509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01264**	**.00918**	**13.624**	**1.5508**	**.02777**	**4.0948**	**.11732**	**.00042**	**.07376**	**.01708**
Stddev	.00008	.00001	.009	.0042	.00011	.0226	.00017	.00016	.01352	.00003
%RSD	.60552	.11173	.06917	.27166	.39001	.55213	.14276	38.433	18.329	.18792
#1	.01258	.00919	13.617	1.5538	.02769	4.1107	.11720	.00054	.06420	.01710
#2	.01269	.00918	13.630	1.5479	.02785	4.0788	.11744	.00031	.08332	.01706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42283**	**.01294**	**.15422**	**.00055**	**.00157**	**.66516**	**1.4234**	**.00365**	**.00482**	**.00282**
Stddev	.00119	.00035	.00293	.00313	.00408	.00158	.0034	.00110	.00014	.00032
%RSD	.28255	2.7046	1.8978	570.11	259.67	.23798	.23798	30.186	3.0074	11.470
#1	.42199	.01270	.15215	-.00167	.00445	.66628	1.4258	.00287	.00472	.00259
#2	.42368	.01319	.15629	.00277	-.00131	.66404	1.4210	.00443	.00492	.00305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06442**	**-.00032**	**-.01920**	**.01622**	**.19419**	**.00288**
Stddev	.00444	.00084	.02719	.00045	.00232	.00099
%RSD	6.8885	259.74	141.62	2.8041	1.1959	34.246
#1	.06128	.00027	.00003	.01590	.19583	.00218
#2	.06756	-.00092	-.03842	.01654	.19255	.00358
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8198.9**	**101970.**	**8376.3**
Stddev	23.8	79.	16.4
%RSD	.29023	.07734	.19568
#1	8215.8	102020.	8364.7
#2	8182.1	101910.	8387.9

Sample Name: 280-48651-a-1-b ms Acquired: 11/8/2013 19:57:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04590**	**112.22**	**.92208**	**.93737**	**2.1946**	**.04964**	F **2.0778**	**51.156**	**.09891**	**.48645**
Stddev	.00060	.16	.00100	.00116	.0019	.00005	.0040	.041	.00007	.00084
%RSD	1.2987	.14450	.10828	.12322	.08551	.10784	.19079	.07986	.06590	.17295
#1	.04632	112.34	.92279	.93655	2.1933	.04961	2.0806	51.185	.09896	.48705
#2	.04548	112.11	.92138	.93818	2.1960	.04968	2.0750	51.127	.09887	.48586
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28127**	**.29530**	**78.663**	**69.085**	**1.1030**	**70.828**	**1.0676**	**.91252**	**50.870**	**.54273**
Stddev	.00069	.00090	.077	.118	.0026	.126	.0015	.00044	.024	.00076
%RSD	.24408	.30389	.09804	.17010	.23253	.17814	.14304	.04841	.04799	.13939
#1	.28079	.29594	78.608	69.168	1.1012	70.917	1.0687	.91221	50.852	.54219
#2	.28176	.29467	78.717	69.002	1.1048	70.739	1.0665	.91284	50.887	.54326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.081**	**.49740**	**.88250**	**.27111**	**1.7918**	**7.3074**	**15.638**	**1.7542**	**.99333**	**.91709**
Stddev	.014	.00024	.00224	.00171	.0045	.1665	.356	.0039	.00098	.00395
%RSD	.12681	.04906	.25434	.63160	.24951	2.2781	2.2781	.22160	.09874	.43099
#1	11.071	.49757	.88408	.26990	1.7886	7.4252	15.890	1.7514	.99264	.91989
#2	11.091	.49723	.88091	.27232	1.7949	7.1897	15.386	1.7569	.99403	.91430
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4872**	**1.7811**	**1.9931**	**.64365**	**1.3459**	**.40903**
Stddev	.0036	.0038	.0064	.00073	.0038	.00211
%RSD	.24412	.21265	.32263	.11275	.27962	.51486
#1	1.4847	1.7784	1.9886	.64416	1.3486	.41051
#2	1.4898	1.7837	1.9977	.64314	1.3433	.40754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8097.1**	**99053.**	**8552.0**
Stddev	8.7	270.	50.4
%RSD	.10703	.27247	.58905
#1	8103.2	98862.	8516.4
#2	8091.0	99243.	8587.6

Sample Name: 280-48651-a-1-c msd Acquired: 11/8/2013 19:59:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04507**	**101.38**	**.91013**	**.93450**	**2.1561**	**.04910**	F **2.0551**	**50.409**	**.09789**	**.47922**
Stddev	.00029	.28	.00070	.00139	.0007	.00005	.0026	.031	.00028	.00009
%RSD	.64033	.27290	.07745	.14869	.03178	.09529	.12540	.06052	.29099	.01954
#1	.04527	101.18	.91063	.93548	2.1557	.04914	2.0569	50.387	.09809	.47929
#2	.04486	101.57	.90963	.93352	2.1566	.04907	2.0533	50.431	.09769	.47916
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27030**	**.28486**	**66.213**	**66.874**	**1.0913**	**67.544**	**.99184**	**.91299**	**50.028**	**.52590**
Stddev	.00005	.00119	.042	.303	.0022	.126	.00118	.00248	.130	.00086
%RSD	.01953	.41610	.06310	.45367	.19925	.18631	.11913	.27214	.26052	.16416
#1	.27033	.28402	66.242	66.659	1.0928	67.455	.99101	.91475	49.936	.52529
#2	.27026	.28569	66.183	67.088	1.0898	67.633	.99268	.91123	50.120	.52651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.694**	**.47820**	**.80950**	**.27481**	**1.7785**	**6.8725**	**14.707**	**1.7467**	**.98362**	**.91032**
Stddev	.001	.00087	.00081	.00171	.0007	.0596	.128	.0020	.00102	.00158
%RSD	.01232	.18194	.10036	.62149	.03707	.86739	.86739	.11208	.10332	.17393
#1	10.693	.47759	.81008	.27360	1.7780	6.9146	14.797	1.7453	.98290	.91144
#2	10.695	.47882	.80893	.27602	1.7789	6.8303	14.617	1.7481	.98434	.90920
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4773**	**1.7681**	**1.9227**	**.62017**	**1.1961**	**.42193**
Stddev	.0178	.0013	.0281	.00053	.0004	.00247
%RSD	1.2028	.07493	1.4614	.08562	.03091	.58610
#1	1.4898	1.7672	1.9028	.61980	1.1958	.42019
#2	1.4647	1.7691	1.9426	.62055	1.1964	.42368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8161.2**	**99685.**	**8553.3**
Stddev	8.2	198.	46.8
%RSD	.10061	.19870	.54676
#1	8167.0	99825.	8586.4
#2	8155.4	99545.	8520.2

Sample Name: 280-48651-a-1-aPDS Acquired: 11/8/2013 20:01:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04801**	**67.430**	**.18995**	**.11121**	**.26571**	**.04935**	**-.01524**	**23.695**	**.05033**	**.07230**
Stddev	.00045	.432	.00194	.00074	.00172	.00031	.00317	.167	.00004	.00010
%RSD	.93411	.64120	1.0221	.66106	.64823	.61826	20.824	.70465	.08419	.13726
#1	.04833	67.124	.18858	.11173	.26449	.04914	-.01749	23.577	.05030	.07223
#2	.04770	67.735	.19132	.11069	.26693	.04957	-.01300	23.813	.05036	.07237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10791**	**.09417**	**69.323**	**27.113**	**.21692**	**38.314**	**.60727**	**.04680**	**20.599**	**.12791**
Stddev	.00021	.00030	.465	.152	.00044	.095	.00059	.00012	.265	.00082
%RSD	.19555	.32341	.67101	.55929	.20317	.24882	.09744	.26435	1.2876	.63991
#1	.10806	.09395	68.994	27.005	.21661	38.246	.60685	.04671	20.412	.12849
#2	.10776	.09438	69.652	27.220	.21723	38.381	.60768	.04688	20.787	.12733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9190**	**.15083**	**.72909**	**.09496**	**.18172**	**7.6834**	**16.442**	**.09601**	**.07143**	**.21251**
Stddev	.0076	.00120	.00359	.00254	.00710	.0767	.164	.00057	.00050	.00125
%RSD	.19493	.79683	.49295	2.6752	3.9070	.99784	.99784	.59306	.69839	.58624
#1	3.9136	.14998	.73164	.09676	.18674	7.6292	16.326	.09642	.07108	.21339
#2	3.9245	.15168	.72655	.09317	.17670	7.7376	16.558	.09561	.07179	.21163
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37119**	**.18796**	**.47116**	**.12832**	**1.0974**	**.05619**
Stddev	.01494	.00199	.01012	.00074	.0003	.00179
%RSD	4.0252	1.0577	2.1480	.57459	.02644	3.1897
#1	.38176	.18936	.47832	.12884	1.0972	.05492
#2	.36063	.18655	.46401	.12780	1.0976	.05746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.6**	**101630.**	**8650.5**
Stddev	4.7	151.	65.7
%RSD	.05682	.14897	.75939
#1	8253.3	101730.	8697.0
#2	8259.9	101520.	8604.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:03:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00321**	**51.080**	**.00366**	**.00908**	**.00049**	**.00012**	**1.0001**	**.01334**	**-.00001**	**-.00091**	**-.00008**	**.00699**	**49.433**
Stddev	.00044	.063	.00061	.00029	.00050	.00005	.0066	.00360	.00013	.00019	.00005	.00037	.040
%RSD	13.780	.12417	16.559	3.2210	102.68	38.672	.65973	26.980	1404.9	20.251	68.265	5.2740	.08157
#1	.00290	51.036	.00409	.00887	.00013	.00016	1.0047	.01079	.00008	-.00105	-.00012	.00725	49.404
#2	.00353	51.125	.00324	.00929	.00085	.00009	.99538	.01588	-.00010	-.00078	-.00004	.00673	49.461
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11944**	**-.00018**	**.09411**	**.00042**	**-.00033**	**256.20**	**-.00005**	**.00284**	**.00150**	**4.9958**	**.00344**	**.00184**	**.02622**
Stddev	.00086	.00052	.00174	.00014	.00023	.17	.00009	.00228	.00055	.0134	.00317	.00304	.01639
%RSD	.72362	290.33	1.8537	31.901	69.118	.06517	184.47	80.002	36.355	.26874	92.044	165.35	62.513
#1	.11883	-.00055	.09535	.00052	-.00017	256.08	-.00011	.00445	.00189	4.9863	.00120	.00399	.03781
#2	.12005	.00019	.09288	.00033	-.00049	256.32	.00002	.00124	.00112	5.0053	.00568	-.00031	.01463
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05612**	**.00090**	**.00056**	**4.8785**	**-.00456**	**.00180**	**10.284**	**.00020**	**.00197**	**.01540**
Stddev	.03508	.00046	.00014	.0001	.00009	.00095	.026	.00053	.00031	.00201
%RSD	62.513	51.375	24.312	.00146	2.0798	52.790	.25450	260.05	15.838	13.026
#1	.08092	.00058	.00046	4.8786	-.00463	.00113	10.302	.00058	.00219	.01681
#2	.03131	.00123	.00065	4.8785	-.00450	.00247	10.265	-.00017	.00175	.01398
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7801.9**	**96477.**	**8099.7**
Stddev	16.1	29.	.5
%RSD	.20695	.02997	.00662
#1	7813.3	96457.	8100.1
#2	7790.5	96498.	8099.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:06:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49811**	**.52901**	**.98804**	**.50349**	**.50925**	**.50170**	**.00167**	**5.0484**	**.50280**	**.50955**	**.49877**	**.51283**	**2.4490**
Stddev	.00116	.00217	.00010	.00106	.00161	.00211	.00118	.0055	.00072	.00068	.00080	.00227	.0351
%RSD	.23385	.40975	.01058	.21104	.31681	.42040	70.850	.10913	.14409	.13280	.16030	.44288	1.4347
#1	.49894	.53054	.98811	.50424	.50811	.50021	.00250	5.0445	.50331	.51002	.49933	.51443	2.4241
#2	.49729	.52748	.98796	.50274	.51040	.50320	.00083	5.0523	.50229	.50907	.49820	.51122	2.4738
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.414**	**1.0154**	**19.818**	**.50671**	**.50110**	**5.3341**	**.50640**	**.98854**	**1.0310**	**.00004**	**1.0207**	**.99173**	**5.0159**
Stddev	.067	.0041	.020	.00008	.00564	.0033	.00042	.00301	.0093	.00157	.0024	.00443	.0070
%RSD	.13003	.40033	.09887	.01481	1.1258	.06120	.08234	.30459	.89940	4051.2	.23456	.44636	.13965
#1	51.367	1.0126	19.804	.50676	.50508	5.3318	.50670	.99067	1.0375	.00115	1.0224	.99486	5.0109
#2	51.461	1.0183	19.831	.50666	.49711	5.3364	.50611	.98641	1.0244	-.00107	1.0190	.98860	5.0208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.734**	**1.0028**	**.50477**	**-.00209**	**.51267**	**1.0372**	**.02215**	**.50960**	**.50516**	**.51051**
Stddev	.015	.0053	.00086	.00204	.00068	.0035	.03200	.00058	.00089	.00007
%RSD	.13965	.52812	.17095	97.713	.13289	.33686	144.47	.11417	.17699	.01401
#1	10.723	1.0065	.50416	-.00353	.51315	1.0397	.04478	.51001	.50453	.51046
#2	10.745	.99901	.50538	-.00064	.51218	1.0347	-.00048	.50919	.50580	.51056
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.4**	**99880.**	**8188.0**
Stddev	6.4	203.	56.9
%RSD	.08114	.20321	.69519
#1	7930.9	100020.	8228.2
#2	7940.0	99737.	8147.7

Sample Name: CCB Acquired: 11/8/2013 20:08:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.01085**	**.00034**	**.00391**	**.00014**	**.00019**	**.00222**	**.00122**	**.00030**	**-.00007**	**.00016**	**-.00022**	**.01023**
Stddev	.00049	.00071	.00088	.00041	.00012	.00005	.00219	.00020	.00001	.00003	.00004	.00051	.00145
%RSD	358.24	6.4957	257.15	10.404	85.938	23.802	98.651	16.385	4.1100	45.976	23.821	229.10	14.146
#1	.00021	.01135	.00096	.00362	.00005	.00022	.00377	.00136	.00029	-.00009	.00013	.00014	.01126
#2	-.00048	.01036	-.00028	.00419	.00022	.00016	.00067	.00108	.00031	-.00005	.00019	-.00058	.00921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08907**	**.00023**	**.00369**	**.00002**	**.00070**	**.04326**	**-.00010**	**.00084**	**.00172**	**.00469**	F **.00737**	**.00333**	**.03110**
Stddev	.04083	.00086	.00061	.00000	.00002	.00458	.00004	.00166	.00010	.00385	.00003	.00130	.00662
%RSD	45.846	371.32	16.553	14.625	3.0694	10.586	38.591	197.24	5.8946	82.059	.45826	39.089	21.274
#1	.11794	.00084	.00326	.00003	.00071	.04002	-.00012	.00202	.00165	.00740	.00740	.00426	.02642
#2	.06020	-.00038	.00413	.00002	.00068	.04650	-.00007	-.00033	.00179	.00197	.00735	.00241	.03577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06654**	**.00012**	**.00017**	**.00076**	**-.00007**	**.00138**	**-.00704**	**-.00026**	**.00303**	**.00038**
Stddev	.01416	.00108	.00008	.00035	.00020	.00111	.00900	.00030	.00026	.00052
%RSD	21.274	890.25	45.770	45.913	297.16	80.495	127.84	113.17	8.6794	134.91
#1	.05653	-.00064	.00011	.00051	.00007	.00217	-.01340	-.00047	.00322	.00002
#2	.07655	.00088	.00022	.00101	-.00020	.00060	-.00068	-.00005	.00284	.00075
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7953.3**	**100540.**	**7951.8**
Stddev	28.0	407.	13.1
%RSD	.35178	.40509	.16412
#1	7973.0	100260.	7961.0
#2	7933.5	100830.	7942.5

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:10:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00973**	**.11532**	**.01375**	**.10126**	**.01106**	**.00118**	**.12524**	**.22061**	**.00535**	**.01085**	**.01058**	**.01588**	**.11756**
Stddev	.00015	.00070	.00422	.00018	.00020	.00006	.00131	.00094	.00018	.00007	.00009	.00019	.00884
%RSD	1.5240	.60503	30.668	.17848	1.8329	5.4801	1.0431	.42489	3.3247	.60090	.86470	1.2120	7.5220
#1	.00984	.11581	.01077	.10139	.01091	.00113	.12432	.22127	.00547	.01090	.01052	.01575	.12381
#2	.00963	.11483	.01673	.10114	.01120	.00122	.12617	.21995	.00522	.01081	.01065	.01602	.11131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2704**	**.00980**	**.21140**	**.01059**	**.02036**	**1.1469**	**.04241**	**2.8883**	**.01066**	**.00628**	**.01096**	**.01513**	**.51894**
Stddev	.0230	.00254	.00198	.00007	.00000	.0017	.00041	.0007	.00067	.00033	.00035	.00013	.00827
%RSD	.70425	25.938	.93866	.65724	.01000	.14603	.97800	.02411	6.2963	5.1904	3.2143	.88588	1.5936
#1	3.2542	.00800	.21280	.01054	.02036	1.1481	.04271	2.8878	.01114	.00605	.01071	.01522	.52479
#2	3.2867	.01159	.21000	.01064	.02036	1.1458	.04212	2.8888	.01019	.00651	.01121	.01503	.51309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1105**	**.10425**	**.01067**	**.01574**	**.01049**	**.01675**	F **.08880**	**.00993**	**.02572**	**.01484**
Stddev	.0177	.00025	.00006	.00023	.00014	.00076	.01833	.00081	.00017	.00040
%RSD	1.5936	.23595	.55604	1.4375	1.3787	4.5226	20.647	8.1977	.66656	2.7134
#1	1.1230	.10443	.01071	.01590	.01039	.01729	.07583	.00935	.02584	.01455
#2	1.0980	.10408	.01063	.01558	.01059	.01622	.10176	.01050	.02560	.01512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7937.6**	**99882.**	**8010.3**
Stddev	9.7	104.	8.4
%RSD	.12269	.10415	.10438
#1	7930.7	99956.	8016.2
#2	7944.5	99808.	8004.4

Sample Name: 280-48651-a-2-a Acquired: 11/8/2013 20:12:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**72.295**	**.01020**	**.01996**	**.14782**	**.00249**	**-.01343**	**4.5069**	**.00074**	**.02801**
Stddev	.00040	.171	.00075	.00008	.00050	.00010	.00125	.0377	.00018	.00023
%RSD	46.912	.23602	7.3294	.39404	.33721	4.0264	9.2987	.83645	24.268	.81639
#1	-.00115	72.174	.01073	.01991	.14747	.00242	-.01431	4.5335	.00061	.02817
#2	-.00058	72.416	.00967	.02002	.14817	.00256	-.01254	4.4802	.00087	.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06585**	**.04865**	**81.811**	**7.7115**	**.12981**	**22.403**	**.61207**	**.00097**	**.32612**	**.09309**
Stddev	.00004	.00003	.054	.0534	.00102	.041	.00026	.00012	.01137	.00018
%RSD	.06072	.06663	.06627	.69199	.78314	.18187	.04245	12.369	3.4862	.19644
#1	.06588	.04867	81.849	7.7493	.13053	22.432	.61188	.00105	.33416	.09296
#2	.06583	.04862	81.772	7.6738	.12909	22.375	.61225	.00088	.31808	.09322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5171**	**.02454**	**1.0042**	**.00124**	**.00215**	**2.8735**	**6.1493**	**.00535**	**.01899**	**.02033**
Stddev	.0024	.00082	.0041	.00049	.00097	.0053	.0113	.00017	.00004	.00108
%RSD	.09339	3.3553	.41019	39.049	44.865	.18408	.18408	3.0910	.19262	5.3074
#1	2.5155	.02512	1.0012	.00090	.00147	2.8697	6.1413	.00523	.01901	.02109
#2	2.5188	.02396	1.0071	.00159	.00284	2.8772	6.1573	.00546	.01896	.01957
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41690**	**-.00016**	W **-.06724**	**.09746**	**.29627**	**.01423**
Stddev	.00586	.00053	.02844	.00002	.00032	.00201
%RSD	1.4051	334.57	42.295	.02192	.10834	14.107
#1	.41276	.00022	-.08734	.09744	.29604	.01281
#2	.42104	-.00053	-.04713	.09747	.29650	.01565
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8270.4**	**101340.**	**8509.6**
Stddev	12.6	174.	34.5
%RSD	.15249	.17172	.40522
#1	8279.3	101460.	8534.0
#2	8261.5	101210.	8485.2

Sample Name: 280-48651-a-3-a Acquired: 11/8/2013 20:15:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00109**	**47.075**	**.00712**	**.01553**	**.09196**	**.00170**	**-.01032**	**2.5566**	**.00099**	**.01622**
Stddev	.00052	.036	.00306	.00001	.00014	.00003	.00252	.0015	.00012	.00002
%RSD	47.765	.07751	42.923	.03505	.15010	1.6143	24.401	.05944	11.688	.10766
#1	-.00146	47.101	.00496	.01552	.09205	.00168	-.01210	2.5576	.00091	.01621
#2	-.00072	47.049	.00928	.01553	.09186	.00172	-.00854	2.5555	.00107	.01623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04289**	**.03605**	**50.947**	**5.9678**	**.07760**	**13.424**	**.36854**	**.00051**	**.17164**	**.05455**
Stddev	.00011	.00023	.130	.0301	.00125	.062	.00034	.00007	.00603	.00015
%RSD	.24846	.63857	.25440	.50478	1.6137	.46120	.09208	13.579	3.5145	.27086
#1	.04297	.03621	51.039	5.9891	.07671	13.381	.36830	.00056	.17590	.05466
#2	.04282	.03589	50.856	5.9465	.07848	13.468	.36878	.00046	.16737	.05445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9214**	**.02195**	**.58894**	**.00201**	**.00089**	**2.7600**	**5.9064**	**.00466**	**.01265**	**.01224**
Stddev	.0038	.00154	.00100	.00137	.00400	.0401	.0858	.00072	.00000	.00067
%RSD	.19833	7.0042	.16955	68.346	449.48	1.4525	1.4525	15.346	.02411	5.4344
#1	1.9241	.02303	.58823	.00297	-.00194	2.7316	5.8457	.00517	.01265	.01177
#2	1.9187	.02086	.58964	.00104	.00372	2.7883	5.9670	.00416	.01265	.01271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29438**	**-.00041**	**-.04364**	**.05891**	**.24656**	**.00791**
Stddev	.00229	.00098	.01486	.00019	.00123	.00077
%RSD	.77850	235.99	34.054	.31402	.49745	9.7966
#1	.29276	-.00111	-.03314	.05878	.24569	.00736
#2	.29600	.00028	-.05415	.05905	.24743	.00846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8239.9**	**101690.**	**8419.1**
Stddev	22.7	353.	14.4
%RSD	.27524	.34701	.17161
#1	8223.8	101940.	8429.3
#2	8255.9	101440.	8408.9

Sample Name: 280-48651-a-4-a Acquired: 11/8/2013 20:17:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**50.681**	**.00591**	**.01571**	**.12352**	**.00172**	**-.01181**	**3.8898**	**.00164**	**.01702**
Stddev	.00003	.074	.00388	.00018	.00059	.00008	.00134	.0002	.00027	.00027
%RSD	2.5866	.14533	65.685	1.1373	.47873	4.7423	11.350	.00559	16.665	1.6123
#1	-.00117	50.733	.00866	.01584	.12310	.00166	-.01086	3.8899	.00184	.01721
#2	-.00112	50.629	.00317	.01559	.12394	.00178	-.01276	3.8896	.00145	.01683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04172**	**.02245**	**49.249**	**5.5693**	**.09042**	**13.508**	**.37036**	**.00052**	**.20156**	**.05305**
Stddev	.00012	.00081	.093	.0542	.00279	.053	.00042	.00003	.00145	.00046
%RSD	.27894	3.6212	.18893	.97397	3.0814	.39415	.11434	5.5787	.71881	.87465
#1	.04180	.02188	49.183	5.6076	.08845	13.546	.37066	.00054	.20054	.05338
#2	.04164	.02303	49.315	5.5309	.09239	13.471	.37006	.00050	.20259	.05272
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9254**	**.03209**	**.70711**	**.00090**	**-.00079**	**3.2780**	**7.0148**	**.00502**	**.01787**	**.01228**
Stddev	.0038	.00065	.00006	.00158	.00078	.0239	.0511	.00006	.00007	.00011
%RSD	.13091	2.0152	.00802	175.56	99.318	.72878	.72878	1.2846	.38151	.90683
#1	2.9281	.03255	.70715	-.00022	-.00023	3.2611	6.9787	.00497	.01792	.01236
#2	2.9227	.03164	.70707	.00201	-.00134	3.2949	7.0510	.00506	.01782	.01220
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36446**	**.00030**	W **-.06912**	**.05734**	**.28952**	**.00747**
Stddev	.00031	.00025	.00158	.00056	.00043	.00008
%RSD	.08610	83.569	2.2812	.97285	.14951	1.0685
#1	.36468	.00012	-.07024	.05773	.28921	.00753
#2	.36423	.00048	-.06801	.05695	.28983	.00742
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8244.5**	**101560.**	**8398.7**
Stddev	2.5	3.	34.3
%RSD	.03076	.00314	.40846
#1	8242.7	101560.	8374.5
#2	8246.3	101560.	8423.0

Sample Name: 280-48651-a-5-a Acquired: 11/8/2013 20:19:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**49.187**	**.01237**	**.01900**	**.17412**	**.00172**	**-.01373**	**14.680**	**.00379**	**.01869**
Stddev	.00045	.184	.00102	.00039	.00021	.00002	.00064	.015	.00016	.00023
%RSD	85.372	.37395	8.2205	2.0711	.11918	.94024	4.6515	.09924	4.2024	1.2332
#1	-.00085	49.057	.01165	.01872	.17426	.00173	-.01418	14.690	.00367	.01853
#2	-.00021	49.317	.01309	.01928	.17397	.00171	-.01328	14.670	.00390	.01885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**.12115**	**72.710**	**6.4870**	**.07778**	**14.297**	**.53675**	**.00146**	**.26479**	**.06586**
Stddev	.00021	.00079	.026	.0156	.00048	.045	.00093	.00006	.01319	.00011
%RSD	.42079	.65572	.03600	.24030	.61432	.31753	.17373	4.1377	4.9824	.17274
#1	.05020	.12059	72.691	6.4980	.07812	14.265	.53609	.00142	.27412	.06578
#2	.04990	.12171	72.729	6.4759	.07745	14.329	.53741	.00150	.25546	.06594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.5139**	**.22341**	**1.6304**	**.00113**	**.00064**	**3.4546**	**7.3928**	**.08124**	**.08407**	**.01400**
Stddev	.0091	.00009	.0044	.00274	.00069	.0036	.0077	.00019	.00014	.00055
%RSD	.16555	.04233	.27113	241.78	109.07	.10441	.10441	.23365	.16363	3.8993
#1	5.5203	.22348	1.6273	.00307	.00015	3.4571	7.3982	.08137	.08397	.01439
#2	5.5074	.22335	1.6335	-.00080	.00112	3.4520	7.3873	.08110	.08417	.01361
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54081**	**-.00095**	W **-.06293**	**.07923**	**1.0688**	**.00967**
Stddev	.01495	.00021	.04413	.00032	.0045	.00349
%RSD	2.7636	21.805	70.121	.40621	.42254	36.067
#1	.55138	-.00110	-.09413	.07901	1.0656	.00720
#2	.53025	-.00080	-.03173	.07946	1.0720	.01214
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8283.4**	**101990.**	**8425.1**
Stddev	9.7	282.	7.3
%RSD	.11677	.27619	.08617
#1	8276.6	102190.	8430.3
#2	8290.3	101790.	8420.0

Sample Name: 280-48486-a-1-e Acquired: 11/8/2013 20:21:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**48.235**	**.03567**	**.02123**	**.21721**	**.00232**	**-.01963**	**108.75**	**.00102**	**.03630**
Stddev	.00054	.138	.00046	.00028	.00041	.00006	.00170	.34	.00007	.00022
%RSD	57.602	.28616	1.2775	1.3402	.18691	2.7348	8.6408	.30902	6.4561	.60444
#1	-.00131	48.138	.03599	.02143	.21692	.00237	-.01843	108.51	.00097	.03646
#2	-.00055	48.333	.03534	.02103	.21749	.00228	-.02083	108.99	.00107	.03615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05342**	**.12348**	**101.26**	**6.9856**	**.08683**	**29.334**	**3.8483**	**.00200**	**.32404**	**.07716**
Stddev	.00005	.00029	.60	.0353	.00295	.079	.0308	.00048	.00219	.00017
%RSD	.09851	.23464	.58817	.50495	3.3921	.27036	.79976	24.006	.67465	.22498
#1	.05346	.12328	101.68	6.9607	.08475	29.390	3.8700	.00166	.32558	.07704
#2	.05338	.12369	100.84	7.0106	.08891	29.278	3.8265	.00233	.32249	.07728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.0921**	**.04676**	**.74270**	**-.00049**	**-.00098**	**2.8471**	**6.0929**	**.00318**	**.16958**	**.02477**
Stddev	.0013	.00091	.00236	.00326	.00023	.0367	.0786	.00040	.00065	.00488
%RSD	.04265	1.9421	.31811	668.93	23.088	1.2896	1.2896	12.595	.38188	19.701
#1	3.0931	.04740	.74437	.00182	-.00114	2.8212	6.0373	.00290	.16913	.02132
#2	3.0912	.04612	.74103	-.00280	-.00082	2.8731	6.1484	.00346	.17004	.02822
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21276**	**-.00056**	F **-.12096**	**.08649**	**.26554**	**.01766**
Stddev	.00065	.00066	.01333	.00023	.00013	.00120
%RSD	.30667	117.64	11.023	.27112	.05001	6.7692
#1	.21230	-.00009	-.11153	.08665	.26544	.01851
#2	.21323	-.00102	-.13038	.08632	.26563	.01682
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8302.0**	**101880.**	**8557.2**
Stddev	23.6	715.	54.2
%RSD	.28386	.70213	.63357
#1	8318.7	101380.	8595.5
#2	8285.4	102390.	8518.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:24:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00220**	**51.505**	**.00082**	**.00703**	**.00036**	**.00009**	**.99739**	**.01690**	**.00013**	**-.00074**	**-.00008**	**.00701**	**49.207**
Stddev	.00015	.228	.00044	.00045	.00034	.00001	.00144	.00303	.00003	.00013	.00021	.00025	.429
%RSD	6.6112	.44217	53.072	6.4282	92.786	14.110	.14389	17.939	26.059	17.011	258.45	3.5986	.87219
#1	.00209	51.344	.00051	.00671	.00060	.00008	.99637	.01905	.00010	-.00065	-.00023	.00683	48.903
#2	.00230	51.666	.00113	.00735	.00012	.00010	.99840	.01476	.00015	-.00083	.00007	.00718	49.510
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05075**	**-.00135**	**.08777**	**.00067**	**-.00016**	**257.72**	**.00012**	**.00276**	**.00277**	**4.9724**	**.00118**	**.00269**	**.03022**
Stddev	.05731	.00072	.00413	.00011	.00019	.08	.00028	.00074	.00006	.0095	.00051	.00034	.02801
%RSD	112.92	53.313	4.7085	17.015	118.27	.03071	238.17	26.808	2.2068	.19145	43.170	12.467	92.691
#1	.01023	-.00186	.09069	.00075	-.00029	257.77	.00032	.00328	.00281	4.9657	.00153	.00246	.05003
#2	.09128	-.00084	.08485	.00059	-.00003	257.66	-.00008	.00224	.00273	4.9791	.00082	.00293	.01041
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06467**	**.00055**	**.00031**	**4.8948**	**-.00477**	**.00193**	**10.278**	**.00049**	**.00206**	**.01176**
Stddev	.05995	.00004	.00005	.0038	.00093	.00006	.027	.00040	.00053	.00010
%RSD	92.691	6.5215	14.784	.07686	19.414	3.3082	.26211	81.675	25.551	.87349
#1	.10706	.00053	.00034	4.8975	-.00542	.00189	10.297	.00021	.00243	.01169
#2	.02229	.00058	.00028	4.8922	-.00411	.00198	10.259	.00077	.00168	.01184
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7693.6**	**94895.**	**7861.9**
Stddev	7.5	455.	14.6
%RSD	.09809	.47943	.18587
#1	7688.3	94573.	7851.6
#2	7698.9	95216.	7872.2

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:26:26 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49484**	**.53285**	**.98817**	**.50037**	**.50886**	**.50026**	**.00272**	**5.0579**	**.50237**	**.50851**	**.49837**	**.50721**	**2.4365**
Stddev	.00046	.00806	.00007	.00029	.00097	.00027	.00125	.0057	.00070	.00022	.00007	.00027	.0066
%RSD	.09221	1.5120	.00722	.05823	.19094	.05368	45.922	.11258	.13906	.04407	.01448	.05356	.26979
#1	.49451	.53855	.98823	.50017	.50817	.50045	.00184	5.0620	.50287	.50835	.49832	.50701	2.4319
#2	.49516	.52715	.98812	.50058	.50955	.50007	.00360	5.0539	.50188	.50866	.49842	.50740	2.4412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.440**	**1.0083**	**19.770**	**.50479**	**.49842**	**5.3097**	**.50515**	**.98201**	**1.0268**	**-.00074**	**1.0132**	**.98776**	**4.9812**
Stddev	.009	.0070	.029	.00033	.00098	.0233	.00123	.00157	.0012	.00438	.0048	.00151	.0025
%RSD	.01833	.69779	.14637	.06492	.19690	.43789	.24410	.15954	.11689	593.20	.47409	.15285	.05035
#1	51.446	1.0033	19.790	.50456	.49773	5.3261	.50603	.98312	1.0259	.00236	1.0166	.98670	4.9794
#2	51.433	1.0133	19.750	.50503	.49911	5.2932	.50428	.98090	1.0276	-.00383	1.0098	.98883	4.9829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.660**	**1.0015**	**.50358**	**-.00211**	**.50809**	**1.0359**	**-.01802**	**.50676**	**.50245**	**.50555**
Stddev	.005	.0056	.00060	.00229	.00057	.0034	.02562	.00058	.00057	.00244
%RSD	.05035	.56346	.11839	108.30	.11149	.33318	142.17	.11452	.11396	.48283
#1	10.656	1.0055	.50316	-.00373	.50769	1.0383	.00010	.50717	.50285	.50382
#2	10.663	.99748	.50400	-.00049	.50849	1.0334	-.03614	.50635	.50205	.50727
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.4**	**99672.**	**8105.3**
Stddev	39.5	228.	10.0
%RSD	.49665	.22920	.12396
#1	7976.3	99510.	8112.4
#2	7920.5	99833.	8098.2

Sample Name: CCB Acquired: 11/8/2013 20:28:33 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	F **.07065**	**.00016**	**.00279**	**.00018**	**.00012**	**.00028**	**-.00045**	**.00030**	**.00007**	**.00036**	**-.00007**
Stddev	.00040	.09399	.00386	.00060	.00016	.00006	.00200	.00070	.00029	.00012	.00008	.00056
%RSD	52.537	133.04	2426.9	21.520	87.276	52.100	718.28	157.64	97.230	165.27	22.088	756.60
#1	-.00105	.00419	-.00257	.00321	.00030	.00016	-.00114	.00005	.00009	-.00001	.00030	.00032
#2	-.00048	.13710	.00289	.00236	.00007	.00007	.00169	-.00095	.00050	.00016	.00042	-.00047
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.03100										
Low Limit		-.03100										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.06672**	**.00048**	**.00261**	**.00016**	**.00066**	**.02311**	**.00012**	**.00505**	**.00129**	**.00492**	F **.00762**
Stddev	.00226	.00850	.00050	.00237	.00009	.00052	.00957	.00052	.00688	.00060	.00023	.00255
%RSD	24.958	12.748	103.95	90.768	57.625	79.200	41.436	438.18	136.17	46.667	4.7520	33.514
#1	.00747	.07273	.00084	.00093	.00010	.00029	.01634	-.00025	.00019	.00171	.00476	.00581
#2	.01067	.06070	.00013	.00428	.00023	.00103	.02988	.00049	.00991	.00086	.00509	.00942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00629**	**.01371**	**.02935**	**-.00006**	**.00008**	**.00098**	**.00005**	**.00052**	**.02036**	**-.00017**	**.00279**	**-.00106**
Stddev	.00005	.00150	.00321	.00083	.00010	.00154	.00017	.00113	.02085	.00046	.00036	.00015
%RSD	.78931	10.944	10.944	1387.7	127.52	156.50	349.52	216.19	102.44	276.62	12.739	14.503
#1	.00625	.01478	.03162	-.00064	.00014	-.00010	.00017	-.00028	.03510	-.00049	.00304	-.00095
#2	.00632	.01265	.02708	.00053	.00001	.00207	-.00007	.00132	.00561	.00016	.00254	-.00117
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.3**	**100780.**	**7980.4**
Stddev	10.3	67.	9.6
%RSD	.12954	.06663	.11982
#1	7966.0	100830.	7973.7
#2	7980.6	100730.	7987.2

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:30:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**.11760**	**.01720**	**.09666**	**.01058**	**.00111**	**.11783**	**.21152**	**.00515**	**.01025**	**.01048**	**.01539**	**.10937**
Stddev	.00003	.00869	.00007	.00025	.00013	.00012	.00018	.00136	.00009	.00045	.00010	.00019	.00424
%RSD	.26898	7.3924	.40222	.25856	1.2312	10.357	.15378	.64489	1.6698	4.4183	.95047	1.2053	3.8784
#1	.00936	.12375	.01715	.09648	.01067	.00103	.11796	.21055	.00521	.01057	.01055	.01526	.10637
#2	.00932	.11145	.01725	.09684	.01049	.00120	.11770	.21248	.00509	.00993	.01041	.01552	.11237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1500**	**.00858**	**.20904**	**.01042**	**.02029**	**1.0915**	**.04170**	**2.8418**	**.01115**	**.00268**	F **.01424**	**.01645**	**.48011**
Stddev	.0471	.00124	.00311	.00005	.00009	.0136	.00019	.0258	.00036	.00036	.00011	.00214	.01546
%RSD	1.4942	14.394	1.4896	.51107	.44756	1.2478	.45248	.90770	3.2569	13.358	.73878	13.007	3.2211
#1	3.1833	.00946	.20684	.01038	.02023	1.0819	.04183	2.8600	.01141	.00293	.01432	.01797	.46918
#2	3.1167	.00771	.21125	.01045	.02035	1.1011	.04157	2.8236	.01090	.00243	.01417	.01494	.49105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0274**	**.10373**	**.01028**	**.01607**	**.00995**	**.01575**	**.05047**	**.01015**	**.02446**	**.01547**
Stddev	.0331	.00202	.00000	.00005	.00005	.00045	.03619	.00039	.00011	.00102
%RSD	3.2211	1.9454	.04328	.32461	.46538	2.8625	71.721	3.8508	.46685	6.6219
#1	1.0040	.10516	.01028	.01610	.00998	.01607	.07606	.01043	.02454	.01474
#2	1.0508	.10230	.01029	.01603	.00992	.01543	.02487	.00988	.02438	.01619
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.8**	**101000.**	**7991.0**
Stddev	5.0	298.	9.4
%RSD	.06310	.29528	.11724
#1	7918.3	100790.	7984.3
#2	7925.4	101210.	7997.6

Sample Name: mb 280-199584/1-a Acquired: 11/8/2013 20:33:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00846**	**-.00160**	**.00382**	**.00024**	**.00005**	**-.00111**	**.05044**	**.00030**	**.00013**
Stddev	.00009	.00044	.00099	.00023	.00009	.00007	.00379	.00163	.00018	.00004
%RSD	26.119	5.1961	61.653	5.9462	39.206	125.61	342.17	3.2368	59.756	32.831
#1	-.00039	.00815	-.00090	.00398	.00017	.00010	-.00379	.04929	.00043	.00016
#2	-.00027	.00877	-.00230	.00366	.00030	.00001	.00157	.05160	.00017	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00019**	**.01637**	**.01334**	**.00048**	**.00800**	**.00029**	**.00001**	F **1.0988**	**-.00007**
Stddev	.00001	.00025	.00089	.01236	.00097	.00021	.00001	.00030	.0019	.00011
%RSD	4.9313	128.62	5.4215	92.667	202.19	2.6092	4.6298	1990.4	.16855	159.33
#1	.00021	.00002	.01574	.00460	.00117	.00815	.00030	-.00020	1.1001	.00001
#2	.00022	.00037	.01700	.02208	-.00021	.00785	.00028	.00023	1.0975	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00145**	**.00157**	F **.44465**	**.00054**	**-.00076**	**.04664**	**.09982**	**.00068**	**.00244**	**.00175**
Stddev	.00162	.00064	.00026	.00155	.00301	.00579	.01240	.00062	.00002	.00105
%RSD	112.36	40.621	.05933	285.49	397.06	12.418	12.418	90.464	.83051	60.191
#1	.00030	.00202	.44483	-.00055	.00137	.04255	.09105	.00025	.00243	.00249
#2	.00259	.00112	.44446	.00163	-.00289	.05074	.10858	.00112	.00246	.00100
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00059**	**-.02562**	**.00020**	**.00391**	**-.00147**
Stddev	.00057	.00060	.02701	.00013	.00000	.00094
%RSD	76.067	102.96	105.43	62.748	.10231	64.342
#1	.00035	-.00101	-.04472	.00011	.00392	-.00080
#2	.00116	-.00016	-.00652	.00030	.00391	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7972.4**	**101710.**	**7918.4**
Stddev	8.7	30.	1.6
%RSD	.10910	.02925	.02042
#1	7978.6	101740.	7919.6
#2	7966.3	101690.	7917.3

Sample Name: lcs 280-199584/2-a Acquired: 11/8/2013 20:35:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04766	1.9657	.98180	.98144	2.0292	.04961	2.2164	49.178	.10261	.49441
Stddev	.00046	.0041	.00296	.00053	.0185	.00045	.0032	.449	.00013	.00001
%RSD	.95595	.21013	.30157	.05437	.90914	.90422	.14509	.91225	.12376	.00202
#1	.04798	1.9628	.97971	.98106	2.0161	.04929	2.2141	48.860	.10270	.49441
#2	.04734	1.9686	.98390	.98182	2.0422	.04992	2.2186	49.495	.10252	.49440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20041	.25588	.97044	51.341	1.0062	49.181	.50089	1.0123	52.844	.49336
Stddev	.00009	.00043	.00817	.446	.0105	.057	.00014	.0003	.144	.00068
%RSD	.04597	.16717	.84154	.86965	1.0417	.11607	.02743	.02694	.27311	.13879
#1	.20048	.25618	.96466	51.025	.99876	49.221	.50099	1.0121	52.742	.49287
#2	.20035	.25558	.97621	51.656	1.0136	49.140	.50079	1.0125	52.946	.49384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8682	.49334	-.00614	.50366	1.9357	10.020	21.444	1.9992	1.0038	1.0160
Stddev	.0033	.00024	.00582	.00095	.0004	.151	.323	.0013	.0084	.0031
%RSD	.03318	.04896	94.860	.18804	.02230	1.5056	1.5056	.06357	.83914	.30521
#1	9.8705	.49317	-.00202	.50433	1.9360	9.9137	21.215	1.9983	.99781	1.0138
#2	9.8659	.49352	-.01025	.50299	1.9354	10.127	21.672	2.0001	1.0097	1.0182
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0327	1.9576	2.1725	.51441	.49642	.51331
Stddev	.0005	.0008	.0073	.00087	.00075	.01124
%RSD	.05171	.04265	.33605	.16982	.15182	2.1888
#1	1.0323	1.9582	2.1777	.51380	.49588	.50537
#2	1.0330	1.9570	2.1674	.51503	.49695	.52126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7686.0	95966.	8036.8
Stddev	21.9	505.	49.7
%RSD	.28462	.52584	.61861
#1	7701.4	96323.	8072.0
#2	7670.5	95609.	8001.7

Sample Name: 280-48773-c-1-e Acquired: 11/8/2013 20:37:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**1.7403**	**.00100**	**1.1197**	**.04165**	**.00012**	**-.00072**	**19.267**	**.00030**	**.00014**
Stddev	.00012	.0059	.00247	.0032	.00003	.00006	.00203	.007	.00031	.00009
%RSD	35.631	.33842	246.68	.28809	.07269	54.453	280.71	.03810	101.49	62.507
#1	-.00043	1.7361	-.00074	1.1220	.04163	.00007	-.00215	19.272	.00052	.00008
#2	-.00026	1.7444	.00274	1.1175	.04167	.00016	.00071	19.262	.00009	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00147**	**.00495**	**.83761**	**.98492**	**.03592**	**7.3006**	**.12466**	**.02906**	W **893.91**	**.00247**
Stddev	.00007	.00026	.00487	.11662	.00076	.0121	.00002	.00027	.51	.00013
%RSD	4.6003	5.3494	.58093	11.840	2.1199	.16551	.01896	.92240	.05745	5.3897
#1	.00152	.00476	.84105	.90246	.03646	7.2921	.12464	.02887	894.27	.00257
#2	.00142	.00514	.83417	1.0674	.03538	7.3092	.12468	.02925	893.55	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09005**	**.00051**	F **232.07**	**.00063**	**-.00144**	**8.0362**	**17.197**	**.00005**	**.59728**	**-.00065**
Stddev	.00173	.00050	.03	.00111	.00188	.0386	.083	.00069	.00024	.00167
%RSD	1.9202	97.423	.01207	175.25	130.95	.48020	.48020	1317.1	.04044	258.67
#1	.08883	.00016	232.05	-.00015	-.00011	8.0089	17.139	.00054	.59711	.00054
#2	.09128	.00087	232.09	.00141	-.00277	8.0635	17.256	-.00044	.59745	-.00183
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04623**	**-.00008**	**-.01335**	**.00634**	**.00789**	**.00237**
Stddev	.00120	.00027	.00259	.00028	.00029	.00199
%RSD	2.6032	344.49	19.380	4.3436	3.7206	83.961
#1	.04708	.00011	-.01518	.00614	.00810	.00377
#2	.04538	-.00027	-.01152	.00653	.00768	.00096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7392.5**	**89703.**	**7881.5**
Stddev	10.4	202.	38.1
%RSD	.14042	.22554	.48300
#1	7399.8	89846.	7908.4
#2	7385.1	89560.	7854.6

Sample Name: 280-48773-c-1-eSD@5 Acquired: 11/8/2013 20:39:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**.38748**	**.00127**	**.23311**	**.00862**	**.00014**	**.00187**	**3.8658**	**.00006**	**-.00024**
Stddev	.00018	.00094	.00050	.00030	.00045	.00004	.00086	.0048	.00003	.00020
%RSD	44.170	.24369	39.451	.12843	5.1958	31.227	46.115	.12477	59.845	84.665
#1	-.00029	.38815	.00163	.23332	.00894	.00011	.00248	3.8692	.00003	-.00010
#2	-.00055	.38681	.00092	.23290	.00831	.00017	.00126	3.8624	.00008	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00166**	**.18888**	**.33285**	**.00774**	**1.4945**	**.02493**	**.00597**	**176.44**	**.00059**
Stddev	.00026	.00016	.00792	.04890	.00067	.0098	.00005	.00025	1.31	.00012
%RSD	51.119	9.5474	4.1933	14.692	8.6222	.65425	.21216	4.2504	.74264	20.349
#1	.00033	.00178	.18328	.29827	.00821	1.4876	.02489	.00579	177.36	.00068
#2	.00070	.00155	.19448	.36743	.00727	1.5014	.02496	.00615	175.51	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01733**	**.00209**	**45.059**	**.00078**	**.00089**	**1.5802**	**3.3816**	**.00209**	**.11816**	**-.00083**
Stddev	.00126	.00082	.020	.00144	.00219	.0163	.0350	.00011	.00166	.00215
%RSD	7.2904	39.521	.04531	185.72	247.21	1.0341	1.0341	5.2544	1.4033	258.29
#1	.01823	.00267	45.074	-.00024	.00244	1.5686	3.3569	.00201	.11933	.00069
#2	.01644	.00150	45.045	.00180	-.00066	1.5917	3.4063	.00217	.11699	-.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00980**	**.00184**	**.01771**	**.00138**	**.00740**	**.00111**
Stddev	.00047	.00059	.01193	.00094	.00005	.00000
%RSD	4.7509	31.905	67.403	67.918	.63398	.40744
#1	.00947	.00225	.00927	.00072	.00743	.00111
#2	.01013	.00142	.02614	.00205	.00736	.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7728.0**	**95981.**	**8077.7**
Stddev	12.8	129.	80.7
%RSD	.16595	.13430	.99965
#1	7737.1	95890.	8020.6
#2	7718.9	96072.	8134.8

Sample Name: 280-48773-c-1-f ms Acquired: 11/8/2013 20:42:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**4.6645**	**1.0057**	**2.0205**	**2.0867**	**.05017**	F **2.1394**	**68.337**	**.10366**	**.48791**
Stddev	.00068	.0147	.0076	.0022	.0029	.00004	.0002	.068	.00009	.00081
%RSD	1.4075	.31460	.75981	.10642	.13964	.08407	.00837	.10000	.09105	.16523
#1	.04897	4.6541	1.0003	2.0190	2.0846	.05020	2.1395	68.288	.10359	.48848
#2	.04800	4.6749	1.0111	2.0220	2.0887	.05014	2.1393	68.385	.10373	.48734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19741**	**.25916**	**1.8989**	**55.622**	**1.0567**	**55.237**	**.62511**	**1.0258**	W **933.59**	**.48869**
Stddev	.00010	.00134	.0025	.203	.0019	.071	.00039	.0001	.89	.00016
%RSD	.05089	.51554	.13264	.36578	.17606	.12809	.06230	.00777	.09525	.03240
#1	.19748	.26010	1.8971	55.478	1.0554	55.287	.62484	1.0258	932.96	.48880
#2	.19734	.25821	1.9007	55.766	1.0580	55.187	.62539	1.0259	934.22	.48858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.377**	**.46714**	F **228.65**	**.49176**	**1.9438**	**19.132**	**40.943**	**1.9279**	**1.6027**	**1.0263**
Stddev	.025	.00271	.07	.00383	.0037	.062	.132	.0020	.0035	.0027
%RSD	.23904	.58037	.03017	.77865	.19133	.32353	.32353	.10540	.21596	.26076
#1	10.360	.46906	228.60	.48905	1.9465	19.088	40.849	1.9265	1.6003	1.0244
#2	10.395	.46522	228.70	.49447	1.9412	19.176	41.036	1.9294	1.6052	1.0282
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1027**	**1.7374**	**2.1052**	**.52807**	**.51928**	**.52375**
Stddev	.0004	.0022	.0741	.00105	.00066	.00078
%RSD	.03957	.12353	3.5176	.19925	.12748	.14904
#1	1.1024	1.7390	2.1576	.52882	.51881	.52431
#2	1.1030	1.7359	2.0529	.52733	.51975	.52320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7360.3**	**90125.**	**7990.6**
Stddev	12.6	58.	12.1
%RSD	.17145	.06466	.15110
#1	7351.3	90084.	7999.1
#2	7369.2	90166.	7982.1

Sample Name: 280-48773-c-1-g msd Acquired: 11/8/2013 20:44:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04991**	**4.7085**	**1.0261**	**2.0534**	**2.1216**	**.05113**	F **2.1708**	**69.574**	**.10534**	**.49507**
Stddev	.00038	.0283	.0077	.0083	.0004	.00024	.0058	.053	.00002	.00092
%RSD	.76114	.60006	.75293	.40614	.01864	.46997	.26547	.07665	.02327	.18554
#1	.05018	4.7285	1.0207	2.0475	2.1213	.05130	2.1667	69.536	.10532	.49442
#2	.04964	4.6885	1.0316	2.0593	2.1218	.05096	2.1749	69.612	.10536	.49572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20060**	**.26315**	**1.9505**	**56.882**	**1.0713**	**55.877**	**.63358**	**1.0400**	W **950.16**	**.49560**
Stddev	.00020	.00034	.0008	.227	.0035	.090	.00051	.0025	.17	.00030
%RSD	.09833	.12986	.04060	.39877	.32422	.16039	.08123	.23875	.01790	.05999
#1	.20074	.26291	1.9499	56.722	1.0689	55.940	.63322	1.0383	950.28	.49581
#2	.20046	.26339	1.9510	57.043	1.0738	55.814	.63395	1.0418	950.04	.49539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.530**	**.47691**	F **231.96**	**.50193**	**1.9771**	**19.523**	**41.780**	**1.9616**	**1.6308**	**1.0422**
Stddev	.016	.00238	.25	.00041	.0045	.015	.033	.0020	.0011	.0005
%RSD	.15429	.49949	.10690	.08106	.22532	.07837	.07837	.10425	.06838	.04511
#1	10.519	.47522	231.78	.50165	1.9739	19.512	41.757	1.9601	1.6300	1.0426
#2	10.542	.47859	232.13	.50222	1.9802	19.534	41.803	1.9630	1.6316	1.0419
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1265**	**1.7609**	**2.1820**	**.53503**	**.52564**	**.53255**
Stddev	.0016	.0043	.0414	.00047	.00133	.00291
%RSD	.14542	.24334	1.8961	.08865	.25300	.54622
#1	1.1277	1.7579	2.1527	.53536	.52470	.53460
#2	1.1254	1.7640	2.2112	.53469	.52658	.53049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7344.0**	**90232.**	**7919.1**
Stddev	24.4	51.	9.8
%RSD	.33166	.05662	.12369
#1	7361.3	90196.	7926.0
#2	7326.8	90268.	7912.2

Sample Name: 280-48773-c-1-ePDS Acquired: 11/8/2013 20:46:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05006**	W **3.0659**	**.20292**	**1.1923**	**.13954**	**.04903**	**-.00040**	**37.987**	**.05075**	**.04882**
Stddev	.00006	.0486	.00159	.0013	.00038	.00018	.00127	.302	.00011	.00008
%RSD	.11294	1.5856	.78199	.10647	.27258	.37230	316.08	.79385	.21766	.16997
#1	.05010	3.1003	.20404	1.1914	.13981	.04916	-.00130	38.201	.05067	.04888
#2	.05002	3.0315	.20180	1.1932	.13927	.04890	.00050	37.774	.05082	.04876
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		500.00								
Low Limit		3.2000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05027**	**.05565**	**1.7609**	**23.093**	**.13181**	**25.727**	**.17091**	**.07860**	W **886.44**	**.05077**
Stddev	.00010	.00063	.0174	.234	.00028	.007	.00011	.00007	6.78	.00008
%RSD	.19837	1.1262	.98755	1.0127	.21009	.02612	.06267	.08917	.76491	.15376
#1	.05020	.05520	1.7732	23.259	.13201	25.731	.17098	.07865	891.24	.05072
#2	.05034	.05609	1.7486	22.928	.13162	25.722	.17083	.07855	881.65	.05083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1537**	**.09467**	F **226.66**	**.10068**	**.19555**	**12.941**	**27.694**	**.09904**	**.62788**	**.20175**
Stddev	.0054	.00238	.28	.00058	.00436	.155	.333	.00005	.00399	.00232
%RSD	.25227	2.5092	.12450	.57138	2.2294	1.2006	1.2006	.04908	.63586	1.1489
#1	2.1498	.09635	226.46	.10027	.19247	13.051	27.929	.09907	.63071	.20339
#2	2.1575	.09299	226.86	.10109	.19864	12.831	27.459	.09900	.62506	.20011
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10189**	**.17584**	**.49812**	**.05804**	**.22041**	**.05469**
Stddev	.00446	.00031	.00769	.00065	.00038	.00189
%RSD	4.3763	.17867	1.5431	1.1259	.17328	3.4488
#1	.09874	.17562	.50356	.05758	.22014	.05335
#2	.10504	.17606	.49269	.05850	.22068	.05602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7389.3**	**90834.**	**8030.3**
Stddev	16.9	192.	40.1
%RSD	.22832	.21168	.49972
#1	7401.2	90970.	8001.9
#2	7377.3	90698.	8058.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 20:48:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**51.726**	**.00225**	**.01102**	**.00061**	**.00000**	**1.0081**	**.01933**	**.00013**	**-.00065**	**.00018**	**.00761**	**49.863**
Stddev	.00060	.039	.00131	.00088	.00023	.0000	.0039	.00059	.00019	.00001	.00006	.00022	.300
%RSD	19.554	.07482	58.213	7.9952	37.954	838.26	.38404	3.0376	144.99	1.4847	30.339	2.9230	.60125
#1	.00348	51.698	.00318	.01165	.00044	.00002	1.0109	.01975	.00026	-.00065	.00014	.00746	49.651
#2	.00264	51.753	.00132	.01040	.00077	-.00003	1.0054	.01892	.00000	-.00064	.00022	.00777	50.075
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39737**	**.00074**	**.08945**	**.00045**	**-.00001**	**260.13**	**-.00004**	**.00247**	**.00214**	**5.1037**	**-.00012**	**-.00243**	**.02747**
Stddev	.04985	.00003	.00218	.00004	.00010	.09	.00044	.00022	.00133	.0204	.00225	.00299	.00785
%RSD	12.546	3.5372	2.4326	9.0564	1540.3	.03610	1056.9	8.9895	62.220	.39991	1882.8	123.26	28.590
#1	.43262	.00076	.08791	.00042	.00006	260.07	.00027	.00262	.00308	5.1181	-.00171	-.00031	.02191
#2	.36212	.00072	.09099	.00048	-.00008	260.20	-.00036	.00231	.00120	5.0892	.00147	-.00455	.03302
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05878**	**.00003**	**.00060**	**4.9152**	**-.00469**	**.00089**	**10.313**	**.00042**	**.00222**	**.01634**
Stddev	.01681	.00009	.00005	.0039	.00007	.00085	.006	.00091	.00007	.00039
%RSD	28.590	376.07	7.9089	.07993	1.4974	95.300	.05473	215.92	2.9990	2.3923
#1	.04690	.00009	.00057	4.9180	-.00464	.00029	10.317	.00106	.00217	.01606
#2	.07066	-.00004	.00063	4.9124	-.00474	.00149	10.309	-.00022	.00227	.01661
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7729.9**	**95132.**	**7944.4**
Stddev	14.3	209.	65.7
%RSD	.18558	.21997	.82694
#1	7719.8	94984.	7990.9
#2	7740.1	95280.	7898.0

Sample Name: CCV-2357614 Acquired: 11/8/2013 20:51:16 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49873**	**.52278**	**.99519**	**.50688**	**.50755**	**.50104**	**.00158**	**5.0509**	**.50502**	**.50897**	**.50049**	**.51217**	**2.4468**
Stddev	.00025	.00060	.00193	.00003	.00252	.00238	.00257	.0274	.00043	.00067	.00007	.00016	.0028
%RSD	.05083	.11473	.19359	.00683	.49626	.47590	162.12	.54209	.08494	.13198	.01455	.03062	.11382
#1	.49855	.52320	.99383	.50685	.50577	.49935	-.00023	5.0315	.50472	.50945	.50054	.51228	2.4448
#2	.49891	.52236	.99655	.50690	.50933	.50273	.00340	5.0702	.50532	.50850	.50044	.51206	2.4488
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.484**	**1.0099**	**19.868**	**.50529**	**.50139**	F **5.7057**	**.50686**	**.98886**	**1.0315**	**.04239**	**1.0210**	**.99597**	**5.0137**
Stddev	.317	.0051	.007	.00044	.00110	.0249	.00103	.00050	.0011	.00274	.0048	.00527	.0031
%RSD	.61605	.50079	.03402	.08783	.22037	.43718	.20356	.05026	.10705	6.4721	.47013	.52869	.06225
#1	51.259	1.0063	19.863	.50498	.50217	5.6881	.50613	.98851	1.0307	.04433	1.0243	.99970	5.0115
#2	51.708	1.0135	19.873	.50561	.50061	5.7234	.50759	.98921	1.0323	.04045	1.0176	.99225	5.0159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.729**	**1.0072**	**.50358**	**-.00202**	**.50940**	**1.0355**	**.00572**	**.50842**	**.50497**	**.51059**
Stddev	.007	.0053	.00113	.00021	.00055	.0043	.01199	.00077	.00077	.00324
%RSD	.06225	.52916	.22465	10.465	.10854	.41426	209.52	.15103	.15154	.63520
#1	10.725	1.0110	.50278	-.00217	.50901	1.0385	.01420	.50896	.50551	.50830
#2	10.734	1.0034	.50438	-.00187	.50979	1.0324	-.00276	.50788	.50443	.51288
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7990.2**	**100250.**	**8199.8**
Stddev	5.3	72.	37.4
%RSD	.06587	.07150	.45620
#1	7986.5	100300.	8226.2
#2	7994.0	100200.	8173.3

Sample Name: CCB Acquired: 11/8/2013 20:53:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00228**	**.00059**	W **.00477**	**.00007**	**.00025**	**.00478**	**.00229**	**.00010**	**-.00007**	**.00013**	**.00029**
Stddev	.00011	.00032	.00207	.00029	.00041	.00001	.00089	.00353	.00002	.00005	.00009	.00038
%RSD	53.527	14.110	353.77	6.1567	563.62	5.1081	18.670	154.04	19.391	65.808	71.980	132.56
#1	.00030	.00251	-.00088	.00498	.00036	.00024	.00541	.00479	.00012	-.00004	.00020	.00056
#2	.00013	.00206	.00205	.00457	-.00022	.00026	.00415	-.00020	.00009	-.00010	.00006	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00724**	**.15007**	**-.00125**	**.01060**	**.00016**	**.00027**	F **.33518**	**-.00001**	**.00044**	**.00022**	**.02518**	F **.00716**
Stddev	.00299	.00650	.00245	.00453	.00012	.00016	.05195	.00014	.00192	.00108	.00360	.00273
%RSD	41.351	4.3313	195.92	42.698	74.255	58.090	15.498	1063.6	439.38	494.61	14.307	38.068
#1	.00936	.15467	-.00299	.01380	.00024	.00016	.37191	.00008	.00180	-.00054	.02773	.00524
#2	.00512	.14547	.00048	.00740	.00007	.00039	.29845	-.00011	-.00092	.00098	.02264	.00909
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00229**	**.01594**	**.03412**	**.00019**	**.00024**	**-.00018**	**.00044**	**.00130**	**-.01167**	**.00046**	**.00329**	**.00154**
Stddev	.00199	.00072	.00153	.00020	.00002	.00117	.00019	.00093	.00816	.00002	.00036	.00155
%RSD	86.999	4.4940	4.4940	105.95	6.9127	633.31	43.080	71.717	69.910	4.8239	10.874	100.26
#1	.00088	.01645	.03520	.00033	.00023	.00064	.00058	.00064	-.00590	.00048	.00355	.00045
#2	.00370	.01544	.03303	.00005	.00025	-.00101	.00031	.00196	-.01745	.00045	.00304	.00264
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8008.8**	**100950.**	**8039.9**
Stddev	33.0	476.	25.0
%RSD	.41161	.47146	.31118
#1	8032.1	100610.	8057.6
#2	7985.5	101280.	8022.3

Sample Name: CCVL-2367586 Acquired: 11/8/2013 20:55:40 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.11075**	**.01384**	**.10129**	**.01043**	**.00112**	**.12077**	**.20691**	**.00529**	**.01063**	**.01045**	**.01569**	**.10313**
Stddev	.00059	.00129	.00040	.00084	.00005	.00005	.00060	.00022	.00002	.00021	.00009	.00011	.00189
%RSD	6.0102	1.1609	2.9008	.82746	.45278	4.2418	.49367	.10442	.36461	1.9494	.85429	.72637	1.8307
#1	.01032	.10984	.01412	.10188	.01040	.00115	.12035	.20676	.00530	.01049	.01051	.01561	.10446
#2	.00948	.11166	.01355	.10069	.01046	.00108	.12119	.20707	.00528	.01078	.01039	.01577	.10179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2038**	**.00918**	**.21268**	**.01052**	**.02068**	**1.2961**	**.04262**	**2.8831**	**.01100**	**.02281**	F **.01345**	**.01864**	**.49201**
Stddev	.0084	.00240	.00234	.00006	.00012	.0008	.00048	.0015	.00006	.00123	.00113	.00005	.00213
%RSD	.26344	26.116	1.1019	.55647	.59953	.05791	1.1341	.05212	.50856	5.3859	8.4351	.27345	.43367
#1	3.1978	.01088	.21433	.01057	.02077	1.2967	.04228	2.8820	.01096	.02368	.01425	.01861	.49352
#2	3.2098	.00749	.21102	.01048	.02059	1.2956	.04296	2.8841	.01104	.02194	.01264	.01868	.49050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0529**	**.10331**	**.01032**	**.01687**	**.01015**	**.01736**	**.04461**	**.00986**	**.02528**	**.01474**
Stddev	.0046	.00036	.00017	.00013	.00016	.00009	.05427	.00025	.00011	.00224
%RSD	.43367	.34977	1.6203	.75304	1.6199	.53114	121.65	2.5525	.43870	15.193
#1	1.0561	.10306	.01044	.01678	.01004	.01743	.00624	.00968	.02536	.01633
#2	1.0497	.10357	.01020	.01696	.01027	.01730	.08299	.01004	.02520	.01316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.0**	**101490.**	**8080.1**
Stddev	14.5	166.	49.7
%RSD	.18043	.16319	.61548
#1	8023.3	101610.	8045.0
#2	8002.8	101370.	8115.3

Sample Name: 280-48773-c-4-c Acquired: 11/8/2013 20:57:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.03410**	**.00019**	**1.0635**	**.01556**	**.00018**	**-.00254**	**54.523**	**.00040**	**.00058**
Stddev	.00101	.00039	.00148	.0018	.00023	.00003	.00279	.139	.00029	.00006
%RSD	86.655	1.1387	796.36	.16637	1.4622	17.262	109.87	.25499	72.357	9.8931
#1	-.00045	.03383	-.00086	1.0622	.01572	.00020	-.00451	54.424	.00060	.00062
#2	-.00187	.03438	.00123	1.0647	.01540	.00016	-.00057	54.621	.00019	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00232**	**.14763**	**.76202**	**.03989**	**11.025**	**.93654**	**.00586**	W **947.04**	**.00153**
Stddev	.00015	.00006	.00173	.15173	.00094	.037	.00160	.00004	.12	.00007
%RSD	67.244	2.8020	1.1713	19.912	2.3619	.33562	.17079	.66005	.01233	4.5913
#1	.00012	.00236	.14885	.65473	.03923	11.051	.93767	.00588	946.96	.00158
#2	.00033	.00227	.14640	.86931	.04056	10.999	.93541	.00583	947.13	.00148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01888**	**.00133**	F **321.61**	**.00203**	**.00059**	**4.7263**	**10.114**	**-.00026**	**1.3435**	**-.00066**
Stddev	.00104	.00037	.21	.00200	.00210	.0087	.019	.00035	.0005	.00074
%RSD	5.5223	27.494	.06647	98.845	356.30	.18449	.18449	138.00	.03951	112.16
#1	.01962	.00107	321.76	.00061	.00208	4.7201	10.101	-.00001	1.3431	-.00119
#2	.01814	.00159	321.46	.00344	-.00090	4.7325	10.128	-.00051	1.3439	-.00014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00012**	**.04146**	**.00442**	**.01271**	**.00005**
Stddev	.00038	.00037	.01454	.00030	.00002	.00286
%RSD	35.560	296.63	35.069	6.8454	.12473	5415.5
#1	.00133	-.00038	.03118	.00464	.01270	.00207
#2	.00080	.00014	.05174	.00421	.01272	-.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7312.6**	**88954.**	**7976.2**
Stddev	15.7	603.	.3
%RSD	.21405	.67840	.00325
#1	7323.7	88527.	7976.4
#2	7301.5	89380.	7976.0

Sample Name: 280-48773-c-5-c Acquired: 11/8/2013 21:00:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**.00450**	**.00084**	**1.6629**	**.01324**	**.00006**	**-.00050**	**88.233**	**.00064**	**-.00030**
Stddev	.00069	.00018	.00187	.0045	.00023	.00003	.00194	.103	.00009	.00021
%RSD	69.649	4.0608	224.22	.27060	1.7206	57.226	385.10	.11707	13.931	71.533
#1	-.00149	.00437	-.00049	1.6597	.01340	.00008	-.00187	88.160	.00070	-.00015
#2	-.00051	.00463	.00216	1.6660	.01308	.00003	.00087	88.306	.00058	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00275**	**.00615**	**1.9246**	**.09786**	**16.157**	**.16236**	**.00706**	W **1307.4**	**.00034**
Stddev	.00018	.00019	.00291	.1457	.00061	.023	.00035	.00012	.8	.00019
%RSD	31.192	7.0126	47.271	7.5700	.61864	.14521	.21710	1.6587	.06428	54.545
#1	.00069	.00262	.00409	1.8216	.09743	16.140	.16211	.00698	1308.0	.00047
#2	.00044	.00289	.00821	2.0276	.09829	16.174	.16261	.00715	1306.8	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03381**	**-.00039**	F **485.54**	**-.00058**	**.03723**	**6.1586**	**13.179**	**-.00137**	**2.4402**	**-.00482**
Stddev	.00124	.00004	.53	.00119	.00691	.0278	.059	.00025	.0039	.00205
%RSD	3.6758	9.2524	.10843	206.30	18.547	.45128	.45128	18.197	.15869	42.588
#1	.03469	-.00042	485.17	-.00142	.04212	6.1782	13.221	-.00155	2.4429	-.00337
#2	.03293	-.00037	485.91	.00027	.03235	6.1389	13.137	-.00120	2.4374	-.00627
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00024**	**.10298**	**.00240**	**.00415**	**.00102**
Stddev	.00027	.00032	.04302	.00041	.00009	.00082
%RSD	635.60	136.08	41.772	17.227	2.1158	79.532
#1	-.00024	-.00001	.07256	.00269	.00409	.00045
#2	.00015	-.00046	.13339	.00211	.00421	.00160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7193.1**	**87591.**	**7910.7**
Stddev	5.0	314.	8.0
%RSD	.06976	.35902	.10166
#1	7189.5	87813.	7905.0
#2	7196.6	87368.	7916.4

Sample Name: 280-48773-c-6-c Acquired: 11/8/2013 21:03:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00074**	**.00715**	**.00133**	**1.7421**	**.00730**	**.00010**	**.00026**	**29.044**	**.00008**	**-.00057**
Stddev	.00017	.00017	.00204	.0005	.00021	.00007	.00323	.033	.00017	.00009
%RSD	23.414	2.3242	152.78	.02927	2.8436	72.643	1259.3	.11280	204.98	16.115
#1	-.00062	.00704	-.00011	1.7425	.00745	.00005	-.00202	29.020	.00021	-.00063
#2	-.00086	.00727	.00278	1.7418	.00715	.00015	.00254	29.067	-.00004	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.00194**	**.03343**	**1.7127**	**.28880**	**5.0972**	**.00028**	**.00863**	W **921.88**	**-.00025**
Stddev	.00000	.00015	.00219	.0041	.00135	.0153	.00002	.00000	1.66	.00003
%RSD	.08087	7.5745	6.5638	.23688	.46612	.29974	6.6771	.05161	.17998	13.700
#1	.00185	.00204	.03188	1.7098	.28785	5.0863	.00029	.00863	920.71	-.00022
#2	.00185	.00183	.03498	1.7156	.28976	5.1080	.00027	.00863	923.05	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**-.00002**	F **396.32**	**.00061**	**.08632**	**3.9283**	**8.4066**	**-.00017**	**2.0680**	**-.00193**
Stddev	.00204	.00103	.75	.00029	.00185	.0238	.0509	.00044	.0031	.00123
%RSD	12.008	4312.7	.18906	48.170	2.1430	.60553	.60553	254.95	.15104	63.489
#1	.01553	-.00075	396.85	.00081	.08762	3.9115	8.3706	.00014	2.0658	-.00280
#2	.01841	.00070	395.79	.00040	.08501	3.9451	8.4425	-.00049	2.0702	-.00107
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00083**	**.06346**	**.01631**	**.00830**	**.00171**
Stddev	.00005	.00080	.01032	.00059	.00026	.00134
%RSD	148.17	96.658	16.264	3.6122	3.1378	78.467
#1	-.00007	.00026	.05616	.01590	.00849	.00266
#2	.00000	.00140	.07076	.01673	.00812	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7449.0**	**91500.**	**8165.3**
Stddev	29.8	490.	.2
%RSD	.40004	.53557	.00280
#1	7427.9	91846.	8165.2
#2	7470.0	91153.	8165.5

Sample Name: 280-48773-c-7-c Acquired: 11/8/2013 21:05:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00071**	**.00658**	**.00239**	**1.3849**	**.00824**	**.00010**	**-.00018**	**21.305**	**.00007**	**-.00055**
Stddev	.00028	.00007	.00272	.0072	.00027	.00003	.00112	.023	.00010	.00009
%RSD	38.839	1.0518	113.48	.52017	3.3027	31.185	627.73	.10863	143.18	16.964
#1	-.00052	.00653	.00047	1.3798	.00843	.00013	-.00097	21.289	.00000	-.00049
#2	-.00091	.00663	.00431	1.3900	.00805	.00008	.00061	21.322	.00014	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.00137**	**.00704**	**2.5650**	**.45607**	**2.4759**	**.00023**	**.00157**	W **1053.9**	**-.00031**
Stddev	.00015	.00024	.00077	.0411	.00379	.0001	.00003	.00010	1.2	.00016
%RSD	17.023	17.547	10.946	1.6033	.83098	.00429	13.275	6.3634	.11458	50.861
#1	.00079	.00120	.00649	2.5359	.45339	2.4760	.00026	.00165	1053.0	-.00042
#2	.00101	.00153	.00758	2.5941	.45875	2.4759	.00021	.00150	1054.7	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01121**	**-.00030**	F **370.74**	**-.00026**	**.07358**	**4.3389**	**9.2851**	**-.00067**	**1.6576**	**-.00318**
Stddev	.00000	.00083	.24	.00180	.00074	.0465	.0995	.00004	.0034	.00152
%RSD	.00291	280.64	.06519	702.15	1.0078	1.0712	1.0712	5.6035	.20610	47.702
#1	.01121	-.00088	370.91	.00101	.07306	4.3060	9.2148	-.00064	1.6552	-.00211
#2	.01121	.00029	370.57	-.00153	.07411	4.3717	9.3555	-.00069	1.6600	-.00425
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00221**	**.04509**	**.04479**	**.00460**	**.00285**
Stddev	.00008	.00049	.04894	.00035	.00039	.00506
%RSD	74.619	22.128	108.55	.77436	8.4281	177.70
#1	-.00005	.00186	.01048	.04455	.00433	-.00073
#2	-.00016	.00255	.07969	.04504	.00487	.00642
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7392.7**	**90659.**	**8105.1**
Stddev	1.0	184.	31.9
%RSD	.01308	.20267	.39388
#1	7393.4	90789.	8127.7
#2	7392.1	90529.	8082.5

Sample Name: 280-48773-c-8-e Acquired: 11/8/2013 21:08:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.02858**	**.00013**	**1.3249**	**.01359**	**.00011**	**-.00148**	**50.626**	**.00046**	**-.00038**
Stddev	.00029	.00022	.00075	.0018	.00030	.00002	.00189	.001	.00016	.00028
%RSD	8139.9	.77488	567.71	.13566	2.1746	16.010	127.43	.00255	35.351	74.238
#1	.00021	.02874	.00066	1.3237	.01379	.00012	-.00015	50.625	.00058	-.00018
#2	-.00020	.02842	-.00040	1.3262	.01338	.00009	-.00282	50.627	.00035	-.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00196**	**.04855**	**1.5811**	**.16393**	**10.827**	**.00622**	**.00175**	W **1023.6**	**.00005**
Stddev	.00000	.00040	.00010	.0387	.00022	.068	.00003	.00010	1.5	.00023
%RSD	1.1436	20.459	.21257	2.4477	.13293	.62387	.44834	5.4976	.14185	421.70
#1	.00021	.00168	.04848	1.5538	.16377	10.875	.00620	.00168	1022.6	-.00011
#2	.00021	.00224	.04862	1.6085	.16408	10.779	.00623	.00181	1024.7	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04645**	**.00097**	F **356.05**	**.00063**	**.06392**	**4.5748**	**9.7901**	**-.00070**	**1.8079**	**-.00136**
Stddev	.00076	.00036	.57	.00184	.00043	.0436	.0934	.00052	.0021	.00180
%RSD	1.6360	36.643	.16125	292.40	.67170	.95378	.95378	73.545	.11530	132.27
#1	.04699	.00122	355.64	-.00067	.06423	4.6056	9.8561	-.00034	1.8064	-.00264
#2	.04591	.00072	356.45	.00193	.06362	4.5439	9.7240	-.00106	1.8094	-.00009
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00062**	**.01728**	**.00227**	**.01597**	**.00133**
Stddev	.00012	.00005	.00549	.00024	.00012	.00005
%RSD	37.669	8.2993	31.796	10.651	.73978	4.0979
#1	.00041	.00066	.01339	.00244	.01605	.00129
#2	.00024	.00059	.02116	.00210	.01589	.00137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7471.7**	**92011.**	**8280.0**
Stddev	.2	660.	28.6
%RSD	.00223	.71680	.34499
#1	7471.6	91545.	8300.2
#2	7471.8	92478.	8259.8

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:11:47 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**50.867**	**.00556**	**.01059**	**.00021**	**.00008**	**1.0038**	**.01003**	**.00014**	**-.00087**	**-.00003**	**.00728**	**49.167**
Stddev	.00041	.032	.00365	.00072	.00035	.00003	.0071	.00354	.00008	.00009	.00015	.00023	.304
%RSD	10.899	.06257	65.660	6.8229	170.84	38.010	.70704	35.292	52.930	10.696	466.18	3.1431	.61779
#1	.00346	50.889	.00298	.01110	.00045	.00010	1.0088	.01253	.00009	-.00094	.00007	.00712	48.952
#2	.00404	50.844	.00814	.01008	-.00004	.00006	.99881	.00753	.00020	-.00081	-.00014	.00744	49.382
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27869**	**-.00100**	**.08672**	**.00037**	**-.00049**	**257.83**	**-.00016**	**.00088**	**.00234**	**5.1359**	**.00017**	**-.00002**	**.02264**
Stddev	.01622	.00099	.00310	.00006	.00030	1.27	.00006	.00038	.00083	.0500	.00194	.00414	.01359
%RSD	5.8195	99.101	3.5718	17.013	60.843	.49264	35.944	43.485	35.367	.97359	1171.9	19150.	60.043
#1	.26722	-.00030	.08891	.00032	-.00070	258.73	-.00012	.00115	.00292	5.1713	-.00120	.00291	.01303
#2	.29016	-.00171	.08453	.00041	-.00028	256.94	-.00020	.00061	.00175	5.1006	.00153	-.00295	.03225
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04844**	**-.00003**	**.00065**	**4.8721**	**-.00483**	**.00096**	**10.261**	**.00052**	**.00178**	**.01795**
Stddev	.02909	.00036	.00007	.0131	.00001	.00032	.028	.00000	.00046	.00080
%RSD	60.043	1149.7	10.312	.26813	.24944	33.137	.27612	.95011	26.023	4.4374
#1	.02787	.00022	.00070	4.8813	-.00482	.00073	10.241	.00052	.00146	.01852
#2	.06901	-.00029	.00060	4.8629	-.00484	.00118	10.281	.00052	.00211	.01739
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.6**	**98115.**	**8329.9**
Stddev	14.0	445.	32.5
%RSD	.17796	.45315	.39046
#1	7868.7	97801.	8352.9
#2	7888.5	98430.	8306.9

Sample Name: CCV-2357614 Acquired: 11/8/2013 21:14:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50048**	**.52189**	**1.0023**	**.50979**	**.51136**	**.50360**	**.00380**	**5.0777**	**.50835**	**.51071**	**.50332**	**.51386**	**2.4556**
Stddev	.00126	.00088	.0006	.00048	.00001	.00044	.00264	.0034	.00045	.00042	.00024	.00013	.0165
%RSD	.25097	.16835	.06049	.09347	.00120	.08657	69.539	.06598	.08880	.08153	.04673	.02434	.67081
#1	.49959	.52126	1.0019	.50945	.51137	.50391	.00193	5.0800	.50803	.51041	.50315	.51377	2.4672
#2	.50137	.52251	1.0028	.51012	.51136	.50329	.00567	5.0753	.50867	.51100	.50348	.51394	2.4439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.698**	**1.0178**	**19.828**	**.50759**	**.50516**	F **5.8742**	**.50962**	**.99740**	**1.0311**	**.07762**	**1.0237**	**.99920**	**5.0032**
Stddev	.009	.0020	.014	.00169	.00146	.0139	.00099	.00460	.0066	.00362	.0022	.00081	.0204
%RSD	.01830	.19505	.06951	.33333	.28967	.23711	.19451	.46116	.64448	4.6628	.21588	.08096	.40855
#1	51.692	1.0192	19.818	.50639	.50413	5.8841	.50892	.99415	1.0264	.08018	1.0221	.99977	5.0177
#2	51.705	1.0164	19.838	.50878	.50619	5.8644	.51032	1.0007	1.0358	.07506	1.0252	.99863	4.9888
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.707**	**1.0053**	**.50740**	**-.00224**	**.51159**	**1.0328**	**.03051**	**.51009**	**.50532**	**.51159**
Stddev	.044	.0033	.00030	.00106	.00026	.0079	.02013	.00158	.00078	.00236
%RSD	.40855	.32693	.06003	47.606	.05063	.76159	65.979	.31066	.15421	.46096
#1	10.738	1.0030	.50761	-.00299	.51141	1.0272	.01628	.50897	.50477	.51326
#2	10.676	1.0076	.50718	-.00148	.51178	1.0383	.04475	.51121	.50587	.50993
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.8**	**101320.**	**8310.7**
Stddev	26.7	621.	60.1
%RSD	.33044	.61335	.72286
#1	8109.7	101760.	8353.1
#2	8071.9	100880.	8268.2

Sample Name: CCB Acquired: 11/8/2013 21:16:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00318**	**.00012**	W **.00492**	**.00014**	**.00018**	**.00071**	**.00369**	**.00019**	**-.00030**	**.00010**	**.00021**
Stddev	.00008	.00050	.00139	.00025	.00001	.00008	.00088	.00336	.00002	.00036	.00023	.00030
%RSD	23.602	15.562	1146.9	5.0876	6.3111	46.287	124.69	91.003	12.072	118.28	238.96	140.74
#1	-.00029	.00353	-.00086	.00510	.00013	.00024	.00008	.00132	.00021	-.00005	-.00007	.00042
#2	-.00041	.00283	.00110	.00475	.00014	.00012	.00133	.00606	.00017	-.00055	.00026	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.15799**	**-.00068**	**.00422**	**.00002**	**.00065**	F **.41243**	**.00020**	**.00046**	**.00137**	**.05940**	F **.00777**
Stddev	.00110	.03066	.00154	.00007	.00003	.00007	.00189	.00030	.00089	.00041	.00439	.00015
%RSD	31.680	19.408	225.76	1.6618	158.25	10.154	.45853	154.76	194.32	30.139	7.3959	1.9949
#1	.00269	.13631	.00041	.00417	.00003	.00061	.41377	-.00002	-.00017	.00108	.06251	.00766
#2	.00424	.17968	-.00177	.00427	.00000	.00070	.41110	.00041	.00109	.00166	.05629	.00788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**.00420**	**.00898**	**.00020**	**.00014**	**.00187**	**.00017**	**.00020**	**-.03390**	**-.00019**	**.00304**	**.00156**
Stddev	.00024	.01827	.03909	.00011	.00010	.00006	.00038	.00067	.00641	.00039	.00004	.00102
%RSD	8.3504	435.11	435.11	58.311	71.540	3.0862	228.32	332.75	18.899	201.31	1.4626	65.441
#1	.00301	-.00872	-.01866	.00011	.00007	.00191	.00044	-.00027	-.02937	.00008	.00301	.00084
#2	.00268	.01712	.03663	.00028	.00022	.00182	-.00010	.00067	-.03843	-.00047	.00307	.00228
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8088.6**	**103210.**	**8188.2**
Stddev	.9	478.	23.9
%RSD	.01113	.46267	.29208
#1	8089.3	103550.	8171.2
#2	8088.0	102870.	8205.1

Sample Name: CCVL-2367586 Acquired: 11/8/2013 21:18:37 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00985**	**.11090**	**.01766**	**.10010**	**.01005**	**.00101**	**.12111**	**.20837**	**.00519**	**.01059**	**.01055**	**.01574**	**.10342**
Stddev	.00019	.00255	.00218	.00061	.00011	.00005	.00178	.00085	.00006	.00006	.00003	.00028	.00100
%RSD	1.9765	2.3014	12.325	.60524	1.1388	5.3516	1.4660	.40894	1.1943	.55819	.31571	1.7812	.96938
#1	.00971	.10909	.01920	.10053	.01013	.00105	.12237	.20777	.00524	.01055	.01058	.01594	.10413
#2	.00999	.11270	.01612	.09967	.00997	.00097	.11986	.20897	.00515	.01063	.01053	.01554	.10271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2106**	**.01025**	**.20915**	**.01037**	**.02005**	F **1.3957**	**.04224**	**2.8773**	**.00989**	**.05937**	**.01087**	**.01563**	**.49495**
Stddev	.0108	.00058	.00262	.00001	.00008	.0168	.00027	.0031	.00006	.00913	.00154	.00195	.00283
%RSD	.33557	5.6591	1.2515	.13480	.41133	1.2008	.63952	.10794	.63462	15.372	14.130	12.488	.57087
#1	3.2030	.01066	.20730	.01036	.02011	1.3839	.04204	2.8751	.00994	.05292	.00979	.01425	.49295
#2	3.2182	.00984	.21100	.01038	.02000	1.4076	.04243	2.8794	.00985	.06582	.01196	.01701	.49694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0592**	**.10295**	**.01042**	**.01499**	**.01016**	**.01734**	**.05212**	**.00968**	**.02478**	**.01722**
Stddev	.0060	.00037	.00006	.00022	.00050	.00189	.01427	.00037	.00022	.00096
%RSD	.57087	.36118	.58383	1.4578	4.9234	10.901	27.381	3.7858	.89361	5.5966
#1	1.0549	.10269	.01038	.01484	.00981	.01867	.04203	.00942	.02493	.01790
#2	1.0635	.10321	.01046	.01514	.01052	.01600	.06221	.00994	.02462	.01654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8102.8**	**102560.**	**8272.2**
Stddev	22.0	379.	16.8
%RSD	.27102	.36917	.20336
#1	8087.3	102290.	8260.3
#2	8118.4	102830.	8284.1

Sample Name: mb 280-199576/1-a Acquired: 11/8/2013 21:20:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00392**	**.00146**	**.00376**	**.00036**	**.00020**	**.00263**	**.00940**	**.00034**	**-.00018**
Stddev	.00008	.00014	.00028	.00023	.00004	.00006	.00080	.00249	.00007	.00018
%RSD	28.206	3.5441	19.411	6.0897	10.081	29.104	30.303	26.505	21.802	103.32
#1	-.00033	.00382	.00126	.00360	.00039	.00024	.00320	.00764	.00040	-.00030
#2	-.00022	.00402	.00167	.00392	.00033	.00016	.00207	.01116	.00029	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00000**	**.01653**	**.07902**	**.00012**	**.00031**	**.00042**	**-.00005**	**.28665**	**.00024**
Stddev	.00018	.00090	.00064	.00951	.00038	.00126	.00003	.00006	.00939	.00026
%RSD	109.17	57236.	3.8593	12.033	309.92	406.23	7.0470	120.44	3.2760	107.88
#1	.00004	.00064	.01698	.07229	.00039	.00120	.00040	-.00009	.29329	.00006
#2	.00030	-.00064	.01608	.08574	-.00015	-.00058	.00044	-.00001	.28001	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00075**	**.04256**	**.00056**	**.00496**	**.00719**	**.01539**	**-.00021**	**.00008**	**.00078**
Stddev	.00039	.00057	.00263	.00147	.00491	.00592	.01267	.00079	.00000	.00069
%RSD	289.06	75.071	6.1770	260.35	99.012	82.351	82.351	368.10	2.1056	87.850
#1	-.00014	.00115	.04070	.00160	.00842	.00300	.00643	-.00077	.00008	.00030
#2	.00041	.00035	.04442	-.00047	.00149	.01138	.02435	.00034	.00008	.00127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**-.00070**	**.00774**	**-.00065**	**.00755**	**.00079**
Stddev	.00044	.00103	.02010	.00012	.00005	.00022
%RSD	120.52	148.28	259.61	18.872	.70563	27.765
#1	.00068	-.00143	.02196	-.00074	.00751	.00063
#2	.00005	.00003	-.00647	-.00057	.00759	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.1**	**104830.**	**8363.6**
Stddev	4.1	697.	17.6
%RSD	.04946	.66536	.20995
#1	8222.2	104340.	8376.0
#2	8228.0	105320.	8351.1

Sample Name: lcs 280-199576/2-a Acquired: 11/8/2013 21:23:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04950**	**1.9675**	**1.0064**	**1.0074**	**2.0754**	**.05066**	**2.2813**	**50.065**	**.10516**	**.50070**
Stddev	.00095	.0033	.0060	.0033	.0095	.00000	.0039	.207	.00011	.00174
%RSD	1.9137	.16797	.59158	.32463	.45875	.00296	.17013	.41281	.10879	.34828
#1	.05017	1.9651	1.0022	1.0051	2.0686	.05066	2.2786	49.919	.10524	.49947
#2	.04883	1.9698	1.0106	1.0097	2.0821	.05066	2.2840	50.212	.10508	.50193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20312**	**.26095**	**1.0635**	**52.586**	**1.0256**	**49.653**	**.50344**	**1.0207**	**53.999**	**.50030**
Stddev	.00085	.00045	.0067	.178	.0054	.052	.00023	.0029	.229	.00199
%RSD	.41909	.17376	.62679	.33818	.52650	.10424	.04615	.28626	.42334	.39714
#1	.20252	.26063	1.0588	52.460	1.0218	49.690	.50360	1.0187	53.837	.49890
#2	.20372	.26127	1.0682	52.711	1.0294	49.617	.50327	1.0228	54.160	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.155**	**.50062**	**.02565**	**.51006**	**1.9907**	**10.056**	**21.519**	**2.0080**	**1.0267**	**1.0226**
Stddev	.027	.00168	.00027	.00060	.0019	.004	.009	.0041	.0031	.0039
%RSD	.27000	.33507	1.0569	.11750	.09612	.04114	.04114	.20214	.29989	.38320
#1	10.135	.49943	.02546	.50963	1.9894	10.053	21.513	2.0109	1.0245	1.0199
#2	10.174	.50180	.02584	.51048	1.9921	10.058	21.525	2.0051	1.0289	1.0254
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0312**	**1.9841**	**2.1700**	**.51752**	**.50314**	**.51641**
Stddev	.0014	.0054	.0030	.00015	.00129	.00491
%RSD	.13173	.27025	.13818	.02926	.25668	.95073
#1	1.0302	1.9879	2.1678	.51741	.50405	.51988
#2	1.0321	1.9803	2.1721	.51763	.50223	.51294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7888.1**	**98843.**	**8316.3**
Stddev	7.2	77.	46.1
%RSD	.09118	.07758	.55491
#1	7883.1	98789.	8348.9
#2	7893.2	98897.	8283.6

Sample Name: 280-48773-c-1-a Acquired: 11/8/2013 21:25:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00475**	**.00099**	**1.1743**	**.01859**	**.00012**	**.00005**	**18.818**	**.00047**	**-.00006**
Stddev	.00033	.00006	.00010	.0059	.00028	.00006	.00121	.038	.00010	.00001
%RSD	58.808	1.3606	9.9083	.49974	1.5020	52.572	2226.0	.20249	20.915	13.602
#1	-.00079	.00480	.00092	1.1701	.01839	.00007	-.00080	18.845	.00040	-.00006
#2	-.00033	.00471	.00106	1.1784	.01879	.00016	.00091	18.791	.00054	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00418**	**.00473**	**.85818**	**.03200**	**7.0276**	**.11402**	**.02998**	W **914.23**	**.00443**
Stddev	.00021	.00036	.00064	.07531	.00305	.0675	.00092	.00060	1.50	.00006
%RSD	312.42	8.6115	13.487	8.7753	9.5177	.96105	.80558	2.0163	.16442	1.4600
#1	-.00008	.00444	.00518	.80493	.02984	7.0754	.11467	.02955	915.30	.00439
#2	.00021	.00393	.00428	.91143	.03415	6.9799	.11337	.03041	913.17	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09523**	**.00053**	F **242.52**	**.00056**	**.00089**	**4.0359**	**8.6369**	**-.00066**	**.59853**	**-.00152**
Stddev	.00048	.00074	.42	.00121	.00098	.0199	.0426	.00014	.00057	.00283
%RSD	.50309	137.97	.17320	217.41	110.81	.49271	.49271	21.184	.09473	185.64
#1	.09489	.00001	242.23	.00142	.00158	4.0219	8.6068	-.00076	.59894	.00048
#2	.09557	.00106	242.82	-.00030	.00019	4.0500	8.6670	-.00056	.59813	-.00352
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00199**	**-.00327**	**.00424**	**.00551**	**-.00106**
Stddev	.00014	.00069	.06067	.00030	.00040	.00139
%RSD	39.318	34.611	1854.3	7.1627	7.2575	130.95
#1	.00026	.00151	-.04617	.00402	.00523	-.00205
#2	.00046	.00248	.03963	.00445	.00579	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7432.7**	**91914.**	**8114.9**
Stddev	5.0	421.	23.3
%RSD	.06663	.45781	.28710
#1	7436.2	91616.	8098.4
#2	7429.2	92211.	8131.4

Sample Name: 280-48773-c-1-aSD@5 Acquired: 11/8/2013 21:27:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**.01010**	**.00123**	**.24446**	**.00407**	**.00008**	**.00150**	**3.8484**	**.00033**	**-.00026**
Stddev	.00030	.00029	.00084	.00014	.00009	.00002	.00290	.0169	.00007	.00009
%RSD	49.290	2.8616	68.496	.05686	2.1793	21.231	193.51	.43854	19.963	35.950
#1	-.00040	.01030	.00183	.24456	.00414	.00009	.00354	3.8365	.00028	-.00019
#2	-.00082	.00989	.00064	.24436	.00401	.00006	-.00055	3.8604	.00037	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00170**	**.01906**	**.28576**	**.00514**	**1.4306**	**.02277**	**.00599**	**182.02**	**.00065**
Stddev	.00002	.00053	.00079	.10031	.00248	.0027	.00003	.00021	.18	.00041
%RSD	11.310	30.942	4.1692	35.103	48.250	.18800	.11718	3.4836	.09985	62.126
#1	.00017	.00207	.01850	.35669	.00689	1.4325	.02275	.00584	182.15	.00094
#2	.00014	.00133	.01962	.21483	.00339	1.4287	.02279	.00614	181.89	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01956**	**.00042**	**46.798**	**.00132**	**.00038**	**.79631**	**1.7041**	**.00299**	**.11963**	**-.00035**
Stddev	.00195	.00017	.100	.00050	.00082	.00358	.0077	.00020	.00008	.00091
%RSD	9.9711	39.576	.21402	37.808	214.49	.44925	.44925	6.5378	.06641	261.25
#1	.02093	.00030	46.869	.00167	-.00020	.79378	1.6987	.00312	.11957	.00029
#2	.01818	.00054	46.727	.00097	.00096	.79884	1.7095	.00285	.11969	-.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00060**	**-.00036**	**.00065**	**.00758**	**.00235**
Stddev	.00000	.00017	.01246	.00006	.00032	.00134
%RSD	1.5160	28.003	3442.5	8.4892	4.2260	56.831
#1	.00015	.00048	.00845	.00069	.00781	.00330
#2	.00015	.00072	-.00917	.00061	.00735	.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.2**	**97821.**	**8074.7**
Stddev	6.9	27.	43.4
%RSD	.08868	.02811	.53763
#1	7735.0	97801.	8044.1
#2	7725.3	97840.	8105.4

Sample Name: 280-48773-c-1-b ms Acquired: 11/8/2013 21:30:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04928	1.8939	1.0379	2.0689	2.0778	.05041	F 2.2025	67.626	.10581	.49266
Stddev	.00030	.0031	.0009	.0002	.0007	.00002	.0128	.059	.00043	.00039
%RSD	.60273	.16570	.08998	.00973	.03255	.04108	.58297	.08719	.40544	.07923
#1	.04907	1.8961	1.0372	2.0688	2.0773	.05043	2.1934	67.667	.10550	.49293
#2	.04949	1.8917	1.0385	2.0691	2.0783	.05040	2.2116	67.584	.10611	.49238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19967	.26195	.97344	55.633	1.0626	55.145	.61535	1.0417	W 935.86	.49812
Stddev	.00102	.00023	.00172	.142	.0002	.016	.00064	.0002	.75	.00208
%RSD	.50984	.08904	.17635	.25579	.02058	.02821	.10376	.02032	.07990	.41678
#1	.19895	.26212	.97465	55.532	1.0628	55.134	.61490	1.0418	935.33	.49666
#2	.20039	.26179	.97223	55.734	1.0624	55.156	.61581	1.0415	936.39	.49959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.669	.47521	F 233.21	.50594	2.0162	13.830	29.596	1.9611	1.6015	1.0349
Stddev	.021	.00243	.04	.00106	.0046	.078	.167	.0074	.0013	.0016
%RSD	.19657	.51048	.01929	.21023	.22694	.56486	.56486	.37641	.08327	.15293
#1	10.684	.47350	233.24	.50519	2.0129	13.775	29.478	1.9559	1.6005	1.0360
#2	10.654	.47693	233.18	.50669	2.0194	13.885	29.714	1.9663	1.6024	1.0337
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0476	1.7649	2.1336	.53097	.52115	.51504
Stddev	.0021	.0059	.0478	.00086	.00052	.00283
%RSD	.20339	.33216	2.2422	.16282	.09981	.55034
#1	1.0461	1.7608	2.1674	.53036	.52079	.51705
#2	1.0491	1.7691	2.0997	.53158	.52152	.51304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7431.7	91443.	8188.4
Stddev	15.0	554.	45.3
%RSD	.20123	.60563	.55316
#1	7421.1	91834.	8156.3
#2	7442.2	91051.	8220.4

Sample Name: 280-48773-c-1-c msd Acquired: 11/8/2013 21:32:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04959**	**1.8707**	**1.0356**	**2.0876**	**2.0712**	**.05019**	F **2.1954**	**67.888**	**.10523**	**.48994**
Stddev	.00015	.0034	.0020	.0057	.0070	.00014	.0003	.253	.00007	.00105
%RSD	.30201	.18049	.19437	.27357	.33745	.27006	.01340	.37339	.06612	.21397
#1	.04969	1.8684	1.0342	2.0836	2.0762	.05028	2.1952	68.067	.10518	.48920
#2	.04948	1.8731	1.0370	2.0917	2.0663	.05009	2.1956	67.709	.10527	.49068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19862**	**.26091**	**.96924**	**55.689**	**1.0619**	**54.957**	**.61340**	**1.0375**	W **952.85**	**.49464**
Stddev	.00037	.00066	.00031	.073	.0034	.106	.00096	.0002	2.24	.00015
%RSD	.18380	.25433	.03206	.13029	.31549	.19228	.15694	.02196	.23527	.02960
#1	.19837	.26045	.96902	55.741	1.0643	54.882	.61272	1.0374	954.44	.49454
#2	.19888	.26138	.96946	55.638	1.0595	55.031	.61408	1.0377	951.27	.49475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.693**	**.47055**	F **236.88**	**.50321**	**2.0105**	**14.019**	**30.001**	**1.9460**	**1.6099**	**1.0331**
Stddev	.003	.00215	.54	.00163	.0000	.114	.245	.0054	.0044	.0013
%RSD	.03132	.45620	.22839	.32440	.00146	.81631	.81631	.27825	.27560	.12202
#1	10.690	.46904	236.50	.50205	2.0105	13.938	29.828	1.9422	1.6130	1.0322
#2	10.695	.47207	237.26	.50436	2.0105	14.100	30.174	1.9498	1.6068	1.0340
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0371**	**1.7497**	**2.1128**	**.52646**	**.51551**	**.51675**
Stddev	.0003	.0030	.0462	.00036	.00203	.00593
%RSD	.03043	.17260	2.1883	.06872	.39466	1.1467
#1	1.0369	1.7475	2.1455	.52620	.51407	.51256
#2	1.0373	1.7518	2.0801	.52671	.51695	.52094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7496.4**	**92279.**	**8248.9**
Stddev	3.4	271.	29.5
%RSD	.04480	.29362	.35743
#1	7494.1	92471.	8228.0
#2	7498.8	92087.	8269.7

Sample Name: 280-48773-c-1-aPDS Acquired: 11/8/2013 21:34:28 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05262**	**.97596**	**.21229**	**1.2476**	**.12127**	**.05082**	**-.00066**	**38.324**	**.05294**	**.05046**
Stddev	.00080	.00134	.00080	.0030	.00006	.00004	.00465	.054	.00012	.00030
%RSD	1.5133	.13722	.37664	.24036	.04550	.07088	706.78	.14013	.23318	.59770
#1	.05205	.97501	.21172	1.2455	.12123	.05080	-.00395	38.286	.05285	.05067
#2	.05318	.97691	.21285	1.2497	.12131	.05085	.00263	38.362	.05303	.05025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05096**	**.05692**	**.97717**	**23.387**	**.13507**	**25.997**	**.16180**	**.08104**	W **915.24**	**.05473**
Stddev	.00023	.00119	.00878	.056	.00371	.035	.00007	.00028	.20	.00029
%RSD	.45570	2.0851	.89802	.24024	2.7441	.13497	.04199	.34077	.02204	.53307
#1	.05112	.05776	.97097	23.348	.13245	25.972	.16175	.08084	915.38	.05494
#2	.05079	.05608	.98338	23.427	.13769	26.022	.16184	.08123	915.10	.05453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2735**	**.09741**	F **236.35**	**.10450**	**.20664**	**8.9633**	**19.181**	**.10147**	**.63534**	**.20596**
Stddev	.0063	.00055	.21	.00189	.00009	.0506	.108	.00033	.00081	.00115
%RSD	.27873	.56345	.08725	1.8101	.04206	.56459	.56459	.32446	.12758	.56029
#1	2.2691	.09702	236.20	.10316	.20671	8.9991	19.258	.10170	.63591	.20678
#2	2.2780	.09780	236.49	.10584	.20658	8.9275	19.105	.10123	.63476	.20515
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05331**	**.17991**	**.49735**	**.05663**	**.21806**	**.05661**
Stddev	.00019	.00244	.00487	.00031	.00011	.00072
%RSD	.35949	1.3581	.97990	.54000	.04908	1.2806
#1	.05344	.17818	.50080	.05641	.21799	.05712
#2	.05317	.18164	.49391	.05684	.21814	.05610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7539.7**	**93160.**	**8364.7**
Stddev	15.0	390.	36.3
%RSD	.19908	.41830	.43359
#1	7550.3	93435.	8339.0
#2	7529.1	92884.	8390.3

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:36:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**51.342**	**.00166**	**.01153**	**.00058**	**.00004**	**1.0355**	**.01960**	**-.00002**	**-.00070**	**-.00017**	**.00817**	**49.644**
Stddev	.00042	.129	.00012	.00070	.00001	.00004	.0010	.00180	.00013	.00037	.00004	.00037	.273
%RSD	11.933	.25215	7.3009	6.0447	1.2758	105.12	.09476	9.1924	574.49	52.865	23.320	4.5796	.55058
#1	.00382	51.433	.00175	.01202	.00057	.00007	1.0362	.02087	-.00011	-.00096	-.00020	.00844	49.451
#2	.00323	51.250	.00157	.01103	.00058	.00001	1.0348	.01832	.00007	-.00044	-.00014	.00791	49.837
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34386**	**.00291**	**.08918**	**.00038**	**-.00006**	**261.27**	**-.00015**	**.00431**	**.00115**	**5.2234**	**.00021**	**-.00172**	**.03660**
Stddev	.06811	.00106	.00379	.00004	.00009	1.28	.00002	.00065	.00105	.0202	.00007	.00081	.00007
%RSD	19.809	36.389	4.2495	10.697	141.90	.48990	13.534	15.033	91.731	.38572	33.301	47.171	.20220
#1	.39202	.00366	.08650	.00041	.00000	262.18	-.00016	.00477	.00189	5.2092	.00026	-.00229	.03655
#2	.29570	.00216	.09186	.00035	-.00012	260.37	-.00013	.00385	.00040	5.2377	.00016	-.00114	.03666
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07833**	**-.00035**	**.00073**	**4.9193**	**-.00531**	**.00071**	**10.402**	**.00031**	**.00223**	**.02008**
Stddev	.00016	.00019	.00007	.0022	.00065	.00040	.027	.00061	.00055	.00318
%RSD	.20220	55.090	9.5795	.04513	12.208	56.513	.25991	196.31	24.580	15.819
#1	.07822	-.00021	.00078	4.9177	-.00576	.00043	10.383	.00074	.00261	.02233
#2	.07844	-.00048	.00068	4.9208	-.00485	.00099	10.421	-.00012	.00184	.01784
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7963.6**	**99017.**	**8440.5**
Stddev	2.8	164.	59.2
%RSD	.03483	.16578	.70130
#1	7965.6	99133.	8398.6
#2	7961.6	98901.	8482.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 21:39:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50338**	**.52260**	**1.0162**	**.51573**	**.51230**	**.50424**	**.00056**	**5.0764**	**.51257**	**.51311**	**.50576**	**.51806**	**2.4428**
Stddev	.00020	.00044	.0025	.00061	.00078	.00293	.00092	.0081	.00045	.00010	.00025	.00078	.0207
%RSD	.03904	.08495	.24633	.11836	.15150	.58041	164.63	.16007	.08825	.01968	.04889	.14987	.84767
#1	.50352	.52229	1.0144	.51530	.51175	.50217	-.00009	5.0706	.51225	.51303	.50593	.51751	2.4282
#2	.50324	.52292	1.0179	.51616	.51285	.50631	.00120	5.0821	.51289	.51318	.50558	.51861	2.4574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.783**	**1.0187**	**19.855**	**.50700**	**.51241**	F **5.8733**	**.51529**	**1.0139**	**1.0425**	**.05912**	**1.0463**	**1.0206**	**4.9864**
Stddev	.187	.0000	.060	.00054	.00384	.0007	.00525	.0058	.0066	.00231	.0011	.0015	.0425
%RSD	.36049	.00136	.30330	.10640	.74922	.01260	1.0191	.57614	.63764	3.9149	.10576	.15215	.85219
#1	51.651	1.0187	19.898	.50738	.50969	5.8728	.51158	1.0098	1.0378	.05748	1.0471	1.0195	4.9564
#2	51.915	1.0187	19.812	.50661	.51512	5.8738	.51900	1.0180	1.0472	.06076	1.0456	1.0217	5.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0208**	**.50804**	**-.00313**	**.51231**	**1.0491**	**.01816**	**.51286**	**.50389**	**.50798**
Stddev	.091	.0003	.00117	.00036	.00104	.0017	.02503	.00031	.00051	.00343
%RSD	.85219	.02995	.23104	11.593	.20240	.16066	137.83	.06005	.10204	.67454
#1	10.607	1.0206	.50721	-.00288	.51157	1.0502	.00046	.51308	.50425	.50556
#2	10.735	1.0210	.50887	-.00339	.51304	1.0479	.03587	.51264	.50353	.51041
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8165.7**	**103500.**	**8501.6**
Stddev	2.2	107.	69.7
%RSD	.02681	.10315	.81949
#1	8164.1	103420.	8550.9
#2	8167.2	103570.	8452.4

Sample Name: CCB Acquired: 11/8/2013 21:41:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00268**	**-.00078**	W **.00532**	**-.00005**	**.00017**	**.00194**	**.00487**	**.00020**	**-.00009**	**.00000**	**-.00019**
Stddev	.00019	.00027	.00270	.00017	.00029	.00000	.00023	.00443	.00004	.00001	.00001	.00004
%RSD	128.64	9.9198	347.07	3.1723	564.27	2.6980	11.672	90.997	17.618	14.913	307.99	21.267
#1	.00001	.00287	-.00269	.00520	.00015	.00016	.00178	.00174	.00018	-.00010	.00001	-.00016
#2	.00028	.00249	.00113	.00544	-.00026	.00017	.00210	.00801	.00023	-.00008	-.00001	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00587**	**.15807**	**.00084**	**.00456**	**.00001**	**.00063**	F **.41317**	**-.00030**	**-.00071**	**.00193**	**.04774**	F **.00801**
Stddev	.00123	.03217	.00067	.00034	.00000	.00008	.02794	.00013	.00049	.00010	.00254	.00506
%RSD	20.942	20.349	80.144	7.4782	51.687	12.698	6.7616	42.958	69.601	5.4243	5.3117	63.100
#1	.00674	.18081	.00036	.00480	.00000	.00058	.43293	-.00039	-.00106	.00186	.04954	.00444
#2	.00500	.13532	.00131	.00432	.00001	.00069	.39342	-.00021	-.00036	.00201	.04595	.01159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.01210**	**.02588**	**.00026**	**.00018**	**-.00059**	**.00036**	**.00009**	**.01248**	**-.00051**	**.00345**	**.00012**
Stddev	.00498	.00363	.00776	.00055	.00009	.00002	.00027	.00206	.00740	.00004	.00053	.00039
%RSD	478.76	29.996	29.996	215.01	51.298	2.6519	75.998	2276.5	59.332	7.5217	15.452	319.05
#1	-.00248	.00953	.02039	-.00013	.00012	-.00058	.00055	.00155	.01772	-.00048	.00308	-.00015
#2	.00456	.01466	.03137	.00065	.00025	-.00060	.00017	-.00137	.00724	-.00054	.00383	.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.0**	**105170.**	**8398.8**
Stddev	7.6	415.	25.8
%RSD	.09307	.39440	.30680
#1	8198.6	105470.	8417.0
#2	8209.4	104880.	8380.6

Sample Name: CCVL-2367586 Acquired: 11/8/2013 21:43:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01020**	**.11092**	**.01591**	**.10412**	**.01078**	**.00118**	**.12838**	**.21744**	**.00555**	**.01114**	**.01079**	**.01603**	**.10348**
Stddev	.00024	.00009	.00278	.00052	.00001	.00006	.00074	.00080	.00001	.00006	.00028	.00034	.00237
%RSD	2.3408	.07690	17.445	.50197	.12647	5.0952	.57500	.36988	.24354	.55438	2.5773	2.1043	2.2858
#1	.01003	.11098	.01395	.10449	.01077	.00123	.12890	.21687	.00556	.01119	.01059	.01579	.10181
#2	.01037	.11086	.01787	.10375	.01079	.00114	.12786	.21801	.00554	.01110	.01098	.01627	.10515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2948**	**.01102**	**.21367**	**.01056**	**.02098**	F **1.3884**	**.04345**	**2.9739**	**.01115**	**.04234**	**.01171**	**.01784**	**.51881**
Stddev	.0334	.00190	.00431	.00000	.00039	.0047	.00013	.0017	.00005	.00076	.00107	.00124	.00529
%RSD	1.0127	17.237	2.0167	.02287	1.8388	.34178	.29355	.05586	.45631	1.7924	9.1043	6.9265	1.0201
#1	3.2712	.01237	.21063	.01056	.02070	1.3850	.04335	2.9751	.01119	.04287	.01096	.01697	.51507
#2	3.3184	.00968	.21672	.01055	.02125	1.3917	.04354	2.9727	.01111	.04180	.01247	.01871	.52255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1103**	**.10524**	**.01056**	**.01502**	**.00989**	**.01621**	**.07347**	**.01002**	**.02565**	**.01624**
Stddev	.0113	.00012	.00005	.00042	.00030	.00154	.03296	.00030	.00058	.00003
%RSD	1.0201	.11870	.45364	2.8205	3.0650	9.4765	44.859	3.0139	2.2477	.17166
#1	1.1022	.10532	.01053	.01472	.01011	.01730	.09678	.00981	.02525	.01626
#2	1.1183	.10515	.01059	.01532	.00968	.01512	.05017	.01023	.02606	.01622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.9**	**104580.**	**8516.2**
Stddev	11.4	1231.	7.9
%RSD	.14026	1.1767	.09330
#1	8126.0	105450.	8510.6
#2	8109.9	103710.	8521.8

Sample Name: 280-48773-c-4-a Acquired: 11/8/2013 21:45:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00045**	**.00598**	**-.00041**	**1.0848**	**.01177**	**.00019**	**.00333**	**54.432**	**.00045**	**-.00040**
Stddev	.00021	.00362	.00038	.0014	.00034	.00001	.00338	.066	.00001	.00013
%RSD	45.692	60.513	93.175	.12703	2.8592	5.0747	101.47	.12067	2.8324	31.986
#1	-.00060	.00342	-.00068	1.0839	.01153	.00020	.00573	54.385	.00046	-.00049
#2	-.00031	.00854	-.00014	1.0858	.01201	.00018	.00094	54.478	.00044	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00404**	**.02893**	**.77809**	**.04052**	**11.026**	**.13658**	**.00628**	W **953.18**	**.00073**
Stddev	.00018	.00030	.00222	.11542	.00092	.016	.00016	.00014	3.09	.00019
%RSD	46.550	7.4577	7.6583	14.834	2.2607	.14386	.11501	2.2452	.32387	26.169
#1	.00026	.00382	.02737	.69647	.03987	11.037	.13669	.00638	951.00	.00087
#2	.00051	.00425	.03050	.85970	.04117	11.014	.13647	.00618	955.37	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01964**	**-.00023**	F **327.36**	**.00124**	**.00320**	**4.6806**	**10.016**	**-.00019**	**1.3435**	**-.00344**
Stddev	.00096	.00062	.96	.00028	.00285	.0671	.144	.00056	.0010	.00000
%RSD	4.8733	263.09	.29348	22.389	88.999	1.4336	1.4336	300.33	.07261	.01300
#1	.02032	.00020	328.04	.00143	.00119	4.6331	9.9149	-.00058	1.3428	-.00344
#2	.01897	-.00067	326.68	.00104	.00522	4.7280	10.118	.00021	1.3442	-.00344
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00084**	**.09046**	**.00442**	**.01095**	**.00139**
Stddev	.00012	.00002	.00491	.00091	.00037	.00014
%RSD	326.13	2.9183	5.4247	20.694	3.4205	9.7314
#1	-.00005	.00086	.08699	.00506	.01069	.00149
#2	.00012	.00082	.09393	.00377	.01122	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7457.0**	**91746.**	**8299.8**
Stddev	3.0	279.	92.0
%RSD	.04056	.30444	1.1089
#1	7454.8	91549.	8364.9
#2	7459.1	91944.	8234.8

Sample Name: 280-48773-c-5-a Acquired: 11/8/2013 21:48:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.00276**	**.00167**	**1.6599**	**.01299**	**.00008**	**-.00198**	**85.081**	**.00062**	**-.00047**
Stddev	.00041	.00019	.00278	.0014	.00018	.00005	.00233	.528	.00003	.00006
%RSD	48.503	6.7026	166.41	.08661	1.3769	64.294	117.59	.62117	5.1245	13.570
#1	-.00055	.00263	-.00030	1.6589	.01286	.00011	-.00363	85.454	.00060	-.00042
#2	-.00112	.00289	.00364	1.6609	.01312	.00004	-.00033	84.707	.00064	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00284**	**.00610**	**1.7313**	**.09766**	**15.712**	**.15588**	**.00705**	W **1280.2**	**.00095**
Stddev	.00003	.00005	.00029	.1209	.00150	.006	.00020	.00006	8.7	.00032
%RSD	10.748	1.9259	4.8250	6.9811	1.5345	.04064	.12802	.88220	.68037	33.634
#1	.00022	.00280	.00589	1.6458	.09660	15.717	.15574	.00701	1286.4	.00117
#2	.00025	.00288	.00631	1.8167	.09872	15.708	.15602	.00710	1274.0	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03850**	**.00033**	F **481.06**	**-.00064**	**.03424**	**5.9591**	**12.752**	**-.00144**	**2.3673**	**-.00423**
Stddev	.00348	.00044	.19	.00073	.00135	.0079	.017	.00028	.0176	.00091
%RSD	9.0479	133.14	.03958	113.97	3.9468	.13195	.13195	19.543	.74167	21.589
#1	.03603	.00002	481.20	-.00115	.03328	5.9646	12.764	-.00124	2.3798	-.00488
#2	.04096	.00064	480.93	-.00012	.03519	5.9535	12.741	-.00164	2.3549	-.00359
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00069**	**.10322**	**.00222**	**.00484**	**.00144**
Stddev	.00049	.00122	.02558	.00011	.00063	.00035
%RSD	1097.0	176.67	24.782	5.0007	12.977	24.550
#1	-.00039	-.00017	.12131	.00214	.00528	.00119
#2	.00030	.00155	.08513	.00230	.00439	.00169
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7373.9**	**89816.**	**8201.2**
Stddev	.8	59.	5.1
%RSD	.01097	.06557	.06279
#1	7373.3	89858.	8197.6
#2	7374.4	89774.	8204.8

Sample Name: 280-48773-c-6-a Acquired: 11/8/2013 21:51:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**.00338**	**.00181**	**1.8263**	**.00754**	**.00016**	**.00162**	**29.434**	**.00033**	**-.00042**
Stddev	.00034	.00036	.00129	.0044	.00001	.00006	.00097	.167	.00024	.00011
%RSD	40.477	10.575	71.190	.24317	.18390	36.044	59.634	.56577	74.472	26.613
#1	-.00107	.00312	.00090	1.8232	.00753	.00020	.00094	29.316	.00050	-.00034
#2	-.00059	.00363	.00273	1.8294	.00755	.00012	.00231	29.551	.00015	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.00253**	**.00260**	**1.5634**	**.29730**	**5.2358**	**.00040**	**.00836**	W **944.08**	**.00060**
Stddev	.00006	.00032	.00031	.1372	.00017	.0186	.00002	.00019	4.87	.00025
%RSD	3.2600	12.664	11.801	8.7755	.05716	.35544	4.8759	2.2840	.51635	41.375
#1	.00182	.00231	.00282	1.4664	.29742	5.2226	.00039	.00850	940.63	.00042
#2	.00174	.00276	.00239	1.6604	.29718	5.2490	.00041	.00823	947.53	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02296**	**.00047**	F **412.31**	**.00067**	**.08845**	**3.9753**	**8.5072**	**.00355**	**2.1090**	**-.00046**
Stddev	.00008	.00001	.10	.00111	.00353	.0130	.0279	.00001	.0118	.00041
%RSD	.35968	1.9429	.02427	166.37	3.9861	.32788	.32788	.17614	.55966	88.548
#1	.02302	.00048	412.24	.00145	.09095	3.9845	8.5269	.00356	2.1006	-.00075
#2	.02290	.00046	412.38	-.00012	.08596	3.9661	8.4875	.00355	2.1173	-.00017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00051**	**.07386**	**.01597**	**.00782**	**.00120**
Stddev	.00021	.00132	.01331	.00048	.00084	.00174
%RSD	58.811	259.51	18.016	2.9962	10.773	144.54
#1	-.00021	.00145	.06445	.01630	.00722	.00243
#2	-.00050	-.00043	.08327	.01563	.00842	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7562.2**	**93524.**	**8354.9**
Stddev	24.9	865.	2.9
%RSD	.32941	.92488	.03505
#1	7579.8	94136.	8352.8
#2	7544.6	92912.	8357.0

Sample Name: 280-48773-c-7-a Acquired: 11/8/2013 21:53:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00574**	**.00121**	**1.4349**	**.00860**	**.00003**	**.00030**	**21.785**	**.00005**	**-.00056**
Stddev	.00017	.00016	.00347	.0024	.00010	.00000	.00202	.049	.00009	.00000
%RSD	356.75	2.8444	287.86	.16391	1.1469	7.8634	671.49	.22702	178.57	.07157
#1	.00007	.00585	.00366	1.4366	.00853	.00003	.00173	21.750	-.00001	-.00056
#2	-.00017	.00562	-.00125	1.4333	.00867	.00003	-.00113	21.820	.00012	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00246**	**.01301**	**2.4669**	**.46584**	**2.5113**	**.00024**	**.00152**	W **1085.4**	**.00013**
Stddev	.00016	.00022	.00079	.0089	.00253	.0140	.00000	.00006	2.3	.00032
%RSD	21.549	8.9065	6.0419	.36251	.54288	.55845	1.3295	3.7908	.20996	249.73
#1	.00088	.00261	.01246	2.4732	.46763	2.5212	.00024	.00148	1083.7	-.00010
#2	.00065	.00230	.01357	2.4606	.46405	2.5014	.00024	.00156	1087.0	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01480**	**.00061**	F **385.45**	**-.00048**	**.07752**	**4.3947**	**9.4047**	**-.00101**	**1.7019**	**-.00352**
Stddev	.00020	.00051	.15	.00123	.00047	.0535	.1144	.00130	.0030	.00012
%RSD	1.3393	83.602	.03772	258.89	.61070	1.2165	1.2165	128.59	.17770	3.3922
#1	.01466	.00025	385.35	-.00135	.07785	4.4325	9.4856	-.00009	1.6997	-.00344
#2	.01494	.00098	385.55	.00040	.07718	4.3569	9.3238	-.00193	1.7040	-.00361
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**-.00073**	**.05814**	**.04553**	**.00443**	**.00171**
Stddev	.00017	.00267	.03100	.00014	.00052	.00292
%RSD	35.780	364.42	53.323	.30452	11.844	170.68
#1	.00036	-.00262	.08007	.04563	.00480	-.00035
#2	.00060	.00116	.03622	.04544	.00406	.00377
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7557.3**	**92691.**	**8281.5**
Stddev	12.4	449.	7.4
%RSD	.16451	.48463	.08959
#1	7548.5	92373.	8286.7
#2	7566.1	93009.	8276.2

Sample Name: 280-48773-c-8-a Acquired: 11/8/2013 21:56:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.01099**	**.00168**	**1.3132**	**.01313**	**.00008**	**-.00027**	**48.973**	**.00047**	**-.00044**
Stddev	.00025	.00036	.00194	.0010	.00041	.00003	.00176	.226	.00003	.00003
%RSD	52.180	3.2839	115.61	.07570	3.0925	41.538	661.82	.46237	6.0004	8.0197
#1	-.00065	.01124	.00031	1.3139	.01342	.00006	.00098	48.813	.00049	-.00046
#2	-.00030	.01073	.00305	1.3125	.01284	.00010	-.00151	49.133	.00045	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00247**	**.01065**	**1.4019**	**.16140**	**10.647**	**.00575**	**.00147**	W **997.19**	**.00015**
Stddev	.00013	.00105	.00111	.0987	.00183	.002	.00001	.00001	4.05	.00002
%RSD	44.077	42.586	10.418	7.0411	1.1336	.02097	.12334	.45630	.40586	15.317
#1	.00020	.00173	.01143	1.3321	.16011	10.648	.00575	.00147	994.32	.00017
#2	.00037	.00321	.00986	1.4717	.16270	10.645	.00576	.00148	1000.0	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04607**	**.00081**	F **352.66**	**-.00368**	**.06464**	**4.3708**	**9.3536**	**-.00075**	**1.7524**	**-.00275**
Stddev	.00285	.00059	.05	.00072	.00326	.0023	.0049	.00004	.0037	.00077
%RSD	6.1954	72.739	.01471	19.685	5.0472	.05195	.05195	4.7318	.21019	27.900
#1	.04809	.00123	352.70	-.00317	.06695	4.3724	9.3570	-.00078	1.7498	-.00329
#2	.04405	.00040	352.63	-.00419	.06234	4.3692	9.3502	-.00073	1.7550	-.00221
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00039**	**.03792**	**.00203**	**.01532**	**-.00036**
Stddev	.00014	.00006	.00816	.00015	.00004	.00192
%RSD	63.141	14.064	21.530	7.5551	.25593	537.26
#1	.00012	.00043	.03215	.00214	.01529	-.00172
#2	.00032	.00035	.04370	.00192	.01535	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7581.6**	**93437.**	**8522.0**
Stddev	12.8	894.	6.4
%RSD	.16918	.95649	.07474
#1	7590.7	92805.	8526.5
#2	7572.5	94069.	8517.5

Sample Name: CCVH-2357613 Acquired: 11/8/2013 21:59:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00340**	**50.673**	**.00362**	**.01195**	**.00024**	**.00006**	**1.0140**	**.02354**	**.00005**	**-.00060**	**-.00021**	**.00777**
Stddev	.00023	.185	.00274	.00085	.00030	.00003	.0008	.00419	.00035	.00001	.00023	.00036
%RSD	6.6909	.36582	75.683	7.1440	121.83	55.668	.07756	17.821	659.42	1.5181	108.03	4.6315
#1	.00356	50.542	.00556	.01256	.00003	.00004	1.0146	.02650	.00030	-.00060	-.00005	.00802
#2	.00324	50.804	.00168	.01135	.00045	.00008	1.0135	.02057	-.00019	-.00061	-.00038	.00751
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.292**	**.31674**	**.00155**	**.08046**	**.00031**	**-.00025**	**257.73**	**-.00019**	**.00004**	**.00235**	W **5.2592**	**.00128**
Stddev	.302	.02472	.00272	.00298	.00004	.00004	.27	.00004	.00000	.00058	.0881	.00020
%RSD	.61180	7.8058	174.74	3.7006	12.395	16.510	.10305	20.688	10.983	24.918	1.6741	15.590
#1	49.079	.33422	.00348	.07835	.00028	-.00028	257.54	-.00016	.00004	.00276	5.3215	.00142
#2	49.505	.29926	-.00037	.08257	.00034	-.00022	257.92	-.00022	.00004	.00193	5.1970	.00114
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00304**	**.02119**	**.04534**	**-.00012**	**.00102**	**4.8672**	**-.00531**	**.00062**	**10.133**	**.00035**	**.00273**	**.02082**
Stddev	.00307	.01794	.03838	.00190	.00014	.0385	.00032	.00148	.080	.00072	.00038	.00173
%RSD	101.00	84.660	84.660	1583.0	14.119	.79122	5.9622	240.25	.78697	209.43	13.861	8.2881
#1	-.00087	.03387	.07248	.00123	.00112	4.8400	-.00554	-.00043	10.077	.00086	.00246	.02204
#2	-.00520	.00850	.01820	-.00147	.00092	4.8944	-.00509	.00166	10.189	-.00017	.00300	.01960
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7971.3**	**98736.**	**8279.6**
Stddev	6.3	743.	59.4
%RSD	.07882	.75230	.71734
#1	7966.9	99261.	8321.6
#2	7975.8	98211.	8237.6

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:01:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49796**	**.52736**	**.99683**	**.50989**	**.50490**	**.49703**	**.00232**	**5.0137**	**.50472**	**.50481**	**.49925**	**.50925**	**2.4359**
Stddev	.00004	.01716	.00040	.00153	.00308	.00056	.00074	.0020	.00129	.00112	.00008	.00007	.0319
%RSD	.00724	3.2543	.03983	.29976	.60987	.11330	31.769	.03926	.25475	.22201	.01620	.01461	1.3113
#1	.49793	.53950	.99655	.51097	.50273	.49663	.00284	5.0123	.50381	.50402	.49931	.50920	2.4134
#2	.49799	.51523	.99711	.50881	.50708	.49743	.00180	5.0151	.50563	.50561	.49919	.50930	2.4585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.483**	**1.0106**	**19.728**	**.50017**	**.50707**	F **6.0631**	**.50559**	**1.0018**	**1.0316**	**.34779**	**1.0202**	**1.0057**	**4.9205**
Stddev	.054	.0039	.004	.00037	.00052	.0526	.00008	.0025	.0018	.30409	.0020	.0006	.0483
%RSD	.10509	.38799	.02212	.07332	.10163	.86743	.01566	.24519	.17410	87.437	.19986	.05934	.98054
#1	51.445	1.0078	19.725	.50043	.50744	6.1003	.50554	1.0035	1.0329	.56281	1.0216	1.0053	4.8864
#2	51.521	1.0134	19.731	.49991	.50671	6.0259	.50565	1.0000	1.0303	.13276	1.0187	1.0062	4.9546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.530**	**1.0072**	**.50162**	**-.00232**	**.50344**	**1.0288**	**.01037**	**.50485**	**.50163**	**.50214**
Stddev	.103	.0008	.00212	.00006	.00080	.0007	.02941	.00109	.00043	.00558
%RSD	.98054	.08179	.42312	2.6057	.15980	.06986	283.66	.21571	.08576	1.1113
#1	10.457	1.0078	.50012	-.00236	.50400	1.0283	-.01043	.50408	.50194	.49819
#2	10.603	1.0066	.50312	-.00228	.50287	1.0293	.03116	.50562	.50133	.50608
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8163.8**	**103640.**	**8397.6**
Stddev	2.1	655.	85.1
%RSD	.02520	.63230	1.0129
#1	8165.2	104100.	8457.7
#2	8162.3	103170.	8337.4

Sample Name: CCB Acquired: 11/8/2013 22:03:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00356**	**.00411**	W **.00559**	**.00031**	**.00027**	**.00193**	**.00527**	**.00019**	**-.00008**	**.00009**	**.00028**
Stddev	.00034	.00005	.00181	.00012	.00012	.00010	.00270	.00043	.00012	.00031	.00005	.00019
%RSD	185.92	1.3297	43.923	2.1486	38.189	38.198	140.14	8.1811	64.658	379.21	51.968	65.695
#1	.00006	.00352	.00284	.00568	.00040	.00034	.00384	.00557	.00028	-.00030	.00006	.00015
#2	-.00043	.00359	.00539	.00551	.00023	.00019	.00002	.00496	.00010	.00014	.00012	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00435**	**.15488**	**.00028**	**.00278**	**.00006**	**.00054**	F **.54769**	**-.00029**	**.00228**	**.00091**	**.08677**	F **.00786**
Stddev	.00169	.01571	.00159	.00114	.00004	.00008	.01868	.00015	.00001	.00050	.00361	.00121
%RSD	38.793	10.141	566.31	41.010	70.172	14.665	3.4108	53.945	.25753	54.384	4.1613	15.364
#1	.00555	.14378	.00140	.00359	.00003	.00049	.56090	-.00039	.00228	.00126	.08932	.00871
#2	.00316	.16599	-.00084	.00197	.00009	.00060	.53449	-.00018	.00228	.00056	.08421	.00700
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**.01049**	**.02244**	**-.00054**	W **.00035**	**.00194**	**.00006**	**.00061**	**-.01097**	**-.00068**	**.00336**	**-.00115**
Stddev	.00118	.00385	.00823	.00041	.00010	.00168	.00025	.00128	.00713	.00003	.00009	.00106
%RSD	69.763	36.672	36.672	75.401	28.501	86.689	395.35	209.59	65.002	4.8843	2.5533	91.901
#1	-.00086	.00777	.01662	-.00083	.00042	.00075	-.00011	.00152	-.00593	-.00070	.00342	-.00191
#2	-.00253	.01321	.02826	-.00025	.00028	.00312	.00024	-.00030	-.01601	-.00066	.00330	-.00040
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8184.7**	**104420.**	**8253.6**
Stddev	23.5	439.	124.6
%RSD	.28661	.42038	1.5100
#1	8201.3	104730.	8341.7
#2	8168.1	104110.	8165.5

Sample Name: CCVL-2367586 Acquired: 11/8/2013 22:05:46 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01013**	**.10878**	**.01735**	**.10249**	**.01013**	**.00114**	**.12672**	**.21287**	**.00539**	**.01070**	**.01068**	**.01564**	**.10166**
Stddev	.00057	.00029	.00118	.00094	.00016	.00001	.00248	.00284	.00012	.00017	.00012	.00023	.00229
%RSD	5.6464	.26452	6.8207	.91747	1.5745	.86918	1.9544	1.3346	2.2416	1.5880	1.1159	1.4575	2.2572
#1	.00973	.10899	.01651	.10315	.01001	.00115	.12847	.21086	.00548	.01082	.01077	.01548	.10003
#2	.01054	.10858	.01818	.10182	.01024	.00113	.12497	.21487	.00531	.01058	.01060	.01580	.10328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2123**	**.01021**	**.20944**	**.01036**	**.02059**	F **1.4806**	**.04207**	**2.9100**	**.01132**	**.07120**	**.01183**	**.01701**	**.50389**
Stddev	.0385	.00137	.00217	.00006	.00028	.0056	.00024	.0019	.00230	.00040	.00022	.00141	.01520
%RSD	1.1980	13.412	1.0370	.58359	1.3685	.38057	.57992	.06472	20.334	.55639	1.8269	8.3171	3.0174
#1	3.1851	.01118	.21097	.01040	.02079	1.4846	.04189	2.9113	.00969	.07148	.01198	.01801	.49314
#2	3.2395	.00924	.20790	.01032	.02039	1.4766	.04224	2.9086	.01295	.07092	.01168	.01601	.51464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0783**	**.10354**	**.01037**	**.01492**	**.01005**	**.01574**	**.07461**	**.00994**	**.02497**	**.01619**
Stddev	.0325	.00099	.00000	.00097	.00014	.00074	.00940	.00017	.00018	.00182
%RSD	3.0174	.95947	.04780	6.5206	1.3447	4.7104	12.599	1.6759	.72790	11.224
#1	1.0553	.10283	.01037	.01561	.00996	.01522	.06797	.00982	.02484	.01748
#2	1.1013	.10424	.01037	.01424	.01015	.01626	.08126	.01006	.02510	.01491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.2**	**104560.**	**8310.7**
Stddev	7.1	477.	10.1
%RSD	.08671	.45589	.12178
#1	8194.2	104220.	8303.5
#2	8204.2	104900.	8317.9

Sample Name: mb 280-199735/1-a Acquired: 11/8/2013 22:08:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00035**	**.00496**	**.00076**	W **.00488**	**-.00006**	**.00018**	**.00141**	**.01225**	**.00037**	**-.00015**
Stddev	.00047	.00006	.00240	.00054	.00025	.00004	.00045	.00013	.00002	.00016
%RSD	136.82	1.1182	315.59	11.051	392.12	24.550	32.081	1.0648	5.9719	105.95
#1	-.00001	.00499	.00246	.00450	.00011	.00021	.00109	.01234	.00035	-.00004
#2	-.00068	.00492	-.00094	.00526	-.00024	.00015	.00172	.01216	.00039	-.00027
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00033**	**.01202**	**.09319**	**-.00009**	**.00018**	**.00019**	**-.00003**	W **.36507**	**-.00028**
Stddev	.00003	.00022	.00101	.03086	.00323	.00028	.00004	.00004	.01348	.00016
%RSD	9.8194	66.122	8.3930	33.119	3686.7	152.19	18.660	143.80	3.6932	54.724
#1	.00029	.00048	.01130	.11501	-.00237	-.00001	.00022	.00000	.35553	-.00017
#2	.00025	.00018	.01273	.07136	.00219	.00038	.00017	-.00006	.37460	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00150**	**.00112**	F **.05975**	**-.00012**	**.00459**	F **.02095**	**.04484**	**.00016**	**.00016**	**-.00003**
Stddev	.00175	.00047	.00392	.00197	.00109	.00320	.00685	.00038	.00006	.00021
%RSD	116.81	41.806	6.5549	1607.5	23.798	15.275	15.275	238.97	34.318	618.25
#1	.00274	.00145	.05698	-.00151	.00382	.02322	.04968	.00043	.00012	.00011
#2	.00026	.00079	.06252	.00127	.00536	.01869	.04000	-.00011	.00020	-.00018
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00018**	**-.00439**	**-.00019**	W **.00372**	**.00247**
Stddev	.00053	.00020	.00694	.00021	.00016	.00019
%RSD	176.47	109.55	158.18	109.79	4.2382	7.6446
#1	.00067	.00032	.00052	-.00004	.00383	.00260
#2	-.00007	.00004	-.00929	-.00033	.00361	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8305.1**	**106090.**	**8439.2**
Stddev	38.2	392.	53.8
%RSD	.46019	.36992	.63739
#1	8278.1	105810.	8401.2
#2	8332.1	106370.	8477.3

Sample Name: lcs 280-199735/2-a Acquired: 11/8/2013 22:10:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04761**	**1.9413**	**.99760**	**1.0016**	**2.0490**	**.05012**	**2.2736**	**49.631**	**.10418**	**.49645**
Stddev	.00017	.0042	.00116	.0027	.0094	.00036	.0038	.348	.00034	.00175
%RSD	.36570	.21548	.11626	.27305	.45892	.71003	.16706	.70055	.33064	.35280
#1	.04749	1.9443	.99842	1.0035	2.0424	.04986	2.2763	49.385	.10442	.49769
#2	.04774	1.9384	.99678	.99968	2.0557	.05037	2.2709	49.877	.10394	.49521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20319**	**.25914**	**.98398**	**52.324**	**1.0172**	**49.404**	**.50098**	**1.0274**	**54.215**	**.49744**
Stddev	.00042	.00034	.00068	.380	.0082	.096	.00118	.0024	.674	.00127
%RSD	.20765	.13313	.06882	.72647	.80758	.19474	.23551	.23774	1.2425	.25527
#1	.20349	.25889	.98446	52.055	1.0114	49.472	.50181	1.0291	53.739	.49834
#2	.20289	.25938	.98350	52.593	1.0230	49.336	.50014	1.0256	54.692	.49654
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.077**	**.49583**	**.03908**	**.50306**	**1.9714**	**10.081**	**21.574**	**2.0257**	**1.0153**	**1.0204**
Stddev	.024	.00117	.00180	.00074	.0039	.118	.253	.0002	.0046	.0068
%RSD	.24231	.23600	4.6022	.14643	.19776	1.1743	1.1743	.01123	.44894	.66925
#1	10.094	.49666	.04035	.50254	1.9742	9.9975	21.395	2.0258	1.0121	1.0252
#2	10.060	.49500	.03781	.50358	1.9687	10.165	21.753	2.0255	1.0185	1.0156
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0307**	**1.9697**	**2.1813**	**.51554**	**.49798**	**.51851**
Stddev	.0002	.0066	.0326	.00172	.00038	.00578
%RSD	.02073	.33627	1.4936	.33358	.07730	1.1157
#1	1.0309	1.9744	2.2043	.51676	.49771	.51442
#2	1.0306	1.9650	2.1582	.51432	.49825	.52260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7914.3**	**99457.**	**8322.5**
Stddev	6.3	371.	100.2
%RSD	.07986	.37280	1.2039
#1	7909.8	99195.	8393.4
#2	7918.7	99719.	8251.7

Sample Name: 280-48896-a-1-a Acquired: 11/8/2013 22:12:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.05495**	**-.00109**	**.03585**	**.23107**	**.00012**	**.00032**	**24.686**	**.00047**	**.00087**
Stddev	.00026	.00008	.00216	.00003	.00037	.00001	.00305	.086	.00013	.00007
%RSD	453.68	.14349	197.84	.08458	.16117	5.4401	965.70	.34739	27.413	7.7048
#1	-.00025	.05500	.00043	.03583	.23133	.00012	-.00184	24.747	.00038	.00092
#2	.00013	.05489	-.00261	.03587	.23080	.00013	.00248	24.626	.00056	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.90466**	**.43959**	**15.030**	**.00745**	**5.5010**	**.17315**	**.00129**	**126.02**	**.04556**
Stddev	.00011	.00548	.00148	.005	.00197	.0252	.00128	.00047	.23	.00017
%RSD	7.2326	.60605	.33691	.03560	26.501	.45768	.73779	36.141	.18588	.37941
#1	.00147	.90078	.43854	15.026	.00606	5.4832	.17225	.00096	126.19	.04544
#2	.00163	.90854	.44064	15.034	.00885	5.5188	.17405	.00162	125.86	.04568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58266**	**.00883**	**80.585**	**.03348**	**.00259**	**.31411**	**.67220**	**.11655**	**.20397**	**-.00087**
Stddev	.00465	.00072	.085	.00059	.00020	.00885	.01894	.00014	.00052	.00210
%RSD	.79723	8.1667	.10522	1.7638	7.8082	2.8171	2.8171	.11772	.25425	240.88
#1	.57938	.00934	80.525	.03306	.00244	.30786	.65881	.11645	.20434	.00061
#2	.58595	.00832	80.645	.03389	.00273	.32037	.68559	.11665	.20361	-.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00112**	**-.00018**	**.01624**	**-.00041**	**.11189**	**.00082**
Stddev	.00002	.00164	.00167	.00012	.00054	.00120
%RSD	1.5781	907.79	10.257	30.153	.48691	145.46
#1	.00113	-.00134	.01506	-.00032	.11151	.00167
#2	.00110	.00098	.01741	-.00050	.11228	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7995.2**	**101450.**	**8484.7**
Stddev	6.9	371.	86.3
%RSD	.08574	.36584	1.0168
#1	7990.3	101710.	8423.7
#2	8000.0	101190.	8545.7

Sample Name: 280-48896-a-1-aSD@5 Acquired: 11/8/2013 22:14:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.02788**	**-.00136**	**.01023**	**.04671**	**.00004**	**.00105**	**4.9618**	**.00035**	**.00012**
Stddev	.00019	.00011	.00213	.00030	.00054	.00003	.00092	.0072	.00010	.00018
%RSD	151.04	.38229	157.18	2.8906	1.1457	61.135	88.203	.14568	29.456	152.60
#1	.00001	.02796	-.00286	.01044	.04633	.00006	.00039	4.9567	.00028	.00024
#2	-.00026	.02781	.00015	.01002	.04709	.00002	.00170	4.9669	.00042	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.18117**	**.10637**	**3.0084**	**.00419**	**1.1326**	**.03516**	**.00025**	**25.255**	**.00901**
Stddev	.00021	.00104	.00095	.0094	.00044	.0003	.00004	.00011	.130	.00011
%RSD	43.678	.57153	.89349	.31355	10.591	.02484	.12343	43.618	.51542	1.2713
#1	.00064	.18043	.10704	3.0017	.00450	1.1328	.03513	.00017	25.347	.00909
#2	.00034	.18190	.10570	3.0151	.00388	1.1324	.03519	.00033	25.163	.00893
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11324**	**.00276**	**15.692**	**.00641**	**.00124**	**.05992**	**.12823**	**.02570**	**.04124**	**-.00040**
Stddev	.00041	.00053	.016	.00158	.00530	.00226	.00483	.00013	.00017	.00031
%RSD	.36484	19.324	.10205	24.688	428.78	3.7681	3.7681	.52043	.42184	78.492
#1	.11353	.00239	15.681	.00529	-.00251	.05832	.12481	.02580	.04136	-.00018
#2	.11295	.00314	15.703	.00753	.00498	.06152	.13165	.02561	.04112	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00023**	**-.02792**	**-.00046**	**.02930**	**.00048**
Stddev	.00034	.00012	.01503	.00036	.00007	.00020
%RSD	77.063	54.001	53.847	79.708	.23745	40.620
#1	.00020	-.00032	-.03855	-.00020	.02925	.00062
#2	.00069	-.00014	-.01729	-.00071	.02935	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8203.8**	**103800.**	**8466.9**
Stddev	.2	596.	131.9
%RSD	.00184	.57391	1.5577
#1	8203.9	103380.	8373.7
#2	8203.7	104220.	8560.2

Sample Name: 280-48896-a-1-b ms Acquired: 11/8/2013 22:17:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04897**	**1.9549**	**1.0234**	**1.0288**	**2.2804**	**.05006**	F **2.2885**	**73.990**	**.10562**	**.49944**
Stddev	.00004	.0127	.0074	.0084	.0097	.00044	.0089	.355	.00056	.00155
%RSD	.08725	.64924	.72560	.81454	.42478	.86941	.38812	.47982	.53259	.31027
#1	.04894	1.9459	1.0182	1.0228	2.2873	.05037	2.2822	74.241	.10522	.49834
#2	.04900	1.9639	1.0287	1.0347	2.2736	.04976	2.2947	73.739	.10601	.50053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20485**	**1.1639**	**1.3837**	**67.292**	**1.0263**	**54.285**	**.67361**	**1.0323**	**179.08**	**.54136**
Stddev	.00085	.0080	.0067	.501	.0084	.217	.00398	.0047	.33	.00252
%RSD	.41440	.68679	.48741	.74390	.81653	.39882	.59153	.45824	.18472	.46596
#1	.20425	1.1582	1.3885	67.646	1.0322	54.132	.67079	1.0290	179.31	.53958
#2	.20545	1.1695	1.3790	66.939	1.0204	54.438	.67643	1.0357	178.84	.54314
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.974**	**.49953**	**82.385**	**.53917**	**2.0073**	**10.350**	**22.150**	W **2.1192**	**1.2184**	**1.0160**
Stddev	.068	.00353	.347	.00210	.0058	.025	.054	.0140	.0047	.0100
%RSD	.61825	.70674	.42100	.38991	.28974	.24519	.24519	.66181	.38527	.98749
#1	10.926	.49703	82.140	.54065	2.0032	10.332	22.111	2.1093	1.2217	1.0090
#2	11.022	.50203	82.630	.53768	2.0114	10.368	22.188	2.1291	1.2151	1.0231
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0255**	**1.8953**	**2.1566**	**.51875**	**.60258**	**.51570**
Stddev	.0050	.0037	.0061	.00077	.00117	.00172
%RSD	.48537	.19630	.28259	.14839	.19463	.33289
#1	1.0220	1.8926	2.1609	.51821	.60175	.51448
#2	1.0290	1.8979	2.1523	.51930	.60341	.51691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7832.1**	**99180.**	**8507.7**
Stddev	59.9	170.	131.9
%RSD	.76444	.17179	1.5501
#1	7874.4	99301.	8414.4
#2	7789.7	99060.	8600.9

Sample Name: 280-48896-a-1-c msd Acquired: 11/8/2013 22:19:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04915**	**1.9553**	**1.0301**	**1.0320**	**2.3094**	**.05086**	F **2.2925**	**74.913**	**.10577**	**.49925**
Stddev	.00063	.0006	.0019	.0010	.0118	.00017	.0073	.313	.00014	.00103
%RSD	1.2726	.02885	.18597	.09275	.51295	.32563	.31950	.41848	.13209	.20573
#1	.04959	1.9557	1.0315	1.0327	2.3177	.05097	2.2977	75.135	.10587	.49853
#2	.04870	1.9549	1.0288	1.0314	2.3010	.05074	2.2873	74.691	.10568	.49998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20565**	**1.1668**	**1.4070**	**68.120**	**1.0380**	**54.559**	**.67440**	**1.0371**	**180.17**	**.54262**
Stddev	.00008	.0065	.0003	.250	.0063	.520	.00390	.0007	.37	.00094
%RSD	.04050	.55975	.02244	.36730	.60232	.95356	.57791	.06831	.20627	.17326
#1	.20570	1.1622	1.4068	68.297	1.0424	54.191	.67164	1.0376	180.43	.54328
#2	.20559	1.1714	1.4072	67.944	1.0335	54.927	.67715	1.0366	179.90	.54195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.970**	**.49938**	**81.921**	**.54287**	**2.0077**	**10.484**	**22.435**	W **2.1206**	**1.2352**	**1.0214**
Stddev	.003	.00275	.005	.00071	.0027	.005	.011	.0006	.0055	.0076
%RSD	.03134	.55124	.00620	.13136	.13544	.04701	.04701	.03001	.44871	.74825
#1	10.972	.50133	81.917	.54236	2.0058	10.487	22.443	2.1211	1.2391	1.0160
#2	10.967	.49743	81.924	.54337	2.0096	10.480	22.428	2.1202	1.2313	1.0268
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0296**	**1.8949**	**2.1587**	**.51921**	**.60354**	**.51928**
Stddev	.0058	.0008	.0026	.00132	.00274	.00019
%RSD	.56246	.04109	.12167	.25362	.45456	.03668
#1	1.0255	1.8943	2.1569	.51828	.60160	.51915
#2	1.0337	1.8954	2.1606	.52014	.60548	.51942
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7869.1**	**99396.**	**8452.4**
Stddev	5.1	1122.	24.1
%RSD	.06487	1.1286	.28521
#1	7865.5	100190.	8435.3
#2	7872.7	98602.	8469.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 22:21:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**50.630**	**.00346**	**.00967**	**.00085**	**.00009**	**1.0222**	**.03397**	**-.00005**	**-.00069**	**.00019**	**.00829**	**49.436**
Stddev	.00023	.197	.00210	.00072	.00048	.00001	.0087	.00463	.00015	.00022	.00012	.00017	.290
%RSD	6.0444	.38983	60.717	7.4034	56.074	7.9826	.85253	13.635	308.77	31.584	61.700	2.0807	.58722
#1	.00405	50.769	.00198	.01018	.00119	.00009	1.0284	.03724	.00006	-.00053	.00027	.00817	49.231
#2	.00372	50.490	.00495	.00916	.00051	.00010	1.0160	.03069	-.00016	-.00084	.00011	.00841	49.641
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22736**	**.00261**	**.08795**	**.00055**	**.00015**	**258.79**	**-.00028**	**.00276**	**.00202**	**5.0731**	**.00136**	**-.00081**	**.01166**
Stddev	.02808	.00050	.00082	.00007	.00003	.45	.00028	.00320	.00008	.0118	.00203	.00108	.00164
%RSD	12.350	19.016	.93157	12.110	20.139	.17221	97.863	116.01	3.9607	.23247	149.37	132.05	14.025
#1	.24722	.00226	.08737	.00060	.00017	259.11	-.00009	.00503	.00208	5.0815	.00279	-.00005	.01282
#2	.20751	.00296	.08853	.00050	.00012	258.48	-.00048	.00050	.00197	5.0648	-.00008	-.00158	.01050
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02495**	**-.00030**	**.00086**	**4.8261**	**-.00542**	**.00203**	**10.071**	**.00058**	**.00206**	**.02071**
Stddev	.00350	.00054	.00009	.0039	.00006	.00139	.013	.00003	.00063	.00047
%RSD	14.025	176.87	10.565	.08100	1.1950	68.323	.12882	4.4332	30.605	2.2698
#1	.02743	.00008	.00093	4.8234	-.00537	.00301	10.062	.00057	.00250	.02104
#2	.02248	-.00069	.00080	4.8289	-.00546	.00105	10.080	.00060	.00161	.02038
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.4**	**100890.**	**8390.1**
Stddev	7.3	327.	12.3
%RSD	.09040	.32437	.14606
#1	8072.3	100660.	8381.4
#2	8082.6	101120.	8398.8

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:23:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49477**	**.51408**	**1.0009**	**.50838**	**.50384**	**.49747**	**.00236**	**5.0124**	**.50492**	**.50691**	**.50275**	**.50750**	**2.4165**
Stddev	.00122	.00036	.0072	.00215	.00126	.00111	.00087	.0150	.00103	.00094	.00052	.00159	.0053
%RSD	.24606	.07065	.72036	.42333	.25077	.22287	36.927	.29941	.20387	.18627	.10273	.31268	.21949
#1	.49390	.51433	.99584	.50686	.50294	.49668	.00175	5.0018	.50419	.50625	.50239	.50638	2.4128
#2	.49563	.51382	1.0060	.50991	.50473	.49825	.00298	5.0230	.50565	.50758	.50312	.50862	2.4203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.476**	**1.0099**	**19.678**	**.49821**	**.51163**	F **5.5666**	**.50733**	**1.0094**	**1.0385**	**.03389**	**1.0227**	**1.0044**	**4.8962**
Stddev	.143	.0007	.012	.00003	.00192	.0196	.00151	.0012	.0006	.00082	.0055	.0105	.0739
%RSD	.27837	.07004	.06203	.00660	.37606	.35247	.29798	.11992	.05917	2.4261	.53797	1.0498	1.5095
#1	51.375	1.0094	19.669	.49818	.51027	5.5805	.50626	1.0085	1.0380	.03447	1.0189	.99699	4.8440
#2	51.577	1.0104	19.687	.49823	.51299	5.5528	.50840	1.0102	1.0389	.03331	1.0266	1.0119	4.9485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.478**	**1.0171**	**.50063**	**-.00075**	**.50226**	**1.0325**	**-.01809**	**.50502**	**.50159**	**.49760**
Stddev	.158	.0049	.00132	.00004	.00055	.0007	.01478	.00039	.00143	.00536
%RSD	1.5095	.48104	.26376	4.8653	.10942	.07069	81.686	.07649	.28486	1.0772
#1	10.366	1.0137	.49970	-.00073	.50187	1.0320	-.02854	.50529	.50260	.49381
#2	10.590	1.0206	.50156	-.00078	.50265	1.0331	-.00764	.50474	.50058	.50139
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8205.4**	**104190.**	**8432.4**
Stddev	15.1	86.	6.2
%RSD	.18353	.08265	.07363
#1	8216.1	104260.	8428.0
#2	8194.8	104130.	8436.7

Sample Name: CCB Acquired: 11/8/2013 22:25:45 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00458**	**.00102**	**.00409**	**.00013**	**.00033**	**.00155**	**.00595**	**.00040**	**-.00018**	**.00006**	**.00002**
Stddev	.00005	.00043	.00097	.00039	.00060	.00005	.00176	.00333	.00010	.00042	.00015	.00012
%RSD	11.642	9.3128	95.248	9.5530	469.38	15.730	114.09	56.009	25.614	230.67	247.14	512.59
#1	-.00047	.00488	.00170	.00381	.00055	.00037	.00030	.00359	.00047	.00012	-.00005	-.00006
#2	-.00040	.00428	.00033	.00437	-.00029	.00029	.00279	.00830	.00033	-.00048	.00017	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00313**	**.11728**	**-.00010**	**.00611**	**.00008**	**.00057**	F **.19582**	**.00018**	**.00122**	**.00084**	**.03892**	F **.00828**
Stddev	.00336	.01925	.00052	.00140	.00005	.00028	.00005	.00041	.00050	.00024	.00167	.00013
%RSD	107.47	16.410	527.28	22.926	57.449	48.596	.02611	223.71	40.775	28.935	4.2865	1.5116
#1	.00551	.10367	.00027	.00710	.00011	.00077	.19578	.00048	.00087	.00101	.04010	.00819
#2	.00075	.13089	-.00046	.00512	.00005	.00038	.19585	-.00011	.00157	.00067	.03774	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.18320					.00628
Low Limit							-.18320					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00507**	**.02124**	**.04545**	**-.00009**	**.00028**	**.00060**	**.00036**	**.00026**	**.04234**	**-.00009**	**.00340**	**.00127**
Stddev	.00124	.00237	.00506	.00010	.00006	.00091	.00019	.00083	.03211	.00014	.00031	.00163
%RSD	24.526	11.137	11.137	114.41	22.907	151.22	53.074	317.12	75.838	145.69	9.2588	127.78
#1	.00419	.01957	.04187	-.00015	.00032	.00124	.00049	.00085	.06504	.00000	.00362	.00242
#2	.00595	.02291	.04903	-.00002	.00023	-.00004	.00022	-.00033	.01963	-.00019	.00318	.00012
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00486											
Low Limit	-.00486											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8209.9**	**105530.**	**8334.3**
Stddev	43.8	178.	6.9
%RSD	.53380	.16869	.08273
#1	8240.9	105400.	8339.2
#2	8178.9	105650.	8329.5

Sample Name: CCVL2367586 Acquired: 11/8/2013 22:28:01 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.10878**	**.01679**	**.10166**	**.01046**	**.00116**	**.12394**	**.21283**	**.00574**	**.01072**	**.01074**	**.01573**	**.10286**
Stddev	.00014	.00017	.00043	.00013	.00005	.00000	.00088	.00041	.00004	.00007	.00025	.00099	.00202
%RSD	1.3574	.15906	2.5832	.13144	.51608	.05198	.71134	.19275	.77872	.69221	2.2866	6.2980	1.9629
#1	.01000	.10865	.01649	.10156	.01049	.00116	.12331	.21312	.00577	.01078	.01057	.01503	.10429
#2	.01019	.10890	.01710	.10175	.01042	.00116	.12456	.21254	.00571	.01067	.01091	.01643	.10143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1498**	**.01216**	**.21011**	**.01042**	**.02068**	**1.2475**	**.04260**	**2.9400**	**.01103**	**.02959**	F **.01320**	**.01723**	**.52570**
Stddev	.0228	.00184	.00084	.00006	.00021	.0157	.00007	.0044	.00006	.00231	.00050	.00054	.00710
%RSD	.72377	15.151	.39753	.57250	1.0144	1.2570	.17369	.14914	.58127	7.8111	3.8060	3.1584	1.3514
#1	3.1659	.01347	.21070	.01046	.02053	1.2364	.04255	2.9431	.01098	.02796	.01285	.01685	.52068
#2	3.1337	.01086	.20952	.01037	.02083	1.2586	.04265	2.9369	.01107	.03123	.01356	.01762	.53072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1250**	**.10504**	**.01043**	**.01432**	**.00973**	**.01581**	**.06225**	**.00971**	**.02569**	**.01725**
Stddev	.0152	.00009	.00014	.00036	.00039	.00088	.05180	.00008	.00020	.00240
%RSD	1.3514	.08808	1.3348	2.5045	4.0444	5.5428	83.220	.84048	.77679	13.900
#1	1.1142	.10498	.01053	.01457	.00945	.01519	.02562	.00977	.02583	.01556
#2	1.1357	.10511	.01033	.01406	.01001	.01643	.09887	.00966	.02555	.01895
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.0**	**105470.**	**8343.1**
Stddev	6.7	767.	40.9
%RSD	.08161	.72751	.48980
#1	8204.7	104930.	8314.3
#2	8195.3	106010.	8372.0

Sample Name: 280-48877-a-1-a Acquired: 11/8/2013 22:30:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.38626**	**.00084**	**.04571**	**.02515**	**.00006**	**-.00049**	**26.090**	**.00070**	**.00135**
Stddev	.00090	.00048	.00179	.00026	.00037	.00003	.00288	.025	.00016	.00007
%RSD	191.74	.12403	212.75	.57675	1.4837	53.629	589.29	.09670	23.427	4.9141
#1	-.00111	.38592	.00210	.04553	.02541	.00004	-.00252	26.108	.00081	.00140
#2	.00017	.38660	-.00042	.04590	.02489	.00009	.00155	26.072	.00058	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00935**	**.11892**	**.84427**	**12.914**	**.01464**	**2.5797**	**.02401**	**.00390**	**25.749**	**.00508**
Stddev	.00018	.00042	.00726	.031	.00177	.0033	.00005	.00009	.152	.00050
%RSD	1.8902	.35184	.85971	.24044	12.059	.12773	.21159	2.3893	.58862	9.8191
#1	.00948	.11862	.83914	12.936	.01589	2.5820	.02405	.00397	25.856	.00543
#2	.00923	.11921	.84941	12.892	.01339	2.5773	.02398	.00383	25.642	.00472
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8106**	**.00623**	**9.1177**	**.00150**	**.00582**	**3.9689**	**8.4934**	**.01258**	**.07737**	**-.00074**
Stddev	.0084	.00065	.0192	.00114	.00032	.0053	.0114	.00093	.00024	.00035
%RSD	.22174	10.379	.21030	75.656	5.4428	.13471	.13471	7.4083	.30418	47.459
#1	3.8165	.00578	9.1041	.00070	.00604	3.9651	8.4853	.01192	.07720	-.00049
#2	3.8046	.00669	9.1312	.00230	.00559	3.9727	8.5015	.01324	.07754	-.00099
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03169**	**-.00019**	**.02766**	**.00077**	**.11283**	**.00192**
Stddev	.00139	.00044	.02081	.00007	.00009	.00275
%RSD	4.3907	235.02	75.242	9.1287	.07943	143.29
#1	.03267	.00012	.04238	.00072	.11290	.00387
#2	.03070	-.00050	.01294	.00082	.11277	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.0**	**105170.**	**8610.1**
Stddev	19.0	714.	28.8
%RSD	.23237	.67909	.33412
#1	8175.5	105680.	8589.7
#2	8202.4	104670.	8630.4

Sample Name: 280-48877-a-2-a Acquired: 11/8/2013 22:32:37 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.15491**	**-.00030**	**.04373**	**.02373**	**.00005**	**.00077**	**31.353**	**.00047**	**.00115**
Stddev	.00026	.00036	.00226	.00049	.00018	.00000	.00228	.049	.00041	.00000
%RSD	46.021	.22977	745.58	1.1197	.73835	3.4767	295.91	.15781	86.214	.42704
#1	-.00076	.15466	.00130	.04407	.02385	.00005	.00239	31.318	.00018	.00115
#2	-.00039	.15516	-.00190	.04338	.02361	.00005	-.00084	31.388	.00076	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00223**	**.16357**	**.36783**	**11.787**	**.00686**	**3.0130**	**.01676**	**.00203**	**109.84**	**.00254**
Stddev	.00010	.00045	.00374	.032	.00128	.0125	.00001	.00021	.16	.00001
%RSD	4.6627	.27228	1.0161	.27353	18.692	.41441	.04256	10.323	.14811	.39737
#1	.00230	.16325	.36519	11.764	.00595	3.0219	.01676	.00217	109.73	.00253
#2	.00216	.16388	.37047	11.809	.00776	3.0042	.01675	.00188	109.96	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2934**	**.00210**	**12.003**	**.00057**	**.00106**	**4.2246**	**9.0407**	**.00428**	**.09125**	**-.00066**
Stddev	.0088	.00013	.057	.00126	.00069	.0211	.0452	.00087	.00025	.00088
%RSD	.20558	5.9727	.47766	219.56	65.492	.50012	.50012	20.208	.27385	132.84
#1	4.2872	.00219	11.963	.00146	.00057	4.2097	9.0087	.00367	.09143	-.00129
#2	4.2997	.00201	12.044	-.00032	.00155	4.2396	9.0727	.00489	.09108	-.00004
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00848**	**.00096**	**-.00766**	**.00047**	**.38138**	**.00130**
Stddev	.00027	.00047	.03073	.00062	.00259	.00155
%RSD	3.1666	49.097	401.35	132.60	.67794	119.26
#1	.00867	.00129	.01407	.00003	.37955	.00240
#2	.00829	.00062	-.02938	.00091	.38321	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8064.0**	**101960.**	**8511.0**
Stddev	30.3	37.	53.2
%RSD	.37521	.03606	.62476
#1	8042.6	101940.	8548.6
#2	8085.4	101990.	8473.4

Sample Name: 280-48881-a-1-a Acquired: 11/8/2013 22:34:57 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**.20943**	**.00068**	**.10933**	**.01514**	**.00011**	**.00128**	**21.045**	**.00031**	**-.00018**
Stddev	.00060	.00032	.00184	.00102	.00026	.00006	.00043	.005	.00008	.00012
%RSD	79.548	.15307	272.70	.92922	1.6984	57.250	33.501	.02399	24.679	67.780
#1	.00118	.20920	-.00063	.11005	.01496	.00016	.00159	21.048	.00037	-.00027
#2	.00033	.20965	.00198	.10861	.01533	.00007	.00098	21.041	.00026	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02162**	**.06470**	**.17863**	**.79973**	**.00231**	**1.3769**	**.00239**	**.00058**	**5.6853**	**.00296**
Stddev	.00014	.00020	.00294	.02196	.00080	.0010	.00002	.00018	.0006	.00025
%RSD	.63958	.31462	1.6469	2.7463	34.473	.07610	.68846	30.347	.00968	8.4270
#1	.02152	.06484	.17655	.78420	.00288	1.3776	.00237	.00045	5.6850	.00278
#2	.02172	.06455	.18071	.81526	.00175	1.3761	.00240	.00070	5.6857	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03859**	**.00171**	**4.6285**	**-.00045**	**.00232**	**2.7928**	**5.9765**	**.00404**	**.05612**	**.00095**
Stddev	.00040	.00008	.0051	.00076	.00177	.0101	.0216	.00004	.00018	.00191
%RSD	1.0383	4.9242	.11078	167.69	76.411	.36086	.36086	.99346	.32635	200.20
#1	.03830	.00165	4.6249	.00008	.00107	2.7856	5.9613	.00407	.05599	-.00040
#2	.03887	.00177	4.6321	-.00099	.00357	2.7999	5.9918	.00401	.05625	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00015**	**.02126**	**.00023**	**.01188**	**.00213**
Stddev	.00033	.00060	.01217	.00024	.00016	.00250
%RSD	13.525	391.85	57.258	101.21	1.3783	117.09
#1	.00223	.00058	.02987	.00040	.01177	.00037
#2	.00270	-.00027	.01265	.00007	.01200	.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.6**	**106280.**	**8510.6**
Stddev	14.5	513.	9.3
%RSD	.17500	.48285	.10945
#1	8280.3	105920.	8504.0
#2	8300.8	106650.	8517.2

Sample Name: 280-48881-a-2-a Acquired: 11/8/2013 22:37:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.18681**	**.00260**	**.07011**	**.01450**	**.00009**	**-.00064**	**20.332**	**.00010**	**-.00010**
Stddev	.00064	.00065	.00136	.00046	.00006	.00000	.00243	.054	.00007	.00008
%RSD	125.40	.34742	52.401	.65311	.42367	1.7317	381.59	.26695	71.721	82.091
#1	.00096	.18635	.00356	.06978	.01454	.00009	.00108	20.293	.00015	-.00016
#2	.00006	.18727	.00163	.07043	.01446	.00009	-.00236	20.370	.00005	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01209**	**.05113**	**.17871**	**.78703**	**.00272**	**1.3647**	**.00241**	**.00075**	**5.1294**	**.01230**
Stddev	.00008	.00044	.00155	.01267	.00073	.0032	.00003	.00023	.0189	.00000
%RSD	.67066	.86146	.86781	1.6104	26.861	.23432	1.0491	30.932	.36879	.02486
#1	.01203	.05145	.17762	.77807	.00323	1.3670	.00239	.00058	5.1160	.01230
#2	.01215	.05082	.17981	.79599	.00220	1.3625	.00243	.00091	5.1427	.01230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02797**	**.00064**	**4.8361**	**-.00037**	**.00333**	**2.7105**	**5.8004**	**.00278**	**.05413**	**.00050**
Stddev	.00212	.00089	.0158	.00011	.00026	.0190	.0406	.00055	.00048	.00295
%RSD	7.5718	138.88	.32674	30.823	7.8327	.69929	.69929	19.805	.89338	587.18
#1	.02647	.00001	4.8249	-.00045	.00315	2.6971	5.7717	.00239	.05378	.00259
#2	.02947	.00127	4.8473	-.00029	.00352	2.7239	5.8291	.00317	.05447	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00173**	**.00038**	**-.01235**	**.00041**	**.01067**	**.00082**
Stddev	.00016	.00070	.04621	.00046	.00047	.00247
%RSD	9.1246	182.91	374.18	111.04	4.3736	301.13
#1	.00184	.00088	-.04502	.00009	.01034	.00257
#2	.00161	-.00011	.02032	.00074	.01100	-.00093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8297.0**	**106270.**	**8587.2**
Stddev	3.3	579.	72.2
%RSD	.03989	.54467	.84083
#1	8294.7	106680.	8638.2
#2	8299.4	105860.	8536.1

Sample Name: 280-48898-a-1-a Acquired: 11/8/2013 22:39:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199735 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.08412**	**.00404**	**2.1694**	**.03194**	**.00011**	F **.20421**	**59.547**	**-.00011**	**.00362**
Stddev	.00025	.00025	.00165	.0025	.00010	.00006	.00184	.143	.00003	.00016
%RSD	32.651	.29228	40.771	.11515	.30393	53.407	.90067	.23935	25.440	4.4899
#1	-.00096	.08395	.00521	2.1711	.03187	.00007	.20291	59.446	-.00013	.00351
#2	-.00060	.08430	.00288	2.1676	.03201	.00015	.20551	59.647	-.00009	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32984**	**.13923**	**74.320**	F **701.82**	**.01079**	**4.7548**	**.34844**	**.01407**	W **1201.2**	**.14134**
Stddev	.00110	.00073	.447	.53	.00090	.0022	.00006	.00003	2.5	.00112
%RSD	.33488	.52215	.60171	.07538	8.3781	.04521	.01773	.21332	.21025	.79198
#1	.33062	.13872	74.004	701.44	.01015	4.7563	.34840	.01409	1199.4	.14213
#2	.32906	.13974	74.636	702.19	.01143	4.7533	.34848	.01405	1203.0	.14054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.009**	**.00285**	W **182.89**	**.00502**	**.00134**	**5.5473**	**11.871**	W **18.007**	**.17872**	**-.00035**
Stddev	.009	.00132	.02	.00085	.00644	.1849	.396	.015	.00072	.00221
%RSD	.07690	46.321	.01113	16.866	480.42	3.3335	3.3335	.08252	.40050	638.14
#1	12.015	.00191	182.88	.00562	.00589	5.4165	11.591	17.997	.17822	.00122
#2	12.002	.00378	182.91	.00442	-.00321	5.6781	12.151	18.018	.17923	-.00191
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02254**	**-.00172**	**-.00760**	**.00261**	**.15923**	**.00067**
Stddev	.00006	.00114	.02268	.00084	.00018	.00256
%RSD	.27166	66.074	298.31	32.401	.11405	380.45
#1	.02250	-.00092	-.02364	.00320	.15911	.00248
#2	.02258	-.00252	.00844	.00201	.15936	-.00114
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7428.4**	**90984.**	**8328.6**
Stddev	9.8	313.	23.4
%RSD	.13243	.34352	.28127
#1	7421.5	90763.	8345.2
#2	7435.4	91205.	8312.1

Sample Name: CCVH-2357613 Acquired: 11/8/2013 22:42:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00401**	**51.640**	**.00359**	**.00999**	**.00001**	**.00007**	**1.0403**	**.00911**	**.00005**	**-.00070**	**-.00004**	**.00893**	**50.333**
Stddev	.00011	.124	.00094	.00072	.00032	.00009	.0045	.00151	.00004	.00015	.00001	.00077	.723
%RSD	2.6700	.23983	26.313	7.2223	3269.2	141.50	.43148	16.622	89.203	21.778	31.896	8.6081	1.4360
#1	.00409	51.728	.00292	.01050	-.00022	.00000	1.0435	.00804	.00007	-.00080	-.00003	.00948	50.844
#2	.00394	51.552	.00426	.00948	.00024	.00013	1.0372	.01018	.00002	-.00059	-.00005	.00839	49.822
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.77651**	**.00399**	**.07891**	**.00037**	**-.00040**	**264.70**	**-.00021**	**.00570**	**.00122**	**5.1894**	**.00216**	**.00077**	**.02726**
Stddev	.05313	.00004	.00152	.00009	.00038	.16	.00011	.00037	.00072	.0014	.00049	.00039	.00068
%RSD	6.8421	.98329	1.9259	22.995	95.481	.06151	51.061	6.5409	59.448	.02648	22.638	50.938	2.4878
#1	.81408	.00402	.07998	.00043	-.00013	264.58	-.00028	.00596	.00173	5.1885	.00181	.00049	.02774
#2	.73895	.00396	.07783	.00031	-.00067	264.81	-.00013	.00544	.00071	5.1904	.00251	.00104	.02678
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05834**	**.00434**	**.00035**	**4.9167**	**-.00592**	**.00136**	**10.342**	**.00071**	**.00232**	**.02230**
Stddev	.00145	.00069	.00013	.0104	.00022	.00049	.023	.00062	.00040	.00556
%RSD	2.4878	15.846	37.412	.21187	3.6658	36.228	.22223	87.162	17.165	24.926
#1	.05937	.00385	.00026	4.9093	-.00577	.00101	10.326	.00027	.00260	.02623
#2	.05732	.00483	.00044	4.9240	-.00608	.00170	10.359	.00115	.00204	.01837
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.0**	**100030.**	**8281.0**
Stddev	48.6	72.	79.5
%RSD	.61337	.07207	.96038
#1	7955.3	100080.	8224.8
#2	7886.6	99977.	8337.3

Sample Name: CCV-2357614 Acquired: 11/8/2013 22:44:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49974**	**.51287**	**1.0089**	**.51155**	**.50630**	**.50145**	**-.00005**	**5.0623**	**.50644**	**.50681**	**.50487**	**.50951**	**2.4617**
Stddev	.00176	.00023	.0013	.00176	.00167	.00223	.00237	.0119	.00059	.00057	.00025	.00217	.0096
%RSD	.35165	.04492	.13028	.34431	.32938	.44404	4568.1	.23466	.11554	.11178	.04926	.42585	.39058
#1	.50098	.51271	1.0099	.51030	.50512	.49988	.00163	5.0539	.50602	.50641	.50505	.51105	2.4549
#2	.49850	.51304	1.0080	.51279	.50748	.50302	-.00173	5.0707	.50685	.50721	.50469	.50798	2.4685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.274**	**1.0181**	**19.983**	**.50379**	**.51100**	F **5.7242**	**.51005**	**1.0077**	**1.0314**	**.03087**	**1.0161**	**1.0046**	**5.0101**
Stddev	.330	.0050	.025	.00008	.00220	.0245	.00019	.0016	.0024	.00027	.0098	.0156	.0838
%RSD	.63070	.49556	.12730	.01498	.43064	.42872	.03652	.15626	.23779	.88614	.96252	1.5539	1.6734
#1	52.041	1.0146	19.965	.50384	.51255	5.7416	.51019	1.0088	1.0296	.03067	1.0230	1.0156	4.9508
#2	52.508	1.0217	20.001	.50373	.50944	5.7069	.50992	1.0066	1.0331	.03106	1.0092	.99353	5.0694
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0211**	**.50410**	**-.00291**	**.50517**	**1.0288**	**-.01102**	**.50877**	**.50986**	**.50811**
Stddev	.179	.0092	.00165	.00279	.00002	.0090	.02647	.00152	.00240	.00458
%RSD	1.6734	.90442	.32829	95.703	.00339	.87708	240.31	.29970	.47080	.90087
#1	10.595	1.0276	.50293	-.00488	.50518	1.0352	.00770	.50985	.50816	.50487
#2	10.848	1.0146	.50527	-.00094	.50516	1.0225	-.02973	.50770	.51155	.51135
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8143.8**	**102930.**	**8319.2**
Stddev	8.0	531.	70.1
%RSD	.09865	.51615	.84227
#1	8149.5	103310.	8368.8
#2	8138.2	102560.	8269.7

Sample Name: CCB Acquired: 11/8/2013 22:46:58 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00381**	**.00035**	**.00370**	**.00018**	**.00027**	**.00187**	**.00260**	**.00036**	**.00002**	**.00026**	**.00064**	**.01024**
Stddev	.00010	.00038	.00015	.00011	.00025	.00008	.00006	.00171	.00002	.00003	.00005	.00006	.00194
%RSD	96.576	10.035	41.678	2.9075	136.02	29.751	3.1189	66.046	6.4450	199.16	21.186	8.8712	18.911
#1	-.00003	.00354	.00025	.00378	.00036	.00033	.00191	.00138	.00034	.00004	.00022	.00060	.00887
#2	-.00017	.00408	.00046	.00362	.00001	.00022	.00182	.00381	.00037	-.00001	.00030	.00068	.01161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.27822**	**-.00073**	**.00521**	**.00008**	**.00076**	F **.33540**	**-.00012**	**.00132**	**.00100**	**.02538**	F **.00855**	**.00021**	**.01959**
Stddev	.02149	.00301	.00131	.00003	.00000	.02744	.00019	.00148	.00137	.00166	.00236	.00354	.00846
%RSD	7.7226	413.96	25.173	36.798	.39066	8.1804	163.80	112.74	137.72	6.5464	27.541	1713.3	43.176
#1	.29341	-.00285	.00614	.00010	.00077	.31600	.00002	.00027	.00197	.02421	.00689	-.00230	.02558
#2	.26303	.00140	.00429	.00006	.00076	.35480	-.00025	.00236	.00003	.02656	.01022	.00271	.01361
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.25000					.18320					.00628		
Low Limit	-.25000					-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04193**	**.00092**	**.00018**	**.00058**	**.00019**	**.00088**	**-.00241**	**.00006**	**.00400**	**.00118**
Stddev	.01810	.00011	.00005	.00094	.00006	.00080	.00003	.00004	.00056	.00044
%RSD	43.176	12.057	25.156	161.49	33.074	90.856	1.1711	59.008	14.082	37.820
#1	.05473	.00084	.00021	-.00008	.00015	.00032	-.00243	.00004	.00440	.00149
#2	.02913	.00100	.00015	.00124	.00024	.00145	-.00239	.00009	.00360	.00086
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8166.7**	**104760.**	**8192.8**
Stddev	21.8	561.	26.6
%RSD	.26681	.53524	.32454
#1	8182.1	105150.	8174.0
#2	8151.2	104360.	8211.6

Sample Name: CCVL2367586 Acquired: 11/8/2013 22:49:15 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01057**	**.10908**	**.01446**	**.10144**	**.01061**	**.00110**	**.12820**	**.21329**	**.00560**	**.01043**	**.01066**	**.01600**	**.10513**
Stddev	.00039	.00084	.00277	.00003	.00005	.00019	.00211	.00003	.00005	.00006	.00003	.00006	.00036
%RSD	3.7028	.77324	19.151	.03392	.45825	17.214	1.6478	.01564	.88032	.53436	.26848	.38001	.34462
#1	.01029	.10967	.01250	.10146	.01058	.00097	.12671	.21327	.00557	.01047	.01068	.01596	.10487
#2	.01085	.10848	.01641	.10141	.01065	.00123	.12969	.21332	.00564	.01039	.01064	.01605	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2737**	**.01006**	**.21238**	**.01045**	**.02053**	F **1.3291**	**.04229**	**2.9306**	**.01039**	**.02249**	**.01267**	**.01492**	**.50741**
Stddev	.0143	.00086	.00075	.00005	.00018	.0274	.00009	.0026	.00013	.00029	.00104	.00142	.01163
%RSD	.43520	8.5842	.35087	.48308	.87822	2.0654	.22050	.08867	1.2404	1.2797	8.2173	9.4888	2.2925
#1	3.2838	.00945	.21186	.01048	.02040	1.3097	.04223	2.9288	.01030	.02229	.01341	.01592	.49919
#2	3.2637	.01067	.21291	.01041	.02065	1.3485	.04236	2.9324	.01048	.02269	.01193	.01392	.51564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0859**	**.10452**	**.01040**	**.01482**	**.01000**	**.01653**	F **.07953**	**.00975**	**.02498**	**.01719**
Stddev	.0249	.00141	.00007	.00044	.00019	.00018	.06345	.00015	.00052	.00214
%RSD	2.2925	1.3538	.72037	2.9675	1.8501	1.0693	79.789	1.5151	2.0830	12.427
#1	1.0683	.10352	.01045	.01513	.00987	.01666	.03466	.00985	.02462	.01870
#2	1.1035	.10552	.01035	.01451	.01013	.01641	.12440	.00964	.02535	.01568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8219.8**	**104540.**	**8278.7**
Stddev	18.8	530.	88.0
%RSD	.22823	.50701	1.0629
#1	8206.5	104160.	8340.9
#2	8233.0	104910.	8216.4

Sample Name: mb 280-199649/1-a Acquired: 11/8/2013 22:51:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00042**	**.00247**	**-.00076**	**.00320**	**-.00017**	**.00010**	**-.00018**	**.01251**	**.00027**	**-.00017**
Stddev	.00022	.00007	.00127	.00019	.00008	.00000	.00047	.00496	.00002	.00001
%RSD	51.205	2.7936	167.27	5.9692	46.430	.31666	261.40	39.619	7.1676	6.3989
#1	-.00057	.00242	.00014	.00307	-.00011	.00010	-.00051	.01601	.00029	-.00018
#2	-.00027	.00252	-.00166	.00334	-.00022	.00010	.00015	.00900	.00026	-.00017
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00017**	**.00262**	**.06141**	**.00002**	**.00317**	**.00006**	**.00014**	W **.21678**	**.00010**
Stddev	.00006	.00034	.00280	.00032	.00025	.00013	.00000	.00019	.00090	.00001
%RSD	56.591	200.71	106.90	.52396	1384.7	4.2416	6.8744	136.56	.41644	15.214
#1	.00014	-.00041	.00459	.06164	-.00016	.00327	.00006	.00000	.21615	.00009
#2	.00006	.00007	.00064	.06119	.00019	.00308	.00007	.00027	.21742	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00106**	F **.01858**	**.00174**	**.00187**	**-.00005**	**-.00010**	**.00019**	**.00006**	**-.00073**
Stddev	.00113	.00068	.00117	.00198	.00201	.00808	.01730	.00012	.00016	.00230
%RSD	237.75	64.001	6.2921	113.89	107.51	17537.	17537.	59.678	250.56	316.37
#1	-.00032	.00154	.01941	.00313	.00329	-.00576	-.01233	.00028	.00018	-.00235
#2	.00127	.00058	.01775	.00034	.00045	.00567	.01213	.00011	-.00005	.00090
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000							
Low Limit			-.01000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00038**	**.01330**	**-.00045**	**.00332**	**.00198**
Stddev	.0001	.00042	.03925	.00013	.00005	.00096
%RSD	7478.1	110.40	295.11	28.116	1.5708	48.611
#1	.00009	.00068	.04105	-.00036	.00336	.00266
#2	-.00009	.00008	-.01445	-.00054	.00328	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8307.2**	**106580.**	**8479.0**
Stddev	12.1	628.	25.5
%RSD	.14560	.58950	.30057
#1	8298.7	106140.	8497.0
#2	8315.8	107020.	8460.9

Sample Name: lcs 280-199649/2-a Acquired: 11/8/2013 22:53:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04804**	**1.9344**	**1.0041**	**1.0132**	**2.0412**	**.05011**	**2.2897**	**49.651**	**.10430**	**.49469**
Stddev	.00016	.0014	.0003	.0001	.0069	.00016	.0025	.160	.00008	.00018
%RSD	.33943	.07061	.02638	.00683	.33538	.32580	.11003	.32249	.07279	.03648
#1	.04816	1.9334	1.0043	1.0132	2.0363	.05000	2.2880	49.537	.10424	.49481
#2	.04793	1.9354	1.0040	1.0133	2.0460	.05023	2.2915	49.764	.10435	.49456
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20261**	**.25861**	**.96808**	**52.254**	**1.0183**	**49.483**	**.49609**	**1.0311**	**54.168**	**.49693**
Stddev	.00022	.00011	.00246	.123	.0039	.152	.00097	.0006	.071	.00013
%RSD	.10911	.04197	.25430	.23447	.38404	.30659	.19521	.06079	.13192	.02534
#1	.20277	.25854	.96982	52.168	1.0155	49.376	.49540	1.0307	54.118	.49684
#2	.20246	.25869	.96634	52.341	1.0211	49.591	.49677	1.0316	54.219	.49702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.153**	**.49681**	**.01098**	**.50518**	**1.9903**	**10.119**	**21.654**	**2.0308**	**1.0137**	**1.0088**
Stddev	.008	.00059	.00289	.00272	.0011	.024	.052	.0001	.0032	.0014
%RSD	.08117	.11865	26.347	.53865	.05466	.24154	.24154	.00704	.32106	.14291
#1	10.159	.49723	.01302	.50710	1.9911	10.136	21.691	2.0309	1.0114	1.0078
#2	10.147	.49639	.00893	.50325	1.9896	10.101	21.617	2.0307	1.0160	1.0098
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0230**	**1.9612**	**2.1537**	**.51341**	**.49684**	**.51789**
Stddev	.0005	.0008	.0083	.00041	.00011	.00256
%RSD	.04534	.04040	.38569	.08050	.02197	.49527
#1	1.0233	1.9617	2.1478	.51370	.49691	.51970
#2	1.0227	1.9606	2.1595	.51311	.49676	.51608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7963.5**	**100450.**	**8420.4**
Stddev	1.7	475.	79.7
%RSD	.02090	.47279	.94659
#1	7962.3	100110.	8476.7
#2	7964.7	100780.	8364.0

Sample Name: 280-48852-b-1-d Acquired: 11/8/2013 22:55:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.08195**	**-.00051**	**.23482**	**.07729**	**.00008**	**.00090**	**91.071**	**.00061**	**.00012**
Stddev	.00027	.00019	.00287	.00056	.00042	.00003	.00067	.079	.00009	.00009
%RSD	119.95	.23639	560.42	.23796	.53841	38.662	74.053	.08720	14.766	74.048
#1	-.00003	.08181	.00152	.23443	.07758	.00011	.00138	91.127	.00055	.00006
#2	-.00042	.08209	-.00254	.23522	.07699	.00006	.00043	91.015	.00068	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00493**	**.19242**	**8.7127**	**.02921**	**18.499**	**.08784**	**.00667**	**107.43**	**.00176**
Stddev	.00028	.00036	.00036	.0254	.00354	.012	.00009	.00009	.57	.00015
%RSD	55.746	7.3383	.18806	.29099	12.102	.06317	.10517	1.3802	.52715	8.3566
#1	.00030	.00467	.19268	8.6948	.02671	18.491	.08777	.00673	107.03	.00166
#2	.00069	.00518	.19217	8.7306	.03171	18.507	.08790	.00660	107.83	.00187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91367**	**.00130**	**58.182**	**.00051**	**.00261**	**6.2186**	**13.308**	**.00072**	**.71117**	**.00066**
Stddev	.00192	.00038	.003	.00026	.00026	.0362	.078	.00001	.00017	.00119
%RSD	.20982	29.486	.00600	50.878	9.8153	.58272	.58272	1.8004	.02404	181.40
#1	.91231	.00103	58.180	.00033	.00279	6.2442	13.363	.00073	.71129	.00150
#2	.91502	.00157	58.185	.00070	.00243	6.1930	13.253	.00071	.71104	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.00119**	**-.00608**	**.00137**	**.02514**	**.00131**
Stddev	.00011	.00042	.02734	.00055	.00015	.00234
%RSD	3.6704	35.586	449.58	40.418	.60175	179.44
#1	.00299	.00148	-.02541	.00098	.02524	-.00035
#2	.00284	.00089	.01325	.00176	.02503	.00296
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7860.4**	**99642.**	**8356.5**
Stddev	2.5	319.	12.6
%RSD	.03192	.31996	.15036
#1	7862.2	99867.	8365.4
#2	7858.7	99416.	8347.6

Sample Name: 280-48852-b-1-dSD@5 Acquired: 11/8/2013 22:58:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.02825**	**-.00041**	**.04816**	**.01555**	**.00007**	**.00032**	**18.094**	**.00029**	**.00000**
Stddev	.00020	.00025	.00194	.00057	.00008	.00004	.00074	.096	.00020	.00007
%RSD	511.68	.87109	469.54	1.1827	.48533	60.405	228.81	.52858	70.426	1815.4
#1	-.00018	.02807	-.00178	.04856	.01560	.00009	.00084	18.026	.00015	.00005
#2	.00010	.02842	.00096	.04776	.01549	.00004	-.00020	18.161	.00043	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00129**	**.05498**	**1.8025**	**.00541**	**3.7129**	**.01764**	**.00146**	**21.605**	**.00028**
Stddev	.00004	.00085	.00037	.0160	.00214	.0021	.00005	.00001	.220	.00002
%RSD	33.127	65.626	.67881	.88820	39.433	.05767	.29422	.64149	1.0168	5.5855
#1	.00016	.00069	.05524	1.8139	.00390	3.7144	.01768	.00145	21.450	.00027
#2	.00010	.00189	.05472	1.7912	.00692	3.7113	.01760	.00146	21.760	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17254**	**.00108**	**11.217**	**.00177**	**-.00097**	**1.2333**	**2.6393**	**.00221**	**.14087**	**-.00070**
Stddev	.00103	.00007	.007	.00237	.00026	.0205	.0439	.00059	.00106	.00146
%RSD	.59985	6.1011	.06306	133.66	26.985	1.6635	1.6635	26.746	.75036	207.89
#1	.17327	.00104	11.212	.00345	-.00116	1.2188	2.6083	.00263	.14012	.00033
#2	.17181	.00113	11.222	.00010	-.00079	1.2478	2.6704	.00180	.14162	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00110**	**.00036**	**-.00014**	**.01185**	**-.00065**
Stddev	.00015	.00021	.03904	.00069	.00038	.00263
%RSD	27.531	19.349	10721.	500.37	3.2375	406.28
#1	.00043	.00095	-.02724	.00035	.01212	.00121
#2	.00064	.00125	.02797	-.00062	.01158	-.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8135.5**	**103420.**	**8369.6**
Stddev	18.3	369.	22.4
%RSD	.22547	.35678	.26796
#1	8122.6	103680.	8385.5
#2	8148.5	103160.	8353.7

Sample Name: 280-48852-b-1-e ms Acquired: 11/8/2013 23:00:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**2.0587**	W **2.4705**	**1.0712**	**1.2911**	**2.2063**	**.05220**	F **2.3598**	**144.13**	**.10933**
Stddev	.00086	.0029	.0040	.0001	.0016	.0008	.00004	.0001	.14	.00032
%RSD	1.7227	.13914	.16021	.01377	.12467	.03625	.08573	.00540	.09760	.29187
#1	.04944	2.0607	2.4677	1.0713	1.2922	2.2057	.05223	2.3598	144.23	.10956
#2	.05066	2.0567	2.4733	1.0711	1.2899	2.2069	.05217	2.3599	144.03	.10911
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50888**	**.21041**	**.27155**	**1.1956**	**64.006**	**1.0880**	**69.014**	**.60017**	**1.0888**	**166.90**
Stddev	.00094	.00011	.00117	.0027	.229	.0008	.051	.00103	.0009	.01
%RSD	.18400	.05232	.42926	.22447	.35731	.06979	.07457	.17171	.08061	.00722
#1	.50954	.21048	.27237	1.1937	63.844	1.0886	69.051	.60090	1.0882	166.91
#2	.50822	.21033	.27073	1.1975	64.168	1.0875	68.978	.59944	1.0894	166.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51170**	W **11.685**	**.50503**	**59.989**	**.53116**	**2.0717**	**17.118**	**36.632**	W **2.0862**	**1.7899**
Stddev	.00036	.002	.00109	.103	.00353	.0015	.018	.038	.0006	.0005
%RSD	.07069	.01835	.21648	.17096	.66494	.07265	.10278	.10278	.02807	.02743
#1	.51195	11.684	.50426	60.062	.52867	2.0727	17.105	36.606	2.0858	1.7902
#2	.51144	11.687	.50580	59.917	.53366	2.0706	17.130	36.659	2.0866	1.7895
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0451**	**1.0736**	**1.9377**	**2.1983**	**.53649**	**.53128**	**.54119**
Stddev	.0008	.0001	.0006	.0063	.00025	.00215	.00089
%RSD	.07829	.00865	.03221	.28849	.04607	.40413	.16486
#1	1.0457	1.0737	1.9381	2.1939	.53631	.53279	.54183
#2	1.0445	1.0736	1.9372	2.2028	.53666	.52976	.54056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7787.9**	**98220.**	**8351.0**
Stddev	5.3	293.	39.8
%RSD	.06765	.29864	.47636
#1	7791.6	98427.	8379.1
#2	7784.2	98012.	8322.8

Sample Name: 280-48852-b-1-f msd Acquired: 11/8/2013 23:02:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05118**	**2.0575**	W **2.4105**	**1.0642**	**1.2850**	**2.1957**	**.05190**	F **2.3617**	**142.58**	**.10937**
Stddev	.00067	.0011	.0097	.0015	.0043	.0016	.00012	.0078	.06	.00034
%RSD	1.3088	.05537	.40085	.14521	.33705	.07371	.23777	.32865	.04309	.31387
#1	.05165	2.0583	2.4173	1.0632	1.2820	2.1968	.05199	2.3562	142.63	.10913
#2	.05071	2.0567	2.4036	1.0653	1.2881	2.1945	.05181	2.3672	142.54	.10961
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50812**	**.21046**	**.27193**	**1.1939**	**63.558**	**1.0904**	**69.042**	**.60000**	**1.0831**	**166.15**
Stddev	.00131	.00046	.00003	.0022	.039	.0006	.112	.00083	.0030	.13
%RSD	.25731	.21738	.01055	.18586	.06134	.05691	.16288	.13782	.28058	.07747
#1	.50720	.21014	.27191	1.1955	63.585	1.0909	68.962	.59941	1.0809	166.24
#2	.50905	.21079	.27195	1.1924	63.530	1.0900	69.121	.60058	1.0852	166.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51142**	W **11.687**	**.50456**	**59.718**	**.52696**	**2.0692**	**16.946**	**36.264**	W **2.0793**	**1.7769**
Stddev	.00258	.057	.00080	.238	.00474	.0106	.160	.343	.0068	.0021
%RSD	.50456	.48801	.15801	.39924	.89906	.51407	.94467	.94467	.32738	.11867
#1	.50960	11.647	.50399	59.549	.52361	2.0616	16.833	36.022	2.0745	1.7784
#2	.51325	11.727	.50512	59.886	.53031	2.0767	17.059	36.506	2.0841	1.7754
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0494**	**1.0664**	**1.9357**	**2.1948**	**.53392**	**.53098**	**.53363**
Stddev	.0029	.0007	.0052	.0297	.00006	.00199	.00211
%RSD	.27528	.06362	.26632	1.3533	.01079	.37449	.39523
#1	1.0474	1.0659	1.9320	2.1738	.53396	.52957	.53214
#2	1.0515	1.0669	1.9393	2.2158	.53388	.53239	.53513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7783.6**	**98438.**	**8388.2**
Stddev	17.3	98.	36.4
%RSD	.22167	.09987	.43390
#1	7771.4	98369.	8413.9
#2	7795.8	98508.	8362.4

Sample Name: 280-48852-b-2-b Acquired: 11/8/2013 23:04:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.09725**	**.00239**	**.25869**	**.08203**	**.00007**	**-.00145**	**93.936**	**.00069**	**.00016**
Stddev	.00018	.00052	.00337	.00058	.00018	.00001	.00024	.360	.00015	.00024
%RSD	113.72	.53392	141.42	.22538	.21777	13.625	16.497	.38377	21.291	154.36
#1	-.00029	.09762	.00477	.25827	.08190	.00007	-.00128	93.682	.00079	-.00001
#2	-.00003	.09688	.00000	.25910	.08215	.00006	-.00162	94.191	.00058	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00609**	**.78465**	**9.1013**	**.03323**	**18.810**	**.10323**	**.00643**	**109.85**	**.00188**
Stddev	.00009	.00017	.00138	.0215	.00072	.014	.00007	.00010	.75	.00022
%RSD	12.426	2.8506	.17583	.23606	2.1654	.07347	.06674	1.5196	.68316	11.556
#1	.00067	.00621	.78367	9.0861	.03374	18.800	.10328	.00650	109.32	.00203
#2	.00080	.00597	.78562	9.1164	.03272	18.819	.10318	.00636	110.38	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93784**	**.00140**	**59.079**	**-.00196**	**.00146**	**6.4572**	**13.818**	**-.00012**	**.73699**	**-.00040**
Stddev	.00086	.00090	.115	.00069	.00472	.0061	.013	.00031	.00560	.00219
%RSD	.09215	63.832	.19432	35.302	322.34	.09451	.09451	263.46	.75949	552.08
#1	.93846	.00077	59.160	-.00147	.00480	6.4615	13.828	-.00034	.73303	-.00195
#2	.93723	.00204	58.998	-.00244	-.00187	6.4529	13.809	.00010	.74094	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00383**	**.00052**	**.00426**	**.00138**	**.02838**	**.00099**
Stddev	.00018	.00229	.02007	.00022	.00029	.00177
%RSD	4.6718	439.97	470.85	15.880	1.0100	179.60
#1	.00396	-.00110	.01846	.00123	.02859	.00224
#2	.00371	.00214	-.00993	.00154	.02818	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7896.4**	**100080.**	**8333.0**
Stddev	5.9	460.	2.4
%RSD	.07509	.45951	.02938
#1	7900.6	99756.	8334.7
#2	7892.2	100410.	8331.3

Sample Name: 280-48852-b-3-b Acquired: 11/8/2013 23:07:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.08764**	**-.00035**	**.22060**	**.06096**	**.00014**	**-.00030**	**81.446**	**.00075**	**.00008**
Stddev	.00045	.00020	.00279	.00053	.00026	.00011	.00094	.192	.00005	.00017
%RSD	4113.0	.23105	798.17	.24070	.43412	80.925	307.91	.23579	6.0310	207.36
#1	.00031	.08778	.00162	.22022	.06114	.00006	-.00097	81.310	.00072	-.00004
#2	-.00033	.08750	-.00232	.22097	.06077	.00021	.00036	81.582	.00079	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00539**	**.23542**	**9.4997**	**.02661**	**17.511**	**.10860**	**.00842**	**101.09**	**.00156**
Stddev	.00016	.00002	.00279	.1034	.00022	.076	.00044	.00016	.31	.00025
%RSD	38.749	.28869	1.1846	1.0884	.82860	.43594	.40149	1.8820	.30425	15.899
#1	.00030	.00538	.23739	9.4266	.02677	17.565	.10891	.00853	101.30	.00139
#2	.00052	.00540	.23344	9.5728	.02646	17.457	.10829	.00831	100.87	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2112**	**.00150**	**53.672**	**-.00023**	**.00336**	**5.4161**	**11.591**	**.00009**	**.63018**	**-.00109**
Stddev	.0013	.00065	.001	.00282	.00245	.0020	.004	.00025	.00040	.00095
%RSD	.10980	43.425	.00200	1225.0	73.020	.03723	.03723	267.21	.06379	87.079
#1	1.2121	.00196	53.673	.00176	.00162	5.4147	11.587	-.00008	.62990	-.00176
#2	1.2102	.00104	53.671	-.00222	.00509	5.4176	11.594	.00027	.63047	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00269**	**.00053**	**.02188**	**.00085**	**.03600**	**.00058**
Stddev	.00031	.00045	.02409	.00031	.00048	.00044
%RSD	11.647	84.437	110.12	36.483	1.3244	76.135
#1	.00247	.00021	.03892	.00108	.03634	.00027
#2	.00291	.00084	.00484	.00063	.03566	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7991.6**	**100780.**	**8382.2**
Stddev	11.2	406.	76.1
%RSD	.14005	.40252	.90735
#1	7983.7	100490.	8435.9
#2	7999.5	101070.	8328.4

Sample Name: 280-48852-b-4-b Acquired: 11/8/2013 23:09:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.12690**	**.00014**	**.20552**	**.06475**	**.00016**	**.00085**	**86.294**	**.00060**	**.00008**
Stddev	.00022	.00055	.00316	.00000	.00021	.00000	.00067	.227	.00005	.00031
%RSD	138.33	.43593	2224.3	.00123	.32547	.05571	78.420	.26288	7.7401	385.84
#1	.00000	.12729	-.00209	.20552	.06490	.00016	.00038	86.454	.00057	.00030
#2	.00032	.12651	.00238	.20553	.06460	.00016	.00132	86.133	.00063	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.00690**	**.34022**	**10.117**	**.02691**	**18.943**	**.16456**	**.00384**	**102.00**	**.00196**
Stddev	.00004	.00024	.00328	.010	.00164	.012	.00042	.00012	.30	.00032
%RSD	5.9802	3.4925	.96276	.09527	6.0919	.06531	.25403	3.2159	.29621	16.340
#1	.00064	.00707	.33790	10.111	.02807	18.952	.16427	.00376	102.22	.00173
#2	.00059	.00673	.34253	10.124	.02576	18.935	.16486	.00393	101.79	.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2173**	**.00245**	**55.677**	**-.00200**	**.00353**	**5.7196**	**12.240**	**-.00095**	**.69507**	**-.00078**
Stddev	.0019	.00017	.032	.00077	.00336	.0332	.071	.00091	.00296	.00149
%RSD	.15784	6.8523	.05765	38.365	95.333	.58032	.58032	96.185	.42515	190.45
#1	1.2160	.00257	55.699	-.00145	.00115	5.7431	12.290	-.00030	.69716	-.00183
#2	1.2187	.00233	55.654	-.00254	.00591	5.6961	12.190	-.00160	.69298	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**.00070**	**-.00464**	**.00098**	**.02365**	**.00220**
Stddev	.00017	.00019	.01517	.00004	.00008	.00022
%RSD	4.1525	27.034	327.13	3.9826	.33701	9.9248
#1	.00401	.00057	.00609	.00095	.02371	.00236
#2	.00425	.00084	-.01537	.00101	.02359	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7982.1**	**101040.**	**8518.0**
Stddev	14.1	292.	63.6
%RSD	.17644	.28892	.74609
#1	7972.1	101250.	8473.1
#2	7992.0	100840.	8563.0

Sample Name: 280-48852-b-5-b Acquired: 11/8/2013 23:11:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.11226**	**-.00042**	**.16071**	**.08828**	**.00012**	**-.00034**	**99.675**	**.00055**	**.00010**
Stddev	.00007	.00048	.00141	.00074	.00020	.00002	.00044	.325	.00005	.00004
%RSD	36.214	.42806	338.23	.45961	.22668	14.415	127.09	.32564	9.5021	41.064
#1	.00024	.11260	-.00141	.16019	.08814	.00013	-.00065	99.445	.00059	.00012
#2	.00014	.11192	.00058	.16123	.08842	.00011	-.00003	99.904	.00052	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00280**	**.36150**	**6.1422**	**.02939**	**20.786**	**.26418**	**.00372**	**96.493**	**.00128**
Stddev	.00003	.00045	.00628	.0322	.00109	.070	.00067	.00008	.339	.00010
%RSD	5.9505	15.976	1.7377	.52467	3.7250	.33804	.25187	2.0292	.35135	7.6600
#1	.00056	.00249	.35705	6.1194	.03017	20.836	.26465	.00367	96.254	.00121
#2	.00051	.00312	.36594	6.1650	.02862	20.736	.26371	.00378	96.733	.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05479**	**-.00013**	**54.930**	**.00024**	**.00249**	**5.3246**	**11.395**	**-.00026**	**.81854**	**-.00153**
Stddev	.00059	.00021	.100	.00267	.00051	.0024	.005	.00060	.00342	.00061
%RSD	1.0687	159.73	.18228	1102.7	20.457	.04532	.04532	234.75	.41725	40.136
#1	.05520	-.00028	54.860	.00213	.00213	5.3229	11.391	-.00068	.81612	-.00110
#2	.05438	.00002	55.001	-.00164	.00284	5.3263	11.398	.00017	.82095	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00400**	**.00051**	**.00405**	**.00067**	**.01025**	**.00167**
Stddev	.00089	.00036	.03224	.00017	.00004	.00000
%RSD	22.291	71.066	796.65	24.475	.40329	.18364
#1	.00464	.00025	-.01875	.00079	.01022	.00168
#2	.00337	.00077	.02685	.00056	.01028	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7994.1**	**101790.**	**8553.6**
Stddev	2.2	764.	39.9
%RSD	.02804	.75041	.46658
#1	7992.5	101250.	8581.8
#2	7995.7	102330.	8525.4

Sample Name: CCVH-2357613 Acquired: 11/8/2013 23:14:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**50.892**	**.00112**	**.00717**	**-.00002**	**.00002**	**1.0361**	**.08049**	**-.00006**	**-.00081**	**-.00007**	**.00859**	**49.775**
Stddev	.00017	.015	.00039	.00019	.00019	.00011	.0002	.05874	.00008	.00017	.00013	.00024	.004
%RSD	5.1502	.02982	34.957	2.7026	958.78	446.03	.01599	72.979	131.26	21.062	192.34	2.8063	.00878
#1	.00352	50.881	.00084	.00731	.00011	-.00005	1.0360	.12203	.00000	-.00093	-.00016	.00842	49.771
#2	.00327	50.903	.00140	.00703	-.00015	.00010	1.0363	.03895	-.00012	-.00069	.00002	.00876	49.778
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21727**	**-.00230**	**.08495**	**.00039**	**-.00015**	**261.99**	**.00011**	**.00160**	**.00235**	**5.1294**	**.00015**	**-.00145**	**.02712**
Stddev	.03776	.00255	.00195	.00006	.00008	.40	.00013	.00085	.00009	.0119	.00118	.00186	.01130
%RSD	17.381	110.78	2.2946	15.711	51.339	.15189	126.40	53.534	3.9592	.23115	768.62	128.86	41.645
#1	.19056	-.00411	.08632	.00035	-.00020	261.71	.00020	.00099	.00228	5.1210	.00099	-.00276	.03511
#2	.24397	-.00050	.08357	.00043	-.00010	262.27	.00001	.00220	.00241	5.1377	-.00068	-.00013	.01914
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05804**	**-.00050**	**.00099**	**4.8521**	**-.00566**	**.00194**	**10.217**	**.00088**	**.00163**	**.02272**
Stddev	.02417	.00041	.00043	.0157	.00004	.00038	.018	.00023	.00035	.00235
%RSD	41.645	82.636	42.995	.32254	.62697	19.721	.17131	26.460	21.687	10.335
#1	.07514	-.00080	.00129	4.8410	-.00568	.00167	10.205	.00104	.00188	.02106
#2	.04095	-.00021	.00069	4.8632	-.00563	.00222	10.229	.00071	.00138	.02438
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8082.4**	**102220.**	**8539.0**
Stddev	.9	452.	60.2
%RSD	.01139	.44241	.70542
#1	8081.8	102540.	8581.6
#2	8083.1	101900.	8496.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 23:16:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50410**	**.51846**	**1.0175**	**.51634**	**.50736**	**.49989**	**.00118**	**5.0302**	**.51152**	**.50875**	**.50538**	**.51377**
Stddev	.00063	.00145	.0028	.00393	.00356	.00430	.00116	.0138	.00023	.00098	.00026	.00136
%RSD	.12585	.27998	.27901	.76129	.70087	.86025	97.846	.27395	.04402	.19270	.05138	.26409
#1	.50455	.51743	1.0155	.51356	.50987	.50293	.00200	5.0399	.51136	.50806	.50520	.51281
#2	.50365	.51948	1.0195	.51912	.50485	.49685	.00036	5.0204	.51168	.50945	.50556	.51473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4502**	**51.856**	**1.0159**	**19.834**	**.50191**	**.51422**	W **5.5179**	**.51365**	**1.0162**	**1.0421**	**.02211**	**1.0371**
Stddev	.0204	.152	.0075	.012	.00076	.00151	.0935	.00453	.0057	.0022	.00304	.0058
%RSD	.83170	.29331	.73823	.05962	.15071	.29343	1.6944	.88156	.55964	.21051	13.745	.55977
#1	2.4646	51.963	1.0212	19.843	.50245	.51316	5.5840	.51045	1.0122	1.0405	.02426	1.0330
#2	2.4358	51.748	1.0106	19.826	.50138	.51529	5.4518	.51685	1.0202	1.0436	.01997	1.0412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0127**	**5.0149**	**10.732**	**1.0222**	**.50441**	**-.00176**	**.50477**	**1.0373**	**.02609**	**.50730**	**.50372**	**.50728**
Stddev	.0014	.0295	.063	.0020	.00317	.00123	.00029	.0014	.01991	.00033	.00125	.00282
%RSD	.13422	.58903	.58903	.19603	.62791	69.710	.05699	.13379	76.335	.06428	.24724	.55609
#1	1.0118	5.0358	10.777	1.0207	.50665	-.00089	.50457	1.0363	.01201	.50753	.50284	.50927
#2	1.0137	4.9940	10.687	1.0236	.50217	-.00262	.50498	1.0383	.04017	.50707	.50460	.50528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8212.8**	**104520.**	**8580.6**
Stddev	30.2	98.	73.8
%RSD	.36733	.09349	.86058
#1	8234.1	104450.	8632.8
#2	8191.4	104590.	8528.4

Sample Name: CCB Acquired: 11/8/2013 23:18:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00243**	**.00168**	**.00301**	**.00012**	**.00027**	**.00087**	**.00777**	**.00025**	**-.00001**	**.00013**	**.00085**
Stddev	.00063	.00022	.00033	.00044	.00025	.00007	.00183	.00109	.00022	.00004	.00004	.00023
%RSD	119.03	8.8944	19.888	14.474	204.68	24.834	208.88	14.036	88.926	449.62	32.763	27.061
#1	.00008	.00258	.00191	.00270	-.00005	.00032	.00216	.00854	.00040	.00002	.00010	.00102
#2	.00098	.00228	.00144	.00332	.00030	.00023	-.00042	.00700	.00009	-.00003	.00017	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00540**	**.10657**	**.00078**	**-.00014**	**.00010**	**.00051**	W **.15213**	**.00020**	**-.00039**	**.00099**	**.01681**	F **.00659**
Stddev	.00317	.02436	.00133	.00048	.00005	.00004	.00373	.00005	.00021	.00047	.00067	.00087
%RSD	58.680	22.861	171.68	342.34	45.928	6.9775	2.4530	26.977	53.697	47.308	3.9649	13.237
#1	.00765	.12379	-.00017	-.00048	.00007	.00054	.15477	.00023	-.00024	.00132	.01728	.00721
#2	.00316	.08934	.00172	.00020	.00013	.00049	.14949	.00016	-.00054	.00066	.01633	.00597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00293**	**.00889**	**.01903**	**.00031**	**.00024**	**.00005**	**.00045**	**.00054**	**-.00009**	**-.00018**	**.00354**	**-.00087**
Stddev	.00277	.00006	.00012	.00001	.00013	.00001	.00031	.00084	.02820	.00054	.00056	.00086
%RSD	94.721	.62993	.62993	4.2051	55.350	20.425	69.871	155.88	30001.	293.68	15.853	98.450
#1	.00097	.00893	.01911	.00032	.00034	.00006	.00023	-.00006	.01984	.00020	.00394	-.00026
#2	.00489	.00885	.01894	.00030	.00015	.00004	.00067	.00113	-.02003	-.00056	.00314	-.00147
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8198.5**	**105200.**	**8336.2**
Stddev	26.7	349.	23.3
%RSD	.32518	.33171	.28001
#1	8217.4	104950.	8319.7
#2	8179.7	105450.	8352.7

Sample Name: CCVL2367586 Acquired: 11/8/2013 23:20:53 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**.10790**	**.01587**	**.10037**	**.01026**	**.00108**	**.12483**	**.21241**	**.00526**	**.01046**	**.01046**	**.01606**	**.10718**
Stddev	.00080	.00003	.00283	.00022	.00041	.00003	.00092	.00123	.00012	.00017	.00001	.00003	.00228
%RSD	8.5649	.03163	17.847	.21780	4.0181	2.6653	.73418	.57874	2.3381	1.6054	.11355	.19361	2.1230
#1	.00986	.10792	.01387	.10053	.00997	.00110	.12419	.21328	.00535	.01058	.01047	.01608	.10557
#2	.00873	.10787	.01787	.10022	.01056	.00106	.12548	.21154	.00517	.01034	.01045	.01604	.10878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2241**	**.00846**	**.20834**	**.01036**	**.02039**	**1.2094**	**.04205**	**2.9268**	**.01098**	**.01500**	**.00899**	**.01723**	**.50728**
Stddev	.0293	.00153	.00230	.00000	.00015	.0346	.00044	.0036	.00091	.00135	.00364	.00235	.00210
%RSD	.90717	18.096	1.1055	.02697	.73901	2.8642	1.0523	.12423	8.3011	9.0100	40.477	13.617	.41473
#1	3.2448	.00954	.20997	.01036	.02049	1.2339	.04236	2.9243	.01033	.01596	.00642	.01557	.50579
#2	3.2034	.00738	.20671	.01036	.02028	1.1850	.04174	2.9294	.01162	.01404	.01156	.01889	.50877
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0856**	**.10470**	**.01025**	**.01614**	**.00975**	**.01595**	F **.03883**	**.00990**	**.02518**	**.01602**
Stddev	.0045	.00047	.00013	.00026	.00036	.00026	.02999	.00052	.00017	.00002
%RSD	.41473	.44783	1.2747	1.6070	3.6866	1.6565	77.222	5.2667	.69265	.12175
#1	1.0824	.10503	.01016	.01632	.00950	.01576	.06003	.00953	.02530	.01603
#2	1.0888	.10436	.01034	.01595	.01001	.01614	.01763	.01026	.02506	.01600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8245.5**	**105690.**	**8442.4**
Stddev	23.4	488.	9.0
%RSD	.28437	.46134	.10627
#1	8228.9	106030.	8436.1
#2	8262.0	105340.	8448.7

Sample Name: 280-48880-d-1-b Acquired: 11/8/2013 23:23:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.25817**	**.00158**	**.03107**	**.06004**	**.00016**	**-.00190**	**38.935**	**.00031**	**-.00017**
Stddev	.00082	.00093	.00557	.00028	.00052	.00001	.00129	.010	.00006	.00018
%RSD	224.09	.36048	352.16	.91134	.86674	6.5424	67.671	.02640	19.858	106.07
#1	-.00095	.25751	-.00236	.03087	.06041	.00015	-.00281	38.928	.00035	-.00030
#2	.00021	.25882	.00553	.03127	.05968	.00016	-.00099	38.943	.00027	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00214**	**.00178**	**.26437**	**3.0218**	**.01420**	**8.8783**	**.11222**	**.00889**	**25.233**	**.00167**
Stddev	.00011	.00028	.00539	.0137	.00018	.0231	.00002	.00037	.695	.00025
%RSD	5.1908	15.938	2.0381	.45204	1.2754	.26050	.01872	4.2151	2.7559	14.904
#1	.00222	.00158	.26818	3.0315	.01408	8.8620	.11220	.00862	24.742	.00149
#2	.00206	.00198	.26056	3.0122	.01433	8.8947	.11223	.00915	25.725	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02403**	**.00155**	**18.318**	**.00264**	**-.00146**	**3.4138**	**7.3054**	**-.00025**	**.32346**	**-.00039**
Stddev	.00208	.00072	.059	.00220	.00075	.0173	.0369	.00115	.00070	.00125
%RSD	8.6366	46.751	.32462	83.410	51.543	.50565	.50565	464.97	.21561	316.50
#1	.02550	.00104	18.276	.00419	-.00199	3.4260	7.3316	.00057	.32395	-.00128
#2	.02257	.00206	18.360	.00108	-.00093	3.4016	7.2793	-.00106	.32297	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00903**	**.00073**	**.00119**	**.00045**	**.00592**	**.00068**
Stddev	.00019	.00090	.02750	.00050	.00027	.00079
%RSD	2.0836	122.90	2320.2	110.83	4.6149	116.54
#1	.00890	.00137	.02063	.00080	.00572	.00124
#2	.00916	.00010	-.01826	.00010	.00611	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8131.0**	**103410.**	**8507.8**
Stddev	5.9	38.	23.5
%RSD	.07239	.03705	.27621
#1	8126.9	103440.	8491.2
#2	8135.2	103390.	8524.4

Sample Name: 280-48880-d-2-b Acquired: 11/8/2013 23:25:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.02808**	**.00209**	**.21330**	**.04757**	**.00003**	**-.00003**	**83.482**	**.00070**	**-.00001**
Stddev	.00029	.00025	.00193	.00062	.00050	.00000	.00411	.404	.00009	.00008
%RSD	99.529	.90282	92.307	.28925	1.0451	13.905	12072.	.48414	12.847	1133.9
#1	-.00009	.02826	.00346	.21373	.04721	.00004	-.00294	83.768	.00076	-.00007
#2	-.00049	.02790	.00073	.21286	.04792	.00003	.00287	83.196	.00064	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.01574**	**.29841**	**17.252**	**.03519**	**18.378**	**.02745**	**.00589**	**140.24**	**.00174**
Stddev	.00005	.00081	.00242	.024	.00252	.080	.00014	.00007	.79	.00022
%RSD	11.270	5.1740	.81256	.13848	7.1545	.43429	.51782	1.2682	.56511	12.717
#1	.00046	.01517	.29670	17.269	.03341	18.322	.02735	.00594	140.80	.00190
#2	.00039	.01632	.30013	17.235	.03697	18.435	.02755	.00584	139.68	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35151**	**.00104**	**54.832**	**-.00172**	**.00358**	**2.2645**	**4.8461**	**.00030**	**.81832**	**-.00081**
Stddev	.00073	.00062	.116	.00018	.00106	.0139	.0298	.00064	.00420	.00101
%RSD	.20839	59.267	.21155	10.770	29.590	.61575	.61575	213.23	.51376	124.15
#1	.35099	.00148	54.750	-.00185	.00432	2.2547	4.8250	.00076	.82129	-.00152
#2	.35203	.00060	54.914	-.00159	.00283	2.2744	4.8672	-.00015	.81534	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00169**	**.00092**	**.04394**	**.00047**	**.04839**	**.00206**
Stddev	.00046	.00075	.00371	.00091	.00008	.00019
%RSD	27.385	81.968	8.4407	190.81	.15731	9.3671
#1	.00202	.00039	.04132	-.00017	.04845	.00219
#2	.00137	.00145	.04656	.00111	.04834	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7959.4**	**101130.**	**8540.4**
Stddev	1.1	227.	27.9
%RSD	.01356	.22469	.32725
#1	7958.6	101300.	8520.6
#2	7960.1	100970.	8560.1

Sample Name: 280-48880-d-3-b Acquired: 11/8/2013 23:27:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.21159**	**-.00089**	**.14455**	**.07228**	**.00007**	**.00127**	**73.134**	**.00049**	**.00038**
Stddev	.00054	.00050	.00149	.00031	.00009	.00005	.00111	.323	.00005	.00012
%RSD	238.67	.23477	167.72	.21666	.12098	65.596	86.811	.44176	10.077	31.848
#1	-.00016	.21194	-.00194	.14478	.07222	.00010	.00206	72.905	.00045	.00029
#2	.00061	.21124	.00016	.14433	.07234	.00004	.00049	73.362	.00052	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00632**	**.34611**	**10.698**	**.02813**	**15.793**	**.16986**	**.00720**	**85.947**	**.00126**
Stddev	.00013	.00043	.00358	.039	.00008	.022	.00059	.00029	.580	.00004
%RSD	28.053	6.7647	1.0329	.36030	.27228	.14174	.34960	4.0210	.67431	2.9094
#1	.00057	.00663	.34359	10.671	.02819	15.808	.17028	.00741	85.537	.00129
#2	.00038	.00602	.34864	10.725	.02808	15.777	.16944	.00700	86.357	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21388**	**.00072**	**40.960**	**-.00089**	**.00082**	**3.8214**	**8.1779**	**-.00027**	**.69395**	**-.00155**
Stddev	.00095	.00050	.107	.00246	.00223	.0050	.0108	.00017	.00135	.00182
%RSD	.44550	69.277	.26106	276.24	270.34	.13179	.13179	62.539	.19414	117.63
#1	.21321	.00108	40.884	.00085	.00240	3.8179	8.1702	-.00039	.69300	-.00026
#2	.21455	.00037	41.035	-.00263	-.00075	3.8250	8.1855	-.00015	.69490	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00613**	**-.00069**	**-.00558**	**.00107**	**.02432**	**.00272**
Stddev	.00024	.00040	.00405	.00025	.00003	.00359
%RSD	3.9459	58.999	72.486	23.410	.13088	132.03
#1	.00630	-.00097	-.00844	.00125	.02434	.00525
#2	.00596	-.00040	-.00272	.00090	.02429	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8034.5**	**102540.**	**8620.2**
Stddev	9.9	283.	71.1
%RSD	.12322	.27634	.82535
#1	8027.5	102340.	8670.5
#2	8041.5	102740.	8569.9

Sample Name: 280-48837-b-2-a Acquired: 11/8/2013 23:30:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**24.396**	**.01187**	**.04759**	**.28847**	**.00113**	**-.01724**	**56.562**	**.00110**	**.00822**
Stddev	.00055	.057	.00227	.00002	.00051	.00003	.00078	.180	.00003	.00015
%RSD	522.53	.23462	19.117	.04792	.17586	2.9072	4.5291	.31763	2.4246	1.8312
#1	-.00028	24.437	.01347	.04757	.28883	.00115	-.01779	56.689	.00108	.00833
#2	.00050	24.356	.01026	.04760	.28811	.00110	-.01669	56.435	.00112	.00811
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02592**	**.02776**	**20.798**	**7.8695**	**.02224**	**14.907**	**.44038**	**.01055**	**14.087**	**.03910**
Stddev	.00011	.00043	.125	.0972	.00083	.039	.00033	.00028	.248	.00011
%RSD	.42849	1.5534	.59972	1.2347	3.7204	.26356	.07534	2.6536	1.7594	.26877
#1	.02600	.02746	20.886	7.9382	.02282	14.935	.44062	.01075	13.912	.03917
#2	.02584	.02807	20.710	7.8008	.02165	14.880	.44015	.01035	14.262	.03903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.68224**	**.01695**	**12.019**	**-.00128**	**.00265**	W **53.384**	**114.24**	**.00093**	**.22442**	**.00797**
Stddev	.00089	.00107	.008	.00237	.00133	.070	.15	.00075	.00038	.00247
%RSD	.13071	6.2983	.06467	185.84	50.106	.13149	.13149	79.845	.17148	31.033
#1	.68287	.01619	12.013	.00040	.00359	53.433	114.35	.00146	.22469	.00972
#2	.68161	.01770	12.024	-.00295	.00171	53.334	114.14	.00041	.22415	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						50.000				
Low Limit						-.10000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34658**	**-.00034**	**-.03088**	**.05185**	**.08675**	**.01054**
Stddev	.00245	.00043	.00161	.00003	.00055	.00314
%RSD	.70694	124.13	5.2014	.05169	.63652	29.785
#1	.34485	-.00004	-.02974	.05183	.08636	.01276
#2	.34832	-.00064	-.03202	.05187	.08714	.00832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8441.1**	**105530.**	**8868.7**
Stddev	22.6	357.	55.0
%RSD	.26777	.33851	.62047
#1	8425.1	105270.	8829.8
#2	8457.0	105780.	8907.6

Sample Name: 280-48837-b-3-a Acquired: 11/8/2013 23:32:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199649 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**114.33**	**.05536**	**.13989**	**1.0782**	**.00595**	**-.04272**	**182.72**	**.00364**	**.04211**
Stddev	.00104	.05	.00250	.00055	.0038	.00002	.00042	1.29	.00013	.00000
%RSD	112.23	.04691	4.5186	.39428	.35027	.37597	.98796	.70801	3.4748	.00277
#1	-.00167	114.37	.05360	.14028	1.0809	.00597	-.04302	181.80	.00356	.04211
#2	-.00019	114.29	.05713	.13950	1.0756	.00593	-.04242	183.63	.00373	.04211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13276**	**.13916**	**114.73**	**29.494**	**.09613**	**43.718**	**1.9557**	**.04719**	**22.728**	**.16101**
Stddev	.00005	.00001	.65	.021	.00401	.043	.0022	.00003	.106	.00007
%RSD	.03464	.00684	.56989	.07193	4.1696	.09875	.11450	.05873	.46702	.04067
#1	.13279	.13916	115.19	29.509	.09896	43.749	1.9573	.04717	22.803	.16096
#2	.13273	.13917	114.27	29.479	.09329	43.688	1.9541	.04721	22.653	.16105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2353**	**.13696**	**22.261**	**-.00301**	**.01087**	W **107.44**	W **229.91**	**.00945**	**.57024**	**.03048**
Stddev	.0057	.00117	.017	.00194	.00040	.31	.66	.00018	.00218	.00066
%RSD	.13431	.85269	.07858	64.428	3.6370	.28896	.28896	1.9320	.38301	2.1740
#1	4.2394	.13778	22.249	-.00164	.01115	107.66	230.38	.00932	.57178	.03001
#2	4.2313	.13613	22.273	-.00438	.01059	107.22	229.44	.00958	.56869	.03095
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000					50.000	107.00			
Low Limit	-1.0000					-.10000	-.21400			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0065**	**-.00233**	F **-.13774**	**.25605**	**1.1548**	**.02683**
Stddev	.0036	.00199	.06775	.00046	.0033	.00062
%RSD	.36081	85.145	49.186	.17803	.28824	2.3102
#1	1.0040	-.00093	-.08984	.25637	1.1571	.02727
#2	1.0091	-.00374	-.18565	.25573	1.1524	.02640
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8646.0**	**107050.**	**9508.8**
Stddev	6.8	789.	22.8
%RSD	.07827	.73684	.23995
#1	8650.8	106490.	9524.9
#2	8641.2	107610.	9492.7

Sample Name: CCVH-2357613 Acquired: 11/8/2013 23:34:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00365**	**50.591**	**.00235**	**.00585**	**.00049**	**.00001**	**1.0376**	**.05614**	**-.00012**	**-.00091**	**-.00012**	**.00893**	**49.231**
Stddev	.00053	.072	.00531	.00002	.00080	.00008	.0076	.00439	.00000	.00005	.00005	.00028	.460
%RSD	14.399	.14214	226.46	.30748	164.01	1048.9	.73675	7.8166	.57863	5.3990	39.348	3.1083	.93469
#1	.00328	50.642	-.00141	.00583	.00105	.00006	1.0322	.05925	-.00012	-.00094	-.00016	.00874	48.906
#2	.00402	50.540	.00610	.00586	-.00008	-.00005	1.0430	.05304	-.00012	-.00087	-.00009	.00913	49.557
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11365**	**.00160**	**.09118**	**.00077**	**-.00041**	**260.46**	**-.00017**	**.00300**	**.00171**	**5.1007**	**.00135**	**-.00142**	**.11166**
Stddev	.05057	.00026	.00153	.00002	.00012	1.54	.00024	.00066	.00042	.0169	.00252	.00179	.00479
%RSD	44.493	16.481	1.6777	2.5763	30.236	.58972	141.58	22.162	24.560	.33119	186.29	126.20	4.2871
#1	.14941	.00141	.09010	.00076	-.00050	261.55	-.00034	.00347	.00200	5.0887	-.00043	-.00269	.10828
#2	.07790	.00179	.09226	.00078	-.00032	259.38	.00000	.00253	.00141	5.1126	.00314	-.00015	.11505
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23896**	**-.00050**	**.00057**	**4.8662**	**-.00526**	**.00191**	**10.181**	**.00025**	**.00182**	**.01888**
Stddev	.01024	.00038	.00006	.0104	.00019	.00108	.025	.00059	.00025	.00605
%RSD	4.2871	75.210	11.068	.21272	3.6384	56.560	.24685	235.59	13.517	32.018
#1	.23172	-.00077	.00061	4.8735	-.00512	.00267	10.163	-.00017	.00199	.01461
#2	.24620	-.00023	.00052	4.8588	-.00539	.00115	10.199	.00067	.00164	.02316
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8122.9**	**101790.**	**8523.9**
Stddev	7.7	194.	41.6
%RSD	.09533	.19081	.48827
#1	8128.4	101650.	8494.5
#2	8117.5	101920.	8553.4

Sample Name: CCV-2357614 Acquired: 11/8/2013 23:37:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51452**	**.53513**	**1.0374**	**.52542**	**.51688**	**.51109**	**.00167**	**5.1483**	**.52267**	**.52045**	**.51651**	**.52631**	**2.4821**
Stddev	.00021	.00093	.0006	.00175	.00132	.00014	.00106	.0042	.00041	.00085	.00046	.00071	.0080
%RSD	.04035	.17354	.06233	.33265	.25450	.02817	63.660	.08108	.07820	.16342	.08913	.13397	.32104
#1	.51467	.53579	1.0369	.52665	.51595	.51099	.00242	5.1512	.52296	.52105	.51684	.52681	2.4877
#2	.51438	.53448	1.0379	.52418	.51781	.51119	.00092	5.1453	.52238	.51985	.51619	.52581	2.4764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.939**	**1.0336**	**20.318**	**.51319**	**.52720**	F **5.5552**	**.52206**	**1.0426**	**1.0667**	**.01514**	**1.0586**	**1.0454**	**5.1360**
Stddev	.095	.0020	.067	.00147	.00101	.0077	.00016	.0063	.0006	.00138	.0040	.0033	.0360
%RSD	.17913	.19663	.33095	.28641	.19236	.13822	.03042	.60310	.05525	9.0923	.38119	.31446	.70119
#1	52.872	1.0321	20.365	.51423	.52792	5.5606	.52218	1.0470	1.0671	.01611	1.0558	1.0477	5.1105
#2	53.006	1.0350	20.270	.51215	.52648	5.5497	.52195	1.0382	1.0663	.01416	1.0615	1.0431	5.1614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.991**	**1.0466**	**.51494**	**-.00374**	**.51667**	**1.0607**	**-.03448**	**.51989**	**.51504**	**.51599**
Stddev	.077	.0018	.00062	.00228	.00121	.0007	.00675	.00037	.00022	.00045
%RSD	.70119	.17378	.12101	60.919	.23365	.06475	19.586	.07195	.04341	.08714
#1	10.936	1.0479	.51450	-.00534	.51752	1.0611	-.02971	.52016	.51520	.51567
#2	11.045	1.0453	.51538	-.00213	.51582	1.0602	-.03926	.51963	.51488	.51631
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8228.4**	**104330.**	**8525.2**
Stddev	4.0	34.	70.3
%RSD	.04892	.03225	.82495
#1	8231.2	104310.	8574.9
#2	8225.5	104360.	8475.5

Sample Name: CCB Acquired: 11/8/2013 23:39:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.00587**	**.00178**	**.00226**	**.00018**	**.00024**	**.00354**	**.01702**	**.00024**	**.00005**	**.00017**	**.00024**
Stddev	.00063	.00138	.00007	.00021	.00001	.00015	.00009	.00485	.00004	.00007	.00024	.00007
%RSD	104.78	23.478	3.6627	9.1637	5.7212	64.801	2.5505	28.504	17.893	125.36	140.93	29.805
#1	.00016	.00685	.00182	.00240	.00017	.00035	.00347	.02045	.00027	.00001	.00000	.00019
#2	.00105	.00490	.00173	.00211	.00019	.00013	.00360	.01359	.00021	.00010	.00034	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01496**	**.04886**	**-.00112**	**.00763**	**.00024**	**.00060**	W **.10887**	**-.00003**	**-.00062**	**.00198**	**.01190**	F **.00756**
Stddev	.00310	.02870	.00169	.00106	.00002	.00013	.00562	.00033	.00010	.00074	.00340	.00027
%RSD	20.716	58.754	150.93	13.875	10.098	21.834	5.1593	1000.4	15.613	37.135	28.596	3.5752
#1	.01715	.02856	.00008	.00837	.00023	.00051	.11285	.00020	-.00055	.00250	.01431	.00775
#2	.01277	.06915	-.00231	.00688	.00026	.00070	.10490	-.00027	-.00069	.00146	.00949	.00737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00094**	**.03233**	**.06918**	**.00063**	**.00028**	**.00168**	**.00005**	**-.00108**	**-.01233**	**-.00005**	**.00411**	**-.00107**
Stddev	.00398	.00235	.00503	.00021	.00001	.00017	.00021	.00094	.00024	.00012	.00013	.00217
%RSD	424.98	7.2771	7.2771	33.442	4.2147	10.192	382.82	87.408	1.9379	235.44	3.1993	202.80
#1	-.00188	.03066	.06562	.00078	.00027	.00156	.00020	-.00175	-.01216	-.00013	.00421	.00046
#2	.00375	.03399	.07274	.00048	.00029	.00180	-.00009	-.00041	-.01249	.00003	.00402	-.00260
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8300.2**	**106310.**	**8453.0**
Stddev	7.2	332.	33.8
%RSD	.08682	.31240	.39994
#1	8295.1	106070.	8476.9
#2	8305.3	106540.	8429.1

Sample Name: CCVL2367586 Acquired: 11/8/2013 23:41:27 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.11074**	**.01637**	**.10064**	**.01040**	**.00112**	**.12612**	**.21342**	**.00558**	**.01056**	**.01072**	**.01611**	**.10812**
Stddev	.00002	.00047	.00039	.00037	.00001	.00015	.00434	.00029	.00003	.00011	.00000	.00041	.00022
%RSD	.24689	.42294	2.4031	.37144	.11730	13.755	3.4392	.13576	.57631	1.0455	.04595	2.5533	.20305
#1	.00997	.11107	.01665	.10037	.01041	.00122	.12919	.21363	.00560	.01048	.01072	.01640	.10828
#2	.00993	.11041	.01610	.10090	.01039	.00101	.12306	.21322	.00556	.01064	.01072	.01582	.10796
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2427**	**.01201**	**.21124**	**.01044**	**.02073**	**1.1785**	**.04245**	**2.9577**	**.01045**	**.01326**	**.01097**	**.01846**	**.52466**
Stddev	.0729	.00054	.00244	.00007	.00020	.0005	.00041	.0038	.00024	.00019	.00059	.00060	.00450
%RSD	2.2486	4.5265	1.1569	.69767	.97477	.04458	.96335	.12896	2.2799	1.3986	5.4205	3.2771	.85722
#1	3.2942	.01162	.21296	.01050	.02087	1.1789	.04274	2.9550	.01061	.01313	.01055	.01803	.52148
#2	3.1911	.01239	.20951	.01039	.02058	1.1781	.04216	2.9604	.01028	.01339	.01140	.01888	.52784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1228**	**.10446**	**.01053**	**.01542**	**.01044**	**.01592**	F **.08034**	**.00969**	**.02573**	**.01729**
Stddev	.0096	.00155	.00000	.00187	.00034	.00106	.01051	.00022	.00022	.00068
%RSD	.85722	1.4885	.00685	12.156	3.2440	6.6675	13.085	2.3064	.85941	3.9275
#1	1.1160	.10336	.01053	.01674	.01068	.01517	.08777	.00985	.02557	.01777
#2	1.1296	.10556	.01053	.01409	.01020	.01667	.07290	.00953	.02589	.01681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8353.4**	**106380.**	**8498.7**
Stddev	20.3	431.	94.0
%RSD	.24341	.40548	1.1059
#1	8339.0	106080.	8432.3
#2	8367.7	106690.	8565.2

Sample Name: mb 280-199620/1-b Acquired: 11/8/2013 23:43:47 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00014**	**.00819**	**.00123**	**.00192**	**.00028**	**.00015**	**.00151**	**.01136**	**.00015**	**-.00006**
Stddev	.00000	.00013	.00312	.00070	.00006	.00006	.00211	.00031	.00014	.00014
%RSD	1.9201	1.5437	254.79	36.272	20.399	39.673	139.07	2.7017	92.664	239.45
#1	-.00014	.00828	.00343	.00143	.00032	.00011	.00300	.01158	.00005	-.00015
#2	-.00014	.00810	-.00098	.00241	.00024	.00020	.00003	.01114	.00024	.00004
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00017**	**.01068**	**.04711**	**.00040**	**.00280**	W **.00076**	**.00021**	W **.11502**	**-.00009**
Stddev	.00005	.00040	.00069	.02908	.00363	.00008	.00001	.00028	.00790	.00006
%RSD	28.393	237.54	6.4830	61.722	907.70	2.8463	1.9573	130.98	6.8655	74.886
#1	.00014	.00045	.01117	.06767	.00297	.00286	.00075	.00002	.12061	-.00013
#2	.00021	-.00011	.01019	.02655	-.00217	.00274	.00077	.00041	.10944	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit							.00023		.05054	
Low Limit							-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**.00083**	F **.01871**	**.00184**	**.00211**	F **.01004**	**.02148**	**-.00022**	**.00004**	W **.00018**
Stddev	.00101	.00011	.00255	.00024	.00381	.00539	.01154	.00004	.00002	.00131
%RSD	99.162	13.485	13.615	12.878	180.75	53.700	53.700	16.393	51.382	721.93
#1	.00030	.00091	.01691	.00201	-.00059	.01385	.02964	-.00019	.00006	.00111
#2	.00173	.00075	.02051	.00168	.00480	.00623	.01332	-.00024	.00003	-.00075
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00052**	**.00146**	**-.00037**	W **.00450**	**-.00059**
Stddev	.00023	.00076	.06830	.00033	.00058	.00180
%RSD	151.56	145.16	4670.4	90.353	12.844	303.51
#1	.00032	.00001	-.04683	-.00060	.00491	-.00187
#2	-.00001	-.00106	.04976	-.00013	.00409	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8313.7**	**106810.**	**8439.9**
Stddev	31.8	239.	14.7
%RSD	.38230	.22415	.17393
#1	8336.1	106640.	8429.5
#2	8291.2	106980.	8450.3

Sample Name: lcs 280-199620/2-b Acquired: 11/8/2013 23:46:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04979	1.9440	1.0105	1.0183	2.0620	.05028	2.3221	49.746	.10585	.49995
Stddev	.00005	.0000	.0047	.0030	.0028	.00031	.0020	.086	.00035	.00021
%RSD	.10143	.00148	.46386	.29152	.13534	.61285	.08676	.17264	.33442	.04122
#1	.04976	1.9440	1.0138	1.0162	2.0600	.05007	2.3207	49.685	.10560	.49980
#2	.04983	1.9441	1.0072	1.0204	2.0639	.05050	2.3235	49.806	.10610	.50009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20452	.26339	.97368	52.564	1.0255	49.945	.50352	1.0332	54.277	.50152
Stddev	.00051	.00009	.00556	.015	.0017	.013	.00042	.0032	.241	.00060
%RSD	.24916	.03380	.57055	.02827	.16173	.02624	.08275	.30818	.44421	.11919
#1	.20416	.26332	.96975	52.575	1.0243	49.954	.50381	1.0309	54.107	.50110
#2	.20488	.26345	.97761	52.554	1.0266	49.936	.50322	1.0354	54.448	.50194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.286	.50104	.00575	.51088	2.0205	10.095	21.602	2.0311	1.0223	1.0250
Stddev	.021	.00269	.00010	.00237	.0062	.049	.104	.0071	.0012	.0024
%RSD	.20838	.53763	1.7944	.46369	.30706	.48335	.48335	.34940	.11628	.23785
#1	10.271	.49913	.00582	.51255	2.0249	10.060	21.529	2.0361	1.0215	1.0233
#2	10.301	.50294	.00567	.50920	2.0161	10.129	21.676	2.0261	1.0232	1.0268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0301	1.9790	2.1755	.52032	.50157	.51930
Stddev	.0016	.0113	.0814	.00103	.00116	.00307
%RSD	.15438	.56896	3.7429	.19880	.23131	.59168
#1	1.0312	1.9870	2.1180	.51959	.50075	.51712
#2	1.0290	1.9710	2.2331	.52105	.50239	.52147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8017.1	101270.	8494.7
Stddev	5.7	86.	18.8
%RSD	.07059	.08500	.22187
#1	8021.1	101210.	8481.4
#2	8013.1	101330.	8508.1

Sample Name: 280-48852-c-1-d Acquired: 11/8/2013 23:48:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.01372**	**.00145**	**.22841**	**.07473**	**.00000**	**-.00114**	**89.478**	**.00058**	**-.00001**
Stddev	.00018	.00025	.00025	.00033	.00081	.0001	.00225	.026	.00012	.00007
%RSD	32.075	1.8550	17.110	.14372	1.0899	2814.2	196.66	.02909	20.368	997.36
#1	-.00069	.01354	.00127	.22864	.07531	.00005	-.00273	89.459	.00066	.00004
#2	-.00044	.01390	.00162	.22817	.07416	-.00005	.00045	89.496	.00049	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00487**	**.08125**	**8.4916**	**.03350**	**18.016**	**.07938**	**.00628**	**106.97**	**.00167**
Stddev	.00011	.00014	.00158	.0724	.00278	.031	.00032	.00012	.89	.00007
%RSD	20.203	2.9646	1.9396	.85304	8.3008	.17054	.40080	1.9366	.82738	3.9121
#1	.00061	.00477	.08236	8.4404	.03547	17.994	.07916	.00619	107.59	.00162
#2	.00045	.00497	.08013	8.5428	.03154	18.038	.07961	.00636	106.34	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.86011**	**.00230**	**56.973**	**.00027**	**.00357**	**5.9619**	**12.758**	**.00054**	**.70084**	**.00008**
Stddev	.00159	.00037	.083	.00178	.00039	.0194	.042	.00093	.00034	.00070
%RSD	.18463	16.269	.14548	651.90	11.024	.32590	.32590	174.27	.04891	877.96
#1	.85899	.00256	56.915	.00153	.00385	5.9481	12.729	-.00012	.70108	.00057
#2	.86123	.00204	57.032	-.00099	.00329	5.9756	12.788	.00119	.70060	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00144**	**.01747**	**.00108**	**.02365**	**-.00009**
Stddev	.00032	.00073	.05024	.00015	.00028	.00084
%RSD	35.444	50.511	287.60	13.734	1.1646	942.33
#1	.00067	.00092	-.01805	.00098	.02345	-.00068
#2	.00112	.00195	.05299	.00119	.02384	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7921.9**	**100590.**	**8413.5**
Stddev	4.1	457.	51.4
%RSD	.05134	.45478	.61079
#1	7919.0	100910.	8377.2
#2	7924.8	100270.	8449.8

Sample Name: 280-48852-c-1-dSD@5 Acquired: 11/8/2013 23:50:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.07691**	**.00085**	**.04648**	**.01452**	**.00002**	**.00151**	**17.696**	**.00033**	**-.00013**
Stddev	.00004	.00044	.00097	.00041	.00001	.00003	.00004	.048	.00001	.00002
%RSD	9.3694	.57072	114.10	.87921	.06226	210.36	2.7386	.27222	2.5974	13.362
#1	-.00042	.07722	.00154	.04619	.01453	.00004	.00148	17.731	.00034	-.00015
#2	-.00037	.07660	.00016	.04677	.01452	-.00001	.00154	17.662	.00033	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00159**	**.40680**	**1.7383**	**.00598**	**3.6440**	**.02014**	**.00131**	**21.311**	**.00034**
Stddev	.00011	.00023	.00037	.0367	.00216	.0130	.00012	.00009	.029	.00017
%RSD	26.951	14.200	.09049	2.1086	36.038	.35617	.57230	6.9650	.13771	50.508
#1	.00033	.00175	.40654	1.7642	.00751	3.6349	.02005	.00125	21.291	.00046
#2	.00049	.00143	.40706	1.7124	.00446	3.6532	.02022	.00138	21.332	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16562**	**.00068**	**11.062**	**-.00160**	**.00063**	**1.1604**	**2.4832**	**.00227**	**.13905**	**.00241**
Stddev	.00129	.00010	.032	.00013	.00079	.0112	.0239	.00049	.00031	.00008
%RSD	.77782	14.397	.29202	8.3415	125.49	.96456	.96456	21.427	.22447	3.4574
#1	.16471	.00075	11.085	-.00169	.00119	1.1683	2.5002	.00192	.13927	.00235
#2	.16653	.00061	11.040	-.00150	.00007	1.1525	2.4663	.00261	.13883	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00130**	**-.01525**	**-.00008**	**.02382**	**-.00226**
Stddev	.00011	.00028	.00629	.00000	.00000	.00056
%RSD	26.033	21.671	41.237	5.2021	.01243	24.844
#1	.00051	.00150	-.01081	-.00009	.02382	-.00265
#2	.00035	.00110	-.01970	-.00008	.02382	-.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8160.7**	**104040.**	**8421.0**
Stddev	22.5	217.	24.1
%RSD	.27594	.20816	.28565
#1	8144.7	104190.	8404.0
#2	8176.6	103890.	8438.0

Sample Name: 280-48852-c-1-e ms Acquired: 11/8/2013 23:52:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04969**	**1.9248**	**1.0369**	**1.2313**	**2.1544**	**.05106**	F **2.3146**	**136.97**	**.10681**	**.49690**
Stddev	.00010	.0038	.0021	.0005	.0018	.00027	.0117	.27	.00020	.00017
%RSD	.20991	.19636	.20184	.03966	.08344	.52580	.50449	.20059	.18628	.03362
#1	.04962	1.9275	1.0355	1.2309	2.1557	.05125	2.3228	137.16	.10695	.49702
#2	.04976	1.9221	1.0384	1.2316	2.1531	.05087	2.3063	136.78	.10667	.49679
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20617**	**.26776**	**1.0522**	**62.276**	**1.0699**	**66.998**	**.58038**	**1.0498**	**159.26**	**.50079**
Stddev	.00008	.00088	.0024	.078	.0011	.005	.00061	.0006	.35	.00050
%RSD	.04078	.32801	.23100	.12586	.10528	.00793	.10596	.05254	.22075	.10030
#1	.20623	.26714	1.0539	62.331	1.0707	66.994	.57994	1.0495	159.01	.50044
#2	.20611	.26838	1.0504	62.221	1.0691	67.002	.58081	1.0502	159.51	.50115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.361**	**.49502**	**56.207**	**.51396**	**2.0282**	**16.042**	**34.330**	W **2.0165**	**1.7222**	**1.0277**
Stddev	.001	.00078	.036	.00044	.0035	.033	.071	.0015	.0037	.0035
%RSD	.01082	.15670	.06376	.08493	.17166	.20713	.20713	.07516	.21712	.34135
#1	11.362	.49447	56.232	.51427	2.0257	16.066	34.380	2.0176	1.7249	1.0252
#2	11.360	.49557	56.181	.51365	2.0307	16.019	34.280	2.0155	1.7196	1.0301
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0360**	**1.8951**	**2.1860**	**.52553**	**.51742**	**.52250**
Stddev	.0006	.0015	.0225	.00051	.00191	.00209
%RSD	.05966	.07841	1.0284	.09619	.36890	.39905
#1	1.0355	1.8962	2.1701	.52588	.51877	.52103
#2	1.0364	1.8941	2.2019	.52517	.51607	.52397
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7805.9**	**98909.**	**8355.7**
Stddev	14.9	295.	5.9
%RSD	.19115	.29835	.07022
#1	7795.3	98700.	8351.6
#2	7816.4	99117.	8359.9

Sample Name: 280-48852-c-1-f msd Acquired: 11/8/2013 23:54:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05098**	**1.9567**	**1.0587**	**1.2533**	**2.1930**	**.05206**	F **2.3477**	**139.22**	**.10898**	**.50657**
Stddev	.00053	.0025	.0007	.0009	.0015	.00018	.0028	.22	.00007	.00107
%RSD	1.0451	.12771	.06979	.07199	.06852	.34396	.11798	.15582	.06281	.21220
#1	.05060	1.9549	1.0592	1.2527	2.1919	.05194	2.3458	139.37	.10903	.50581
#2	.05135	1.9584	1.0582	1.2540	2.1940	.05219	2.3497	139.06	.10893	.50733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20964**	**.27294**	**1.0728**	**63.145**	**1.0917**	**68.170**	**.59004**	**1.0684**	**162.01**	**.50963**
Stddev	.00053	.00115	.0050	.045	.0042	.030	.00102	.0000	.30	.00054
%RSD	.25357	.42007	.46796	.07121	.38506	.04339	.17263	.00116	.18393	.10680
#1	.21002	.27376	1.0692	63.177	1.0888	68.149	.58932	1.0684	161.80	.51001
#2	.20926	.27213	1.0763	63.114	1.0947	68.191	.59076	1.0684	162.22	.50924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.547**	**.50135**	**57.127**	**.51975**	**2.0511**	**16.298**	**34.878**	W **2.0468**	**1.7543**	**1.0470**
Stddev	.002	.00084	.097	.00200	.0077	.144	.309	.0002	.0001	.0062
%RSD	.01766	.16704	.16983	.38495	.37690	.88608	.88608	.00871	.00271	.59149
#1	11.545	.50195	57.058	.51834	2.0566	16.196	34.660	2.0469	1.7542	1.0426
#2	11.548	.50076	57.195	.52117	2.0456	16.400	35.097	2.0467	1.7543	1.0514
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0542**	**1.9301**	**2.2416**	**.53624**	**.52700**	**.52995**
Stddev	.0017	.0018	.0279	.00040	.00284	.00224
%RSD	.16321	.09088	1.2460	.07482	.53856	.42223
#1	1.0529	1.9289	2.2613	.53652	.52499	.52837
#2	1.0554	1.9314	2.2218	.53596	.52901	.53153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7782.1**	**99047.**	**8409.7**
Stddev	10.7	612.	3.3
%RSD	.13811	.61751	.03892
#1	7774.5	99480.	8407.4
#2	7789.7	98615.	8412.0

Sample Name: 280-48888-a-1-c Acquired: 11/8/2013 23:57:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.00302**	**.00256**	**.11077**	**.20433**	**.00012**	**-.00136**	**174.15**	**.00080**	**.00010**
Stddev	.00003	.00067	.00347	.00067	.00068	.00010	.00504	.10	.00005	.00009
%RSD	4.7848	22.240	135.86	.60528	.33272	87.471	369.23	.05559	6.6602	88.119
#1	-.00063	.00350	.00010	.11030	.20481	.00019	-.00493	174.08	.00076	.00016
#2	-.00067	.00255	.00501	.11125	.20385	.00005	.00220	174.22	.00084	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00434**	**.01691**	**5.7280**	**.05254**	**33.988**	**.01831**	**.00341**	**112.32**	**.00075**
Stddev	.00002	.00002	.00077	.0844	.00020	.094	.00006	.00019	.27	.00012
%RSD	5.6389	.49293	4.5495	1.4733	.37166	.27595	.34417	5.6261	.24339	15.949
#1	.00039	.00435	.01637	5.7877	.05241	33.922	.01835	.00327	112.13	.00067
#2	.00043	.00432	.01745	5.6683	.05268	34.055	.01826	.00354	112.52	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01558**	**.00081**	**74.673**	**.00065**	**.01132**	**9.5740**	**20.488**	**.00048**	**1.8577**	**-.00061**
Stddev	.00069	.00041	.011	.00264	.00427	.0428	.092	.00046	.0025	.00048
%RSD	4.3980	50.389	.01443	404.38	37.690	.44733	.44733	95.931	.13360	79.130
#1	.01509	.00110	74.681	.00252	.01434	9.5437	20.424	.00016	1.8594	-.00095
#2	.01606	.00052	74.666	-.00121	.00831	9.6043	20.553	.00081	1.8559	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00264**	**.03988**	**.00096**	**.00904**	**.00282**
Stddev	.00036	.00030	.02035	.00031	.00028	.00049
%RSD	52.549	11.291	51.016	32.279	3.0741	17.216
#1	.00044	.00243	.02550	.00074	.00885	.00248
#2	.00095	.00285	.05427	.00118	.00924	.00317
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7771.0**	**99438.**	**8447.1**
Stddev	17.0	375.	12.0
%RSD	.21874	.37729	.14183
#1	7783.0	99703.	8455.5
#2	7759.0	99173.	8438.6

Sample Name: 280-48888-a-1-d ms Acquired: 11/8/2013 23:59:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05062**	**1.8965**	**1.0441**	**1.1240**	**2.2805**	**.05058**	F **2.3144**	**218.68**	**.10754**	**.49348**
Stddev	.00003	.0022	.0008	.0016	.0020	.00021	.0031	.86	.00001	.00058
%RSD	.06099	.11874	.08105	.14595	.08840	.41100	.13266	.39193	.01066	.11845
#1	.05064	1.8981	1.0447	1.1228	2.2791	.05043	2.3166	219.29	.10754	.49389
#2	.05060	1.8950	1.0435	1.1252	2.2819	.05072	2.3122	218.08	.10755	.49307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20543**	**.26667**	**.97663**	**59.571**	**1.0950**	**82.625**	**.51525**	**1.0471**	**166.69**	**.49693**
Stddev	.00013	.00055	.00083	.087	.0018	.041	.00064	.0011	.34	.00078
%RSD	.06348	.20536	.08469	.14601	.15993	.04970	.12397	.10703	.20484	.15793
#1	.20552	.26628	.97605	59.509	1.0963	82.654	.51570	1.0463	166.45	.49749
#2	.20534	.26705	.97722	59.632	1.0938	82.596	.51480	1.0479	166.93	.49638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.581**	**.48914**	**74.412**	**.51258**	**2.0426**	**19.712**	**42.184**	W **2.0075**	**2.8716**	**1.0191**
Stddev	.005	.00138	.149	.00233	.0066	.067	.144	.0002	.0047	.0027
%RSD	.05175	.28182	.20029	.45396	.32107	.34064	.34064	.00811	.16287	.26567
#1	10.585	.48816	74.517	.51422	2.0472	19.665	42.083	2.0076	2.8683	1.0210
#2	10.577	.49011	74.306	.51093	2.0379	19.760	42.286	2.0074	2.8749	1.0171
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0266**	**1.8765**	**2.1891**	**.52304**	**.49765**	**.52026**
Stddev	.0005	.0019	.0094	.00162	.00024	.00182
%RSD	.04829	.10076	.43022	.30954	.04782	.34964
#1	1.0269	1.8778	2.1958	.52418	.49781	.51897
#2	1.0262	1.8751	2.1825	.52189	.49748	.52154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7697.8**	**98428.**	**8482.5**
Stddev	14.8	143.	88.1
%RSD	.19186	.14548	1.0384
#1	7708.2	98529.	8420.2
#2	7687.3	98326.	8544.7

Sample Name: 280-48888-a-1-e msd Acquired: 11/9/2013 0:01:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05021**	**1.8954**	**1.0458**	**1.1272**	**2.2888**	**.05114**	F **2.3197**	**223.37**	**.10789**	**.49521**
Stddev	.00026	.0043	.0051	.0009	.0024	.00000	.0050	.65	.00003	.00006
%RSD	.50904	.22581	.48604	.08150	.10263	.00186	.21562	.29115	.02975	.01238
#1	.05039	1.8923	1.0422	1.1266	2.2872	.05114	2.3162	223.83	.10787	.49517
#2	.05002	1.8984	1.0494	1.1279	2.2905	.05114	2.3232	222.91	.10791	.49526
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20609**	**.26746**	**.98078**	**59.894**	**1.0973**	**83.431**	**.51981**	**1.0514**	**167.50**	**.49902**
Stddev	.00007	.00074	.00299	.048	.0014	.601	.00405	.0020	.06	.00046
%RSD	.03439	.27777	.30500	.07968	.12474	.72047	.78007	.19281	.03725	.09264
#1	.20604	.26799	.97866	59.928	1.0963	83.856	.52268	1.0500	167.55	.49935
#2	.20614	.26694	.98289	59.860	1.0983	83.006	.51694	1.0529	167.46	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.613**	**.49015**	**74.672**	**.51396**	**2.0418**	**19.855**	**42.490**	W **2.0128**	**2.8881**	**1.0262**
Stddev	.007	.00023	.021	.00568	.0086	.123	.262	.0029	.0030	.0109
%RSD	.06376	.04594	.02859	1.1042	.41966	.61705	.61705	.14578	.10514	1.0578
#1	10.608	.49030	74.656	.50995	2.0357	19.942	42.676	2.0107	2.8860	1.0338
#2	10.618	.48999	74.687	.51798	2.0479	19.769	42.305	2.0148	2.8903	1.0185
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0359**	**1.8789**	**2.1959**	**.52701**	**.50134**	**.52300**
Stddev	.0071	.0002	.0835	.00355	.00273	.00356
%RSD	.68928	.01128	3.8016	.67318	.54413	.68163
#1	1.0409	1.8791	2.1369	.52952	.50326	.52552
#2	1.0308	1.8788	2.2550	.52450	.49941	.52048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7711.4**	**97743.**	**8450.4**
Stddev	1.2	169.	26.9
%RSD	.01593	.17287	.31852
#1	7710.5	97623.	8469.5
#2	7712.3	97862.	8431.4

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:03:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**50.962**	**.00169**	**.00862**	**.00097**	**.00008**	**1.0335**	**.06590**	**-.00004**	**-.00074**	**-.00006**	**.00863**	**49.255**
Stddev	.00010	.082	.00388	.00044	.00010	.00006	.0047	.01119	.00012	.00027	.00005	.00072	.134
%RSD	2.8112	.16048	229.78	5.1172	10.416	75.822	.45287	16.979	298.76	36.872	79.604	8.2942	.27192
#1	.00336	51.020	-.00105	.00893	.00090	.00012	1.0302	.07382	-.00012	-.00055	-.00003	.00914	49.160
#2	.00349	50.904	.00443	.00831	.00105	.00004	1.0368	.05799	.00004	-.00093	-.00009	.00812	49.350
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18028**	**.00252**	**.09615**	**.00041**	**.00026**	**261.78**	**.00001**	**.00227**	**.00203**	**5.1042**	**.00024**	**.00372**	**.03461**
Stddev	.00375	.00055	.00420	.00001	.00015	.22	.00029	.00064	.00053	.0059	.00148	.00164	.01881
%RSD	2.0821	21.976	4.3655	1.9333	55.621	.08419	4333.2	28.193	25.941	.11531	616.09	44.178	54.335
#1	.18293	.00291	.09318	.00042	.00036	261.93	.00021	.00182	.00240	5.1083	.00128	.00488	.02132
#2	.17762	.00212	.09912	.00041	.00016	261.62	-.00020	.00272	.00166	5.1000	-.00080	.00256	.04791
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07408**	**-.00002**	**.00111**	**4.8615**	**-.00581**	**.00185**	**10.178**	**.00073**	**.00190**	**.01844**
Stddev	.04025	.00032	.00017	.0076	.00017	.00053	.032	.00009	.00084	.00245
%RSD	54.335	1876.4	14.894	.15599	2.9045	28.560	.31809	12.022	44.304	13.305
#1	.04561	.00021	.00123	4.8669	-.00593	.00223	10.155	.00080	.00131	.01670
#2	.10254	-.00024	.00099	4.8561	-.00569	.00148	10.201	.00067	.00250	.02017
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8040.1**	**100670.**	**8363.9**
Stddev	23.4	452.	63.2
%RSD	.29053	.44923	.75557
#1	8056.7	100350.	8319.2
#2	8023.6	100990.	8408.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 0:06:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50390**	**.51838**	**1.0095**	**.51413**	**.51036**	**.50232**	**.00253**	**5.0947**	**.51018**	**.51150**	**.50627**	**.51492**
Stddev	.00106	.00222	.0026	.00004	.00075	.00042	.00211	.0016	.00088	.00013	.00024	.00118
%RSD	.21020	.42747	.25692	.00800	.14598	.08377	83.349	.03132	.17234	.02519	.04783	.22890
#1	.50315	.51995	1.0077	.51410	.50983	.50202	.00402	5.0936	.50956	.51159	.50610	.51409
#2	.50465	.51681	1.0113	.51416	.51088	.50262	.00104	5.0958	.51080	.51141	.50644	.51575
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4330**	**52.178**	**1.0184**	**19.947**	**.50608**	**.51347**	W **5.5028**	**.51244**	**1.0140**	**1.0410**	**.01806**	**1.0333**
Stddev	.0227	.037	.0045	.036	.00035	.00421	.0196	.00045	.0053	.0076	.00086	.0041
%RSD	.93237	.07029	.43977	.18052	.06954	.82000	.35595	.08785	.51884	.72733	4.7616	.39731
#1	2.4491	52.152	1.0152	19.972	.50633	.51049	5.5166	.51212	1.0103	1.0356	.01745	1.0304
#2	2.4170	52.204	1.0215	19.921	.50583	.51644	5.4889	.51276	1.0178	1.0463	.01867	1.0362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0171**	**4.9945**	**10.688**	**1.0256**	**.50700**	**-.00231**	**.50884**	**1.0420**	**-.02397**	**.51195**	**.50761**	**.50496**
Stddev	.0024	.0444	.095	.0025	.00045	.00232	.00082	.0022	.02733	.00125	.00031	.00117
%RSD	.23594	.88826	.88826	.24715	.08902	100.16	.16030	.20862	113.98	.24353	.06129	.23230
#1	1.0187	5.0259	10.755	1.0238	.50669	-.00395	.50941	1.0404	-.00465	.51284	.50783	.50579
#2	1.0154	4.9632	10.621	1.0274	.50732	-.00067	.50826	1.0435	-.04330	.51107	.50739	.50413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.2**	**103630.**	**8433.7**
Stddev	14.0	316.	29.3
%RSD	.17121	.30502	.34755
#1	8205.1	103410.	8413.0
#2	8185.3	103860.	8454.4

Sample Name: CCB Acquired: 11/9/2013 0:08:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00229**	**-.00033**	**.00316**	**-.00001**	**.00018**	**.00111**	**.00579**	**.00012**	**-.00020**	**.00009**	**.00021**
Stddev	.00026	.00033	.00089	.00044	.00012	.00003	.00233	.00219	.00005	.00009	.00005	.00001
%RSD	57.978	14.597	268.64	14.022	989.45	14.080	210.10	37.870	41.352	44.802	55.014	4.2873
#1	.00063	.00205	-.00096	.00347	.00007	.00020	.00275	.00424	.00016	-.00026	.00013	.00020
#2	.00026	.00252	.00030	.00284	-.00010	.00016	-.00054	.00734	.00009	-.00014	.00006	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00392**	**.10060**	**.00238**	**.00547**	**.00006**	**.00064**	W **.09771**	**-.00005**	**-.00064**	**.00037**	**.01083**	F **.00730**
Stddev	.00203	.03586	.00220	.00107	.00001	.00028	.01460	.00008	.00034	.00070	.00290	.00102
%RSD	51.850	35.649	92.710	19.632	10.177	44.481	14.947	150.72	53.347	192.09	26.789	13.979
#1	.00536	.07524	.00394	.00623	.00006	.00084	.10804	.00000	-.00088	-.00013	.01289	.00658
#2	.00248	.12596	.00082	.00471	.00006	.00044	.08738	-.00010	-.00040	.00086	.00878	.00802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00164**	**.01011**	**.02165**	**.00027**	**.00017**	**-.00039**	**.00034**	**.00048**	**.00036**	**-.00053**	**.00397**	**-.00026**
Stddev	.00148	.00088	.00188	.00022	.00005	.00131	.00045	.00057	.01848	.00033	.00009	.00057
%RSD	90.130	8.6659	8.6659	81.839	27.238	335.74	135.17	120.35	5174.6	61.289	2.3938	214.43
#1	.00269	.01073	.02297	.00011	.00020	-.00131	.00066	.00088	-.01271	-.00077	.00403	.00014
#2	.00060	.00949	.02032	.00043	.00014	.00053	.00001	.00007	.01342	-.00030	.00390	-.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8344.7**	**107620.**	**8491.1**
Stddev	23.5	352.	18.7
%RSD	.28197	.32709	.22035
#1	8328.0	107860.	8477.9
#2	8361.3	107370.	8504.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 0:10:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00989**	**.10745**	**.01574**	**.10129**	**.01034**	**.00106**	**.12535**	**.21669**	**.00573**	**.01049**	**.01068**	**.01576**	**.10301**	**3.1993**
Stddev	.00038	.00093	.00161	.00014	.00015	.00000	.00096	.00045	.00008	.00002	.00003	.00000	.00182	.0361
%RSD	3.8088	.86358	10.228	.14118	1.4102	.03270	.76704	.20834	1.4764	.21436	.26197	.02022	1.7682	1.1286
#1	.00962	.10679	.01688	.10119	.01023	.00106	.12603	.21701	.00579	.01050	.01070	.01576	.10172	3.1738
#2	.01015	.10810	.01460	.10139	.01044	.00106	.12467	.21637	.00567	.01047	.01066	.01576	.10430	3.2248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01214**	**.21112**	**.01033**	**.02072**	**1.1549**	**.04251**	**2.9539**	**.01015**	**.01408**	**.01001**	**.01553**	**.49172**	**1.0523**	**.10390**
Stddev	.00203	.00221	.00003	.00044	.0086	.00031	.0066	.00110	.00081	.00218	.00020	.01944	.0416	.00083
%RSD	16.736	1.0485	.33792	2.1318	.74555	.71841	.22521	10.827	5.7488	21.827	1.2785	3.9542	3.9542	.80043
#1	.01071	.20955	.01031	.02041	1.1488	.04229	2.9492	.01093	.01351	.00847	.01539	.47797	1.0229	.10449
#2	.01358	.21269	.01036	.02103	1.1609	.04272	2.9586	.00937	.01466	.01156	.01567	.50547	1.0817	.10331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.01514**	**.01013**	**.01769**	**.05788**	**.00946**	**.02534**	**.01557**
Stddev	.00002	.00159	.00000	.00109	.01388	.00004	.00013	.00007
%RSD	.22344	10.484	.02737	6.1853	23.980	.46629	.52156	.42368
#1	.01045	.01626	.01014	.01692	.04806	.00949	.02544	.01562
#2	.01041	.01401	.01013	.01847	.06769	.00943	.02525	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8368.4**	**107460.**	**8565.7**
Stddev	16.1	125.	50.6
%RSD	.19191	.11637	.59114
#1	8357.1	107550.	8529.9
#2	8379.8	107370.	8601.5

Sample Name: 280-48852-c-2-b Acquired: 11/9/2013 0:12:52 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**.01415**	**.00103**	**.24305**	**.07549**	**.00009**	**.00024**	**90.032**	**.00080**	**.00018**
Stddev	.00068	.00330	.00157	.00017	.00021	.00002	.00300	.149	.00010	.00018
%RSD	190.13	23.300	152.67	.07171	.27438	16.545	1237.2	.16535	11.898	103.53
#1	-.00084	.01648	.00213	.24293	.07534	.00010	-.00188	90.137	.00087	.00031
#2	.00012	.01182	-.00008	.24318	.07564	.00008	.00237	89.926	.00073	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00418**	**.07949**	**8.5641**	**.02635**	**17.921**	**.09041**	**.00567**	**106.42**	**.00138**
Stddev	.00031	.00028	.00087	.0103	.00399	.002	.00002	.00002	.19	.00050
%RSD	69.759	6.7089	1.0964	.12063	15.124	.01101	.02169	.29609	.17570	35.927
#1	.00067	.00398	.08011	8.5714	.02917	17.922	.09042	.00566	106.55	.00173
#2	.00023	.00437	.07888	8.5568	.02353	17.920	.09039	.00568	106.29	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.85319**	**.00027**	**56.454**	**.00068**	**.00256**	**5.9931**	**12.825**	**-.00072**	**.70819**	**.00056**
Stddev	.00033	.00209	.104	.00134	.00143	.0749	.160	.00010	.00110	.00133
%RSD	.03899	766.61	.18389	198.15	55.967	1.2501	1.2501	14.294	.15505	236.27
#1	.85295	.00175	56.381	.00162	.00357	6.0461	12.939	-.00064	.70741	.00151
#2	.85342	-.00121	56.527	-.00027	.00155	5.9402	12.712	-.00079	.70896	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00042**	**.00147**	**.00111**	**.02447**	**.00223**
Stddev	.00042	.00176	.01339	.00019	.00028	.00074
%RSD	452.98	418.02	910.83	17.565	1.1434	32.921
#1	-.00039	.00166	.01094	.00125	.02467	.00275
#2	.00020	-.00082	-.00800	.00097	.02428	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8000.6**	**102280.**	**8566.7**
Stddev	17.1	36.	121.0
%RSD	.21370	.03515	1.4126
#1	7988.5	102310.	8481.2
#2	8012.7	102260.	8652.3

Sample Name: 280-48852-c-3-b Acquired: 11/9/2013 0:15:12 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.01585**	**.00066**	**.21904**	**.05991**	**.00020**	**-.00155**	**81.912**	**.00070**	**.00000**
Stddev	.00011	.00022	.00075	.00004	.00022	.00002	.00160	.175	.00015	.00004
%RSD	67.088	1.3783	113.01	.01796	.36802	11.136	103.64	.21344	21.852	11856.
#1	-.00024	.01569	.00013	.21906	.05975	.00021	-.00268	81.788	.00059	.00003
#2	-.00009	.01600	.00119	.21901	.06006	.00018	-.00041	82.036	.00081	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00483**	**.09356**	**9.5115**	**.02862**	**17.420**	**.10022**	**.00841**	**102.57**	**.00193**
Stddev	.00021	.00022	.00082	.0042	.00004	.059	.00021	.00020	.03	.00021
%RSD	51.359	4.5495	.88084	.04428	.13177	.33595	.20633	2.4080	.03408	10.672
#1	.00026	.00498	.09297	9.5145	.02865	17.461	.10037	.00855	102.55	.00179
#2	.00056	.00467	.09414	9.5085	.02860	17.378	.10007	.00826	102.59	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1791**	**.00214**	**53.829**	**.00073**	**.00259**	**5.2096**	**11.148**	**-.00051**	**.63695**	**-.00007**
Stddev	.0047	.00005	.081	.00007	.00219	.0155	.033	.00068	.00239	.00110
%RSD	.40010	2.3569	.14990	9.0768	84.490	.29821	.29821	132.68	.37470	1674.4
#1	1.1824	.00211	53.772	.00068	.00104	5.2206	11.172	-.00003	.63526	-.00084
#2	1.1757	.00218	53.887	.00078	.00414	5.1986	11.125	-.00099	.63864	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00041**	**.02030**	**.00023**	**.03359**	**.00153**
Stddev	.00015	.00033	.06268	.00019	.00100	.00077
%RSD	96.802	79.053	308.72	83.628	2.9758	50.256
#1	.00005	.00018	.06462	.00037	.03430	.00208
#2	.00027	.00064	-.02402	.00010	.03288	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8031.2**	**102440.**	**8561.4**
Stddev	15.2	542.	23.2
%RSD	.18912	.52886	.27133
#1	8020.4	102050.	8577.9
#2	8041.9	102820.	8545.0

Sample Name: 280-48852-c-4-b Acquired: 11/9/2013 0:17:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00754	.00034	.19695	.06031	.00003	.00123	83.509	.00049	-.00006
Stddev	.00026	.00001	.00121	.00088	.00019	.00004	.00278	.014	.00009	.00005
%RSD	455.55	.07212	361.01	.44894	.31742	125.89	226.12	.01627	17.523	83.286
#1	-.00013	.00753	.00119	.19633	.06044	.00000	.00319	83.499	.00055	-.00009
#2	.00024	.00754	-.00052	.19758	.06017	.00006	-.00074	83.519	.00043	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00030	.00560	.10671	9.7355	.02593	18.215	.14421	.00390	99.203	.00174
Stddev	.00008	.00005	.00028	.0631	.00008	.001	.00009	.00005	.541	.00011
%RSD	27.467	.80757	.26059	.64845	.31861	.00334	.06312	1.2770	.54540	6.0863
#1	.00024	.00563	.10691	9.6909	.02587	18.215	.14427	.00394	98.820	.00181
#2	.00035	.00556	.10651	9.7802	.02599	18.214	.14415	.00387	99.585	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1379	.00118	54.041	-.00122	.00447	5.2290	11.190	-.00025	.67484	-.00042
Stddev	.0115	.00100	.123	.00012	.00166	.0156	.033	.00064	.00096	.00037
%RSD	1.0125	84.766	.22688	9.6360	37.175	.29753	.29753	260.15	.14233	88.263
#1	1.1297	.00188	53.955	-.00130	.00330	5.2180	11.167	-.00070	.67416	-.00016
#2	1.1460	.00047	54.128	-.00113	.00565	5.2400	11.214	.00021	.67552	-.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00023	-.00003	.04830	.00051	.02302	.00142
Stddev	.00024	.00028	.01095	.00027	.00007	.00013
%RSD	106.09	1072.2	22.678	51.609	.31293	9.3764
#1	.00040	.00017	.05605	.00033	.02307	.00132
#2	.00006	-.00023	.04056	.00070	.02297	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8050.0	102500.	8666.9
Stddev	6.0	23.	30.9
%RSD	.07502	.02254	.35707
#1	8045.7	102490.	8688.8
#2	8054.3	102520.	8645.0

Sample Name: 280-48852-c-5-b Acquired: 11/9/2013 0:19:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00808**	**-.00085**	**.16361**	**.08784**	**.00013**	**-.00054**	**102.21**	**.00039**	**.00006**
Stddev	.00042	.00038	.00064	.00025	.00150	.00001	.00124	.22	.00006	.00025
%RSD	77.242	4.7543	75.514	.15317	1.7023	5.0418	228.29	.21088	14.592	409.85
#1	-.00025	.00781	-.00040	.16343	.08890	.00013	.00033	102.36	.00043	.00024
#2	-.00084	.00835	-.00131	.16378	.08678	.00014	-.00142	102.05	.00035	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00272**	**.07254**	**6.2869**	**.03118**	**21.410**	**.26453**	**.00389**	**99.110**	**.00102**
Stddev	.00005	.00045	.00050	.0349	.00048	.009	.00008	.00007	.368	.00052
%RSD	11.999	16.429	.69598	.55562	1.5550	.04385	.02908	1.9240	.37107	50.803
#1	.00037	.00240	.07289	6.3116	.03084	21.417	.26459	.00394	99.370	.00065
#2	.00044	.00303	.07218	6.2622	.03152	21.404	.26448	.00383	98.850	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02740**	**.00044**	**56.465**	**-.00199**	**.00383**	**5.1785**	**11.082**	**-.00060**	**.84073**	**-.00090**
Stddev	.00052	.00070	.053	.00043	.00201	.0704	.151	.00113	.00231	.00023
%RSD	1.8803	161.11	.09425	21.580	52.500	1.3600	1.3600	187.92	.27516	26.049
#1	.02776	.00093	56.502	-.00230	.00525	5.2283	11.189	-.00140	.84237	-.00107
#2	.02703	-.00006	56.427	-.00169	.00241	5.1287	10.976	.00020	.83910	-.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00101**	**.00319**	**.00071**	**.01056**	**.00267**
Stddev	.00006	.00090	.00148	.00003	.00014	.00302
%RSD	34.662	89.139	46.413	4.0056	1.3713	113.17
#1	.00013	.00164	.00424	.00073	.01046	.00480
#2	.00022	.00037	.00214	.00069	.01066	.00053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8000.3**	**102020.**	**8637.3**
Stddev	5.3	307.	39.6
%RSD	.06597	.30138	.45853
#1	7996.6	102240.	8609.3
#2	8004.0	101800.	8665.3

Sample Name: 280-48833-d-1-b Acquired: 11/9/2013 0:22:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**61.199**	**.01013**	**.00678**	**.01826**	**.01036**	**-.00953**	**347.79**	**.06455**	**.25158**
Stddev	.00072	.083	.00377	.00046	.00015	.00001	.00107	.64	.00019	.00020
%RSD	130.25	.13508	37.255	6.8199	.79760	.12189	11.245	.18289	.29036	.07986
#1	-.00004	61.141	.00746	.00711	.01816	.01037	-.00877	347.34	.06442	.25172
#2	-.00106	61.258	.01280	.00645	.01836	.01035	-.01029	348.24	.06468	.25144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00547**	W **13.131**	**83.093**	**4.3816**	**.03642**	**40.799**	W **14.916**	**-.00101**	**64.955**	**.27891**
Stddev	.00006	.019	.157	.0603	.00136	.198	.092	.00020	.503	.00008
%RSD	1.0737	.14632	.18930	1.3760	3.7427	.48622	.61473	19.922	.77464	.02912
#1	.00543	13.118	82.982	4.3390	.03546	40.659	14.981	-.00115	65.311	.27885
#2	.00552	13.145	83.204	4.4242	.03739	40.939	14.851	-.00087	64.599	.27896
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.01000					-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00684**	**.06198**	F **533.17**	**-.00171**	**.00217**	**15.589**	**33.360**	**.00013**	**1.1169**	**.00677**
Stddev	.00003	.00081	1.30	.00275	.00168	.077	.164	.00044	.0009	.00235
%RSD	.44623	1.3005	.24325	160.28	77.160	.49093	.49093	347.69	.08058	34.702
#1	.00686	.06255	532.25	-.00365	.00336	15.535	33.245	-.00018	1.1175	.00844
#2	.00682	.06141	534.08	.00023	.00099	15.643	33.476	.00044	1.1163	.00511
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**-.00149**	F **-.21405**	**.00102**	**6.8921**	**.00076**
Stddev	.00016	.00142	.02367	.00036	.0186	.00059
%RSD	58.163	95.124	11.058	35.148	.26971	76.704
#1	-.00017	-.00250	-.23078	.00127	6.8789	.00118
#2	-.00040	-.00049	-.19731	.00076	6.9052	.00035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.2**	**105380.**	**9221.9**
Stddev	85.2	552.	72.4
%RSD	1.0055	.52367	.78552
#1	8414.9	105770.	9273.1
#2	8535.5	104990.	9170.7

Sample Name: 280-48833-d-2-b Acquired: 11/9/2013 0:24:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**1.5999**	**-.00427**	**.00871**	**.03376**	**.00004**	**.00149**	W **619.31**	**.00116**	**.00098**
Stddev	.00069	.0017	.00246	.00018	.00008	.00003	.00087	.47	.00012	.00014
%RSD	80.007	.10385	57.762	2.0963	.24863	74.835	58.473	.07665	10.303	14.055
#1	-.00135	1.5987	-.00252	.00884	.03370	.00002	.00087	619.65	.00108	.00089
#2	-.00037	1.6011	-.00601	.00858	.03382	.00006	.00210	618.97	.00125	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.01525**	**.01856**	**5.0597**	**.04136**	**20.000**	**1.2501**	**.00257**	**80.712**	**.00228**
Stddev	.00008	.00006	.00317	.0474	.00032	.026	.0011	.00006	.191	.00043
%RSD	47.029	.37566	17.076	.93617	.77866	.12921	.08780	2.3060	.23652	19.063
#1	.00023	.01521	.02080	5.0932	.04159	19.982	1.2509	.00261	80.847	.00258
#2	.00011	.01529	.01631	5.0262	.04114	20.019	1.2493	.00252	80.577	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**-.00097**	F **578.97**	**.00198**	**-.00196**	**.17339**	**.37105**	**-.00079**	**1.3336**	**.00018**
Stddev	.00130	.00003	.24	.00199	.00221	.00011	.00024	.00029	.0006	.00308
%RSD	82.002	2.7348	.04202	100.52	112.81	.06599	.06599	36.484	.04137	1699.8
#1	.00250	-.00095	578.80	.00057	-.00040	.17347	.37123	-.00099	1.3339	-.00200
#2	.00067	-.00099	579.15	.00338	-.00353	.17331	.37088	-.00058	1.3332	.00236
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00368**	**-.03987**	**.00019**	**.01637**	**.00221**
Stddev	.00017	.00080	.01045	.00042	.00075	.00212
%RSD	137.89	21.794	26.207	217.70	4.6109	95.709
#1	.00000	.00311	-.03248	-.00010	.01583	.00071
#2	.00024	.00425	-.04726	.00049	.01690	.00371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7709.4**	**98286.**	**8578.9**
Stddev	9.4	442.	14.2
%RSD	.12149	.44933	.16604
#1	7702.8	98598.	8568.8
#2	7716.0	97973.	8589.0

Sample Name: 280-48833-d-3-b Acquired: 11/9/2013 0:27:04 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**2.3909**	W **2.7696**	**.00012**	**.00364**	**.02614**	**.00044**	**-.00093**	**74.992**	**.00329**
Stddev	.00045	.0075	.0035	.00024	.00007	.00022	.00002	.00217	.136	.00022
%RSD	3215.8	.31490	.12594	205.70	1.9110	.84746	4.6004	233.23	.18184	6.8351
#1	-.00034	2.3962	2.7721	.00029	.00359	.02599	.00043	.00060	75.088	.00313
#2	.00031	2.3856	2.7672	-.00005	.00369	.02630	.00045	-.00246	74.895	.00345
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01451**	**.00025**	**.36695**	**1.1041**	**1.7353**	**.00844**	**7.5624**	**1.3605**	**-.00006**	**8.4829**
Stddev	.00000	.00022	.00010	.0104	.0285	.00193	.0111	.0011	.00021	.0112
%RSD	.02919	87.489	.02608	.94583	1.6434	22.865	.14700	.08309	357.28	.13208
#1	.01451	.00010	.36688	1.1115	1.7554	.00707	7.5545	1.3597	.00009	8.4908
#2	.01451	.00041	.36702	1.0967	1.7151	.00980	7.5702	1.3613	-.00021	8.4750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02170**	**.00098**	**.00023**	**81.908**	**-.00052**	**.00084**	**8.1180**	**17.373**	**.00061**	**.30359**
Stddev	.00015	.00111	.00026	.058	.00078	.00172	.0951	.204	.00009	.00076
%RSD	.68349	113.19	112.31	.07131	148.31	203.23	1.1716	1.1716	14.330	.24940
#1	.02160	.00177	.00042	81.950	.00003	-.00037	8.1853	17.517	.00054	.30413
#2	.02181	.00020	.00005	81.867	-.00107	.00206	8.0508	17.229	.00067	.30306
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00102**	**-.00006**	**.00128**	**-.01616**	**-.00018**	**.53073**	**.00114**
Stddev	.00022	.00010	.00123	.00945	.00032	.00149	.00027
%RSD	21.145	183.99	96.471	58.484	174.76	.28132	23.233
#1	.00117	-.00013	.00215	-.02285	-.00041	.52968	.00096
#2	.00087	.00002	.00041	-.00948	.00004	.53179	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8548.4**	**109370.**	**9050.3**
Stddev	10.9	150.	16.9
%RSD	.12802	.13682	.18629
#1	8556.2	109470.	9062.2
#2	8540.7	109260.	9038.3

Sample Name: 280-48880-b-1-b Acquired: 11/9/2013 0:29:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.02374**	**.00075**	**.02992**	**.05765**	**.00005**	**-.00003**	**39.500**	**.00034**	**-.00018**
Stddev	.00011	.00089	.00145	.00067	.00061	.00006	.00562	.086	.00011	.00048
%RSD	45.093	3.7598	192.92	2.2270	1.0571	115.10	19752.	.21820	32.536	260.80
#1	.00016	.02437	-.00027	.02945	.05808	.00001	.00395	39.439	.00026	-.00052
#2	.00032	.02311	.00177	.03039	.05722	.00010	-.00400	39.561	.00042	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00148**	**.02453**	**2.9531**	**.01237**	**8.8555**	**.07629**	**.00851**	**25.575**	**.00095**
Stddev	.00001	.00015	.00158	.0634	.00027	.0227	.00028	.00002	.489	.00024
%RSD	1.9042	9.8152	6.4596	2.1478	2.1512	.25628	.36293	.21721	1.9124	24.817
#1	.00072	.00137	.02565	2.9082	.01218	8.8715	.07648	.00850	25.921	.00079
#2	.00074	.00158	.02341	2.9979	.01256	8.8394	.07609	.00852	25.229	.00112
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00830**	**.00026**	**18.857**	**-.00168**	**.00329**	**2.8879**	**6.1800**	**-.00045**	**.33003**	**-.00081**
Stddev	.00159	.00006	.001	.00092	.00199	.0199	.0425	.00081	.00096	.00121
%RSD	19.142	23.554	.00394	54.429	60.536	.68829	.68829	178.39	.28998	148.81
#1	.00718	.00022	18.857	-.00103	.00470	2.9019	6.2101	-.00103	.32935	-.00166
#2	.00942	.00031	18.858	-.00233	.00188	2.8738	6.1499	.00012	.33071	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**-.00029**	**.01595**	**.00002**	**.00574**	**.00206**
Stddev	.00039	.00073	.02020	.00054	.00068	.00025
%RSD	58.262	249.38	126.67	2453.7	11.905	11.965
#1	.00039	-.00081	.03024	.00040	.00622	.00223
#2	.00093	.00022	.00166	-.00036	.00525	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8413.0**	**108650.**	**9062.9**
Stddev	5.4	675.	66.4
%RSD	.06435	.62167	.73274
#1	8416.8	108170.	9109.9
#2	8409.1	109120.	9016.0

Sample Name: 280-48880-b-2-b Acquired: 11/9/2013 0:31:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00625**	**.00065**	**.21241**	**.04513**	**.00008**	**-.00143**	**83.510**	**.00051**	**.00006**
Stddev	.00068	.00007	.00073	.00017	.00007	.00004	.00165	.006	.00005	.00025
%RSD	310.45	1.0633	112.40	.07967	.14782	49.077	115.12	.00742	9.1585	445.48
#1	-.00070	.00630	.00013	.21253	.04508	.00005	-.00027	83.515	.00047	-.00012
#2	.00026	.00620	.00116	.21229	.04518	.00010	-.00260	83.506	.00054	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.01042**	**.04156**	**17.270**	**.03336**	**18.330**	**.02324**	**.00610**	**141.67**	**.00164**
Stddev	.00019	.00001	.00016	.029	.00176	.051	.00015	.00003	.46	.00006
%RSD	48.701	.12806	.39214	.16893	5.2870	.27693	.65199	.46602	.32185	3.6235
#1	.00051	.01043	.04168	17.249	.03212	18.294	.02334	.00608	141.35	.00168
#2	.00025	.01041	.04145	17.290	.03461	18.366	.02313	.00612	141.99	.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13174**	**.00026**	**55.181**	**.00062**	**.00350**	**2.1954**	**4.6981**	**.00049**	**.82203**	**.00013**
Stddev	.00263	.00033	.064	.00014	.00208	.0226	.0483	.00017	.00222	.00035
%RSD	1.9976	123.86	.11571	23.238	59.412	1.0286	1.0286	35.660	.27005	272.38
#1	.13360	.00003	55.136	.00072	.00203	2.2114	4.7323	.00036	.82046	.00038
#2	.12988	.00049	55.226	.00052	.00498	2.1794	4.6640	.00061	.82360	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00071**	**-.02901**	**.00014**	**.04595**	**.00098**
Stddev	.00005	.00028	.00874	.00006	.00029	.00140
%RSD	11.127	39.995	30.134	40.935	.63550	142.84
#1	.00043	-.00051	-.03520	.00018	.04575	.00197
#2	.00051	-.00091	-.02283	.00010	.04616	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8183.7**	**104610.**	**8996.4**
Stddev	29.5	361.	53.8
%RSD	.36055	.34557	.59785
#1	8162.9	104860.	8958.4
#2	8204.6	104350.	9034.4

Sample Name: 280-48880-b-3-b Acquired: 11/9/2013 0:34:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.01241**	**-.00252**	**.13886**	**.06489**	**.00017**	**.00138**	**70.400**	**.00069**	**.00026**
Stddev	.00028	.00026	.00082	.00010	.00095	.00001	.00204	.041	.00000	.00019
%RSD	175.16	2.1248	32.540	.07036	1.4586	8.4533	148.05	.05760	.02570	72.026
#1	.00036	.01222	-.00310	.13893	.06556	.00016	.00283	70.429	.00069	.00039
#2	-.00004	.01259	-.00194	.13879	.06422	.00018	-.00006	70.371	.00069	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00486**	**.03834**	**10.333**	**.02873**	**14.964**	**.10087**	**.00693**	**83.513**	**.00157**
Stddev	.00006	.00035	.00374	.006	.00064	.034	.00039	.00015	.369	.00012
%RSD	26.424	7.2114	9.7644	.05496	2.2419	.22524	.38704	2.1244	.44199	7.7471
#1	.00027	.00511	.04099	10.337	.02918	14.988	.10114	.00683	83.774	.00148
#2	.00018	.00461	.03569	10.329	.02827	14.940	.10059	.00704	83.252	.00165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15682**	**.00125**	**39.578**	**-.00062**	**-.00033**	**3.2033**	**6.8551**	**-.00013**	**.67299**	**-.00225**
Stddev	.00205	.00063	.004	.00058	.00138	.0517	.1106	.00062	.00145	.00057
%RSD	1.3062	50.945	.01031	93.577	416.90	1.6129	1.6129	475.80	.21545	25.108
#1	.15827	.00169	39.575	-.00103	-.00131	3.2398	6.9332	.00031	.67402	-.00265
#2	.15537	.00080	39.581	-.00021	.00065	3.1668	6.7769	-.00057	.67197	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00038**	**.02572**	**.00061**	**.02224**	**.00205**
Stddev	.00006	.00046	.01778	.00067	.00012	.00127
%RSD	23.036	119.09	69.144	110.02	.55430	61.978
#1	.00031	.00006	.03829	.00108	.02215	.00115
#2	.00022	.00070	.01314	.00013	.02232	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8246.0**	**106350.**	**9024.5**
Stddev	3.3	176.	5.1
%RSD	.04040	.16522	.05705
#1	8243.7	106470.	9020.8
#2	8248.4	106220.	9028.1

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:36:20 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**50.904**	**.00231**	**.00579**	**-.00012**	**.00006**	**1.0487**	**.03942**	**.00005**	**-.00084**	**-.00012**	**.00861**	**49.408**
Stddev	.00036	.062	.00145	.00012	.00029	.00005	.0017	.00266	.00026	.00009	.00002	.00006	.181
%RSD	9.1145	.12154	62.995	2.0022	254.55	85.724	.16192	6.7361	553.93	11.320	17.717	.74125	.36734
#1	.00368	50.948	.00334	.00587	-.00032	.00002	1.0499	.04129	.00023	-.00090	-.00014	.00866	49.279
#2	.00419	50.861	.00128	.00571	.00009	.00009	1.0475	.03754	-.00014	-.00077	-.00011	.00857	49.536
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11133**	**.00061**	**.08496**	**.00060**	**-.00039**	**263.40**	**-.00011**	**.00086**	**.00147**	**5.1849**	**.00092**	**-.00196**	**.01652**
Stddev	.01861	.00160	.00317	.00006	.00026	.62	.00036	.00060	.00028	.0072	.00027	.00240	.00798
%RSD	16.720	260.52	3.7355	10.247	68.239	.23471	338.06	70.532	19.141	.13830	29.186	122.71	48.307
#1	.09817	.00174	.08721	.00064	-.00020	262.96	.00015	.00128	.00167	5.1798	.00073	-.00366	.01088
#2	.12449	-.00052	.08272	.00055	-.00057	263.83	-.00036	.00043	.00127	5.1900	.00111	-.00026	.02216
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03535**	**-.00046**	**.00054**	**4.8703**	**-.00591**	**.00157**	**10.207**	**.00076**	**.00198**	**.02329**
Stddev	.01708	.00111	.00001	.0147	.00003	.00017	.027	.00052	.00075	.00229
%RSD	48.307	238.25	1.5940	.30180	.47384	10.677	.26388	68.414	38.053	9.8423
#1	.02328	-.00125	.00053	4.8599	-.00589	.00169	10.226	.00039	.00251	.02167
#2	.04743	.00032	.00055	4.8806	-.00593	.00145	10.188	.00113	.00145	.02491
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8279.2**	**104850.**	**8845.2**
Stddev	5.7	680.	4.9
%RSD	.06894	.64847	.05556
#1	8275.2	105330.	8848.6
#2	8283.2	104370.	8841.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 0:38:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51227**	**.52291**	**1.0342**	**.52457**	**.51673**	**.51049**	**.00432**	**5.1472**	**.52000**	**.51875**	**.51456**	**.52580**	**2.4595**
Stddev	.00135	.00119	.0034	.00046	.00029	.00019	.00038	.0585	.00001	.00000	.00042	.00123	.0102
%RSD	.26286	.22712	.33258	.08807	.05709	.03761	8.8256	1.1367	.00180	.00011	.08117	.23360	.41511
#1	.51132	.52375	1.0318	.52490	.51653	.51063	.00459	5.1058	.52000	.51874	.51486	.52493	2.4523
#2	.51322	.52207	1.0367	.52425	.51694	.51036	.00405	5.1886	.51999	.51875	.51427	.52667	2.4668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.695**	**1.0314**	**20.048**	**.50952**	**.52335**	F **5.5773**	**.52069**	**1.0383**	**1.0560**	**.03712**	**1.0569**	**1.0393**	**4.9990**
Stddev	.059	.0025	.038	.00003	.00240	.0865	.00115	.0016	.0030	.00039	.0005	.0000	.0074
%RSD	.11118	.24226	.19023	.00537	.45905	1.5503	.22118	.15541	.28463	1.0417	.04632	.00343	.14769
#1	52.654	1.0296	20.075	.50950	.52166	5.5162	.52150	1.0372	1.0539	.03739	1.0572	1.0394	5.0042
#2	52.737	1.0332	20.021	.50954	.52505	5.6384	.51987	1.0395	1.0582	.03684	1.0565	1.0393	4.9938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.698**	**1.0394**	**.51402**	**-.00420**	**.51336**	**1.0585**	**.02178**	**.51738**	**.50831**	**.51501**
Stddev	.016	.0028	.00098	.00033	.00000	.0036	.02467	.00149	.00024	.00174
%RSD	.14769	.26641	.18989	7.8353	.00075	.33576	113.23	.28893	.04666	.33792
#1	10.709	1.0414	.51333	-.00397	.51336	1.0560	.03923	.51632	.50814	.51624
#2	10.687	1.0374	.51471	-.00444	.51337	1.0610	.00434	.51843	.50847	.51378
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8481.3**	**108310.**	**9021.0**
Stddev	22.6	273.	89.4
%RSD	.26616	.25174	.99133
#1	8465.4	108120.	9084.2
#2	8497.3	108500.	8957.7

Sample Name: CCB Acquired: 11/9/2013 0:40:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.00235**	**-.00128**	**.00177**	**-.00009**	**.00009**	**.00391**	**.00892**	**.00021**	**-.00010**	**.00003**	**-.00004**	**.00530**
Stddev	.00031	.00011	.00292	.00053	.00014	.00001	.00077	.00151	.00018	.00006	.00002	.00043	.00190
%RSD	109.01	4.6118	227.77	30.139	156.30	10.749	19.834	16.896	83.575	58.709	58.512	1090.2	35.777
#1	-.00050	.00243	.00078	.00139	-.00019	.00010	.00445	.00785	.00009	-.00006	.00002	-.00035	.00664
#2	-.00006	.00227	-.00335	.00215	.00001	.00008	.00336	.00998	.00034	-.00015	.00004	.00027	.00396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07797**	**.00192**	**.00300**	**.00010**	**.00038**	**.08175**	**.00012**	**-.00063**	**.00061**	**.03156**	F **.00741**	**.00293**	**.00400**
Stddev	.05192	.00084	.00040	.00001	.00009	.00043	.00004	.00033	.00144	.00426	.00249	.00051	.01144
%RSD	66.595	43.883	13.411	6.8576	24.103	.52179	37.148	52.053	234.77	13.488	33.663	17.545	286.35
#1	.11469	.00252	.00329	.00010	.00045	.08206	.00009	-.00040	.00163	.03457	.00565	.00329	-.00410
#2	.04125	.00133	.00272	.00009	.00032	.08145	.00015	-.00086	-.00040	.02855	.00918	.00257	.01209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00855**	**.00035**	**.00007**	**.00008**	**.00034**	**.00039**	**.01825**	**-.00011**	**.00430**	**.00001**
Stddev	.02449	.00029	.00002	.00196	.00003	.00073	.01193	.00035	.00028	.00067
%RSD	286.35	84.464	28.278	2457.9	8.2945	189.55	65.401	317.91	6.5905	4751.9
#1	-.00877	.00055	.00006	.00147	.00032	-.00013	.02669	.00014	.00410	.00049
#2	.02587	.00014	.00009	-.00131	.00036	.00091	.00981	-.00036	.00450	-.00046
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8560.4**	**110560.**	**8868.1**
Stddev	17.1	345.	13.2
%RSD	.19924	.31194	.14898
#1	8548.4	110310.	8858.8
#2	8572.5	110800.	8877.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 0:43:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01047**	**.10821**	**.01503**	**.10180**	**.01016**	**.00113**	**.12811**	**.21981**	**.00568**	**.01072**	**.01074**	**.01656**	**.10429**	**3.1561**
Stddev	.00022	.00034	.00219	.00052	.00021	.00004	.00069	.00166	.00001	.00009	.00009	.00050	.00112	.0099
%RSD	2.1061	.31413	14.538	.51556	2.0792	3.1115	.53782	.75363	.19638	.81571	.79539	3.0247	1.0715	.31438
#1	.01063	.10797	.01349	.10143	.01001	.00111	.12859	.22098	.00568	.01078	.01080	.01691	.10350	3.1491
#2	.01032	.10845	.01658	.10217	.01031	.00116	.12762	.21864	.00567	.01066	.01068	.01621	.10508	3.1631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**.20930**	**.01041**	**.02084**	**1.1379**	**.04250**	**2.9771**	**.01052**	**.02792**	**.01237**	**.01769**	**.50421**	**1.0790**	**.10463**
Stddev	.00295	.00320	.00005	.00000	.0277	.00015	.0016	.00022	.00282	.00001	.00151	.01858	.0398	.00002
%RSD	23.190	1.5309	.45997	.01575	2.4316	.35838	.05267	2.0488	10.088	.05795	8.5521	3.6849	3.6849	.01454
#1	.01063	.21157	.01045	.02084	1.1574	.04239	2.9782	.01068	.02991	.01237	.01876	.49107	1.0509	.10464
#2	.01480	.20704	.01038	.02084	1.1183	.04261	2.9760	.01037	.02593	.01236	.01662	.51735	1.1071	.10462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01051**	**.01539**	**.01014**	**.01586**	**.06264**	**.00969**	**.02482**	**.01769**
Stddev	.00002	.00203	.00001	.00047	.03853	.00025	.00019	.00021
%RSD	.22566	13.175	.12331	2.9742	61.513	2.5646	.78272	1.2013
#1	.01049	.01683	.01013	.01553	.03539	.00987	.02468	.01784
#2	.01053	.01396	.01015	.01620	.08988	.00952	.02496	.01754
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8594.0**	**111080.**	**8984.1**
Stddev	27.4	315.	21.0
%RSD	.31918	.28318	.23386
#1	8574.6	110860.	8969.3
#2	8613.4	111310.	8999.0

Sample Name: mb 280-199566/1-a Acquired: 11/9/2013 0:45:30 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00355**	**.00263**	**.00157**	**-.00044**	**.00014**	**.00414**	**.01078**	**.00014**	**.00005**
Stddev	.00081	.00151	.00118	.00025	.00020	.00012	.00035	.00146	.00006	.00001
%RSD	4559.1	42.544	44.765	15.738	45.764	81.815	8.4381	13.575	42.375	27.428
#1	.00056	.00248	.00346	.00174	-.00059	.00022	.00389	.01182	.00010	.00006
#2	-.00059	.00462	.00180	.00140	-.00030	.00006	.00439	.00975	.00018	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00069**	**.00173**	**.02573**	**.00119**	**.00139**	**.00013**	**.00008**	**.05788**	**-.00004**
Stddev	.00004	.00015	.00037	.02133	.00072	.00003	.00003	.00013	.00927	.00031
%RSD	18.579	21.278	21.338	82.880	60.527	2.4546	24.698	153.65	16.023	680.39
#1	.00025	.00059	.00147	.04082	.00170	.00137	.00016	-.00001	.06444	-.00026
#2	.00019	.00080	.00200	.01065	.00068	.00142	.00011	.00018	.05132	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00037**	**.02872**	**.00027**	**.00041**	**.00423**	**.00905**	**-.00069**	**.00011**	**-.00060**
Stddev	.00146	.00134	.00054	.00146	.00062	.00386	.00827	.00054	.00003	.00063
%RSD	1150.6	366.88	1.8747	536.81	151.42	91.303	91.303	78.272	24.162	104.14
#1	.00116	-.00058	.02834	.00131	-.00003	.00696	.01490	-.00108	.00009	-.00105
#2	-.00090	.00132	.02910	-.00076	.00085	.00150	.00321	-.00031	.00013	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00035**	F **.08106**	**-.00031**	**.00311**	**.00197**
Stddev	.00001	.00044	.00378	.00052	.00001	.00165
%RSD	2.7821	127.49	4.6590	166.36	.16561	83.925
#1	.00022	.00066	.08373	.00005	.00311	.00313
#2	.00023	.00003	.07839	-.00067	.00311	.00080
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.06000			
Low Limit			-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8742.1**	**112890.**	**9165.9**
Stddev	10.7	374.	140.6
%RSD	.12223	.33088	1.5343
#1	8749.7	112630.	9265.3
#2	8734.6	113150.	9066.5

Sample Name: lcs 280-199566/2-a Acquired: 11/9/2013 0:47:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05009**	**1.9227**	**1.0298**	**1.0632**	**2.0453**	**.05018**	**2.3672**	**49.147**	**.10729**	**.49732**
Stddev	.00083	.0025	.0012	.0009	.0098	.00012	.0088	.119	.00024	.00001
%RSD	1.6490	.12958	.11938	.08484	.47730	.23598	.37012	.24233	.22106	.00259
#1	.05067	1.9209	1.0306	1.0626	2.0522	.05027	2.3734	49.232	.10745	.49733
#2	.04950	1.9244	1.0289	1.0638	2.0384	.05010	2.3610	49.063	.10712	.49731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20282**	**.26203**	**.95431**	**52.235**	**1.0153**	**49.401**	**.49673**	**1.0326**	**54.540**	**.50084**
Stddev	.00021	.00065	.00911	.215	.0068	.031	.00092	.0004	.040	.00082
%RSD	.10270	.24952	.95478	.41151	.66975	.06204	.18491	.03600	.07389	.16468
#1	.20297	.26157	.96075	52.387	1.0201	49.423	.49737	1.0329	54.568	.50142
#2	.20267	.26249	.94787	52.083	1.0105	49.380	.49608	1.0323	54.511	.50026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.494**	**.50014**	**.01299**	**.52468**	**2.1119**	**10.002**	**21.405**	**2.0437**	**1.0144**	**1.0112**
Stddev	.026	.00004	.00322	.00229	.0025	.047	.100	.0057	.0039	.0063
%RSD	.24418	.00798	24.810	.43599	.11856	.46905	.46905	.27849	.38393	.61825
#1	10.512	.50017	.01071	.52630	2.1137	9.9692	21.334	2.0396	1.0172	1.0156
#2	10.476	.50012	.01527	.52306	2.1102	10.036	21.476	2.0477	1.0117	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0219**	**1.9880**	**2.1508**	**.51280**	**.49260**	**.51764**
Stddev	.0012	.0012	.0112	.00063	.00084	.00272
%RSD	.11759	.05916	.52190	.12303	.17091	.52506
#1	1.0228	1.9872	2.1587	.51324	.49320	.51572
#2	1.0211	1.9888	2.1428	.51235	.49201	.51956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8420.6**	**107350.**	**9141.3**
Stddev	6.7	52.	22.9
%RSD	.08010	.04846	.24998
#1	8425.3	107320.	9125.1
#2	8415.8	107390.	9157.5

Sample Name: 280-48791-d-1-b Acquired: 11/9/2013 0:49:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.08589**	**.00137**	**1.4372**	**.04397**	**.00011**	**.00608**	**16.849**	**.00025**	**.00339**
Stddev	.00009	.00073	.00012	.0006	.00013	.00008	.00012	.012	.00002	.00018
%RSD	22.886	.85322	8.4774	.04462	.30443	70.959	1.9059	.07203	8.0017	5.2036
#1	-.00046	.08641	.00145	1.4367	.04407	.00005	.00616	16.857	.00024	.00327
#2	-.00033	.08538	.00129	1.4377	.04388	.00016	.00600	16.840	.00027	.00352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00327**	**.03830**	**5.2833**	**.05810**	**10.103**	**.68949**	**.00860**	W **758.20**	**.01191**
Stddev	.00001	.00007	.00020	.1449	.00268	.055	.00347	.00005	.32	.00014
%RSD	2.9235	2.2425	.53462	2.7425	4.6058	.54588	.50335	.61531	.04268	1.2115
#1	.00039	.00332	.03816	5.1809	.06000	10.064	.68704	.00856	758.43	.01181
#2	.00041	.00322	.03845	5.3858	.05621	10.142	.69194	.00864	757.97	.01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12284**	**.00084**	F **245.57**	**-.00126**	**-.00062**	**4.3702**	**9.3521**	**-.00050**	**1.2276**	**-.00289**
Stddev	.00227	.00141	.31	.00007	.00417	.0093	.0198	.00086	.0037	.00051
%RSD	1.8498	167.27	.12685	5.8379	674.74	.21192	.21192	171.47	.29825	17.683
#1	.12445	-.00015	245.35	-.00131	-.00356	4.3767	9.3661	-.00111	1.2250	-.00253
#2	.12124	.00184	245.79	-.00121	.00233	4.3636	9.3381	.00011	1.2302	-.00325
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00242**	**.02594**	**.00023**	**.00691**	**.00174**
Stddev	.00014	.00065	.01461	.00026	.00013	.00036
%RSD	19.978	26.972	56.310	112.45	1.8256	20.791
#1	.00082	.00288	.03627	.00041	.00700	.00200
#2	.00062	.00196	.01561	.00005	.00682	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7891.7**	**98072.**	**8761.3**
Stddev	6.3	655.	13.6
%RSD	.08019	.66745	.15472
#1	7896.1	98534.	8751.7
#2	7887.2	97609.	8770.9

Sample Name: 280-48791-d-1-bSD@5 Acquired: 11/9/2013 0:52:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.02885**	**.00002**	**.29181**	**.00861**	**.00013**	**.00189**	**3.3931**	**.00032**	**.00077**
Stddev	.00050	.00013	.00019	.00092	.00010	.00001	.00160	.0253	.00008	.00030
%RSD	655.61	.46324	851.22	.31682	1.1846	11.364	84.631	.74444	24.149	39.790
#1	.00027	.02895	-.00011	.29116	.00869	.00012	.00302	3.4110	.00026	.00098
#2	-.00043	.02876	.00016	.29247	.00854	.00014	.00076	3.3753	.00037	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00150**	**.02605**	**1.1178**	**.01404**	**2.0314**	**.13501**	**.00200**	**150.55**	**.00249**
Stddev	.00010	.00019	.00058	.0154	.00101	.0040	.00051	.00013	.35	.00021
%RSD	51.302	12.881	2.2158	1.3795	7.2068	.19629	.37994	6.4363	.23140	8.3424
#1	.00012	.00137	.02564	1.1288	.01476	2.0342	.13537	.00191	150.30	.00234
#2	.00026	.00164	.02646	1.1069	.01333	2.0286	.13465	.00209	150.79	.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02297**	**.00086**	**46.530**	**-.00101**	**.00243**	**.83970**	**1.7970**	**.00227**	**.24337**	**-.00159**
Stddev	.00064	.00088	.095	.00014	.00056	.01828	.0391	.00105	.00063	.00059
%RSD	2.8038	102.54	.20449	13.866	22.869	2.1771	2.1771	46.253	.25723	36.989
#1	.02252	.00148	46.463	-.00111	.00282	.85263	1.8246	.00301	.24293	-.00117
#2	.02343	.00024	46.597	-.00091	.00203	.82678	1.7693	.00153	.24381	-.00200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00086**	**.01958**	**-.00003**	**.00841**	**.00143**
Stddev	.00067	.00036	.02133	.00040	.00005	.00030
%RSD	1025.5	41.619	108.94	1275.0	.64367	21.186
#1	-.00041	.00112	.03466	-.00031	.00845	.00121
#2	.00054	.00061	.00450	.00025	.00838	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8226.7**	**104620.**	**8884.5**
Stddev	1.9	38.	18.2
%RSD	.02351	.03626	.20439
#1	8225.3	104590.	8897.3
#2	8228.0	104650.	8871.6

Sample Name: 280-48791-d-1-c ms Acquired: 11/9/2013 0:54:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05050**	**1.9384**	**1.0556**	**2.4082**	**2.0928**	**.05013**	F **2.2523**	**66.171**	**.10624**	**.49471**
Stddev	.00028	.0000	.0003	.0023	.0024	.00026	.0065	.184	.00015	.00036
%RSD	.56412	.00170	.02357	.09580	.11363	.50998	.29046	.27801	.13707	.07210
#1	.05030	1.9384	1.0554	2.4099	2.0911	.04995	2.2569	66.041	.10634	.49446
#2	.05071	1.9384	1.0558	2.4066	2.0945	.05031	2.2477	66.301	.10614	.49496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19961**	**.25828**	**1.0101**	**60.009**	**1.0899**	**58.607**	**1.1826**	**1.0310**	W **814.40**	**.50569**
Stddev	.00036	.00082	.0053	.148	.0004	.183	.0008	.0031	1.28	.00097
%RSD	.18155	.31560	.52506	.24615	.03503	.31174	.07126	.29991	.15769	.19226
#1	.19986	.25886	1.0064	59.904	1.0901	58.737	1.1832	1.0332	813.49	.50501
#2	.19935	.25771	1.0139	60.113	1.0896	58.478	1.1820	1.0288	815.31	.50638
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.987**	**.47642**	F **244.37**	**.51001**	**2.0796**	**14.494**	**31.017**	**1.9789**	**2.2562**	**1.0201**
Stddev	.020	.00038	.04	.00116	.0004	.011	.024	.0018	.0044	.0001
%RSD	.18203	.08047	.01443	.22723	.01674	.07598	.07598	.08896	.19665	.00613
#1	11.001	.47615	244.35	.51083	2.0798	14.486	31.001	1.9776	2.2531	1.0201
#2	10.973	.47669	244.40	.50919	2.0793	14.502	31.034	1.9801	2.2593	1.0202
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0288**	**1.7638**	**2.0730**	**.52394**	**.51828**	**.52467**
Stddev	.0011	.0039	.0162	.00065	.00143	.00171
%RSD	.10850	.22347	.78057	.12376	.27550	.32577
#1	1.0280	1.7666	2.0844	.52439	.51929	.52588
#2	1.0296	1.7610	2.0616	.52348	.51727	.52346
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.0**	**98239.**	**8808.8**
Stddev	18.7	364.	45.0
%RSD	.23733	.37085	.51079
#1	7864.7	97981.	8840.6
#2	7891.2	98496.	8777.0

Sample Name: 280-48791-d-1-d msd Acquired: 11/9/2013 0:56:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04980**	**1.8952**	**1.0354**	**2.3629**	**2.0454**	**.04907**	F **2.2110**	**64.365**	**.10445**	**.48474**
Stddev	.00049	.0016	.0076	.0031	.0027	.00012	.0074	.008	.00030	.00051
%RSD	.97884	.08587	.73058	.13240	.13359	.23585	.33599	.01298	.28388	.10471
#1	.05015	1.8940	1.0407	2.3651	2.0434	.04899	2.2163	64.371	.10466	.48438
#2	.04946	1.8964	1.0300	2.3607	2.0473	.04916	2.2058	64.359	.10424	.48510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19618**	**.25474**	**.95788**	**58.743**	**1.0630**	**57.292**	**1.1573**	**1.0144**	W **792.02**	**.49510**
Stddev	.00032	.00122	.00141	.150	.0015	.257	.0047	.0015	.56	.00133
%RSD	.16363	.47903	.14765	.25512	.13961	.44929	.40824	.14739	.07108	.26791
#1	.19641	.25561	.95888	58.637	1.0619	57.474	1.1606	1.0134	791.62	.49604
#2	.19595	.25388	.95688	58.849	1.0640	57.110	1.1539	1.0155	792.42	.49416
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.765**	**.46795**	F **238.56**	**.50052**	**2.0458**	**14.118**	**30.212**	**1.9509**	**2.1968**	**1.0012**
Stddev	.025	.00108	.62	.00241	.0004	.030	.064	.0010	.0013	.0049
%RSD	.23619	.23169	.26027	.48216	.02148	.21094	.21094	.04930	.06036	.48497
#1	10.782	.46719	239.00	.50222	2.0455	14.097	30.167	1.9502	2.1959	1.0047
#2	10.747	.46872	238.12	.49881	2.0461	14.139	30.257	1.9515	2.1977	.99781
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0144**	**1.7314**	**2.0231**	**.51356**	**.50609**	**.51296**
Stddev	.0042	.0010	.0101	.00176	.00247	.00379
%RSD	.41782	.05562	.49663	.34328	.48848	.73862
#1	1.0174	1.7321	2.0160	.51481	.50784	.51028
#2	1.0114	1.7308	2.0302	.51232	.50435	.51564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7889.0**	**99074.**	**8917.6**
Stddev	34.5	345.	10.1
%RSD	.43688	.34789	.11320
#1	7913.4	98831.	8924.7
#2	7864.6	99318.	8910.4

Sample Name: CCVH-2357613 Acquired: 11/9/2013 0:59:06 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00411**	**50.669**	**.00297**	**.01269**	**.00019**	**.00005**	**1.0474**	**.01571**	**.00007**	**-.00050**	**-.00005**	**.00913**
Stddev	.00041	.363	.00380	.00182	.00000	.00008	.0001	.00281	.00011	.00058	.00002	.00061
%RSD	9.9010	.71666	127.77	14.376	1.0251	157.91	.01364	17.893	160.28	114.65	30.728	6.6546
#1	.00383	50.413	.00566	.01398	.00019	.00011	1.0475	.01770	.00015	-.00009	-.00004	.00956
#2	.00440	50.926	.00029	.01140	.00019	-.00001	1.0473	.01372	-.00001	-.00091	-.00006	.00870
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.684**	**.33166**	**.00054**	**.08490**	**.00056**	**.00103**	**262.29**	**-.00025**	**.00717**	**.00169**	W **5.3371**	**.00143**
Stddev	.443	.06133	.00308	.00586	.00007	.00070	.99	.00005	.00739	.00016	.1692	.00197
%RSD	.89194	18.492	571.30	6.8976	13.051	68.168	.37669	21.811	102.94	9.4718	3.1706	137.60
#1	49.371	.37503	.00271	.08076	.00062	.00152	261.59	-.00021	.01240	.00158	5.4568	.00004
#2	49.998	.28829	-.00164	.08904	.00051	.00053	262.99	-.00028	.00195	.00181	5.2175	.00282
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**.02388**	**.05111**	**.00165**	**.00097**	**4.8398**	**-.00527**	**.00304**	**10.139**	**.00087**	**.00222**	**.02333**
Stddev	.00205	.00697	.01491	.00075	.00015	.0046	.00025	.00130	.006	.00036	.00010	.00154
%RSD	144.88	29.171	29.171	45.083	15.180	.09403	4.7828	42.747	.06018	41.462	4.5754	6.6100
#1	-.00286	.02881	.06165	.00218	.00107	4.8366	-.00510	.00395	10.143	.00061	.00229	.02224
#2	.00003	.01896	.04057	.00113	.00086	4.8431	-.00545	.00212	10.134	.00112	.00215	.02443
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8246.8**	**103950.**	**8825.4**
Stddev	19.0	15.	131.4
%RSD	.23039	.01489	1.4886
#1	8260.2	103940.	8918.3
#2	8233.4	103970.	8732.5

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:01:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50755**	**.51845**	**1.0343**	**.52795**	**.51515**	**.50839**	**.00365**	**5.1142**	**.51926**	**.51663**	**.51399**	**.51954**	**2.4470**
Stddev	.00458	.00019	.0046	.00117	.00116	.00271	.00067	.0276	.00127	.00061	.00015	.00461	.0021
%RSD	.90290	.03753	.44922	.22124	.22598	.53211	18.282	.53860	.24484	.11721	.02854	.88823	.08573
#1	.50431	.51859	1.0310	.52712	.51597	.51030	.00318	5.1337	.51837	.51620	.51409	.51628	2.4485
#2	.51079	.51831	1.0375	.52877	.51432	.50648	.00412	5.0947	.52016	.51706	.51388	.52280	2.4455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.707**	**1.0276**	**19.958**	**.50647**	**.52404**	F **5.6805**	**.51905**	**1.0388**	**1.0539**	**.05778**	**1.0598**	**1.0430**	**5.0395**
Stddev	.202	.0002	.237	.00447	.00273	.0275	.00017	.0089	.0091	.00046	.0013	.0015	.0059
%RSD	.38332	.02109	1.1850	.88177	.52040	.48481	.03346	.85619	.85965	.80079	.11965	.14133	.11796
#1	52.850	1.0275	19.791	.50331	.52212	5.7000	.51918	1.0325	1.0475	.05745	1.0607	1.0440	5.0353
#2	52.564	1.0278	20.126	.50963	.52597	5.6611	.51893	1.0451	1.0603	.05810	1.0589	1.0419	5.0437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.784**	**1.0423**	**.51241**	**-.00421**	**.50995**	**1.0555**	**.02198**	**.51378**	**.50618**	**.51206**
Stddev	.013	.0022	.00222	.00186	.00419	.0000	.02657	.00349	.00513	.00195
%RSD	.11796	.21503	.43404	44.095	.82180	.00163	120.90	.67973	1.0139	.38031
#1	10.776	1.0439	.51399	-.00552	.50698	1.0555	.04076	.51131	.50255	.51344
#2	10.793	1.0407	.51084	-.00290	.51291	1.0555	.00319	.51625	.50981	.51068
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8447.6**	**107330.**	**8907.7**
Stddev	39.6	198.	44.3
%RSD	.46864	.18456	.49757
#1	8419.7	107470.	8939.0
#2	8475.6	107190.	8876.3

Sample Name: CCB Acquired: 11/9/2013 1:03:36 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00173**	**.00184**	**.00399**	**.00007**	**.00029**	**.00212**	**.00136**	**.00003**	**-.00001**	**.00022**	**.00028**
Stddev	.00007	.00032	.00109	.00027	.00006	.00000	.00058	.00386	.00006	.00018	.00010	.00027
%RSD	13.063	18.293	58.980	6.6594	81.852	1.3219	27.154	283.29	225.46	1298.2	43.202	99.130
#1	.00048	.00196	.00261	.00380	.00011	.00029	.00253	.00410	.00007	.00012	.00029	.00008
#2	.00058	.00151	.00107	.00418	.00003	.00029	.00172	-.00137	-.00002	-.00014	.00015	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00501**	**.15762**	**.00233**	**.00321**	**.00008**	**.00057**	F **.21803**	**-.00035**	**.00051**	**.00135**	**.03895**	W **.00565**
Stddev	.00142	.01743	.00078	.00174	.00000	.00028	.02906	.00041	.00007	.00026	.00383	.00083
%RSD	28.267	11.056	33.626	54.249	.11906	49.925	13.327	116.93	14.282	19.170	9.8265	14.657
#1	.00602	.16994	.00288	.00444	.00008	.00077	.23858	-.00006	.00046	.00116	.04166	.00506
#2	.00401	.14529	.00178	.00198	.00008	.00037	.19749	-.00064	.00056	.00153	.03625	.00623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**.01275**	**.02728**	**-.00054**	**.00011**	**-.00126**	**.00010**	**.00107**	**.02880**	**-.00045**	**.00400**	**.00104**
Stddev	.00123	.01347	.02883	.00054	.00008	.00016	.00001	.00075	.00464	.00010	.00038	.00011
%RSD	48.088	105.69	105.69	98.904	70.346	12.420	13.271	69.718	16.098	21.126	9.3793	10.432
#1	.00344	.00322	.00689	-.00092	.00017	-.00115	.00011	.00054	.03208	-.00052	.00373	.00111
#2	.00169	.02228	.04767	-.00016	.00006	-.00138	.00009	.00160	.02552	-.00038	.00426	.00096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8564.5**	**110730.**	**8895.2**
Stddev	5.5	102.	83.6
%RSD	.06373	.09170	.93999
#1	8560.7	110660.	8836.1
#2	8568.4	110800.	8954.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:05:54 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01031**	**.11080**	**.01578**	**.10420**	**.01040**	**.00113**	F **.13064**	**.23074**	**.00565**	**.01081**	**.01076**	**.01615**	**.11339**
Stddev	.00019	.00032	.00089	.00006	.00020	.00006	.00074	.00012	.00008	.00018	.00007	.00018	.00122
%RSD	1.8629	.29011	5.6097	.05404	1.9266	5.1598	.56940	.05289	1.3800	1.6275	.64704	1.1111	1.0717
#1	.01017	.11058	.01516	.10424	.01026	.00109	.13117	.23083	.00571	.01069	.01071	.01628	.11253
#2	.01044	.11103	.01641	.10416	.01054	.00117	.13012	.23065	.00560	.01094	.01081	.01603	.11425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2814**	**.01236**	**.21010**	**.01056**	**.02082**	**1.2685**	**.04312**	**3.0127**	**.01036**	**.04220**	**.01036**	**.01790**	**.49909**
Stddev	.0171	.00021	.00184	.00009	.00013	.0030	.00058	.0029	.00057	.00010	.00046	.00030	.01848
%RSD	.52180	1.6744	.87811	.87258	.63587	.23907	1.3368	.09656	5.4522	.24489	4.3993	1.6540	3.7029
#1	3.2693	.01251	.20880	.01062	.02073	1.2663	.04271	3.0148	.01076	.04228	.01004	.01769	.48603
#2	3.2935	.01222	.21141	.01049	.02092	1.2706	.04352	3.0107	.00996	.04213	.01068	.01811	.51216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0681**	**.10636**	**.01059**	**.01620**	**.01049**	**.01620**	**.06535**	**.00960**	F **.02809**	**.01643**
Stddev	.0396	.00083	.00016	.00070	.00008	.00038	.02883	.00035	.00025	.00174
%RSD	3.7029	.77630	1.5032	4.3025	.76976	2.3717	44.119	3.6012	.89924	10.612
#1	1.0401	.10578	.01048	.01570	.01055	.01593	.08573	.00935	.02826	.01520
#2	1.0960	.10695	.01071	.01669	.01043	.01648	.04496	.00984	.02791	.01766
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8599.8**	**111300.**	**9007.4**
Stddev	7.2	15.	9.9
%RSD	.08384	.01340	.10986
#1	8604.9	111310.	9014.4
#2	8594.7	111290.	9000.4

Sample Name: 280-48791-d-2-b Acquired: 11/9/2013 1:08:13 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00485**	**.00373**	**1.2295**	**.06939**	**.00011**	**.00055**	**139.07**	**.00110**	**.00862**
Stddev	.00004	.00020	.00281	.0032	.00063	.00007	.00231	.24	.00005	.00012
%RSD	27.450	4.0688	75.377	.25830	.90996	63.212	416.38	.17552	4.4832	1.3732
#1	-.00019	.00499	.00571	1.2272	.06983	.00016	-.00108	138.90	.00114	.00853
#2	-.00013	.00471	.00174	1.2317	.06894	.00006	.00219	139.24	.00107	.00870
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00209**	**6.2863**	**8.0394**	**.03717**	**94.831**	**1.1036**	**.00262**	**250.16**	**.02088**
Stddev	.00009	.00002	.0267	.0104	.00194	.432	.0038	.00013	.38	.00020
%RSD	5.6351	1.0930	.42390	.12882	5.2198	.45587	.34146	5.0780	.15007	.94126
#1	.00147	.00208	6.2675	8.0320	.03580	94.525	1.1009	.00253	250.43	.02102
#2	.00160	.00211	6.3051	8.0467	.03855	95.136	1.1062	.00272	249.90	.02074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12064**	**.00008**	**92.419**	**.00061**	**.00023**	**10.214**	**21.857**	**-.00096**	W **5.7205**	**-.00142**
Stddev	.00234	.00045	.045	.00059	.00295	.019	.040	.00010	.0216	.00096
%RSD	1.9369	545.23	.04818	96.662	1301.7	.18259	.18259	10.610	.37781	67.901
#1	.11898	-.00023	92.451	.00103	-.00186	10.227	21.886	-.00089	5.7358	-.00074
#2	.12229	.00040	92.388	.00019	.00232	10.201	21.829	-.00104	5.7052	-.00210
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00173**	**-.01129**	**.00038**	**.00447**	**.00378**
Stddev	.00013	.00082	.02115	.00105	.00016	.00002
%RSD	41.634	47.084	187.24	272.18	3.5710	.54676
#1	.00022	.00231	-.02625	.00112	.00436	.00379
#2	.00041	.00116	.00366	-.00036	.00458	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8014.3**	**102560.**	**9002.6**
Stddev	4.8	410.	16.0
%RSD	.05979	.40005	.17776
#1	8017.7	102850.	8991.3
#2	8010.9	102270.	9013.9

Sample Name: 280-48791-d-3-b Acquired: 11/9/2013 1:10:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00716**	**-.00229**	**.21033**	**.14162**	**.00010**	**.00393**	**150.64**	**.00091**	**-.00008**
Stddev	.00035	.00027	.00208	.00028	.00044	.00002	.00171	.25	.00005	.00001
%RSD	66.003	3.8394	90.766	.13182	.30888	20.420	43.517	.16442	5.5303	17.401
#1	-.00028	.00735	-.00082	.21052	.14193	.00011	.00272	150.82	.00095	-.00009
#2	-.00077	.00696	-.00376	.21013	.14131	.00009	.00513	150.47	.00087	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00175**	**.13096**	**4.4578**	**.04448**	**50.013**	**.00809**	**.00350**	**109.10**	**.00403**
Stddev	.00010	.00020	.00433	.0187	.00259	.031	.00005	.00004	.57	.00019
%RSD	27.235	11.261	3.3038	.42003	5.8229	.06162	.59361	1.2099	.52036	4.6794
#1	.00029	.00189	.12790	4.4710	.04631	50.035	.00812	.00347	109.51	.00416
#2	.00042	.00161	.13402	4.4446	.04265	49.991	.00805	.00353	108.70	.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01919**	**.00106**	**24.725**	**-.00107**	**.00038**	**10.711**	**22.921**	**-.00072**	**1.8403**	**-.00237**
Stddev	.00028	.00002	.056	.00107	.00576	.022	.047	.00005	.0076	.00088
%RSD	1.4356	1.7869	.22675	99.904	1523.0	.20461	.20461	7.1475	.41152	37.157
#1	.01939	.00107	24.685	-.00031	-.00369	10.695	22.888	-.00076	1.8457	-.00299
#2	.01900	.00105	24.764	-.00182	.00445	10.726	22.954	-.00069	1.8350	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.00168**	**-.00575**	**-.00037**	**.00419**	**-.00009**
Stddev	.00041	.00160	.01886	.00011	.00054	.00212
%RSD	122.61	95.553	327.93	30.889	12.960	2475.5
#1	.00062	.00281	.00759	-.00029	.00381	.00141
#2	.00004	.00054	-.01909	-.00045	.00458	-.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8227.4**	**104880.**	**9127.2**
Stddev	13.5	62.	18.7
%RSD	.16378	.05898	.20504
#1	8237.0	104840.	9140.4
#2	8217.9	104920.	9114.0

Sample Name: 280-48791-d-4-b Acquired: 11/9/2013 1:13:01 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.30389**	**.00423**	**2.7636**	**.22649**	**.00011**	**-.00006**	**8.9809**	**.00025**	**.00380**
Stddev	.00020	.00191	.00041	.0072	.00104	.00006	.00144	.0283	.00018	.00015
%RSD	303.74	.62945	9.7597	.26133	.45827	55.368	2465.0	.31516	70.668	4.0476
#1	-.00021	.30524	.00453	2.7585	.22576	.00016	-.00108	8.9609	.00037	.00391
#2	.00008	.30254	.00394	2.7687	.22722	.00007	.00096	9.0009	.00012	.00369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00326**	**.55358**	**5.4785**	**.03491**	**3.7024**	**.12516**	**.02600**	W **911.97**	**.01670**
Stddev	.00002	.00016	.00660	.1240	.00068	.0112	.00024	.00007	5.13	.00003
%RSD	1.9578	4.9357	1.1925	2.2637	1.9586	.30185	.18897	.25373	.56253	.18703
#1	.00125	.00338	.54891	5.3908	.03443	3.6945	.12499	.02604	908.34	.01672
#2	.00129	.00315	.55824	5.5661	.03540	3.7103	.12532	.02595	915.59	.01668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51181**	**.00053**	**35.295**	**-.00126**	**.00243**	**7.7865**	**16.663**	**-.00080**	**.65321**	**-.00402**
Stddev	.00127	.00102	.017	.00185	.00440	.0621	.133	.00040	.00303	.00090
%RSD	.24883	193.62	.04709	147.10	181.12	.79731	.79731	49.959	.46379	22.299
#1	.51091	-.00019	35.283	-.00257	-.00068	7.7426	16.569	-.00052	.65107	-.00466
#2	.51271	.00124	35.307	.00005	.00554	7.8304	16.757	-.00108	.65535	-.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00693**	**.00172**	**.05057**	**.00114**	**.01024**	**.00323**
Stddev	.00016	.00023	.03100	.00050	.00008	.00290
%RSD	2.2905	13.334	61.296	43.942	.76611	89.757
#1	.00682	.00156	.07249	.00150	.01030	.00118
#2	.00704	.00189	.02865	.00079	.01019	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7912.6**	**98986.**	**9029.5**
Stddev	6.8	13.	36.0
%RSD	.08534	.01294	.39851
#1	7917.4	98977.	9004.0
#2	7907.8	98995.	9054.9

Sample Name: 280-48791-d-5-b Acquired: 11/9/2013 1:15:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.01429**	**.00172**	**1.4814**	**.16445**	**.00022**	**.00332**	**212.78**	**.00222**	**.00729**
Stddev	.00043	.00044	.00409	.0001	.00025	.00004	.00098	1.57	.00018	.00022
%RSD	87.617	3.0756	238.51	.00735	.15383	20.261	29.404	.73911	7.9715	3.0667
#1	-.00080	.01460	-.00118	1.4815	.16463	.00025	.00263	211.67	.00234	.00713
#2	-.00019	.01398	.00461	1.4813	.16428	.00019	.00401	213.89	.00209	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00532**	**.80011**	**9.6237**	**.02731**	**41.824**	**1.9332**	**.04516**	**71.407**	**.04904**
Stddev	.00021	.00030	.00540	.0114	.00041	.023	.0006	.00026	.054	.00028
%RSD	53.321	5.6847	.67525	.11865	1.4968	.05613	.03186	.57622	.07538	.56764
#1	.00025	.00511	.79629	9.6318	.02760	41.841	1.9336	.04498	71.445	.04884
#2	.00054	.00554	.80393	9.6156	.02702	41.808	1.9327	.04534	71.369	.04924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10162**	**.00228**	**90.968**	**-.00017**	**-.00159**	**7.7367**	**16.557**	**-.00012**	**1.7503**	**-.00095**
Stddev	.00002	.00162	.053	.00345	.00214	.0170	.036	.00068	.0012	.00100
%RSD	.01914	71.074	.05790	1999.0	134.32	.21979	.21979	592.62	.07080	104.84
#1	.10164	.00343	90.930	-.00261	-.00311	7.7247	16.531	.00037	1.7512	-.00025
#2	.10161	.00114	91.005	.00226	-.00008	7.7487	16.582	-.00060	1.7494	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00170**	**.00409**	**.00038**	**.02285**	**.00105**
Stddev	.00013	.00195	.02662	.00055	.00004	.00122
%RSD	40.004	114.91	650.74	146.30	.15975	115.89
#1	.00041	.00032	.02291	.00077	.02282	.00019
#2	.00023	.00308	-.01473	-.00001	.02287	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8062.4**	**103530.**	**9045.9**
Stddev	6.1	110.	1.8
%RSD	.07542	.10582	.01975
#1	8066.7	103450.	9047.1
#2	8058.1	103610.	9044.6

Sample Name: 280-48784-g-1-b Acquired: 11/9/2013 1:17:50 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.38877**	**.02233**	**4.9165**	**2.0709**	**.00006**	**-.00861**	**227.44**	**.00163**	**.00743**
Stddev	.00074	.00036	.00059	.0015	.0041	.00000	.00155	2.00	.00025	.00005
%RSD	171.91	.09205	2.6527	.02986	.19882	4.0733	17.936	.87733	15.632	.70803
#1	.00009	.38903	.02191	4.9176	2.0680	.00006	-.00971	226.02	.00145	.00747
#2	-.00096	.38852	.02275	4.9155	2.0738	.00007	-.00752	228.85	.00181	.00740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01307**	**.00925**	**20.287**	W **210.43**	**.13526**	**269.97**	**.47167**	**.00340**	W **964.25**	**.11223**
Stddev	.00009	.00038	.018	.61	.00141	.59	.00154	.00005	2.47	.00006
%RSD	.72119	4.1547	.08672	.28815	1.0391	.22028	.32639	1.4859	.25631	.05340
#1	.01314	.00952	20.300	210.01	.13427	270.39	.47059	.00344	962.50	.11218
#2	.01300	.00898	20.275	210.86	.13626	269.55	.47276	.00337	966.00	.11227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9425**	**.00141**	**13.674**	**.00397**	**.00127**	**11.782**	**25.213**	**.00259**	W **5.8788**	**-.00358**
Stddev	.0027	.00198	.151	.00131	.00310	.031	.066	.00086	.0064	.00010
%RSD	.09203	140.01	1.1019	33.006	244.24	.26068	.26068	33.365	.10950	2.8824
#1	2.9444	.00281	13.781	.00489	-.00092	11.760	25.166	.00320	5.8742	-.00351
#2	2.9406	.00001	13.568	.00304	.00346	11.803	25.259	.00198	5.8833	-.00365
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02219**	**.00149**	**.04130**	**.02534**	**.19426**	**.02910**
Stddev	.00009	.00019	.04174	.00048	.00214	.00020
%RSD	.38773	12.696	101.08	1.9041	1.0994	.68260
#1	.02225	.00162	.01178	.02500	.19577	.02924
#2	.02213	.00136	.07082	.02568	.19275	.02896
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7494.0**	**94715.**	**8942.6**
Stddev	14.6	24.	3.5
%RSD	.19533	.02543	.03917
#1	7504.3	94698.	8945.1
#2	7483.6	94732.	8940.1

Sample Name: 280-48798-j-1-a Acquired: 11/9/2013 1:20:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.08254**	**.00211**	**2.2474**	**.03172**	**.00015**	F **.20885**	**58.519**	**-.00013**	**.00370**
Stddev	.00017	.00054	.00065	.0021	.00025	.00008	.00129	.142	.00005	.00015
%RSD	16.309	.65407	30.612	.09534	.80044	54.925	.61857	.24198	41.651	3.9840
#1	-.00092	.08292	.00165	2.2459	.03154	.00021	.20977	58.419	-.00017	.00380
#2	-.00115	.08216	.00256	2.2490	.03190	.00009	.20794	58.619	-.00009	.00359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32429**	**.13857**	**72.581**	F **694.04**	**.01214**	**4.7240**	**.34318**	**.01364**	W **1197.4**	**.13987**
Stddev	.00095	.00061	.908	.73	.00011	.0263	.00068	.00010	2.6	.00074
%RSD	.29422	.44206	1.2513	.10537	.93807	.55707	.19892	.71465	.21358	.52961
#1	.32497	.13813	71.939	693.53	.01222	4.7053	.34270	.01358	1195.6	.14040
#2	.32362	.13900	73.223	694.56	.01206	4.7426	.34366	.01371	1199.2	.13935
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.282**	**.00370**	W **189.38**	**.00065**	**.00094**	**5.7205**	**12.242**	W **17.982**	**.17769**	**-.00024**
Stddev	.007	.00056	.12	.00068	.00200	.0156	.033	.008	.00028	.00063
%RSD	.05763	15.144	.06081	104.32	212.50	.27247	.27247	.04369	.15590	268.68
#1	12.277	.00409	189.47	.00017	-.00047	5.7095	12.218	17.977	.17750	-.00068
#2	12.287	.00330	189.30	.00113	.00235	5.7315	12.266	17.988	.17789	.00021
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02231**	**.00053**	**.00111**	**.00290**	**.15153**	**.00111**
Stddev	.00058	.00065	.03627	.00059	.00096	.00057
%RSD	2.6199	122.34	3264.1	20.223	.63280	50.957
#1	.02272	.00007	.02676	.00331	.15085	.00151
#2	.02190	.00099	-.02454	.00248	.15220	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7663.8**	**94653.**	**8733.1**
Stddev	11.8	178.	45.0
%RSD	.15349	.18792	.51571
#1	7655.5	94779.	8765.0
#2	7672.1	94527.	8701.3

Sample Name: CCVH-2357613 Acquired: 11/9/2013 1:23:21 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**50.083**	**.00352**	**.01504**	**.00010**	**.00008**	**1.0422**	**.02000**	**.00002**	**-.00065**	**-.00010**	**.00888**	**48.645**
Stddev	.00029	.049	.00215	.00039	.00026	.00011	.0014	.00203	.00014	.00001	.00005	.00057	.476
%RSD	7.7547	.09799	61.016	2.5967	266.95	138.13	.13773	10.160	911.21	1.2686	53.811	6.4039	.97907
#1	.00350	50.117	.00200	.01532	-.00009	.00000	1.0411	.02144	.00012	-.00065	-.00006	.00929	48.308
#2	.00391	50.048	.00505	.01476	.00028	.00016	1.0432	.01856	-.00008	-.00064	-.00013	.00848	48.982
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.93836**	**.00237**	**.08449**	**.00046**	**-.00039**	**261.61**	**-.00001**	**.00495**	**.00135**	**5.1902**	**-.00181**	**-.00022**	**.01765**
Stddev	.10462	.00186	.00455	.00001	.00028	.30	.00025	.00006	.00001	.0019	.00255	.00162	.00832
%RSD	11.149	78.557	5.3832	2.4586	72.728	.11348	2232.6	1.2717	.84439	.03707	140.62	741.06	47.143
#1	1.0123	.00368	.08771	.00047	-.00059	261.82	.00016	.00499	.00135	5.1915	-.00001	-.00136	.01177
#2	.86438	.00105	.08128	.00046	-.00019	261.40	-.00019	.00490	.00136	5.1888	-.00361	.00093	.02354
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03778**	**.00158**	**.00057**	**4.8171**	**-.00573**	**.00087**	**10.064**	**.00017**	**.00253**	**.02454**
Stddev	.01781	.00019	.00002	.0006	.00044	.00111	.016	.00003	.00014	.00024
%RSD	47.143	11.984	3.5903	.01179	7.7298	128.68	.16214	17.707	5.5414	.99710
#1	.02518	.00171	.00055	4.8175	-.00604	.00165	10.075	.00019	.00263	.02471
#2	.05037	.00144	.00058	4.8167	-.00542	.00008	10.052	.00015	.00243	.02436
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8368.4**	**106350.**	**9024.5**
Stddev	8.6	218.	34.2
%RSD	.10290	.20495	.37876
#1	8374.5	106500.	9048.7
#2	8362.3	106200.	9000.3

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:25:43 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50335**	**.51124**	**1.0193**	**.52328**	**.51149**	**.50356**	**.00296**	**5.0498**	**.51346**	**.51025**	**.50666**	**.51596**	**2.4230**
Stddev	.00064	.00056	.0012	.00067	.00104	.00140	.00071	.0066	.00112	.00110	.00059	.00207	.0050
%RSD	.12787	.10876	.11629	.12831	.20358	.27891	24.131	.13102	.21743	.21651	.11578	.40039	.20725
#1	.50381	.51085	1.0201	.52281	.51075	.50455	.00346	5.0545	.51267	.50947	.50624	.51742	2.4194
#2	.50290	.51163	1.0184	.52376	.51222	.50257	.00245	5.0451	.51425	.51103	.50707	.51450	2.4265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.427**	**1.0197**	**19.660**	**.50063**	**.51827**	F **5.7461**	**.51222**	**1.0298**	**1.0441**	**.05164**	**1.0456**	**1.0277**	**4.9513**
Stddev	.152	.0010	.008	.00025	.00164	.0496	.00043	.0019	.0027	.00257	.0006	.0016	.0231
%RSD	.29039	.10112	.04246	.05079	.31601	.86340	.08482	.18478	.25347	4.9791	.05229	.15964	.46580
#1	52.535	1.0190	19.666	.50081	.51943	5.7812	.51191	1.0311	1.0460	.05345	1.0460	1.0289	4.9350
#2	52.320	1.0204	19.654	.50045	.51711	5.7110	.51253	1.0284	1.0422	.04982	1.0452	1.0266	4.9677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.596**	**1.0254**	**.50800**	**-.00338**	**.50583**	**1.0401**	**.03746**	**.51008**	**.49868**	**.51159**
Stddev	.049	.0022	.00016	.00049	.00124	.0004	.00028	.00001	.00205	.00091
%RSD	.46580	.21908	.03165	14.449	.24611	.03802	.74322	.00232	.41074	.17857
#1	10.561	1.0269	.50811	-.00303	.50671	1.0398	.03727	.51007	.49724	.51095
#2	10.631	1.0238	.50788	-.00372	.50495	1.0404	.03766	.51008	.50013	.51224
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8607.2**	**109680.**	**9088.6**
Stddev	31.8	365.	12.0
%RSD	.36949	.33255	.13214
#1	8629.7	109420.	9080.1
#2	8584.7	109940.	9097.1

Sample Name: CCB Acquired: 11/9/2013 1:27:52 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00429**	**.00111**	W **.00692**	**-.00017**	**.00023**	**.00332**	**.00856**	**.00026**	**-.00005**	**.00020**	**.00003**
Stddev	.00005	.00292	.00163	.00073	.00017	.00000	.00017	.00233	.00004	.00021	.00027	.00029
%RSD	10.786	68.014	147.47	10.563	96.969	1.1618	5.0639	27.222	14.357	429.18	135.38	856.44
#1	.00040	.00636	.00226	.00743	-.00029	.00023	.00344	.01021	.00029	-.00020	.00039	.00024
#2	.00046	.00223	-.00005	.00640	-.00005	.00023	.00320	.00691	.00023	.00010	.00001	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00754**	F **.31787**	**.00014**	**.00484**	**.00011**	**.00033**	F **.30603**	**-.00004**	**.00323**	**.00179**	**.05017**	W **.00622**
Stddev	.00016	.00950	.00109	.00053	.00001	.00002	.01519	.00031	.00193	.00074	.00951	.00180
%RSD	2.1433	2.9902	793.63	10.852	12.860	6.7130	4.9636	824.46	59.925	41.204	18.957	29.039
#1	.00743	.32459	.00090	.00447	.00012	.00034	.31678	.00018	.00459	.00127	.05690	.00494
#2	.00766	.31115	-.00063	.00522	.00010	.00031	.29529	-.00026	.00186	.00231	.04345	.00749
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit		.25000					.18320					.00314
Low Limit		-.25000					-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**.01516**	**.03244**	**.00135**	**.00026**	**.00232**	**.00034**	**.00037**	**.00608**	**-.00066**	**.00383**	W **.00379**
Stddev	.00346	.01469	.03144	.00034	.00005	.00063	.00008	.00055	.00374	.00005	.00043	.00018
%RSD	147.07	96.927	96.927	25.281	19.188	27.142	22.005	149.13	61.519	8.2606	11.321	4.6533
#1	.00480	.02555	.05467	.00159	.00030	.00277	.00029	-.00002	.00344	-.00063	.00352	.00367
#2	-.00009	.00477	.01021	.00111	.00023	.00188	.00040	.00076	.00873	-.00070	.00413	.00392
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8640.1**	**112020.**	**9107.0**
Stddev	14.6	402.	72.9
%RSD	.16847	.35904	.80059
#1	8650.4	111730.	9158.6
#2	8629.8	112300.	9055.4

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:30:11 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01034**	**.10908**	**.01630**	**.10665**	**.01019**	**.00112**	**.12938**	**.22914**	**.00567**	**.01083**	**.01083**	**.01640**	**.10453**
Stddev	.00024	.00032	.00203	.00017	.00015	.00008	.00085	.00033	.00006	.00004	.00003	.00034	.00051
%RSD	2.2971	.29006	12.472	.15726	1.5069	7.0286	.65911	.14282	1.1294	.37171	.23130	2.0599	.48658
#1	.01017	.10886	.01774	.10653	.01008	.00107	.12877	.22891	.00562	.01080	.01081	.01616	.10489
#2	.01050	.10930	.01486	.10677	.01030	.00118	.12998	.22937	.00571	.01086	.01085	.01664	.10417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3924**	**.00951**	**.21131**	**.01056**	**.02101**	F **1.3257**	**.04321**	**3.0076**	**.01019**	**.03554**	**.01145**	**.01769**	**.50975**
Stddev	.0520	.00056	.00359	.00003	.00017	.0006	.00010	.0062	.00097	.00348	.00095	.00422	.00334
%RSD	1.5319	5.8821	1.6976	.32739	.82245	.04752	.23409	.20622	9.5466	9.7876	8.2943	23.829	.65454
#1	3.4292	.00990	.21385	.01053	.02113	1.3252	.04313	3.0120	.01088	.03308	.01078	.01471	.50739
#2	3.3557	.00911	.20877	.01058	.02089	1.3261	.04328	3.0032	.00950	.03800	.01212	.02067	.51211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0909**	**.10635**	**.01067**	**.01496**	**.01018**	**.01705**	F **.09502**	**.00971**	F **.02647**	**.01863**
Stddev	.0071	.00011	.00008	.00048	.00003	.00045	.00880	.00023	.00084	.00073
%RSD	.65454	.10267	.79532	3.1888	.30884	2.6458	9.2588	2.3655	3.1706	3.8944
#1	1.0858	.10642	.01061	.01462	.01020	.01673	.10125	.00987	.02706	.01914
#2	1.0959	.10627	.01073	.01530	.01015	.01737	.08880	.00955	.02587	.01812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8646.6**	**111750.**	**9084.6**
Stddev	1.5	362.	36.7
%RSD	.01711	.32433	.40405
#1	8647.7	111500.	9058.6
#2	8645.6	112010.	9110.5

Sample Name: mb 280-199987/1-a Acquired: 11/9/2013 1:32:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00468**	**.00106**	W **.00453**	**-.00014**	**.00010**	**.00234**	**.01195**	**.00038**	**-.00014**
Stddev	.00010	.00016	.00242	.00011	.00006	.00004	.00145	.00093	.00004	.00007
%RSD	109.05	3.4879	227.19	2.3807	40.225	34.755	61.788	7.7840	11.385	47.942
#1	-.00017	.00457	.00277	.00446	-.00018	.00013	.00336	.01261	.00035	-.00019
#2	-.00002	.00480	-.00064	.00461	-.00010	.00008	.00132	.01129	.00041	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00392						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00060**	W **.02758**	**.13611**	**.00101**	**.00440**	W **.00023**	**-.00010**	W **.20402**	**.00003**
Stddev	.00014	.00065	.00137	.03526	.00037	.00341	.00005	.00001	.00389	.00037
%RSD	72.601	108.76	4.9518	25.908	36.222	77.438	20.508	14.527	1.9089	1241.6
#1	.00029	.00014	.02855	.16105	.00127	.00681	.00027	-.00011	.20126	-.00023
#2	.00009	.00105	.02662	.11117	.00075	.00199	.00020	-.00009	.20677	.00029
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710				.00023		.05054	
Low Limit			-.05000				-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**.00119**	F **.04202**	**-.00101**	**.00077**	**.00809**	**.01731**	**-.00029**	**.00018**	W **.00049**
Stddev	.00223	.00009	.00075	.00093	.00261	.01122	.02401	.00036	.00000	.00029
%RSD	63.960	7.5624	1.7965	91.874	339.13	138.70	138.70	127.52	.93465	60.059
#1	.00191	.00112	.04255	-.00166	-.00108	.01602	.03429	-.00054	.00018	.00069
#2	.00507	.00125	.04149	-.00035	.00261	.00016	.00033	-.00003	.00018	.00028
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00094**	**-.00004**	**-.00064**	W **.00402**	**.00113**
Stddev	.00004	.00058	.01866	.00019	.00045	.00107
%RSD	25.434	62.337	48115.	30.128	11.229	94.473
#1	.00014	-.00052	.01316	-.00050	.00370	.00037
#2	.00020	-.00135	-.01324	-.00078	.00434	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.7**	**114010.**	**9156.8**
Stddev	9.3	338.	27.7
%RSD	.10650	.29604	.30224
#1	8775.3	113780.	9137.2
#2	8762.1	114250.	9176.4

Sample Name: lcs 280-199987/2-a Acquired: 11/9/2013 1:34:49 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04971**	**1.8989**	**1.0100**	**1.0237**	**2.0448**	**.04979**	**2.3398**	**49.061**	**.10542**	**.49307**
Stddev	.00058	.0011	.0065	.0064	.0004	.00011	.0146	.053	.00042	.00044
%RSD	1.1747	.05641	.63926	.62473	.02145	.22610	.62355	.10903	.39371	.08965
#1	.04930	1.8996	1.0146	1.0282	2.0451	.04987	2.3501	49.098	.10571	.49339
#2	.05012	1.8981	1.0054	1.0192	2.0444	.04971	2.3295	49.023	.10512	.49276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20221**	**.25988**	**.96021**	**52.219**	**1.0128**	**48.595**	**.49323**	**1.0241**	**54.335**	**.49437**
Stddev	.00147	.00036	.00198	.020	.0028	.009	.00062	.0003	.067	.00007
%RSD	.72879	.13904	.20575	.03867	.27744	.01776	.12483	.03209	.12251	.01457
#1	.20326	.25963	.95881	52.204	1.0148	48.589	.49279	1.0239	54.288	.49432
#2	.20117	.26014	.96161	52.233	1.0108	48.601	.49366	1.0243	54.382	.49442
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.203**	**.49673**	**.02997**	**.51091**	**2.0153**	**9.9588**	**21.312**	**2.0146**	**1.0132**	**1.0078**
Stddev	.027	.00557	.00013	.00372	.0024	.0377	.081	.0049	.0010	.0050
%RSD	.26615	1.1219	.44278	.72856	.11883	.37862	.37862	.24208	.10408	.49629
#1	10.184	.50067	.02987	.50827	2.0136	9.9321	21.255	2.0112	1.0140	1.0043
#2	10.223	.49279	.03006	.51354	2.0170	9.9854	21.369	2.0181	1.0125	1.0113
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0168**	**1.9551**	**2.1590**	**.50992**	**.48363**	**.51452**
Stddev	.0012	.0033	.0262	.00324	.00098	.00133
%RSD	.11889	.16856	1.2119	.63544	.20283	.25921
#1	1.0159	1.9528	2.1775	.50763	.48432	.51546
#2	1.0176	1.9575	2.1405	.51221	.48293	.51357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8424.6**	**106870.**	**9055.2**
Stddev	5.7	243.	40.2
%RSD	.06736	.22690	.44371
#1	8420.6	107050.	9026.8
#2	8428.6	106700.	9083.6

Sample Name: 280-48602-d-1-c Acquired: 11/9/2013 1:36:56 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.01098**	**.00011**	**.01650**	**.00816**	**.00014**	**-.00164**	**17.449**	**.00058**	**-.00029**
Stddev	.00007	.00022	.00010	.00066	.00006	.00009	.00005	.049	.00003	.00001
%RSD	17.864	1.9864	86.587	4.0225	.77111	62.712	2.8020	.27835	5.9391	2.3424
#1	-.00033	.01113	.00004	.01697	.00811	.00020	-.00167	17.414	.00055	-.00029
#2	-.00043	.01083	.00018	.01603	.00820	.00008	-.00161	17.483	.00060	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00047**	**.03935**	**1.8141**	**.00841**	**3.5462**	**.01285**	**.00114**	**8.8376**	**.00025**
Stddev	.00005	.00007	.00077	.0122	.00142	.0182	.00001	.00005	.0452	.00022
%RSD	11.655	15.424	1.9543	.67311	16.884	.51201	.09546	4.5443	.51169	88.315
#1	.00043	.00042	.03989	1.8227	.00741	3.5333	.01286	.00118	8.8056	.00009
#2	.00037	.00052	.03880	1.8055	.00942	3.5590	.01284	.00111	8.8695	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03838**	**.00062**	**2.2875**	**-.00224**	**.00408**	**13.815**	**29.564**	**.00074**	**.07951**	**.00088**
Stddev	.00071	.00085	.0012	.00210	.00081	.109	.234	.00093	.00025	.00239
%RSD	1.8513	137.11	.05182	94.018	19.746	.79227	.79227	126.89	.31509	270.68
#1	.03787	.00122	2.2866	-.00075	.00351	13.737	29.398	.00140	.07933	.00258
#2	.03888	.00002	2.2883	-.00372	.00465	13.892	29.729	.00008	.07968	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00214**	**.02478**	**.00103**	**.00575**	**.00142**
Stddev	.00016	.00018	.05039	.00001	.00003	.00085
%RSD	25.039	8.2998	203.37	.85946	.56204	59.831
#1	.00052	.00226	-.01086	.00103	.00577	.00082
#2	.00074	.00201	.06041	.00104	.00573	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8718.8**	**112250.**	**9207.7**
Stddev	8.6	435.	27.1
%RSD	.09908	.38769	.29439
#1	8712.7	112560.	9226.9
#2	8724.9	111950.	9188.5

Sample Name: 280-48602-d-1-cSD@5 Acquired: 11/9/2013 1:39:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01225**	**-.00037**	**.00692**	**.00349**	**.00038**	**-.00006**	**3.9905**	**.00034**	**-.00008**
Stddev	.00032	.00015	.00192	.00013	.00301	.00030	.00454	.2799	.00009	.00007
%RSD	106.75	1.2532	517.67	1.8309	86.252	79.004	7423.2	7.0150	24.935	82.359
#1	.00053	.01214	.00099	.00683	.00562	.00059	-.00327	4.1885	.00040	-.00013
#2	.00007	.01236	-.00173	.00701	.00136	.00017	.00315	3.7926	.00028	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00021**	**.06071**	**.64849**	**.00325**	**.77339**	**.00289**	**.00029**	**2.8108**	**.00005**
Stddev	.00009	.00024	.04911	.25859	.00096	.00126	.00002	.00012	1.1458	.00010
%RSD	36.956	110.63	80.896	39.877	29.385	.16267	.60966	42.676	40.764	191.82
#1	.00030	.00005	.09543	.83134	.00258	.77428	.00288	.00020	3.6210	.00013
#2	.00017	.00038	.02598	.46563	.00393	.77250	.00290	.00037	2.0006	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00945**	**.00032**	**.50311**	**-.00104**	**.00236**	**2.9280**	**6.2659**	**.00271**	**.02058**	**.00071**
Stddev	.00039	.00065	.00003	.00160	.00209	.0198	.0423	.00019	.00475	.00072
%RSD	4.0848	202.87	.00684	154.27	88.285	.67446	.67446	7.0458	23.083	102.51
#1	.00972	-.00014	.50313	-.00217	.00384	2.9419	6.2957	.00284	.02394	.00019
#2	.00918	.00078	.50309	.00009	.00089	2.9140	6.2360	.00257	.01722	.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00002**	**-.01174**	**.00021**	**.00725**	**.00128**
Stddev	.00002	.00119	.01714	.00035	.00005	.00034
%RSD	6.4792	5059.4	145.95	166.73	.68359	26.740
#1	.00037	.00087	.00038	-.00004	.00722	.00104
#2	.00033	-.00082	-.02386	.00046	.00729	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8721.9**	**112750.**	**9181.8**
Stddev	11.2	185.	16.4
%RSD	.12811	.16386	.17899
#1	8714.0	112880.	9170.2
#2	8729.8	112620.	9193.4

Sample Name: 280-48602-d-1-d ms Acquired: 11/9/2013 1:41:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04847**	**1.8599**	**.99018**	**1.0126**	**2.0139**	**.04912**	F **2.2925**	**64.970**	**.10342**	**.48248**
Stddev	.00009	.0000	.00003	.0003	.0091	.00012	.0028	.027	.00015	.00021
%RSD	.18239	.00101	.00301	.02551	.45186	.24053	.12187	.04108	.14040	.04375
#1	.04840	1.8599	.99021	1.0125	2.0204	.04920	2.2905	64.989	.10353	.48263
#2	.04853	1.8599	.99016	1.0128	2.0075	.04903	2.2945	64.951	.10332	.48233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19837**	**.25507**	**.97499**	**52.937**	**1.0038**	**51.046**	**.49531**	**1.0111**	**62.035**	**.48608**
Stddev	.00025	.00102	.00321	.165	.0057	.104	.00041	.0003	.241	.00050
%RSD	.12574	.39943	.32877	.31231	.56458	.20348	.08185	.03369	.38831	.10284
#1	.19820	.25435	.97725	53.053	1.0078	51.119	.49560	1.0113	62.205	.48643
#2	.19855	.25579	.97272	52.820	.99976	50.972	.49503	1.0108	61.865	.48572
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.042**	**.48259**	**2.2894**	**.49634**	**1.9561**	**23.514**	**50.319**	**1.9666**	**1.0721**	**.98641**
Stddev	.015	.00243	.0117	.00116	.0069	.046	.099	.0041	.0048	.00311
%RSD	.15054	.50363	.50948	.23417	.35167	.19601	.19601	.21012	.44710	.31501
#1	10.053	.48087	2.2976	.49552	1.9512	23.546	50.389	1.9637	1.0755	.98861
#2	10.031	.48430	2.2811	.49716	1.9610	23.481	50.250	1.9695	1.0687	.98422
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99716**	**1.8693**	**2.1558**	**.50351**	**.47510**	**.50670**
Stddev	.00184	.0010	.0280	.00031	.00040	.00251
%RSD	.18441	.05172	1.3003	.06193	.08452	.49524
#1	.99586	1.8700	2.1360	.50329	.47539	.50847
#2	.99846	1.8686	2.1756	.50373	.47482	.50492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.0**	**106580.**	**9146.7**
Stddev	13.2	84.	44.0
%RSD	.15813	.07899	.48155
#1	8360.4	106640.	9177.9
#2	8341.7	106520.	9115.6

Sample Name: 280-48602-d-1-e msd Acquired: 11/9/2013 1:43:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199987 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04959**	**1.8817**	**1.0020**	**1.0204**	**2.0424**	**.04974**	F **2.3036**	**65.751**	**.10419**	**.48741**
Stddev	.00027	.0028	.0041	.0008	.0060	.00002	.0033	.167	.00001	.00158
%RSD	.54324	.14662	.40507	.07714	.29254	.04227	.14345	.25343	.00570	.32452
#1	.04940	1.8836	1.0049	1.0210	2.0466	.04976	2.3059	65.869	.10419	.48853
#2	.04978	1.8797	.99918	1.0199	2.0382	.04973	2.3012	65.633	.10418	.48629
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20051**	**.25807**	**.97091**	**53.887**	**1.0173**	**51.683**	**.50025**	**1.0196**	**63.109**	**.49075**
Stddev	.00011	.00074	.00025	.007	.0022	.115	.00048	.0016	.120	.00132
%RSD	.05566	.28654	.02538	.01287	.21726	.22271	.09548	.15798	.19079	.26913
#1	.20059	.25754	.97073	53.882	1.0157	51.764	.50059	1.0208	63.024	.49168
#2	.20043	.25859	.97108	53.892	1.0188	51.601	.49991	1.0185	63.194	.48981
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.113**	**.48885**	**2.2708**	**.49899**	**1.9697**	**23.495**	**50.280**	**1.9847**	**1.0859**	**.99729**
Stddev	.003	.00082	.0026	.00271	.0014	.127	.272	.0007	.0019	.00269
%RSD	.03438	.16792	.11373	.54355	.06882	.54012	.54012	.03669	.17306	.27007
#1	10.115	.48943	2.2726	.49707	1.9706	23.405	50.088	1.9842	1.0872	.99538
#2	10.110	.48827	2.2690	.50091	1.9687	23.585	50.472	1.9852	1.0845	.99919
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0089**	**1.8845**	**2.1418**	**.50773**	**.48282**	**.50923**
Stddev	.0033	.0012	.0187	.00183	.00338	.00255
%RSD	.33128	.06353	.87263	.36037	.70013	.50150
#1	1.0112	1.8854	2.1550	.50903	.48521	.50742
#2	1.0065	1.8837	2.1286	.50644	.48043	.51103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8353.5**	**105980.**	**8993.8**
Stddev	16.1	1025.	29.5
%RSD	.19283	.96668	.32748
#1	8342.1	105250.	8973.0
#2	8364.9	106700.	9014.7

Sample Name: CCVH-2357613 Acquired: 11/9/2013 1:45:51 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00434**	**50.175**	**.00261**	**.00910**	**.00004**	**-.00004**	**1.0341**	**.01345**	**.00012**	**-.00077**	**-.00019**	**.00889**	**48.618**
Stddev	.00029	.080	.00006	.00035	.00006	.00014	.0045	.00466	.00007	.00008	.00010	.00003	.290
%RSD	6.7391	.15931	2.3306	3.8064	152.19	378.69	.43248	34.648	59.273	9.8595	53.338	.30750	.59712
#1	.00413	50.232	.00256	.00886	.00008	-.00013	1.0309	.01674	.00007	-.00082	-.00012	.00887	48.824
#2	.00455	50.119	.00265	.00935	.00000	.00006	1.0372	.01015	.00017	-.00072	-.00026	.00891	48.413
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20119**	**.00124**	**.08128**	**.00041**	**.00009**	**260.60**	**.00007**	**.00250**	**.00183**	**5.0865**	**.00114**	**.00017**	**.02583**
Stddev	.03151	.00098	.00617	.00008	.00005	.49	.00020	.00159	.00240	.0123	.00086	.00117	.01129
%RSD	15.662	78.720	7.5861	19.622	52.883	.18841	291.77	63.567	130.97	.24174	75.801	686.10	43.720
#1	.22347	.00194	.08564	.00046	.00006	260.95	-.00007	.00138	.00014	5.0778	.00175	.00100	.01784
#2	.17891	.00055	.07692	.00035	.00012	260.26	.00021	.00363	.00353	5.0952	.00053	-.00066	.03381
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05527**	**.00077**	**.00061**	**4.7707**	**-.00569**	**.00217**	**9.9996**	**-.00009**	**.00510**	**.02449**
Stddev	.02416	.00042	.00008	.0141	.00018	.00081	.0146	.00002	.00062	.00061
%RSD	43.720	54.700	12.337	.29454	3.2373	37.469	.14594	20.906	12.136	2.5055
#1	.03818	.00107	.00066	4.7807	-.00556	.00159	9.9892	-.00010	.00467	.02493
#2	.07236	.00047	.00056	4.7608	-.00582	.00274	10.010	-.00008	.00554	.02406
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8427.2**	**106280.**	**8855.0**
Stddev	7.3	14.	15.7
%RSD	.08711	.01276	.17728
#1	8432.4	106270.	8843.9
#2	8422.0	106290.	8866.1

Sample Name: CCV-2357614 Acquired: 11/9/2013 1:48:12 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49660**	**.50305**	**1.0088**	**.51374**	**.50346**	**.49443**	**.00217**	**4.9585**	**.50702**	**.50302**	**.49934**	**.50900**	**2.3866**
Stddev	.00137	.00088	.0010	.00137	.00090	.00001	.00051	.0014	.00126	.00044	.00046	.00118	.0056
%RSD	.27586	.17502	.09492	.26754	.17778	.00169	23.668	.02909	.24829	.08686	.09229	.23209	.23313
#1	.49757	.50368	1.0095	.51471	.50409	.49443	.00254	4.9595	.50791	.50271	.49966	.50983	2.3906
#2	.49563	.50243	1.0081	.51277	.50282	.49444	.00181	4.9575	.50613	.50332	.49901	.50816	2.3827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.491**	**1.0030**	**19.394**	**.49187**	**.50883**	**5.3786**	**.50500**	**1.0095**	**1.0253**	**.01336**	**1.0289**	**1.0096**	**4.9247**
Stddev	.010	.0003	.008	.00123	.00208	.0195	.00127	.0035	.0038	.00207	.0072	.0017	.0178
%RSD	.01983	.02729	.04240	.25090	.40932	.36321	.25186	.34973	.36881	15.505	.69826	.16394	.36194
#1	51.498	1.0028	19.400	.49274	.50735	5.3924	.50590	1.0070	1.0226	.01482	1.0340	1.0108	4.9121
#2	51.484	1.0032	19.389	.49100	.51030	5.3648	.50410	1.0120	1.0280	.01189	1.0238	1.0085	4.9373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.539**	**1.0113**	**.49995**	**-.00278**	**.49660**	**1.0234**	**.03815**	**.50126**	**.49095**	**.50196**
Stddev	.038	.0036	.00104	.00282	.00124	.0055	.00415	.00068	.00115	.00006
%RSD	.36194	.35406	.20758	101.40	.25056	.53590	10.880	.13545	.23400	.01121
#1	10.512	1.0139	.50068	-.00079	.49748	1.0272	.03522	.50077	.49014	.50200
#2	10.566	1.0088	.49921	-.00478	.49572	1.0195	.04109	.50174	.49177	.50192
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8574.1**	**109270.**	**9016.2**
Stddev	17.6	11.	6.7
%RSD	.20537	.01001	.07465
#1	8561.6	109280.	9020.9
#2	8586.5	109260.	9011.4

Sample Name: CCB Acquired: 11/9/2013 1:50:22 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00194**	**.00096**	W **.00446**	**-.00009**	**.00015**	**.00464**	**.00368**	**.00040**	**-.00017**	**.00015**	**-.00012**
Stddev	.00069	.00024	.00199	.00022	.00016	.00003	.00419	.00336	.00009	.00011	.00010	.00013
%RSD	522.74	12.384	207.95	4.9019	169.63	18.969	90.290	91.298	22.583	62.116	70.497	108.28
#1	.00062	.00177	-.00045	.00431	-.00020	.00017	.00168	.00130	.00033	-.00010	.00022	-.00003
#2	-.00035	.00211	.00236	.00462	.00002	.00013	.00760	.00606	.00046	-.00025	.00007	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**.05386**	**.00126**	**.00454**	**.00004**	**.00043**	W **.09991**	**.00008**	**.00084**	**.00131**	**.01724**	W **.00468**
Stddev	.00003	.00813	.00013	.00016	.00002	.00001	.00604	.00002	.00197	.00021	.00182	.00000
%RSD	.82390	15.094	10.110	3.5383	43.832	2.0005	6.0466	29.886	233.78	15.932	10.527	.08782
#1	.00379	.05961	.00135	.00466	.00003	.00044	.09564	.00010	.00223	.00116	.01853	.00469
#2	.00374	.04811	.00117	.00443	.00005	.00043	.10418	.00006	-.00055	.00146	.01596	.00468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00255**	**.01815**	**.03885**	**.00043**	**.00010**	**.00112**	**.00027**	**-.00004**	**.01419**	**-.00037**	**.00414**	**.00192**
Stddev	.00117	.02509	.05370	.00022	.00005	.00046	.00022	.00015	.01230	.00006	.00002	.00063
%RSD	45.768	138.22	138.22	51.543	55.019	41.202	83.426	385.75	86.683	16.169	.44124	32.553
#1	.00173	.00041	.00088	.00059	.00014	.00144	.00011	.00007	.02289	-.00033	.00415	.00148
#2	.00338	.03590	.07682	.00027	.00006	.00079	.00042	-.00015	.00549	-.00041	.00413	.00237
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8542.9**	**110590.**	**8854.7**
Stddev	13.4	116.	.3
%RSD	.15713	.10505	.00375
#1	8552.4	110510.	8854.5
#2	8533.4	110670.	8854.9

Sample Name: CCVL2367586 Acquired: 11/9/2013 1:52:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.10542**	**.01569**	**.10350**	**.01005**	**.00113**	**.12426**	**.21620**	**.00550**	**.01039**	**.01043**	**.01603**	**.10374**
Stddev	.00033	.00007	.00154	.00094	.00011	.00001	.00123	.00288	.00009	.00012	.00024	.00013	.00066
%RSD	3.1761	.06389	9.8313	.90460	1.0794	.44274	.98948	1.3326	1.5614	1.1899	2.3009	.78502	.64089
#1	.01049	.10547	.01678	.10417	.00997	.00113	.12513	.21824	.00556	.01048	.01060	.01594	.10421
#2	.01003	.10537	.01460	.10284	.01012	.00114	.12339	.21416	.00544	.01031	.01026	.01612	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1913**	F **.01362**	**.20793**	**.01021**	**.02100**	**1.1720**	**.04203**	**2.9728**	**.00874**	**.01487**	**.01056**	**.01628**	**.50156**
Stddev	.0693	.00115	.00258	.00011	.00035	.0181	.00067	.0330	.00014	.00033	.00120	.00236	.00332
%RSD	2.1723	8.4551	1.2422	1.0527	1.6731	1.5440	1.5931	1.1115	1.6450	2.2098	11.350	14.509	.66102
#1	3.2403	.01443	.20975	.01029	.02125	1.1848	.04250	2.9961	.00884	.01510	.00972	.01795	.49922
#2	3.1423	.01280	.20610	.01014	.02075	1.1592	.04155	2.9494	.00864	.01463	.01141	.01461	.50391
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0733**	**.10501**	**.01041**	**.01576**	**.01024**	**.01638**	**.06750**	**.00965**	**.02571**	**.01726**
Stddev	.0071	.00095	.00007	.00184	.00034	.00113	.03405	.00027	.00022	.00094
%RSD	.66102	.90583	.67625	11.682	3.2886	6.8704	50.448	2.7945	.84247	5.4189
#1	1.0683	.10568	.01036	.01706	.01048	.01717	.04342	.00984	.02586	.01660
#2	1.0784	.10433	.01046	.01446	.01000	.01558	.09157	.00946	.02555	.01792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8606.3**	**111740.**	**8973.0**
Stddev	19.5	28.	78.4
%RSD	.22708	.02542	.87349
#1	8592.5	111720.	9028.4
#2	8620.1	111760.	8917.6

Sample Name: mb 280-199912/1-a Acquired: 11/9/2013 1:55:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00167**	**-.00174**	**.00307**	**-.00018**	**.00008**	**.00194**	**.00858**	**.00023**	**-.00020**
Stddev	.00027	.00008	.00035	.00043	.00001	.00012	.00338	.00038	.00008	.00001
%RSD	91.709	4.5711	20.297	14.105	2.9310	155.84	173.90	4.3807	35.087	5.3346
#1	.00048	.00172	-.00199	.00338	-.00017	-.00001	.00434	.00831	.00029	-.00020
#2	.00010	.00161	-.00149	.00277	-.00018	.00016	-.00045	.00884	.00017	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00046**	**.00601**	**.04288**	**.00178**	**.00212**	**.00009**	**.00018**	**.09925**	**-.00003**
Stddev	.00016	.00041	.00006	.00403	.00048	.00236	.00005	.00024	.00772	.00022
%RSD	67.255	88.583	.95909	9.3996	27.085	111.74	53.657	138.29	7.7814	794.73
#1	.00012	.00075	.00605	.04003	.00144	.00379	.00012	.00035	.10471	-.00018
#2	.00035	.00017	.00597	.04573	.00212	.00044	.00006	.00000	.09379	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**.00119**	**.01516**	**-.00114**	**.00141**	**.00927**	**.01984**	**-.00085**	**.00003**	**-.00080**
Stddev	.00131	.00075	.00224	.00030	.00015	.00835	.01787	.00067	.00007	.00110
%RSD	124.53	63.338	14.783	26.628	10.540	90.080	90.080	78.976	265.40	137.67
#1	.00013	.00066	.01674	-.00092	.00131	.01517	.03247	-.00133	.00008	-.00158
#2	.00198	.00172	.01357	-.00135	.00152	.00337	.00720	-.00038	-.00002	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00067**	**-.01308**	**-.00035**	**.00342**	**.00164**
Stddev	.00042	.00100	.02634	.00037	.00009	.00000
%RSD	397.19	150.00	201.33	105.54	2.6864	.24037
#1	.00040	-.00138	.00554	-.00061	.00336	.00164
#2	-.00019	.00004	-.03171	-.00009	.00349	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8695.2**	**113160.**	**9045.5**
Stddev	18.8	626.	80.0
%RSD	.21599	.55282	.88413
#1	8681.9	113600.	8988.9
#2	8708.4	112720.	9102.0

Sample Name: lcs 280-199912/2-a Acquired: 11/9/2013 1:57:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04917**	**1.9251**	**1.0081**	**1.0153**	**2.0537**	**.05035**	**2.3269**	**49.579**	**.10506**	**.49718**
Stddev	.00002	.0014	.0067	.0013	.0068	.00043	.0004	.231	.00004	.00084
%RSD	.04092	.07432	.66779	.12764	.33083	.84421	.01595	.46598	.03737	.16809
#1	.04915	1.9241	1.0033	1.0162	2.0585	.05065	2.3272	49.742	.10503	.49659
#2	.04918	1.9261	1.0128	1.0143	2.0489	.05005	2.3267	49.415	.10509	.49777
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20394**	**.26061**	**.96123**	**52.744**	**1.0228**	**48.871**	**.49713**	**1.0377**	**54.926**	**.49838**
Stddev	.00055	.00019	.00143	.187	.0033	.103	.00047	.0007	.002	.00103
%RSD	.27013	.07384	.14914	.35510	.32388	.21018	.09457	.06854	.00374	.20724
#1	.20355	.26047	.96225	52.876	1.0251	48.798	.49680	1.0372	54.924	.49765
#2	.20433	.26074	.96022	52.612	1.0204	48.944	.49746	1.0382	54.927	.49911
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.222**	**.49801**	**.01037**	**.51007**	**2.0031**	**10.143**	**21.706**	**2.0290**	**1.0213**	**1.0142**
Stddev	.015	.00057	.00010	.00024	.0037	.055	.118	.0008	.0030	.0022
%RSD	.14672	.11480	.98450	.04775	.18456	.54511	.54511	.03743	.28978	.21983
#1	10.211	.49760	.01030	.50990	2.0057	10.182	21.790	2.0284	1.0233	1.0126
#2	10.232	.49841	.01044	.51025	2.0005	10.104	21.623	2.0295	1.0192	1.0158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0260**	**1.9577**	**2.1814**	**.51649**	**.48817**	**.52211**
Stddev	.0001	.0005	.0443	.00029	.00064	.00011
%RSD	.01213	.02715	2.0297	.05661	.13183	.02030
#1	1.0259	1.9574	2.2127	.51669	.48772	.52218
#2	1.0260	1.9581	2.1501	.51628	.48863	.52203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8317.1**	**105850.**	**8895.7**
Stddev	12.3	117.	70.2
%RSD	.14741	.11040	.78957
#1	8325.7	105930.	8846.0
#2	8308.4	105770.	8945.4

Sample Name: 280-48729-b-1-b Acquired: 11/9/2013 1:59:29 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.02783**	**.00055**	**.04315**	**.03724**	**.00010**	**-.00049**	**225.27**	**.00293**	**.05672**
Stddev	.00043	.00021	.00370	.00043	.00023	.00004	.00009	3.36	.00006	.00056
%RSD	132.95	.73868	674.43	.99686	.61662	38.621	18.442	1.4922	2.0310	.97938
#1	-.00063	.02769	-.00207	.04284	.03707	.00013	-.00042	222.90	.00289	.05712
#2	-.00002	.02798	.00316	.04345	.03740	.00007	-.00055	227.65	.00297	.05633
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01238**	**.47920**	**10.355**	**.01397**	**31.961**	**3.9331**	**.00396**	**18.002**	**.02507**
Stddev	.00004	.00025	.00163	.100	.00055	.092	.0445	.00013	.501	.00039
%RSD	13.491	1.9979	.33985	.96536	3.9130	.28812	1.1315	3.3165	2.7850	1.5394
#1	.00031	.01220	.47804	10.284	.01358	32.026	3.9646	.00386	17.647	.02535
#2	.00026	.01255	.48035	10.426	.01436	31.896	3.9017	.00405	18.356	.02480
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00608**	**.00123**	F **221.82**	**.00090**	**.01181**	**5.3298**	**11.406**	**-.00067**	**.36491**	**-.00027**
Stddev	.00090	.00014	.19	.00071	.00195	.0381	.081	.00072	.00008	.00231
%RSD	14.850	11.144	.08393	79.236	16.512	.71422	.71422	106.67	.02206	843.39
#1	.00672	.00132	221.69	.00140	.01043	5.3029	11.348	-.00017	.36496	.00136
#2	.00544	.00113	221.95	.00040	.01319	5.3567	11.463	-.00118	.36485	-.00191
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00059**	**-.02409**	**.00033**	**.14045**	**.00290**
Stddev	.00004	.00040	.02084	.00001	.00025	.00031
%RSD	3.6873	68.075	86.500	1.9454	.17542	10.553
#1	.00100	.00087	-.03883	.00034	.14062	.00312
#2	.00095	.00030	-.00936	.00033	.14027	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8182.5**	**105380.**	**8997.3**
Stddev	40.6	198.	26.5
%RSD	.49662	.18792	.29453
#1	8153.7	105240.	9016.0
#2	8211.2	105520.	8978.5

Sample Name: 280-48729-b-1-bSD@5 Acquired: 11/9/2013 2:02:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.01786**	**.00000**	**.01088**	**.00811**	**.00010**	**.00028**	**47.692**	**.00096**	**.01205**
Stddev	.00042	.00025	.0029	.00037	.00014	.00002	.00255	.187	.00009	.00003
%RSD	534.64	1.3810	95224.	3.4013	1.6975	19.527	900.00	.39216	9.2152	.28571
#1	-.00022	.01768	-.00202	.01062	.00801	.00012	.00209	47.560	.00102	.01207
#2	.00037	.01803	.00201	.01114	.00821	.00009	-.00152	47.824	.00089	.01202
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00285**	**.11850**	**2.2506**	**.00285**	**6.8881**	**.85034**	**.00078**	**3.6603**	**.00513**
Stddev	.00004	.00038	.00026	.0362	.00006	.0115	.00154	.00019	.0166	.00021
%RSD	15.124	13.436	.21907	1.6063	2.1440	.16746	.18143	24.558	.45417	4.1737
#1	.00031	.00258	.11868	2.2251	.00281	6.8799	.84925	.00064	3.6485	.00497
#2	.00025	.00312	.11831	2.2762	.00290	6.8963	.85143	.00091	3.6720	.00528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00366**	**.00098**	**45.947**	**-.00136**	**.00381**	**1.1214**	**2.3999**	**.00227**	**.07822**	**.00128**
Stddev	.00105	.00190	.046	.00185	.00056	.0017	.0037	.00137	.00056	.00151
%RSD	28.552	193.38	.10089	136.27	14.625	.15475	.15475	60.208	.70997	117.33
#1	.00292	-.00036	45.914	-.00266	.00342	1.1202	2.3972	.00130	.07862	.00022
#2	.00440	.00232	45.979	-.00005	.00421	1.1227	2.4025	.00323	.07783	.00235
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.00061**	**-.02115**	**-.00038**	**.03590**	**.00137**
Stddev	.00005	.00006	.03628	.00020	.00019	.00008
%RSD	14.118	10.469	171.52	52.699	.53522	5.7191
#1	.00042	.00066	.00450	-.00024	.03577	.00142
#2	.00034	.00057	-.04680	-.00052	.03604	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.5**	**109750.**	**9141.5**
Stddev	8.7	587.	28.3
%RSD	.10223	.53448	.30922
#1	8497.4	110160.	9161.5
#2	8509.7	109330.	9121.6

Sample Name: 280-48729-b-1-c ms Acquired: 11/9/2013 2:04:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**1.8838**	**1.0408**	**1.0611**	**2.1134**	**.04974**	F **2.3484**	**283.37**	**.10945**	**.54784**
Stddev	.00036	.0010	.0046	.0029	.0048	.00010	.0093	2.93	.00008	.00087
%RSD	.71923	.05129	.44490	.27076	.22666	.19956	.39458	1.0336	.07461	.15803
#1	.05042	1.8831	1.0375	1.0590	2.1100	.04967	2.3418	281.30	.10940	.54722
#2	.04991	1.8845	1.0441	1.0631	2.1168	.04981	2.3549	285.44	.10951	.54845
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20493**	**.27590**	**1.4369**	**64.423**	**1.0551**	**81.716**	**4.5470**	**1.0492**	**74.049**	**.51696**
Stddev	.00044	.00109	.0040	.248	.0019	.020	.0185	.0037	.226	.00045
%RSD	.21517	.39659	.27990	.38537	.18451	.02501	.40676	.34999	.30490	.08653
#1	.20461	.27668	1.4341	64.247	1.0537	81.730	4.5601	1.0466	73.890	.51665
#2	.20524	.27513	1.4398	64.598	1.0565	81.701	4.5339	1.0518	74.209	.51728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.535**	**.48715**	F **233.00**	**.51566**	**2.0408**	**15.692**	**33.580**	**1.9984**	**1.4095**	**1.0109**
Stddev	.029	.00076	.24	.00185	.0096	.112	.241	.0004	.0026	.0065
%RSD	.27809	.15658	.10353	.35908	.46996	.71661	.71661	.01999	.18144	.64318
#1	10.515	.48661	232.83	.51697	2.0476	15.771	33.750	1.9987	1.4077	1.0155
#2	10.556	.48769	233.17	.51435	2.0340	15.612	33.410	1.9981	1.4113	1.0063
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0245**	**1.8699**	**2.1482**	**.51989**	**.62400**	**.51713**
Stddev	.0004	.0005	.0363	.00017	.00039	.00547
%RSD	.03960	.02692	1.6914	.03288	.06271	1.0585
#1	1.0248	1.8703	2.1225	.51977	.62372	.52100
#2	1.0242	1.8696	2.1739	.52001	.62428	.51326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7935.3**	**101800.**	**8879.3**
Stddev	14.7	385.	81.4
%RSD	.18560	.37830	.91704
#1	7924.9	102080.	8936.9
#2	7945.7	101530.	8821.7

Sample Name: 280-48729-b-1-d msd Acquired: 11/9/2013 2:06:41 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05016	1.8780	1.0431	1.0542	2.0967	.04904	F 2.3409	276.52	.10935	.54580
Stddev	.00061	.0017	.0001	.0009	.0007	.00003	.0019	1.97	.00024	.00004
%RSD	1.2192	.09213	.00643	.08594	.03399	.05598	.08177	.71313	.21944	.00673
#1	.04972	1.8768	1.0431	1.0549	2.0962	.04906	2.3422	277.92	.10918	.54582
#2	.05059	1.8792	1.0432	1.0536	2.0973	.04902	2.3395	275.13	.10952	.54577
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20397	.27312	1.4253	63.875	1.0489	80.638	4.4907	1.0386	73.194	.51683
Stddev	.00029	.00097	.0035	.029	.0000	.107	.0191	.0020	.112	.00099
%RSD	.13974	.35422	.24508	.04520	.00132	.13225	.42581	.19430	.15300	.19074
#1	.20417	.27244	1.4278	63.896	1.0489	80.563	4.5042	1.0400	73.273	.51753
#2	.20377	.27380	1.4228	63.855	1.0488	80.714	4.4771	1.0372	73.114	.51613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.531	.48747	F 232.71	.51042	2.0472	15.406	32.970	1.9811	1.3961	1.0002
Stddev	.012	.00015	.04	.00040	.0079	.115	.246	.0029	.0001	.0021
%RSD	.11307	.03001	.01597	.07762	.38427	.74504	.74504	.14470	.00366	.21133
#1	10.540	.48757	232.74	.51014	2.0528	15.488	33.143	1.9831	1.3961	.99873
#2	10.523	.48737	232.69	.51070	2.0417	15.325	32.796	1.9790	1.3961	1.0017
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0066	1.8631	2.1131	.51339	.61463	.50972
Stddev	.0024	.0040	.0379	.00003	.00102	.00452
%RSD	.23883	.21508	1.7929	.00653	.16556	.88665
#1	1.0083	1.8659	2.1398	.51336	.61535	.51292
#2	1.0049	1.8602	2.0863	.51341	.61391	.50653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7945.9	102480.	8884.2
Stddev	17.4	402.	7.1
%RSD	.21861	.39209	.07995
#1	7933.6	102200.	8879.1
#2	7958.2	102770.	8889.2

Sample Name: 280-48729-b-1-bPDS Acquired: 11/9/2013 2:08:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05114**	**1.0008**	**.21458**	**.14626**	**.14229**	**.05014**	**.00138**	**236.35**	**.05602**	**.10637**
Stddev	.00034	.0004	.00263	.00005	.00043	.00003	.00162	2.04	.00010	.00061
%RSD	.65762	.04268	1.2258	.03286	.30089	.05029	117.88	.86209	.18680	.57312
#1	.05090	1.0011	.21644	.14629	.14259	.05016	.00252	234.91	.05594	.10680
#2	.05138	1.0005	.21272	.14622	.14199	.05013	.00023	237.79	.05609	.10594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05276**	**.06519**	**1.4295**	**31.933**	**.12332**	**51.024**	**3.8957**	**.05713**	**40.228**	**.07539**
Stddev	.00027	.00042	.0081	.032	.00084	.046	.0150	.00015	.127	.00044
%RSD	.51778	.64392	.56497	.10081	.67848	.08942	.38516	.26575	.31608	.58832
#1	.05256	.06489	1.4238	31.910	.12391	50.992	3.9063	.05723	40.318	.07571
#2	.05295	.06548	1.4352	31.956	.12273	51.056	3.8851	.05702	40.139	.07508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1829**	**.10185**	F **221.17**	**.10694**	**.21883**	**10.312**	**22.068**	**.10191**	**.41384**	**.20283**
Stddev	.0077	.00034	.24	.00170	.00300	.008	.017	.00012	.00119	.00146
%RSD	.35381	.33307	.10882	1.5878	1.3690	.07856	.07856	.11501	.28663	.72159
#1	2.1775	.10209	221.00	.10814	.22095	10.306	22.055	.10183	.41300	.20179
#2	2.1884	.10161	221.34	.10574	.21672	10.318	22.080	.10200	.41468	.20386
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05265**	**.19698**	**.55206**	**.05264**	**.33547**	**.05410**
Stddev	.00039	.00134	.00287	.00011	.00106	.00129
%RSD	.74366	.68181	.51975	.20216	.31716	2.3862
#1	.05237	.19793	.55409	.05271	.33622	.05501
#2	.05293	.19603	.55003	.05256	.33472	.05318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.1**	**104460.**	**8968.8**
Stddev	7.3	297.	9.1
%RSD	.09054	.28434	.10129
#1	8105.2	104670.	8962.3
#2	8094.9	104250.	8975.2

Sample Name: 280-48532-e-17-b Acquired: 11/9/2013 2:11:23 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199912 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.04867**	**.00306**	**.00461**	**-.00013**	**.00015**	**.00359**	**.46324**	**.00037**	**.00017**
Stddev	.00069	.00133	.00015	.00020	.00020	.00001	.00060	.00814	.00012	.00012
%RSD	239.34	2.7262	4.8879	4.3379	150.07	8.6514	16.723	1.7581	33.018	70.558
#1	-.00020	.04773	.00295	.00447	.00001	.00016	.00317	.46899	.00045	.00008
#2	.00077	.04961	.00317	.00475	-.00027	.00014	.00401	.45748	.00028	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00042**	**.00915**	**.12924**	**.00189**	**.06893**	**.00795**	**.00038**	**.13420**	**.00003**
Stddev	.00002	.00014	.00145	.04046	.00189	.00062	.00001	.00014	.00695	.00002
%RSD	7.4965	33.311	15.845	31.307	99.669	.89822	.10131	36.662	5.1815	64.223
#1	.00026	.00032	.00812	.15785	.00323	.06937	.00794	.00028	.12929	.00001
#2	.00023	.00052	.01017	.10063	.00056	.06850	.00795	.00048	.13912	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00675**	**.00089**	**.53075**	**-.00181**	**.00424**	**.02166**	**.04635**	**-.00022**	**.00087**	**.00018**
Stddev	.00306	.00032	.09995	.00065	.00406	.01728	.03698	.00117	.00008	.00004
%RSD	45.341	35.621	18.832	35.841	95.807	79.788	79.788	529.41	9.7376	23.113
#1	.00459	.00111	.46008	-.00226	.00137	.03388	.07251	-.00105	.00081	.00021
#2	.00892	.00066	.60143	-.00135	.00711	.00944	.02020	.00061	.00093	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00011**	**.02267**	**-.00092**	**.00462**	**.00274**
Stddev	.00018	.00038	.02427	.00044	.00021	.00011
%RSD	64.078	336.57	107.06	47.554	4.6091	3.8360
#1	.00015	-.00016	.03983	-.00061	.00447	.00267
#2	.00040	.00038	.00551	-.00123	.00477	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8817.1**	**114880.**	**9290.0**
Stddev	16.7	217.	57.8
%RSD	.18893	.18901	.62241
#1	8828.9	115040.	9330.8
#2	8805.3	114730.	9249.1

Sample Name: CCVH-2357613 Acquired: 11/9/2013 2:13:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**50.226**	**-.00024**	**.00675**	**.00003**	**.00013**	**1.0488**	**.02190**	**.00003**	**-.00060**	**-.00008**	**.00919**	**48.909**
Stddev	.00063	.103	.00029	.00036	.00007	.00001	.0022	.00496	.00016	.00024	.00005	.00014	.484
%RSD	18.879	.20531	123.06	5.3912	217.46	7.7932	.20748	22.655	487.95	39.749	63.392	1.5140	.99057
#1	.00378	50.299	-.00045	.00649	-.00002	.00012	1.0473	.02541	.00015	-.00077	-.00011	.00929	49.252
#2	.00289	50.153	-.00003	.00701	.00009	.00013	1.0504	.01839	-.00008	-.00043	-.00004	.00909	48.567
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15251**	**.00101**	**.07866**	**.00059**	**-.00018**	**263.17**	**.00009**	**.00129**	**.00312**	**5.1748**	**.00016**	**.00094**	**.03615**
Stddev	.00516	.00091	.00057	.00002	.00015	.72	.00013	.00137	.00135	.0057	.00008	.00348	.00614
%RSD	3.3850	89.942	.71994	3.0453	83.448	.27191	137.06	106.34	43.218	.11117	48.818	369.58	16.988
#1	.14886	.00037	.07906	.00057	-.00007	263.67	.00000	.00032	.00216	5.1707	.00021	-.00152	.04049
#2	.15616	.00165	.07826	.00060	-.00028	262.66	.00018	.00226	.00407	5.1789	.00010	.00341	.03181
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07736**	**-.00109**	**.00044**	**4.8036**	**-.00610**	**.00202**	**10.131**	**.00012**	**.00245**	**.02357**
Stddev	.01314	.00039	.00003	.0158	.00006	.00008	.002	.00021	.00003	.00298
%RSD	16.988	35.693	7.3989	.32911	.95857	4.2004	.02075	175.70	1.2460	12.633
#1	.08665	-.00082	.00046	4.7925	-.00606	.00196	10.133	.00027	.00243	.02567
#2	.06807	-.00137	.00041	4.8148	-.00614	.00208	10.130	-.00003	.00247	.02146
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.9**	**107490.**	**9120.2**
Stddev	4.9	598.	1.4
%RSD	.05743	.55671	.01548
#1	8473.3	107910.	9119.2
#2	8466.5	107070.	9121.2

Sample Name: CCV-2357614 Acquired: 11/9/2013 2:16:04 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50097**	**.50754**	**1.0173**	**.51974**	**.50608**	**.49885**	**.00217**	**4.9916**	**.51285**	**.50685**	**.50305**	**.51406**	**2.3830**
Stddev	.00182	.00328	.0028	.00040	.00061	.00071	.00247	.0029	.00040	.00023	.00060	.00238	.0143
%RSD	.36338	.64681	.27591	.07617	.12048	.14330	113.97	.05844	.07769	.04514	.12024	.46325	.60171
#1	.49968	.50522	1.0193	.52002	.50651	.49936	.00392	4.9937	.51257	.50701	.50262	.51238	2.3728
#2	.50226	.50987	1.0153	.51946	.50565	.49835	.00042	4.9896	.51313	.50668	.50348	.51575	2.3931
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.881**	**1.0122**	**19.480**	**.49429**	**.51441**	**5.3534**	**.50899**	**1.0228**	**1.0333**	**.03349**	**1.0394**	**1.0235**	**4.9055**
Stddev	.067	.0007	.033	.00080	.00298	.0102	.00025	.0037	.0068	.00217	.0030	.0004	.0672
%RSD	.13007	.07155	.17151	.16095	.57911	.19017	.04900	.35874	.65823	6.4928	.28986	.04333	1.3702
#1	51.929	1.0116	19.456	.49373	.51651	5.3606	.50881	1.0254	1.0381	.03502	1.0415	1.0239	4.8579
#2	51.833	1.0127	19.504	.49485	.51230	5.3463	.50916	1.0202	1.0284	.03195	1.0372	1.0232	4.9530
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.498**	**1.0108**	**.50333**	**-.00349**	**.49986**	**1.0328**	**.00916**	**.50369**	**.49158**	**.50252**
Stddev	.144	.0082	.00067	.00089	.00042	.0047	.01537	.00003	.00108	.00057
%RSD	1.3702	.81038	.13408	25.627	.08329	.45660	167.78	.00644	.21914	.11412
#1	10.396	1.0166	.50381	-.00286	.49957	1.0361	.02003	.50367	.49235	.50212
#2	10.599	1.0050	.50285	-.00412	.50015	1.0295	-.00171	.50372	.49082	.50293
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8635.1**	**111200.**	**9102.0**
Stddev	10.9	173.	44.6
%RSD	.12632	.15548	.48996
#1	8642.8	111330.	9133.6
#2	8627.4	111080.	9070.5

Sample Name: CCB Acquired: 11/9/2013 2:18:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.00200**	**.00215**	**.00314**	**-.00027**	**.00016**	**.00148**	**.00683**	**.00026**	**-.00015**	**.00010**	**-.00014**
Stddev	.00025	.00014	.00205	.00013	.00001	.00005	.00133	.00230	.00008	.00003	.00002	.00032
%RSD	121.27	7.1139	95.631	4.0148	4.6302	31.322	89.651	33.676	32.817	16.947	23.120	228.53
#1	-.00003	.00190	.00069	.00323	-.00028	.00012	.00242	.00846	.00032	-.00017	.00012	-.00037
#2	-.00038	.00210	.00360	.00305	-.00026	.00019	.00054	.00520	.00020	-.00013	.00008	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00442**	**.08361**	**.00067**	**-.00001**	**.00010**	**.00070**	**.05867**	**.00014**	**-.00050**	**.00086**	**.03340**	W **.00473**
Stddev	.00029	.01899	.00349	.00001	.00003	.00020	.01184	.00001	.00015	.00042	.00200	.00035
%RSD	6.5652	22.712	521.62	64.570	25.199	27.824	20.189	3.7855	29.547	48.841	5.9813	7.3582
#1	.00421	.09704	.00313	-.00002	.00012	.00084	.06705	.00014	-.00061	.00056	.03199	.00497
#2	.00462	.07018	-.00180	-.00001	.00008	.00057	.05029	.00014	-.00040	.00115	.03482	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00497**	**.00995**	**.02129**	**-.00009**	**.00008**	**-.00046**	**.00018**	**.00173**	**.01072**	**-.00047**	**.00385**	W **.00338**
Stddev	.00298	.00209	.00448	.00032	.00003	.00038	.00037	.00038	.00849	.00037	.00000	.00065
%RSD	60.029	21.024	21.024	346.77	34.221	82.619	209.74	22.028	79.205	79.766	.08175	19.296
#1	.00708	.00847	.01812	.00013	.00006	-.00073	.00044	.00146	.01672	-.00020	.00385	.00384
#2	.00286	.01143	.02445	-.00032	.00010	-.00019	-.00009	.00200	.00471	-.00073	.00386	.00292
Check ?	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.00486											.00238
Low Limit	-.00486											-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8582.3**	**111680.**	**9061.1**
Stddev	6.6	136.	4.1
%RSD	.07742	.12197	.04486
#1	8577.6	111780.	9058.2
#2	8587.0	111580.	9063.9

Sample Name: CCVL-2367586 Acquired: 11/9/2013 2:20:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00999**	**.10579**	**.01615**	**.10311**	**.01003**	**.00114**	**.12726**	**.21313**	**.00566**	**.01043**	**.01041**	**.01600**	**.10061**
Stddev	.00015	.00036	.00076	.00034	.00025	.00005	.00098	.00019	.00002	.00021	.00008	.00003	.00240
%RSD	1.5098	.34002	4.6929	.33169	2.4935	4.7657	.77012	.08811	.29857	1.9912	.72556	.18527	2.3837
#1	.00989	.10554	.01561	.10287	.01021	.00118	.12657	.21326	.00567	.01028	.01047	.01598	.10230
#2	.01010	.10605	.01668	.10335	.00985	.00110	.12796	.21300	.00565	.01057	.01036	.01602	.09891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1550**	**.01164**	**.20161**	**.01022**	**.02090**	**1.1390**	**.04156**	**2.9704**	**.00971**	**.02818**	**.00842**	**.01378**	**.48774**
Stddev	.0117	.00250	.00079	.00005	.00041	.0026	.00034	.0162	.00056	.00262	.00016	.00181	.00628
%RSD	.37086	21.497	.39342	.49834	1.9410	.22491	.82993	.54672	5.8083	9.2873	1.9254	13.142	1.2880
#1	3.1467	.00987	.20105	.01018	.02062	1.1372	.04131	2.9589	.00931	.03003	.00853	.01506	.48330
#2	3.1633	.01341	.20217	.01025	.02119	1.1408	.04180	2.9819	.01010	.02633	.00830	.01250	.49219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0438**	**.10369**	**.01023**	**.01460**	**.01031**	**.01648**	F **.08593**	**.00938**	**.02535**	**.01650**
Stddev	.0134	.00104	.00012	.00207	.00006	.00155	.00236	.00022	.00031	.00061
%RSD	1.2880	1.0025	1.1931	14.168	.58284	9.3945	2.7509	2.3336	1.2257	3.6840
#1	1.0343	.10296	.01031	.01314	.01026	.01538	.08760	.00923	.02513	.01693
#2	1.0533	.10443	.01014	.01606	.01035	.01757	.08426	.00954	.02557	.01607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8721.8**	**113190.**	**9189.8**
Stddev	10.1	103.	39.4
%RSD	.11524	.09092	.42922
#1	8714.7	113110.	9162.0
#2	8728.9	113260.	9217.7

Sample Name: mb 280-199789/1-a Acquired: 11/9/2013 2:22:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00384**	**-.00048**	**.00229**	**.00101**	**.00006**	**.00262**	**.03813**	**.00032**	**.00002**
Stddev	.00010	.00002	.00105	.00040	.00016	.00009	.00074	.00004	.00008	.00003
%RSD	66.172	.64785	217.46	17.426	16.345	137.26	28.347	.09311	24.653	179.64
#1	.00021	.00382	-.00122	.00257	.00089	.00000	.00315	.03816	.00038	.00000
#2	.00008	.00386	.00026	.00200	.00112	.00012	.00210	.03811	.00026	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00112**	**.02201**	**.18398**	**.00103**	**.00432**	**.00086**	**.00002**	**.15413**	**.00044**
Stddev	.00009	.00009	.00237	.03510	.00066	.00083	.00005	.00014	.00722	.00043
%RSD	34.910	7.8706	10.766	19.078	64.015	19.229	5.9422	735.10	4.6850	97.636
#1	.00033	.00106	.02368	.20880	.00150	.00373	.00089	.00012	.14902	.00075
#2	.00020	.00119	.02033	.15916	.00057	.00491	.00082	-.00008	.15924	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00376**	**.00037**	**.03327**	**-.00196**	**.00345**	**.02412**	**.05162**	**.00350**	**.00012**	**-.00037**
Stddev	.00115	.00084	.00206	.00154	.00457	.00150	.00321	.00055	.00003	.00271
%RSD	30.485	227.39	6.2057	78.602	132.46	6.2266	6.2266	15.704	24.238	726.18
#1	.00295	.00097	.03473	-.00305	.00669	.02306	.04935	.00389	.00014	.00155
#2	.00457	-.00023	.03181	-.00087	.00022	.02518	.05389	.00311	.00010	-.00229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00108**	**.01257**	**-.00075**	**.00483**	**.00108**
Stddev	.00020	.00075	.05785	.00027	.00017	.00134
%RSD	46.526	69.692	460.11	35.625	3.5205	124.13
#1	.00028	-.00161	.05348	-.00094	.00495	.00013
#2	.00056	-.00055	-.02833	-.00056	.00471	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8877.3**	**115970.**	**9452.8**
Stddev	12.4	29.	21.2
%RSD	.14004	.02520	.22418
#1	8886.1	115950.	9437.9
#2	8868.5	116000.	9467.8

Sample Name: lcs 280-199789/2-a Acquired: 11/9/2013 2:25:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04873**	**1.8494**	**.98941**	**.97999**	**2.0063**	**.04892**	**2.3100**	**48.016**	**.10332**	**.48525**
Stddev	.00090	.0004	.00294	.00352	.0056	.00010	.0012	.155	.00025	.00051
%RSD	1.8493	.02106	.29724	.35948	.27740	.21443	.05274	.32208	.24321	.10470
#1	.04809	1.8491	.98733	.97749	2.0023	.04885	2.3091	47.906	.10314	.48489
#2	.04936	1.8497	.99149	.98248	2.0102	.04900	2.3108	48.125	.10349	.48560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19877**	**.25621**	**.94504**	**51.173**	**1.0012**	**46.964**	**.47979**	**1.0064**	**54.033**	**.48867**
Stddev	.00002	.00072	.00329	.232	.0083	.128	.00096	.0003	.724	.00020
%RSD	.00871	.28135	.34802	.45347	.82705	.27318	.20049	.02812	1.3395	.04190
#1	.19875	.25672	.94271	51.009	.99532	46.874	.47911	1.0066	53.521	.48881
#2	.19878	.25570	.94736	51.337	1.0070	47.055	.48047	1.0062	54.544	.48852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.119**	**.48534**	**.02400**	**.47350**	**1.9632**	F **.61558**	**1.3174**	**1.9675**	**.99598**	**.97614**
Stddev	.007	.00027	.00032	.00560	.0157	.02137	.0457	.0067	.00362	.00082
%RSD	.07025	.05665	1.3523	1.1832	.79825	3.4721	3.4721	.33949	.36383	.08426
#1	10.114	.48514	.02423	.47746	1.9743	.60047	1.2850	1.9722	.99342	.97556
#2	10.124	.48553	.02377	.46954	1.9521	.63070	1.3497	1.9627	.99854	.97672
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98511**	**1.9168**	**2.1025**	**.49733**	**.46845**	**.49969**
Stddev	.00189	.0029	.0554	.00080	.00158	.00269
%RSD	.19188	.14922	2.6333	.16095	.33714	.53839
#1	.98377	1.9188	2.0633	.49790	.46957	.49779
#2	.98644	1.9148	2.1416	.49677	.46733	.50160
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8396.2**	**108470.**	**9224.1**
Stddev	11.2	62.	60.3
%RSD	.13354	.05680	.65374
#1	8404.1	108510.	9266.8
#2	8388.3	108430.	9181.5

Sample Name: 280-48909-a-1-a Acquired: 11/9/2013 2:27:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00271**	**42.214**	**.01396**	**.00424**	**.60793**	**.00093**	**-.00245**	**63.354**	**.00052**	**.08312**
Stddev	.00013	.025	.00053	.00006	.00172	.00013	.00184	.134	.00016	.00042
%RSD	4.7786	.05843	3.8095	1.3871	.28295	14.315	74.959	.21176	31.134	.50920
#1	-.00280	42.197	.01359	.00420	.60671	.00084	-.00375	63.259	.00040	.08342
#2	-.00262	42.232	.01434	.00428	.60914	.00103	-.00115	63.449	.00063	.08283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04524**	**.13338**	**230.10**	**5.9382**	**.04457**	**40.144**	**2.7844**	**.00338**	**2.8661**	**.08179**
Stddev	.00011	.00030	.73	.0572	.00140	.084	.0132	.00024	.0014	.00009
%RSD	.23628	.22244	.31898	.96284	3.1362	.21012	.47480	7.1089	.04906	.11099
#1	.04531	.13359	229.58	5.8978	.04358	40.204	2.7751	.00355	2.8671	.08173
#2	.04516	.13317	230.62	5.9786	.04556	40.084	2.7938	.00321	2.8651	.08186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.709**	**.02511**	**.97369**	**-.00045**	**-.00056**	**1.3428**	**2.8736**	**.02336**	**.20950**	**.02203**
Stddev	.003	.00090	.00303	.00118	.00143	.0028	.0059	.00094	.00065	.00317
%RSD	.02775	3.5683	.31148	265.24	256.73	.20656	.20656	4.0204	.31222	14.406
#1	10.711	.02447	.97154	-.00128	-.00156	1.3448	2.8778	.02270	.20904	.02428
#2	10.707	.02574	.97583	.00039	.00045	1.3408	2.8694	.02402	.20997	.01979
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.993**	**-.00452**	F **-.11369**	**.60704**	**.39158**	**.22962**
Stddev	.299	.00055	.01034	.00174	.00052	.00008
%RSD	1.3594	12.140	9.0979	.28648	.13386	.03685
#1	21.782	-.00491	-.12100	.60827	.39195	.22968
#2	22.205	-.00414	-.10637	.60581	.39121	.22956
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9555.3**	**121740.**	**10380.**
Stddev	4.1	151.	92.
%RSD	.04342	.12394	.88337
#1	9558.2	121630.	10445.
#2	9552.3	121840.	10316.

Sample Name: 280-48909-a-1-a Acquired: 11/9/2013 2:29:48 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**9.7709**	**.00402**	**.00283**	**.13964**	**.00033**	**.00390**	**14.677**	**.00034**	**.02016**
Stddev	.00053	.0288	.00003	.00066	.00109	.00006	.00233	.059	.00015	.00006
%RSD	66.355	.29451	.65339	23.434	.78186	17.008	59.811	.40193	44.664	.30297
#1	-.00118	9.7912	.00404	.00330	.14041	.00029	.00555	14.719	.00044	.02020
#2	-.00043	9.7505	.00400	.00236	.13887	.00037	.00225	14.635	.00023	.02011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.03086**	**53.715**	**1.3306**	**.01078**	**9.3364**	**.65539**	**.00067**	**.62341**	**.01945**
Stddev	.00008	.00048	.289	.0269	.00058	.0127	.00027	.00002	.00064	.00002
%RSD	.72654	1.5502	.53859	2.0205	5.3930	.13562	.04188	2.7427	.10191	.12539
#1	.01056	.03120	53.511	1.3497	.01119	9.3275	.65519	.00068	.62296	.01944
#2	.01067	.03052	53.920	1.3116	.01037	9.3454	.65558	.00066	.62386	.01947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4812**	**.00677**	**.24220**	**-.00142**	**.00136**	**.30440**	**.65142**	**.00625**	**.04848**	**.00817**
Stddev	.0011	.00046	.00083	.00146	.00434	.02534	.05422	.00051	.00025	.00093
%RSD	.04264	6.7950	.34073	102.41	318.61	8.3230	8.3230	8.1214	.52313	11.323
#1	2.4819	.00709	.24279	-.00039	.00443	.32232	.68976	.00661	.04830	.00883
#2	2.4804	.00644	.24162	-.00245	-.00171	.28649	.61309	.00589	.04866	.00752
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**5.0978**	**-.00104**	**-.04254**	**.13958**	**.09760**	**.05311**
Stddev	.0076	.00118	.06048	.00026	.00072	.00084
%RSD	.14998	114.00	142.15	.18985	.73975	1.5757
#1	5.0924	-.00187	-.08531	.13939	.09811	.05252
#2	5.1032	-.00020	.00022	.13977	.09709	.05370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8886.6**	**113960.**	**9435.3**
Stddev	14.3	102.	79.6
%RSD	.16126	.08933	.84414
#1	8876.5	113890.	9378.9
#2	8896.7	114030.	9491.6

Sample Name: 280-48909-a-1-b du Acquired: 11/9/2013 2:32:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**45.061**	**.01454**	**.00227**	**.66755**	**.00108**	**.00789**	**61.216**	**.00049**	**.08316**
Stddev	.00009	.070	.00174	.00030	.00230	.00000	.00109	.107	.00026	.00062
%RSD	3.0820	.15434	11.989	13.087	.34498	.14634	13.780	.17409	53.118	.75056
#1	-.00314	45.111	.01331	.00248	.66918	.00108	.00712	61.141	.00031	.08272
#2	-.00301	45.012	.01577	.00206	.66592	.00109	.00866	61.291	.00067	.08360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05215**	**.13925**	**239.49**	**6.2422**	**.04190**	**39.841**	**2.8351**	**.00302**	**2.8291**	**.07482**
Stddev	.00012	.00001	.57	.0028	.00065	.016	.0025	.00005	.0077	.00003
%RSD	.23639	.00560	.23860	.04537	1.5524	.04026	.08697	1.5003	.27113	.04459
#1	.05206	.13925	239.89	6.2402	.04144	39.830	2.8369	.00305	2.8237	.07480
#2	.05223	.13926	239.09	6.2442	.04236	39.852	2.8334	.00298	2.8346	.07485
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.238**	**.02672**	**1.0191**	**-.00682**	**-.00291**	**1.2868**	**2.7537**	**.02500**	**.22311**	**.02945**
Stddev	.024	.00141	.0034	.00053	.00080	.0293	.0627	.00019	.00031	.00166
%RSD	.21719	5.2850	.33451	7.7179	27.433	2.2766	2.2766	.77950	.14026	5.6330
#1	11.221	.02572	1.0167	-.00645	-.00347	1.3075	2.7980	.02486	.22333	.02828
#2	11.256	.02772	1.0215	-.00719	-.00235	1.2661	2.7094	.02514	.22289	.03062
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **22.455**	**-.00262**	F **-.10458**	**.63126**	**.40551**	**.24227**
Stddev	.052	.00171	.06260	.00174	.00083	.00057
%RSD	.22946	65.454	59.859	.27517	.20587	.23511
#1	22.491	-.00141	-.06031	.63003	.40492	.24268
#2	22.418	-.00383	-.14884	.63249	.40610	.24187
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9591.8**	**121600.**	**10373.**
Stddev	13.3	23.	41.
%RSD	.13858	.01913	.39734
#1	9601.2	121580.	10402.
#2	9582.4	121610.	10344.

Sample Name: 280-48909-a-1-c ms Acquired: 11/9/2013 2:34:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03908	71.870	.79030	.78599	2.4419	.04200	F 1.9260	127.08	.08708	.49643
Stddev	.00016	.282	.00033	.00030	.0034	.00013	.0018	.43	.00006	.00046
%RSD	.40248	.39245	.04177	.03875	.13787	.30525	.09548	.33494	.06786	.09191
#1	.03897	71.670	.79053	.78577	2.4396	.04191	1.9273	126.78	.08712	.49675
#2	.03919	72.069	.79006	.78620	2.4443	.04209	1.9247	127.38	.08703	.49610
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.23793	.37688	276.93	51.719	.91122	95.376	3.9775	.81317	52.421	.50604
Stddev	.00042	.00025	1.63	.348	.00126	.276	.0046	.00143	.438	.00130
%RSD	.17511	.06567	.58904	.67296	.13870	.28943	.11612	.17584	.83630	.25633
#1	.23822	.37706	275.78	51.473	.91033	95.181	3.9742	.81418	52.111	.50695
#2	.23763	.37671	278.08	51.965	.91212	95.571	3.9808	.81216	52.731	.50512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 18.380	.41932	1.0215	.22910	1.5567	3.4967	7.4830	1.3524	1.1442	.86330
Stddev	.026	.00039	.0011	.00184	.0059	.0043	.0093	.0007	.0036	.00519
%RSD	.14219	.09281	.10469	.80173	.37932	.12449	.12449	.05089	.31190	.60150
#1	18.398	.41960	1.0208	.23040	1.5526	3.4998	7.4896	1.3519	1.1417	.86697
#2	18.361	.41905	1.0223	.22780	1.5609	3.4937	7.4764	1.3529	1.1468	.85963
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 26.041	1.5036	1.6077	1.2546	.86160	.71381
Stddev	.130	.0005	.0027	.0007	.00251	.00371
%RSD	.50044	.03119	.17110	.05566	.29154	.52030
#1	25.949	1.5033	1.6057	1.2541	.85982	.71118
#2	26.133	1.5039	1.6096	1.2551	.86338	.71644
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	25.000					
Low Limit	-.02000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	9407.8	119060.	10518.
Stddev	32.8	430.	56.
%RSD	.34912	.36151	.53611
#1	9431.0	119370.	10557.
#2	9384.5	118760.	10478.

Sample Name: 280-48909-a-2-a Acquired: 11/9/2013 2:37:05 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00305**	**44.941**	**.01498**	**.00228**	**.62572**	**.00098**	**.00042**	**63.912**	**.00057**	**.08144**
Stddev	.00001	.024	.00154	.00025	.00059	.00005	.00182	.092	.00008	.00053
%RSD	.22229	.05401	10.257	11.045	.09370	5.5085	428.25	.14404	13.980	.65282
#1	-.00305	44.923	.01606	.00246	.62530	.00101	-.00086	63.847	.00051	.08182
#2	-.00306	44.958	.01389	.00210	.62613	.00094	.00171	63.977	.00063	.08107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04849**	**.13467**	**226.97**	**6.4738**	**.04656**	**41.379**	**2.6971**	**.00323**	**2.7688**	**.08149**
Stddev	.00028	.00026	.32	.0408	.00026	.127	.0144	.00016	.0062	.00008
%RSD	.57539	.19496	.13997	.63066	.55445	.30589	.53539	5.0774	.22506	.09592
#1	.04869	.13485	226.74	6.4450	.04638	41.290	2.6868	.00335	2.7732	.08154
#2	.04829	.13448	227.19	6.5027	.04675	41.469	2.7073	.00312	2.7644	.08143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.541**	**.02534**	**.90942**	**-.00284**	**-.00195**	**1.0786**	**2.3082**	**.02221**	**.21581**	**.02716**
Stddev	.051	.00036	.00701	.00114	.00106	.0328	.0701	.00190	.00001	.00344
%RSD	.48155	1.4059	.77124	40.354	54.491	3.0382	3.0382	8.5517	.00246	12.656
#1	10.577	.02509	.91438	-.00203	-.00120	1.0554	2.2586	.02355	.21582	.02473
#2	10.505	.02559	.90446	-.00365	-.00270	1.1018	2.3578	.02087	.21581	.02959
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.107**	**-.00334**	F **-.11550**	**.61419**	**.39800**	**.22006**
Stddev	.037	.00003	.03699	.00157	.00170	.00712
%RSD	.17695	.87669	32.030	.25484	.42838	3.2369
#1	21.133	-.00332	-.14166	.61529	.39679	.22509
#2	21.080	-.00336	-.08934	.61308	.39921	.21502
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9435.2**	**120040.**	**10362.**
Stddev	10.4	158.	3.
%RSD	.11040	.13144	.03206
#1	9427.8	119930.	10359.
#2	9442.6	120160.	10364.

Sample Name: 280-48909-a-3-a Acquired: 11/9/2013 2:39:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00265**	**41.055**	**.01327**	**.00312**	**.59504**	**.00099**	**.00293**	**52.356**	**.00041**	**.07222**
Stddev	.00004	.253	.00289	.00018	.00004	.00008	.00206	.258	.00006	.00043
%RSD	1.6887	.61711	21.804	5.8970	.00608	8.2378	70.189	.49222	15.568	.59024
#1	-.00262	41.234	.01123	.00299	.59506	.00094	.00147	52.538	.00045	.07252
#2	-.00268	40.876	.01532	.00325	.59501	.00105	.00438	52.173	.00036	.07192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04593**	**.15325**	**202.40**	**6.3932**	**.04426**	**37.241**	**2.4567**	**.00240**	**2.3765**	**.07736**
Stddev	.00002	.00059	.23	.0073	.00237	.124	.0056	.00008	.0219	.00040
%RSD	.04519	.38234	.11130	.11404	5.3569	.33397	.22949	3.1777	.92175	.51512
#1	.04592	.15284	202.56	6.3880	.04594	37.153	2.4527	.00245	2.3920	.07708
#2	.04595	.15367	202.24	6.3983	.04258	37.329	2.4607	.00234	2.3610	.07764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3840**	**.02539**	**.77905**	**-.00266**	**-.00419**	**1.0617**	**2.2720**	**.02153**	**.20520**	**.02613**
Stddev	.0112	.00064	.00262	.00152	.00090	.0228	.0487	.00016	.00032	.00278
%RSD	.11948	2.5042	.33616	57.241	21.429	2.1443	2.1443	.72674	.15724	10.622
#1	9.3761	.02494	.78091	-.00373	-.00356	1.0456	2.2376	.02142	.20543	.02417
#2	9.3920	.02584	.77720	-.00158	-.00483	1.0778	2.3065	.02165	.20497	.02809
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.488**	**-.00361**	W **-.09183**	**.54775**	**.36172**	**.20387**
Stddev	.185	.00123	.00291	.00401	.00373	.00182
%RSD	.95173	34.104	3.1696	.73130	1.0316	.89495
#1	19.357	-.00448	-.08978	.54491	.35908	.20516
#2	19.619	-.00274	-.09389	.55058	.36435	.20258
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9186.1**	**116730.**	**9860.4**
Stddev	33.5	733.	29.4
%RSD	.36504	.62788	.29776
#1	9209.8	117250.	9839.7
#2	9162.4	116220.	9881.2

Sample Name: 280-48909-a-4-a Acquired: 11/9/2013 2:41:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00330**	**48.222**	**.01486**	**.00172**	**.74301**	**.00111**	**-.00083**	**60.860**	**.00049**	**.08808**
Stddev	.00040	.072	.00176	.00038	.00034	.00011	.00159	.007	.00010	.00015
%RSD	12.129	.14942	11.825	22.264	.04562	10.154	191.90	.01106	19.770	.16532
#1	-.00359	48.171	.01362	.00145	.74277	.00103	.00030	60.855	.00056	.08798
#2	-.00302	48.272	.01611	.00199	.74325	.00119	-.00196	60.865	.00042	.08818
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04560**	**.14777**	**250.79**	**6.2566**	**.04217**	**42.247**	**3.1122**	**.00306**	**3.0110**	**.07056**
Stddev	.00011	.00000	.77	.0257	.00087	.062	.0405	.00024	.0044	.00014
%RSD	.24068	.00190	.30631	.41151	2.0539	.14780	1.3027	7.8923	.14544	.20181
#1	.04552	.14776	251.33	6.2748	.04156	42.292	3.1408	.00323	3.0079	.07046
#2	.04567	.14777	250.25	6.2384	.04278	42.203	3.0835	.00288	3.0141	.07066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.135**	**.02665**	**.92972**	**-.00436**	**.00104**	**1.1148**	**2.3856**	**.02652**	**.22156**	**.02729**
Stddev	.029	.00096	.00255	.00371	.00115	.0268	.0573	.00030	.00016	.00158
%RSD	.26367	3.6164	.27444	85.028	110.64	2.4010	2.4010	1.1335	.07207	5.8041
#1	11.155	.02733	.93153	-.00174	.00185	1.1337	2.4261	.02673	.22167	.02841
#2	11.114	.02596	.92792	-.00698	.00023	1.0958	2.3451	.02631	.22144	.02617
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.604**	**-.00451**	F **-.12260**	**.68509**	**.43267**	**.25740**
Stddev	.018	.00005	.01795	.00271	.00107	.00056
%RSD	.07436	1.1189	14.640	.39562	.24665	.21670
#1	23.591	-.00454	-.10991	.68317	.43191	.25779
#2	23.616	-.00447	-.13529	.68701	.43342	.25701
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9408.7**	**119620.**	**10059.**
Stddev	22.4	260.	7.
%RSD	.23800	.21774	.06889
#1	9392.8	119440.	10064.
#2	9424.5	119810.	10055.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 2:44:28 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00349**	**50.187**	**.00325**	**.00607**	**.00037**	**.00006**	**1.0384**	**.01519**	**.00011**	**-.00069**	**-.00016**	**.00884**	**48.521**
Stddev	.00056	.031	.00036	.00009	.00003	.00000	.0023	.00454	.00001	.00031	.00008	.00024	.225
%RSD	16.011	.06095	10.966	1.5032	7.3756	7.7077	.22023	29.861	8.8398	44.363	47.061	2.7592	.46298
#1	.00389	50.166	.00299	.00613	.00035	.00006	1.0400	.01840	.00012	-.00091	-.00011	.00901	48.680
#2	.00309	50.209	.00350	.00600	.00039	.00006	1.0368	.01199	.00010	-.00048	-.00022	.00867	48.362
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00629**	**.00018**	**.08496**	**.00084**	**-.00018**	**262.05**	**-.00010**	**.00328**	**.00274**	**5.1041**	**-.00027**	**-.00305**	**.02096**
Stddev	.01358	.00177	.00058	.00004	.00027	.00	.00034	.00026	.00086	.0176	.00088	.00224	.01299
%RSD	215.98	970.94	.68711	4.8762	149.42	.00169	354.85	7.9832	31.356	.34451	322.99	73.605	61.986
#1	-.01589	.00144	.08455	.00081	-.00037	262.05	.00014	.00347	.00334	5.1166	.00035	-.00146	.03014
#2	.00331	-.00107	.08538	.00087	.00001	262.04	-.00033	.00310	.00213	5.0917	-.00089	-.00464	.01177
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04484**	**-.00039**	**.00045**	**4.8052**	**.00204**	**.00156**	**10.157**	**.00069**	**.00213**	**.02211**
Stddev	.02780	.00158	.00006	.0051	.00029	.00043	.009	.00034	.00005	.00158
%RSD	61.986	399.75	12.579	.10624	13.997	27.891	.08657	49.290	2.4499	7.1289
#1	.06450	.00072	.00049	4.8088	.00184	.00125	10.151	.00045	.00209	.02323
#2	.02519	-.00151	.00041	4.8016	.00224	.00186	10.163	.00093	.00217	.02100
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8391.6**	**105990.**	**8838.6**
Stddev	2.7	42.	17.4
%RSD	.03231	.03943	.19676
#1	8389.7	105960.	8850.9
#2	8393.6	106020.	8826.3

Sample Name: CCV-2357614 Acquired: 11/9/2013 2:46:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49879**	**.50915**	**1.0118**	**.51446**	**.50389**	**.49514**	**.00033**	**4.9761**	**.50989**	**.50614**	**.50133**	**.51305**	**2.3863**
Stddev	.00056	.00024	.0043	.00018	.00069	.00158	.00325	.0019	.00069	.00005	.00024	.00035	.0077
%RSD	.11217	.04777	.42240	.03541	.13772	.31896	993.75	.03741	.13534	.00913	.04836	.06773	.32473
#1	.49839	.50932	1.0088	.51459	.50340	.49402	-.00197	4.9748	.51038	.50617	.50150	.51280	2.3809
#2	.49919	.50898	1.0148	.51434	.50438	.49626	.00263	4.9775	.50940	.50611	.50116	.51329	2.3918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.659**	**1.0035**	**19.537**	**.49649**	**.51041**	**5.2728**	**.50802**	**1.0135**	**1.0316**	**.01190**	**1.0329**	**1.0165**	**4.8892**
Stddev	.119	.0002	.017	.00097	.00150	.0044	.00055	.0043	.0003	.00178	.0009	.0011	.0360
%RSD	.23071	.02106	.08742	.19559	.29475	.08350	.10904	.42710	.02948	14.941	.08780	.11017	.73700
#1	51.744	1.0034	19.549	.49718	.51147	5.2759	.50841	1.0166	1.0314	.01065	1.0322	1.0157	4.8637
#2	51.575	1.0037	19.525	.49580	.50935	5.2697	.50763	1.0105	1.0318	.01316	1.0335	1.0173	4.9147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.463**	**1.0139**	**.50020**	**-.00499**	**.50419**	**1.0295**	**.04274**	**.50433**	**.49488**	**.50453**
Stddev	.077	.0007	.00005	.00001	.00048	.0008	.01889	.00028	.00105	.00155
%RSD	.73700	.06870	.00946	.10279	.09451	.07914	44.210	.05478	.21226	.30801
#1	10.408	1.0134	.50017	-.00500	.50453	1.0289	.02938	.50414	.49414	.50343
#2	10.517	1.0144	.50024	-.00499	.50385	1.0300	.05610	.50453	.49563	.50563
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8596.1**	**109180.**	**8927.2**
Stddev	9.4	553.	51.9
%RSD	.10885	.50652	.58097
#1	8602.7	109580.	8890.5
#2	8589.5	108790.	8963.9

Sample Name: CCB Acquired: 11/9/2013 2:48:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00603**	**-.00196**	**.00216**	**-.00001**	**.00013**	**.00230**	**.00316**	**.00036**	**.00004**	**.00023**	**.00022**
Stddev	.00016	.00152	.00010	.00049	.00003	.00004	.00217	.00156	.00009	.00029	.00010	.00006
%RSD	69.021	25.280	5.0364	22.512	630.07	26.247	94.454	49.484	25.123	707.09	46.247	29.124
#1	.00012	.00711	-.00203	.00251	.00002	.00016	.00383	.00427	.00030	-.00016	.00030	.00027
#2	.00034	.00495	-.00189	.00182	-.00003	.00011	.00076	.00206	.00043	.00025	.00015	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01162**	**.04729**	**.00091**	W **.01670**	F **.00092**	**.00054**	**-.01409**	**-.00006**	**.00051**	**.00075**	**.02091**	F **.00642**
Stddev	.00028	.03219	.00099	.01923	.00111	.00002	.00850	.00025	.00112	.00055	.00127	.00219
%RSD	2.4218	68.067	109.40	115.15	120.61	4.0571	60.323	406.62	219.53	72.976	6.0865	34.117
#1	.01182	.02453	.00161	.00310	.00014	.00052	-.00808	-.00024	-.00028	.00114	.02001	.00487
#2	.01142	.07006	.00021	.03029	.00170	.00055	-.02010	.00011	.00130	.00036	.02181	.00797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01070	.00050							.00628
Low Limit				-.01070	-.00050							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00372**	**.02232**	**.04777**	**.00112**	**.00004**	**.00158**	F **.00571**	**-.00046**	**.01010**	**-.00002**	**.00453**	**.00222**
Stddev	.00160	.01604	.03433	.00058	.00006	.00133	.00648	.00056	.01794	.00066	.00020	.00033
%RSD	42.867	71.874	71.874	51.996	169.47	83.988	113.61	121.93	177.63	3457.5	4.4192	14.745
#1	.00260	.03366	.07204	.00153	.00008	.00064	.00112	-.00006	.02279	-.00049	.00439	.00199
#2	.00485	.01098	.02349	.00071	-.00001	.00252	.01029	-.00086	-.00259	.00045	.00467	.00245
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00100					
Low Limit							-.00100					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8537.5**	**109600.**	**8708.6**
Stddev	3.7	120.	79.8
%RSD	.04300	.10946	.91595
#1	8534.9	109680.	8652.2
#2	8540.1	109510.	8765.0

Sample Name: CCVL2367586 Acquired: 11/9/2013 2:51:14 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01002**	**.10863**	**.01396**	**.10171**	**.01006**	**.00115**	**.12575**	**.21817**	**.00542**	**.01049**	**.01056**	**.01599**	**.10943**
Stddev	.00008	.00060	.00225	.00044	.00002	.00006	.00154	.00199	.00007	.00023	.00012	.00055	.00227
%RSD	.76109	.55237	16.115	.43297	.23478	4.8647	1.2223	.91370	1.3439	2.1809	1.1407	3.4583	2.0785
#1	.01007	.10906	.01237	.10202	.01008	.00111	.12466	.21677	.00547	.01033	.01065	.01559	.11104
#2	.00997	.10821	.01556	.10140	.01004	.00119	.12684	.21958	.00537	.01065	.01048	.01638	.10782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1299**	F **.01321**	**.20728**	**.01037**	**.02078**	**1.0447**	**.04213**	**2.9811**	**.01059**	**.01765**	**.00989**	**.01612**	**.50502**
Stddev	.0258	.00219	.00028	.00003	.00028	.0145	.00006	.0070	.00040	.00225	.00013	.00054	.00854
%RSD	.82369	16.593	.13399	.26980	1.3617	1.3845	.15215	.23547	3.7987	12.734	1.3392	3.3617	1.6901
#1	3.1481	.01166	.20747	.01035	.02058	1.0549	.04209	2.9860	.01030	.01924	.00999	.01650	.51105
#2	3.1117	.01476	.20708	.01039	.02098	1.0345	.04218	2.9761	.01087	.01606	.00980	.01573	.49898
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0807**	**.10462**	**.01029**	**.01305**	**.01127**	**.01631**	F **.11505**	**.00973**	**.02538**	**.01726**
Stddev	.0183	.00067	.00012	.00073	.00021	.00054	.00126	.00030	.00062	.00069
%RSD	1.6901	.64318	1.1822	5.5666	1.8571	3.3027	1.0989	3.1193	2.4243	3.9785
#1	1.0937	.10510	.01020	.01254	.01142	.01669	.11416	.00995	.02494	.01775
#2	1.0678	.10415	.01037	.01357	.01112	.01593	.11594	.00952	.02581	.01677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8656.6**	**111050.**	**8929.2**
Stddev	16.4	103.	8.3
%RSD	.18910	.09270	.09272
#1	8668.2	110980.	8923.4
#2	8645.1	111120.	8935.1

Sample Name: 280-48909-a-5-a Acquired: 11/9/2013 2:53:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00278**	**44.471**	**.01596**	**.00229**	**.61594**	**.00118**	**.00184**	**61.153**	**.00043**	**.08398**
Stddev	.00001	.033	.00169	.00073	.00025	.00004	.00266	.061	.00030	.00081
%RSD	.35282	.07495	10.587	31.720	.04118	3.7839	144.66	.09906	69.643	.96342
#1	-.00279	44.448	.01476	.00281	.61612	.00122	.00372	61.110	.00022	.08340
#2	-.00277	44.495	.01715	.00178	.61576	.00115	-.00004	61.196	.00064	.08455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04944**	**.13798**	**226.48**	**6.4505**	**.04571**	**42.279**	**2.7905**	**.00270**	**2.6097**	**.09820**
Stddev	.00016	.00051	.49	.0363	.00077	.066	.0164	.00016	.0193	.00021
%RSD	.32374	.36694	.21476	.56293	1.6951	.15640	.58841	6.0278	.73829	.21788
#1	.04932	.13762	226.14	6.4762	.04625	42.233	2.8021	.00282	2.6233	.09805
#2	.04955	.13834	226.83	6.4248	.04516	42.326	2.7789	.00259	2.5961	.09835
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.754**	**.02522**	**.92550**	**-.00305**	**.00016**	**1.0328**	**2.2102**	**.02124**	**.22204**	**.02919**
Stddev	.003	.00080	.00223	.00026	.00276	.0143	.0305	.00115	.00021	.00160
%RSD	.02821	3.1806	.24124	8.5338	1733.8	1.3795	1.3795	5.3934	.09342	5.4975
#1	10.752	.02465	.92392	-.00286	-.00179	1.0429	2.2317	.02205	.22219	.03033
#2	10.757	.02578	.92708	-.00323	.00211	1.0227	2.1886	.02043	.22190	.02806
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.579**	**-.00450**	F **-.10867**	**.58788**	**.39969**	**.21755**
Stddev	.245	.00232	.01758	.00025	.00036	.00051
%RSD	1.2489	51.647	16.181	.04233	.09037	.23465
#1	19.752	-.00614	-.12111	.58770	.39994	.21719
#2	19.406	-.00286	-.09624	.58805	.39943	.21791
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9448.9**	**120330.**	**10085.**
Stddev	15.4	121.	15.
%RSD	.16303	.10021	.14725
#1	9438.0	120240.	10096.
#2	9459.8	120410.	10075.

Sample Name: 280-48909-a-6-a Acquired: 11/9/2013 2:55:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**42.083**	**.01376**	**.00214**	**.54491**	**.00098**	**.00416**	**51.828**	**.00051**	**.06254**
Stddev	.00018	.049	.00052	.00018	.00020	.00004	.00228	.154	.00010	.00003
%RSD	9.2132	.11655	3.7529	8.3846	.03647	4.5613	54.802	.29630	18.858	.04945
#1	-.00184	42.117	.01412	.00227	.54505	.00095	.00255	51.937	.00058	.06251
#2	-.00209	42.048	.01339	.00202	.54477	.00101	.00577	51.720	.00044	.06256
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04917**	**.11801**	**172.86**	**5.9150**	**.04827**	**32.804**	**2.1762**	**.00209**	**2.7684**	**.07264**
Stddev	.00019	.00041	.67	.0603	.00055	.198	.0062	.00002	.0007	.00028
%RSD	.39575	.34626	.38512	1.0200	1.1486	.60363	.28505	.94943	.02505	.38778
#1	.04930	.11830	173.33	5.8723	.04788	32.944	2.1805	.00211	2.7689	.07284
#2	.04903	.11773	172.39	5.9577	.04866	32.664	2.1718	.00208	2.7679	.07244
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3368**	**.02264**	**.69297**	**-.00409**	**-.00079**	**.98026**	**2.0978**	**.01796**	**.18221**	**.02510**
Stddev	.0062	.00096	.00052	.00211	.00237	.04465	.0956	.00043	.00005	.00152
%RSD	.07429	4.2298	.07525	51.489	300.90	4.5553	4.5553	2.3934	.02491	6.0669
#1	8.3412	.02196	.69260	-.00558	.00089	1.0118	2.1653	.01766	.18225	.02402
#2	8.3324	.02332	.69334	-.00260	-.00247	.94869	2.0302	.01827	.18218	.02618
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.361**	**-.00247**	W **-.09002**	**.44156**	**.31759**	**.17146**
Stddev	.124	.00013	.02275	.00051	.00413	.00119
%RSD	.80830	5.1459	25.276	.11641	1.2989	.69141
#1	15.448	-.00256	-.07393	.44192	.32051	.17230
#2	15.273	-.00238	-.10611	.44120	.31468	.17062
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9237.3**	**116830.**	**9819.6**
Stddev	3.2	144.	59.3
%RSD	.03517	.12339	.60381
#1	9239.6	116730.	9777.7
#2	9235.0	116930.	9861.5

Sample Name: 280-48909-a-7-a Acquired: 11/9/2013 2:58:17 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00217**	**43.163**	**.01964**	**.00124**	**.60482**	**.00119**	**.00052**	**58.486**	**.00070**	**.07243**
Stddev	.00012	.213	.00149	.00028	.00202	.00006	.00146	.298	.00003	.00025
%RSD	5.7234	.49250	7.5832	22.514	.33473	5.1599	282.89	.50910	4.6180	.34778
#1	-.00226	43.313	.02069	.00144	.60625	.00114	-.00052	58.697	.00073	.07225
#2	-.00209	43.013	.01859	.00104	.60338	.00123	.00155	58.276	.00068	.07261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**.12029**	**201.07**	**5.5432**	**.04753**	**38.268**	**2.6697**	**.00220**	**2.2937**	**.09180**
Stddev	.00026	.00103	1.41	.0516	.00072	.379	.0078	.00030	.0209	.00012
%RSD	.50870	.85528	.70182	.93057	1.5046	.98925	.29384	13.704	.91076	.13207
#1	.05139	.12101	202.07	5.5797	.04703	38.535	2.6752	.00241	2.3084	.09171
#2	.05176	.11956	200.07	5.5067	.04804	38.000	2.6641	.00199	2.2789	.09189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.9578**	**.02793**	**.67247**	**-.00252**	**-.00241**	**1.1797**	**2.5245**	**.01888**	**.20510**	**.02338**
Stddev	.0031	.00058	.00182	.00374	.00031	.0322	.0689	.00014	.00094	.00002
%RSD	.03487	2.0785	.27000	148.54	13.050	2.7298	2.7298	.74709	.45842	.09112
#1	8.9556	.02752	.67118	.00013	-.00263	1.2024	2.5732	.01878	.20576	.02336
#2	8.9601	.02834	.67375	-.00516	-.00219	1.1569	2.4758	.01898	.20443	.02339
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.888**	**-.00376**	F **-.10144**	**.49780**	**.33865**	**.20210**
Stddev	.043	.00055	.01971	.00647	.00509	.00139
%RSD	.25308	14.484	19.428	1.2988	1.5028	.68809
#1	16.858	-.00338	-.08750	.50237	.34225	.20309
#2	16.919	-.00415	-.11537	.49323	.33505	.20112
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9143.8**	**118200.**	**9804.2**
Stddev	.4	564.	17.4
%RSD	.00492	.47749	.17758
#1	9144.1	117800.	9791.9
#2	9143.5	118600.	9816.5

Sample Name: 280-48909-a-8-a Acquired: 11/9/2013 3:00:43 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00269**	**51.654**	**.01414**	**.00135**	**.80112**	**.00125**	**.00352**	**75.051**	**.00070**	**.08557**
Stddev	.00004	.059	.00147	.00061	.00011	.00004	.00420	.041	.00023	.00004
%RSD	1.3467	.11436	10.428	45.102	.01399	2.8344	119.26	.05427	33.298	.05013
#1	-.00271	51.612	.01518	.00179	.80120	.00127	.00055	75.022	.00087	.08560
#2	-.00266	51.695	.01310	.00092	.80104	.00122	.00649	75.080	.00054	.08554
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07890**	**.13697**	**241.18**	**9.4249**	**.06913**	**47.072**	**3.0928**	**.00343**	**2.5873**	**.10135**
Stddev	.00011	.00047	.03	.0054	.00163	.038	.0137	.00020	.0176	.00039
%RSD	.14143	.34464	.01137	.05739	2.3620	.07980	.44143	5.7463	.67863	.38238
#1	.07883	.13663	241.16	9.4211	.06798	47.099	3.0832	.00357	2.5749	.10163
#2	.07898	.13730	241.20	9.4288	.07029	47.045	3.1025	.00329	2.5998	.10108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.605**	**.02854**	**.88132**	**-.00335**	**-.00110**	**1.0633**	**2.2755**	**.02658**	**.27410**	**.03249**
Stddev	.031	.00026	.00224	.00363	.00190	.0072	.0154	.00074	.00031	.00091
%RSD	.28829	.89474	.25373	108.31	172.95	.67512	.67512	2.7840	.11381	2.7872
#1	10.627	.02872	.87974	-.00078	.00024	1.0582	2.2646	.02606	.27388	.03185
#2	10.584	.02836	.88290	-.00592	-.00244	1.0684	2.2863	.02710	.27432	.03313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.554**	**-.00199**	F **-.13974**	**.66334**	**.44259**	**.21504**
Stddev	.141	.00010	.03445	.00235	.00003	.00679
%RSD	.60045	5.1574	24.650	.35481	.00606	3.1554
#1	23.454	-.00206	-.11538	.66167	.44261	.21024
#2	23.654	-.00192	-.16410	.66500	.44257	.21984
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9252.1**	**116390.**	**9805.2**
Stddev	25.8	220.	10.0
%RSD	.27853	.18937	.10202
#1	9233.9	116550.	9798.1
#2	9270.3	116240.	9812.3

Sample Name: 280-48909-a-9-a Acquired: 11/9/2013 3:03:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00257**	**42.956**	**.01153**	**.00094**	**.62917**	**.00108**	**.00569**	**62.223**	**.00064**	**.07588**
Stddev	.00050	.045	.00023	.00050	.00191	.00004	.00113	.190	.00003	.00004
%RSD	19.452	.10517	1.9692	52.859	.30419	3.5302	19.936	.30544	4.5323	.05675
#1	-.00292	42.924	.01169	.00059	.62782	.00111	.00649	62.089	.00062	.07585
#2	-.00221	42.988	.01137	.00129	.63053	.00105	.00488	62.357	.00066	.07591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04195**	**.12891**	**213.75**	**5.6774**	**.04292**	**35.532**	**2.6612**	**.00242**	**2.7790**	**.06707**
Stddev	.00009	.00010	.47	.0396	.00072	.013	.0167	.00014	.0011	.00002
%RSD	.22437	.07602	.22094	.69774	1.6872	.03612	.62749	5.9432	.03907	.02657
#1	.04188	.12885	213.41	5.6494	.04241	35.541	2.6494	.00232	2.7782	.06708
#2	.04202	.12898	214.08	5.7054	.04344	35.522	2.6730	.00252	2.7798	.06706
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3362**	**.02269**	**.84947**	**-.00446**	**-.00182**	**.82269**	**1.7606**	**.02131**	**.21442**	**.02922**
Stddev	.0210	.00023	.00026	.00340	.00019	.00269	.0058	.00039	.00021	.00253
%RSD	.22533	1.0064	.03045	76.146	10.703	.32726	.32726	1.8198	.09667	8.6539
#1	9.3213	.02285	.84929	-.00206	-.00196	.82459	1.7646	.02104	.21427	.02744
#2	9.3511	.02252	.84965	-.00686	-.00168	.82079	1.7565	.02158	.21456	.03101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **20.100**	**-.00448**	F **-.11012**	**.58338**	**.37628**	**.19974**
Stddev	.075	.00032	.00907	.00122	.00070	.00032
%RSD	.37086	7.1969	8.2401	.20837	.18727	.16045
#1	20.048	-.00425	-.11653	.58424	.37678	.19996
#2	20.153	-.00471	-.10370	.58252	.37578	.19951
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9297.7**	**117320.**	**9712.4**
Stddev	26.0	17.	15.7
%RSD	.27996	.01428	.16183
#1	9316.1	117330.	9723.5
#2	9279.3	117310.	9701.3

Sample Name: 280-48909-a-10-a Acquired: 11/9/2013 3:05:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00346**	**44.989**	**.01605**	**.00091**	**.69364**	**.00099**	**.00172**	**60.997**	**.00021**	**.09046**
Stddev	.00010	.071	.00140	.00035	.00046	.00002	.00528	.093	.00009	.00103
%RSD	2.9072	.15834	8.6932	38.481	.06563	1.8875	306.67	.15245	43.256	1.1337
#1	-.00353	45.040	.01704	.00066	.69396	.00101	.00546	61.062	.00015	.08974
#2	-.00339	44.939	.01506	.00116	.69332	.00098	-.00201	60.931	.00028	.09119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05106**	**.14692**	**256.88**	**6.6320**	**.04969**	**44.145**	**3.0380**	**.00351**	**2.7986**	**.08640**
Stddev	.00001	.00038	.50	.0559	.00383	.008	.0059	.00009	.0058	.00035
%RSD	.02383	.26159	.19517	.84276	7.7161	.01915	.19565	2.6394	.20632	.40232
#1	.05105	.14665	257.23	6.6715	.05241	44.150	3.0338	.00345	2.8027	.08615
#2	.05107	.14720	256.52	6.5925	.04698	44.139	3.0422	.00358	2.7945	.08665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.317**	**.02656**	**1.0322**	**-.00560**	**-.00305**	**1.0825**	**2.3166**	**.02694**	**.21686**	**.02945**
Stddev	.003	.00094	.0053	.00030	.00529	.0355	.0760	.00130	.00038	.00071
%RSD	.02229	3.5315	.51724	5.3833	173.62	3.2823	3.2823	4.8424	.17691	2.4049
#1	11.315	.02722	1.0284	-.00581	.00069	1.0574	2.2628	.02787	.21659	.02996
#2	11.318	.02590	1.0359	-.00539	-.00679	1.1076	2.3704	.02602	.21713	.02895
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **24.921**	**-.00348**	F **-.13554**	**.73011**	**.44788**	**.24115**
Stddev	.387	.00049	.01342	.00102	.00043	.00013
%RSD	1.5537	14.116	9.9005	.13969	.09514	.05325
#1	25.195	-.00314	-.12605	.72939	.44818	.24124
#2	24.647	-.00383	-.14503	.73083	.44758	.24106
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9417.8**	**118520.**	**9966.7**
Stddev	1.5	206.	72.4
%RSD	.01611	.17384	.72609
#1	9418.8	118370.	9915.6
#2	9416.7	118660.	10018.

Sample Name: 280-48909-a-11-a Acquired: 11/9/2013 3:08:10 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00260**	**41.986**	**.01142**	**.00162**	**.64414**	**.00098**	**.00618**	**57.175**	**.00043**	**.07652**
Stddev	.00051	.217	.00036	.00054	.00195	.00001	.00215	.195	.00022	.00058
%RSD	19.440	.51630	3.1779	33.593	.30347	.56819	34.794	.34091	51.318	.75602
#1	-.00224	42.140	.01168	.00201	.64552	.00098	.00466	57.313	.00059	.07693
#2	-.00296	41.833	.01116	.00124	.64276	.00098	.00770	57.037	.00028	.07612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04856**	**.12422**	**200.96**	**5.6944**	**.04362**	**36.188**	**2.6347**	**.00261**	**2.6746**	**.07848**
Stddev	.00015	.00031	.63	.0155	.00022	.124	.0008	.00041	.0197	.00029
%RSD	.31297	.24929	.31213	.27222	.51265	.34248	.02955	15.770	.73476	.36930
#1	.04867	.12400	201.40	5.7053	.04346	36.276	2.6352	.00290	2.6607	.07869
#2	.04845	.12444	200.51	5.6834	.04378	36.101	2.6341	.00232	2.6885	.07828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2181**	**.02231**	**.81514**	**-.00471**	**.00010**	**.97950**	**2.0961**	**.02081**	**.21049**	**.02753**
Stddev	.0326	.00110	.00084	.00106	.00193	.02117	.0453	.00035	.00068	.00013
%RSD	.35317	4.9146	.10283	22.548	1994.8	2.1608	2.1608	1.6641	.32324	.47527
#1	9.2411	.02308	.81455	-.00396	.00146	.96453	2.0641	.02056	.21097	.02762
#2	9.1950	.02153	.81574	-.00547	-.00127	.99447	2.1282	.02105	.21000	.02744
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.491**	**-.00366**	W **-.09622**	**.55572**	**.35976**	**.20403**
Stddev	.041	.00027	.00597	.00022	.00107	.00099
%RSD	.21073	7.4036	6.2047	.03979	.29650	.48367
#1	19.462	-.00385	-.10044	.55587	.36051	.20473
#2	19.520	-.00346	-.09200	.55556	.35900	.20334
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9181.8**	**116050.**	**9618.0**
Stddev	17.9	463.	40.5
%RSD	.19539	.39928	.42058
#1	9169.2	115720.	9589.3
#2	9194.5	116380.	9646.6

Sample Name: 280-48909-a-12-a Acquired: 11/9/2013 3:10:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00296**	**39.405**	**.01498**	**.00339**	**.62501**	**.00085**	**.00284**	**57.662**	**.00047**	**.08253**
Stddev	.00029	.116	.00159	.00011	.00133	.00003	.00420	.129	.00028	.00107
%RSD	9.7518	.29364	10.621	3.3259	.21205	3.4702	147.79	.22424	59.069	1.2963
#1	-.00275	39.487	.01386	.00347	.62595	.00087	.00581	57.753	.00067	.08178
#2	-.00316	39.323	.01611	.00331	.62407	.00083	-.00013	57.570	.00027	.08329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04419**	**.13072**	**229.88**	**4.8878**	**.03603**	**38.568**	**2.7389**	**.00270**	**2.3022**	**.08506**
Stddev	.00032	.00005	.02	.0258	.00186	.084	.0034	.00012	.0108	.00037
%RSD	.72561	.04039	.00730	.52828	5.1599	.21672	.12439	4.3830	.46735	.43287
#1	.04397	.13075	229.87	4.9061	.03735	38.627	2.7365	.00261	2.3098	.08480
#2	.04442	.13068	229.90	4.8695	.03472	38.509	2.7413	.00278	2.2945	.08532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.511**	**.02259**	**1.0068**	**-.00557**	**-.00209**	**1.1730**	**2.5102**	**.02476**	**.21223**	**.02611**
Stddev	.004	.00015	.0018	.00017	.00124	.0344	.0737	.00118	.00007	.00242
%RSD	.04080	.66875	.17969	3.0535	59.289	2.9357	2.9357	4.7788	.03369	9.2537
#1	10.514	.02269	1.0055	-.00545	-.00122	1.1974	2.5623	.02559	.21218	.02440
#2	10.508	.02248	1.0081	-.00569	-.00297	1.1487	2.4581	.02392	.21228	.02782
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.076**	**-.00371**	W **-.08217**	**.66655**	**.39476**	**.22125**
Stddev	.434	.00000	.03520	.00116	.00045	.00052
%RSD	1.8823	.13103	42.842	.17344	.11278	.23647
#1	23.383	-.00371	-.05728	.66737	.39507	.22162
#2	22.769	-.00372	-.10706	.66574	.39444	.22088
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		45.000			
Low Limit	-.01000		-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9341.9**	**118450.**	**9928.3**
Stddev	32.7	711.	86.3
%RSD	.34993	.59986	.86899
#1	9318.8	117940.	9867.3
#2	9365.0	118950.	9989.3

Sample Name: 280-48909-a-13-a Acquired: 11/9/2013 3:13:06 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**43.214**	**.01300**	**.00094**	**.62725**	**.00101**	**.00334**	**61.290**	**.00048**	**.08657**
Stddev	.00094	.082	.00301	.00000	.00048	.00007	.00223	.035	.00005	.00048
%RSD	34.711	.18935	23.147	.23997	.07731	7.1336	66.631	.05698	10.253	.55274
#1	-.00336	43.156	.01087	.00094	.62690	.00106	.00492	61.265	.00044	.08623
#2	-.00204	43.272	.01513	.00094	.62759	.00096	.00177	61.315	.00051	.08691
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04976**	**.14106**	**245.16**	**5.8922**	**.04504**	**40.891**	**2.8895**	**.00299**	**2.7951**	**.07580**
Stddev	.00027	.00120	.29	.0413	.00083	.056	.0535	.00020	.0078	.00035
%RSD	.53593	.85189	.11663	.70000	1.8391	.13738	1.8528	6.7655	.27856	.46153
#1	.04994	.14191	244.95	5.8630	.04563	40.931	2.8517	.00284	2.7895	.07555
#2	.04957	.14021	245.36	5.9214	.04446	40.851	2.9274	.00313	2.8006	.07605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.551**	**.02501**	**.98718**	**-.00507**	W **-.00594**	**1.1805**	**2.5262**	**.02372**	**.22975**	**.02970**
Stddev	.018	.00086	.00115	.00072	.00191	.0118	.0254	.00049	.00039	.00075
%RSD	.16663	3.4295	.11698	14.300	32.071	1.0035	1.0035	2.0587	.17156	2.5213
#1	10.564	.02440	.98799	-.00455	-.00729	1.1889	2.5441	.02407	.22947	.03023
#2	10.539	.02561	.98636	-.00558	-.00459	1.1721	2.5083	.02338	.23003	.02917
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **23.536**	**-.00342**	F **-.13187**	**.68582**	**.43179**	**.23067**
Stddev	.150	.00088	.01128	.00110	.00179	.00014
%RSD	.63693	25.747	8.5565	.16047	.41541	.06098
#1	23.642	-.00279	-.12390	.68504	.43052	.23077
#2	23.430	-.00404	-.13985	.68659	.43306	.23057
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9427.7**	**120000.**	**10023.**
Stddev	24.7	489.	14.
%RSD	.26174	.40748	.13961
#1	9445.2	120350.	10033.
#2	9410.3	119660.	10013.

Sample Name: 280-48909-a-14-a Acquired: 11/9/2013 3:15:36 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199789 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**2.0422**	**.00379**	**.00241**	**.01994**	**.00072**	**-.00250**	**.37444**	**.00026**	**.00175**
Stddev	.00053	.0000	.00279	.00082	.00014	.00001	.00092	.00189	.00004	.00019
%RSD	165.86	.00148	73.494	34.036	.72504	1.7365	36.636	.50580	14.126	10.800
#1	-.00069	2.0422	.00182	.00299	.02004	.00073	-.00185	.37578	.00024	.00162
#2	.00005	2.0422	.00576	.00183	.01984	.00071	-.00315	.37310	.00029	.00189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.00434**	**7.2090**	**.67001**	**.00359**	**.34137**	**.06631**	**.00056**	**.04291**	**.00252**
Stddev	.00001	.00011	.0000	.05760	.00195	.00206	.00028	.00004	.00593	.00031
%RSD	.29290	2.5890	.00052	8.5966	54.375	.60408	.42376	6.5735	13.823	12.106
#1	.00203	.00426	7.2090	.71074	.00221	.33991	.06612	.00053	.03872	.00230
#2	.00203	.00442	7.2091	.62928	.00498	.34282	.06651	.00058	.04711	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07894**	**.00563**	**.04697**	**-.00015**	**.00479**	**.88404**	**1.8918**	**.00260**	**.00488**	**.01423**
Stddev	.00078	.00194	.00340	.00082	.00085	.02988	.0639	.00139	.00010	.00143
%RSD	.98512	34.526	7.2449	564.29	17.674	3.3796	3.3796	53.545	2.0464	10.027
#1	.07949	.00425	.04456	.00044	.00419	.90516	1.9370	.00161	.00495	.01524
#2	.07839	.00700	.04937	-.00073	.00539	.86291	1.8466	.00358	.00481	.01322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10532**	**-.00046**	**-.04841**	**.00679**	**.01565**	**.01185**
Stddev	.00025	.00044	.00765	.00044	.00027	.00061
%RSD	.23633	94.904	15.808	6.5247	1.7364	5.1344
#1	.10514	-.00015	-.05382	.00710	.01546	.01228
#2	.10549	-.00077	-.04300	.00647	.01585	.01142
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8733.9**	**111910.**	**8828.6**
Stddev	11.1	85.	31.3
%RSD	.12726	.07558	.35455
#1	8726.1	111970.	8850.7
#2	8741.8	111850.	8806.5

Sample Name: CCVH-2357613 Acquired: 11/9/2013 3:17:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00377**	**50.059**	**.00390**	**.00464**	**.00030**	**.00010**	**1.0235**	**.00989**	**-.00004**	**-.00051**	**-.00010**	**.00882**	**47.889**
Stddev	.00002	.127	.00062	.00001	.00007	.00001	.0064	.00053	.00006	.00009	.00010	.00053	.092
%RSD	.60910	.25452	15.990	.12761	22.541	9.4107	.62502	5.3442	144.02	17.987	102.49	6.0540	.19203
#1	.00378	49.969	.00346	.00463	.00025	.00011	1.0190	.01027	-.00009	-.00044	-.00017	.00920	47.954
#2	.00375	50.150	.00434	.00464	.00035	.00009	1.0280	.00952	.00000	-.00057	-.00003	.00845	47.824
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01948**	**.00553**	**.08030**	**.00054**	**-.00037**	**260.76**	**.00014**	**.00188**	**.00181**	**5.0464**	**.00084**	**-.00168**	**.01708**
Stddev	.07227	.00036	.00000	.00006	.00006	.17	.00001	.00092	.00116	.0183	.00423	.00234	.00273
%RSD	370.97	6.5550	.00337	11.123	16.928	.06676	3.7333	49.128	63.897	.36250	506.34	139.18	15.975
#1	.07058	.00578	.08030	.00049	-.00033	260.64	.00014	.00254	.00099	5.0335	-.00216	-.00334	.01515
#2	-.03162	.00527	.08031	.00058	-.00042	260.89	.00014	.00123	.00263	5.0593	.00383	-.00003	.01901
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03655**	**-.00052**	**.00034**	**4.8313**	**-.00276**	**.00183**	**10.169**	**.00054**	**.00215**	**.01969**
Stddev	.00584	.00060	.00002	.0044	.00027	.00083	.033	.00007	.00014	.00383
%RSD	15.975	116.96	5.8965	.09027	9.7106	45.276	.32241	12.415	6.4015	19.467
#1	.03242	-.00009	.00033	4.8282	-.00257	.00242	10.192	.00059	.00206	.02240
#2	.04068	-.00094	.00035	4.8344	-.00295	.00125	10.146	.00049	.00225	.01698
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8287.1**	**103220.**	**8607.6**
Stddev	32.9	197.	52.6
%RSD	.39741	.19096	.61122
#1	8263.9	103080.	8644.8
#2	8310.4	103360.	8570.4

Sample Name: CCV-2357614 Acquired: 11/9/2013 3:20:18 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50116**	**.50890**	**1.0096**	**.51148**	**.50528**	**.49295**	**.00382**	**4.9714**	**.50832**	**.50468**	**.50042**	**.51387**	**2.3796**
Stddev	.00025	.00080	.0055	.00035	.00032	.00049	.00222	.0130	.00156	.00051	.00113	.00018	.0102
%RSD	.04991	.15802	.53975	.06823	.06296	.09886	58.019	.26085	.30691	.10057	.22546	.03589	.42994
#1	.50098	.50833	1.0134	.51173	.50551	.49330	.00539	4.9805	.50943	.50504	.50122	.51400	2.3868
#2	.50134	.50947	1.0057	.51123	.50506	.49261	.00225	4.9622	.50722	.50432	.49962	.51374	2.3724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.790**	**1.0068**	**19.644**	**.49832**	**.50963**	**5.2648**	**.50764**	**1.0076**	**1.0326**	**.00825**	**1.0289**	**1.0151**	**4.8685**
Stddev	.052	.0032	.009	.00044	.00354	.0058	.00033	.0072	.0090	.00167	.0069	.0014	.0002
%RSD	.10036	.32099	.04614	.08916	.69466	.10993	.06571	.71548	.86833	20.270	.67290	.13756	.00460
#1	51.827	1.0045	19.638	.49801	.51213	5.2689	.50787	1.0127	1.0389	.00943	1.0338	1.0142	4.8686
#2	51.754	1.0091	19.650	.49864	.50712	5.2607	.50740	1.0025	1.0263	.00706	1.0240	1.0161	4.8683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.419**	**1.0156**	**.50087**	**-.00253**	**.50371**	**1.0285**	**.01314**	**.50513**	**.49569**	**.50465**
Stddev	.000	.0026	.00080	.00016	.00050	.0020	.02849	.00091	.00043	.00082
%RSD	.00460	.25447	.15924	6.1295	.09972	.19330	216.78	.18043	.08681	.16318
#1	10.419	1.0174	.50144	-.00242	.50406	1.0299	-.00700	.50577	.49599	.50523
#2	10.418	1.0138	.50031	-.00264	.50335	1.0271	.03328	.50448	.49538	.50406
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8504.1**	**108090.**	**8699.3**
Stddev	.7	217.	.4
%RSD	.00871	.20115	.00489
#1	8503.6	108250.	8699.6
#2	8504.6	107940.	8699.0

Sample Name: CCB Acquired: 11/9/2013 3:22:25 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00260**	**.00167**	**.00130**	**-.00025**	**.00017**	**-.00063**	**.00314**	**.00041**	**-.00012**	**.00021**	**.00017**
Stddev	.00004	.00030	.00003	.00040	.00036	.00000	.00102	.00136	.00009	.00009	.00016	.00037
%RSD	8.6226	11.354	2.0537	30.939	141.97	1.9263	163.25	43.224	22.363	70.871	73.725	210.67
#1	.00044	.00239	.00164	.00159	-.00051	.00017	-.00135	.00218	.00035	-.00018	.00032	.00043
#2	.00039	.00281	.00169	.00102	.00000	.00018	.00010	.00410	.00048	-.00006	.00010	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.00692**	**.00123**	**.00092**	**.00011**	**.00053**	**-.02832**	**-.00034**	**.00063**	**.00049**	**.01692**	W **.00610**
Stddev	.00022	.03651	.00366	.00067	.00006	.00015	.00547	.00017	.00115	.00013	.00144	.00148
%RSD	2.6218	527.39	298.15	73.507	53.173	29.051	19.305	49.048	181.47	26.522	8.5153	24.236
#1	.00851	.03274	-.00136	.00044	.00007	.00042	-.03219	-.00045	-.00018	.00058	.01793	.00715
#2	.00820	-.01890	.00381	.00139	.00015	.00063	-.02446	-.00022	.00145	.00040	.01590	.00506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00308**	**-.00029**	**-.00062**	**.00001**	**-.00001**	**-.00002**	F **.00103**	**.00027**	**.03897**	**-.00046**	**.00428**	**.00151**
Stddev	.00372	.00774	.01656	.00058	.00002	.00076	.00005	.00015	.00060	.00033	.00041	.00040
%RSD	120.85	2670.8	2670.8	4059.1	181.46	4957.3	4.5013	56.376	1.5390	71.631	9.6630	26.175
#1	.00570	.00518	.01109	-.00039	-.00002	-.00055	.00107	.00038	.03939	-.00070	.00457	.00123
#2	.00045	-.00576	-.01233	.00042	.00000	.00052	.00100	.00016	.03854	-.00023	.00399	.00179
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00100					
Low Limit							-.00100					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8524.1**	**109970.**	**8659.1**
Stddev	25.1	93.	2.6
%RSD	.29419	.08437	.02979
#1	8541.8	109900.	8661.0
#2	8506.3	110030.	8657.3

Sample Name: CCVL2367586 Acquired: 11/9/2013 3:24:42 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01029**	**.10672**	**.01469**	**.10084**	**.01020**	**.00109**	**.12704**	**.21580**	**.00543**	**.01032**	**.01051**	**.01572**	**.10299**
Stddev	.00009	.00038	.00212	.00041	.00004	.00002	.00071	.00234	.00023	.00004	.00013	.00000	.00534
%RSD	.90973	.35156	14.406	.40913	.39667	1.5341	.55573	1.0859	4.2792	.39107	1.2514	.01848	5.1895
#1	.01035	.10646	.01619	.10055	.01017	.00110	.12654	.21745	.00526	.01029	.01041	.01572	.09921
#2	.01022	.10699	.01319	.10113	.01023	.00108	.12754	.21414	.00559	.01035	.01060	.01571	.10677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1810**	**.01243**	**.20656**	**.01039**	**.02070**	**1.0489**	**.04193**	**2.9594**	**.01020**	**.01669**	**.00780**	**.01755**	**.49276**
Stddev	.0275	.00065	.00168	.00003	.00006	.0021	.00055	.0107	.00042	.00086	.00041	.00182	.01926
%RSD	.86516	5.2562	.81142	.29089	.27189	.19639	1.3019	.36072	4.0943	5.1472	5.2350	10.359	3.9078
#1	3.2005	.01289	.20537	.01041	.02066	1.0503	.04155	2.9518	.00991	.01730	.00808	.01626	.50637
#2	3.1616	.01196	.20774	.01036	.02074	1.0474	.04232	2.9669	.01050	.01608	.00751	.01883	.47914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0545**	**.10522**	**.01036**	**.01318**	**.01093**	**.01618**	F **.13934**	**.00963**	**.02586**	**.01709**
Stddev	.0412	.00014	.00012	.00025	.00004	.00027	.01438	.00008	.00049	.00092
%RSD	3.9078	.13401	1.1870	1.8895	.34828	1.6778	10.322	.84206	1.8784	5.4100
#1	1.0836	.10512	.01045	.01300	.01090	.01637	.14951	.00957	.02551	.01644
#2	1.0254	.10532	.01027	.01336	.01095	.01599	.12917	.00968	.02620	.01775
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8671.9**	**110730.**	**8777.4**
Stddev	11.0	294.	24.4
%RSD	.12712	.26574	.27828
#1	8679.7	110940.	8760.1
#2	8664.1	110530.	8794.7

Sample Name: mb 280-199790/1-a Acquired: 11/9/2013 3:27:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00946**	**.00235**	**.00113**	**.00025**	**.00014**	**.00240**	**.07256**	**.00057**	**-.00032**
Stddev	.00080	.00362	.00203	.00010	.00047	.00004	.00048	.00312	.00018	.00003
%RSD	642.07	38.305	86.188	8.4444	183.45	29.001	20.072	4.3037	31.128	11.017
#1	-.00069	.00690	.00379	.00106	-.00008	.00011	.00206	.07477	.00045	-.00034
#2	.00044	.01202	.00092	.00120	.00058	.00017	.00275	.07035	.00070	-.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00097**	**.01803**	**.09472**	**.00317**	**.01069**	**.00037**	**.00031**	**.01360**	**.00041**
Stddev	.00003	.00036	.00244	.00867	.00186	.00227	.00000	.00010	.00440	.00007
%RSD	11.664	37.029	13.539	9.1565	58.886	21.237	1.0407	31.303	32.341	18.182
#1	.00027	.00071	.01976	.08859	.00185	.01230	.00037	.00024	.01671	.00036
#2	.00032	.00122	.01631	.10085	.00448	.00909	.00038	.00038	.01049	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00477**	**.00089**	W **.05377**	**-.00087**	**.00256**	**.02499**	**.05348**	**.00383**	**.00060**	**-.00106**
Stddev	.00161	.00066	.00047	.00211	.00255	.01405	.03006	.00028	.00002	.00175
%RSD	33.742	74.141	.87747	243.69	99.605	56.206	56.206	7.3426	2.9750	164.87
#1	.00363	.00135	.05411	.00063	.00436	.01506	.03223	.00402	.00062	.00018
#2	.00590	.00042	.05344	-.00236	.00076	.03492	.07473	.00363	.00059	-.00230
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**-.00138**	**.04348**	**-.00023**	**.00524**	**.00290**
Stddev	.00015	.00021	.05844	.00056	.00017	.00058
%RSD	14.659	14.890	134.39	246.00	3.1776	19.902
#1	.00089	-.00153	.00216	.00017	.00536	.00331
#2	.00110	-.00124	.08480	-.00063	.00512	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8800.6**	**113560.**	**9100.1**
Stddev	15.1	183.	34.2
%RSD	.17196	.16143	.37586
#1	8789.9	113690.	9075.9
#2	8811.3	113430.	9124.3

Sample Name: lcs 280-199790/2-a Acquired: 11/9/2013 3:29:18 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04796**	**1.8620**	**.97316**	**.95706**	**1.9884**	**.04815**	**2.2503**	**47.555**	**.10188**	**.48327**
Stddev	.00015	.0004	.00145	.00268	.0098	.00049	.0060	.286	.00007	.00047
%RSD	.31915	.02030	.14859	.27980	.49284	1.0145	.26519	.60104	.06712	.09792
#1	.04785	1.8617	.97419	.95516	1.9815	.04780	2.2460	47.353	.10192	.48361
#2	.04807	1.8622	.97214	.95895	1.9954	.04849	2.2545	47.757	.10183	.48294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19621**	**.25312**	**.91943**	**50.952**	**.98462**	**46.917**	**.47903**	**.98844**	**53.082**	**.48503**
Stddev	.00025	.00082	.00414	.340	.00249	.019	.00027	.00038	.207	.00079
%RSD	.12501	.32582	.44985	.66700	.25272	.04075	.05704	.03797	.38945	.16242
#1	.19604	.25254	.91650	50.712	.98286	46.931	.47923	.98870	52.936	.48447
#2	.19639	.25371	.92235	51.192	.98638	46.903	.47884	.98817	53.228	.48558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9141**	**.48390**	**.01129**	**.46702**	**1.9172**	F **.56553**	**1.2102**	**1.9373**	**.98376**	**.96564**
Stddev	.0119	.00175	.00090	.00419	.0005	.01101	.0236	.0083	.00572	.00209
%RSD	.12022	.36082	7.9381	.89642	.02402	1.9462	1.9462	.42585	.58153	.21598
#1	9.9057	.48514	.01193	.46998	1.9175	.55775	1.1936	1.9431	.97972	.96416
#2	9.9226	.48267	.01066	.46406	1.9169	.57331	1.2269	1.9315	.98781	.96711
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98086**	**1.8958**	**2.1192**	**.49817**	**.47181**	**.49560**
Stddev	.00054	.0089	.0479	.00052	.00005	.00413
%RSD	.05517	.47149	2.2590	.10511	.00972	.83313
#1	.98124	1.9022	2.1530	.49854	.47185	.49268
#2	.98047	1.8895	2.0853	.49780	.47178	.49852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8328.4**	**106220.**	**8834.7**
Stddev	9.7	111.	30.4
%RSD	.11691	.10483	.34407
#1	8335.2	106140.	8856.2
#2	8321.5	106300.	8813.2

Sample Name: 280-48913-a-1-a Acquired: 11/9/2013 3:31:24 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00285**	**80.162**	**.03676**	**.00576**	**.48869**	**.00232**	**.00253**	**46.099**	**.00039**	**.09432**
Stddev	.00011	.414	.00089	.00001	.00206	.00009	.00676	.279	.00002	.00013
%RSD	3.9940	.51586	2.4172	.13381	.42136	4.0664	266.91	.60421	5.7637	.13549
#1	-.00277	79.869	.03613	.00577	.48723	.00225	.00732	45.902	.00041	.09441
#2	-.00293	80.454	.03739	.00576	.49015	.00239	-.00225	46.296	.00038	.09423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10494**	**.17153**	**248.86**	**12.191**	**.08627**	**54.191**	**3.4675**	**.00298**	**2.5711**	**.15209**
Stddev	.00004	.00003	.43	.024	.00102	.147	.0496	.00018	.0158	.00058
%RSD	.03985	.01637	.17450	.19957	1.1789	.27131	1.4313	6.1574	.61290	.37885
#1	.10497	.17155	248.55	12.174	.08555	54.295	3.5026	.00285	2.5599	.15168
#2	.10491	.17151	249.16	12.208	.08699	54.087	3.4324	.00311	2.5822	.15250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3350**	**.05011**	**.51787**	**-.00037**	**-.00096**	**2.1141**	**4.5241**	**.02468**	**.24167**	**.03543**
Stddev	.0148	.00033	.00273	.00164	.00394	.0388	.0830	.00081	.00082	.00198
%RSD	.17717	.65421	.52746	447.58	412.61	1.8341	1.8341	3.2708	.33948	5.5755
#1	8.3454	.05034	.51594	.00079	.00183	2.0867	4.4655	.02525	.24109	.03682
#2	8.3245	.04988	.51980	-.00153	-.00374	2.1415	4.5828	.02411	.24225	.03403
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **20.830**	**-.00406**	F **-.13181**	**.66021**	**.47099**	**.26758**
Stddev	.049	.00102	.00086	.00257	.00285	.00630
%RSD	.23565	25.131	.65582	.38879	.60589	2.3539
#1	20.795	-.00478	-.13120	.66202	.47300	.26313
#2	20.864	-.00334	-.13242	.65839	.46897	.27204
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9271.6**	**117030.**	**9792.9**
Stddev	3.5	779.	59.4
%RSD	.03730	.66573	.60638
#1	9269.1	116480.	9834.9
#2	9274.0	117580.	9750.9

Sample Name: 280-48913-a-1-aSD@5 Acquired: 11/9/2013 3:33:54 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**18.423**	**.00657**	**.00221**	**.11141**	**.00066**	**.00298**	**10.605**	**.00055**	**.02258**
Stddev	.00001	.100	.00129	.00020	.00010	.00004	.00052	.016	.00001	.00003
%RSD	.96952	.54338	19.713	9.2138	.09397	5.4793	17.284	.14737	1.4136	.13372
#1	-.00090	18.352	.00565	.00207	.11134	.00069	.00335	10.594	.00056	.02256
#2	-.00092	18.494	.00748	.00235	.11149	.00064	.00262	10.616	.00055	.02260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02450**	**.03927**	**57.763**	**2.7927**	**.01883**	**12.367**	**.80726**	**.00081**	**.54332**	**.03566**
Stddev	.00009	.00014	.366	.0346	.00189	.020	.00074	.00009	.00339	.00082
%RSD	.36606	.35354	.63442	1.2402	10.025	.16237	.09149	10.584	.62370	2.2930
#1	.02456	.03937	57.504	2.7682	.01750	12.353	.80674	.00075	.54092	.03624
#2	.02444	.03918	58.022	2.8172	.02017	12.382	.80778	.00087	.54571	.03508
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9163**	**.01195**	**.13079**	**.00113**	**.00021**	**.50714**	**1.0853**	**.00683**	**.05579**	**.00822**
Stddev	.0008	.00005	.00172	.00121	.00201	.02179	.0466	.00060	.00044	.00194
%RSD	.04080	.39252	1.3176	107.44	970.15	4.2961	4.2961	8.7759	.79144	23.630
#1	1.9169	.01199	.12957	.00027	-.00121	.52255	1.1183	.00726	.05548	.00685
#2	1.9158	.01192	.13201	.00198	.00163	.49174	1.0523	.00641	.05610	.00959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.7747**	**.00103**	**-.01104**	**.15019**	**.11530**	**.06162**
Stddev	.0025	.00052	.01628	.00067	.00001	.00019
%RSD	.05227	51.014	147.49	.44879	.00766	.30463
#1	4.7729	.00139	-.02255	.14971	.11529	.06175
#2	4.7764	.00066	.00047	.15066	.11530	.06148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8737.5**	**111680.**	**8947.5**
Stddev	1.0	437.	56.0
%RSD	.01120	.39107	.62557
#1	8738.2	111990.	8907.9
#2	8736.8	111370.	8987.1

Sample Name: 280-48913-a-1-b du Acquired: 11/9/2013 3:36:09 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00289**	**71.903**	**.02739**	**.00410**	**.42907**	**.00202**	**.00888**	**42.995**	**.00052**	**.08424**
Stddev	.00024	.090	.00040	.00012	.00025	.00012	.00122	.144	.00002	.00048
%RSD	8.2407	.12486	1.4539	2.9224	.05729	5.7632	13.722	.33423	3.2262	.57296
#1	-.00306	71.840	.02767	.00402	.42890	.00194	.00801	42.893	.00051	.08458
#2	-.00272	71.967	.02711	.00419	.42925	.00210	.00974	43.097	.00054	.08390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09377**	**.15950**	**232.19**	**10.588**	**.07438**	**47.883**	**3.1590**	**.00312**	**2.4724**	**.12819**
Stddev	.00006	.00027	.58	.045	.00026	.241	.0254	.00018	.0020	.00013
%RSD	.05935	.17046	.24833	.42744	.34633	.50407	.80543	5.8509	.08145	.09999
#1	.09381	.15931	231.78	10.556	.07456	48.054	3.1770	.00325	2.4738	.12828
#2	.09373	.15970	232.60	10.620	.07419	47.713	3.1410	.00299	2.4710	.12810
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.9898**	**.04410**	**.52397**	**-.00292**	**-.00466**	**1.8141**	**3.8822**	**.02480**	**.22245**	**.03238**
Stddev	.0158	.00010	.00561	.00092	.00090	.0017	.0036	.00041	.00019	.00059
%RSD	.19806	.23640	1.0712	31.348	19.267	.09328	.09328	1.6462	.08472	1.8285
#1	7.9787	.04417	.52794	-.00227	-.00530	1.8129	3.8797	.02451	.22232	.03280
#2	8.0010	.04403	.52000	-.00357	-.00403	1.8153	3.8848	.02509	.22258	.03196
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.255**	**-.00350**	F **-.10993**	**.65231**	**.42781**	**.25138**
Stddev	.094	.00290	.01698	.00153	.00319	.00049
%RSD	.44356	82.830	15.444	.23438	.74638	.19539
#1	21.188	-.00555	-.09792	.65339	.43007	.25173
#2	21.321	-.00145	-.12193	.65123	.42555	.25103
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9271.5**	**117010.**	**9718.4**
Stddev	1.0	70.	52.4
%RSD	.01106	.05972	.53916
#1	9272.2	117060.	9755.5
#2	9270.7	116960.	9681.4

Sample Name: 280-48913-a-1-c ms Acquired: 11/9/2013 3:38:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04036**	**104.62**	**.81586**	**.79570**	**2.2747**	**.04407**	F **1.9502**	**101.76**	**.08856**	**.49913**
Stddev	.00036	.27	.00085	.00052	.0006	.00001	.0018	.30	.00004	.00135
%RSD	.89925	.25718	.10378	.06510	.02538	.03244	.09340	.29074	.04136	.27128
#1	.04062	104.43	.81646	.79534	2.2743	.04406	1.9489	101.55	.08858	.49818
#2	.04010	104.81	.81526	.79607	2.2751	.04408	1.9515	101.97	.08853	.50009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28229**	**.39396**	**257.34**	**58.920**	**.96537**	**99.393**	**4.1737**	**.82412**	**52.482**	**.54695**
Stddev	.00005	.00083	.42	.138	.00145	1.068	.0345	.00024	.325	.00107
%RSD	.01751	.21116	.16179	.23463	.15057	1.0749	.82648	.02969	.61921	.19568
#1	.28225	.39455	257.05	58.822	.96434	98.638	4.1981	.82395	52.712	.54620
#2	.28232	.39337	257.63	59.018	.96640	100.15	4.1493	.82429	52.252	.54771
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.153**	**.44727**	**.48476**	**.20597**	**1.5909**	**3.9840**	**8.5259**	**1.3627**	**1.1628**	**.88754**
Stddev	.024	.00077	.00309	.00223	.0006	.0229	.0489	.0004	.0001	.00071
%RSD	.15984	.17267	.63694	1.0816	.03876	.57374	.57374	.03199	.01154	.07964
#1	15.136	.44782	.48258	.20754	1.5914	3.9679	8.4913	1.3630	1.1627	.88704
#2	15.170	.44673	.48695	.20439	1.5905	4.0002	8.5604	1.3624	1.1629	.88804
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **21.904**	**1.5421**	**1.6703**	**1.1399**	**.88021**	**.71891**
Stddev	.143	.0062	.0163	.0013	.00323	.00214
%RSD	.65259	.39952	.97838	.11418	.36671	.29828
#1	22.005	1.5465	1.6588	1.1409	.87793	.71739
#2	21.803	1.5377	1.6819	1.1390	.88249	.72042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9121.0**	**115220.**	**9960.7**
Stddev	1.0	339.	29.1
%RSD	.01149	.29457	.29183
#1	9121.7	115460.	9981.3
#2	9120.2	114980.	9940.2

Sample Name: CCVH-2357613 Acquired: 11/9/2013 3:41:10 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00375**	**49.997**	**.00226**	**.00622**	**.00029**	**.00005**	**1.0335**	**.02026**	**-.00012**	**-.00062**	**-.00009**	**.00882**	**48.457**
Stddev	.00005	.056	.00221	.00029	.00039	.00005	.0071	.00382	.00007	.00010	.00003	.00030	.099
%RSD	1.4202	.11142	97.652	4.7095	134.93	100.12	.68988	18.853	58.626	16.385	28.437	3.4091	.20516
#1	.00371	49.957	.00383	.00601	.00001	.00002	1.0385	.02296	-.00007	-.00055	-.00007	.00903	48.528
#2	.00378	50.036	.00070	.00643	.00057	.00009	1.0284	.01756	-.00016	-.00069	-.00011	.00861	48.387
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06640**	**.00259**	**.09033**	**.00098**	**.00000**	**262.50**	**-.00023**	**.00225**	**.00136**	**5.0866**	**.00416**	**.00119**	**.02609**
Stddev	.02623	.00033	.00118	.00001	.00006	.38	.00012	.00081	.00067	.0108	.00124	.00048	.00770
%RSD	39.499	12.679	1.3102	.67084	1343.8	.14442	50.984	36.197	49.606	.21261	29.734	40.135	29.500
#1	.04785	.00282	.09117	.00099	-.00004	262.77	-.00015	.00167	.00088	5.0942	.00503	.00153	.03153
#2	.08494	.00236	.08950	.00098	.00005	262.24	-.00031	.00282	.00183	5.0789	.00328	.00085	.02064
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05582**	**.00035**	**.00059**	**4.8050**	**.00160**	**.00195**	**10.070**	**.00056**	**.00228**	**.02410**
Stddev	.01647	.00051	.00005	.0036	.00035	.00051	.002	.00084	.00033	.00464
%RSD	29.500	146.09	8.8847	.07524	21.627	26.258	.02340	148.42	14.422	19.261
#1	.06747	.00072	.00055	4.8075	.00185	.00231	10.072	-.00003	.00204	.02081
#2	.04418	-.00001	.00063	4.8024	.00136	.00159	10.068	.00115	.00251	.02738
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8408.1**	**106060.**	**8795.0**
Stddev	4.6	45.	1.9
%RSD	.05415	.04212	.02175
#1	8404.9	106030.	8796.4
#2	8411.3	106090.	8793.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 3:43:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49661**	**.50923**	**1.0035**	**.50811**	**.50602**	**.49106**	**.00309**	**4.9513**	**.50514**	**.50335**	**.49728**	**.50950**	**2.3766**
Stddev	.00076	.00050	.0003	.00066	.00025	.00025	.00030	.0088	.00004	.00044	.00023	.00112	.0022
%RSD	.15394	.09896	.02489	.12954	.04938	.05071	9.7306	.17732	.00788	.08806	.04576	.21963	.09078
#1	.49715	.50888	1.0033	.50764	.50619	.49088	.00330	4.9575	.50517	.50367	.49712	.50871	2.3751
#2	.49607	.50959	1.0036	.50857	.50584	.49124	.00287	4.9451	.50511	.50304	.49744	.51030	2.3781
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.539**	**1.0017**	**19.445**	**.49448**	**.50538**	**5.2518**	**.50415**	**1.0062**	**1.0212**	**.00845**	**1.0260**	**1.0099**	**4.8205**
Stddev	.040	.0007	.050	.00006	.00125	.0297	.00041	.0030	.0003	.00017	.0010	.0042	.0197
%RSD	.07840	.07154	.25570	.01198	.24764	.56551	.08211	.29813	.02836	2.0269	.09457	.41442	.40845
#1	51.568	1.0012	19.480	.49452	.50627	5.2728	.50386	1.0041	1.0214	.00857	1.0267	1.0128	4.8066
#2	51.510	1.0022	19.409	.49444	.50450	5.2308	.50444	1.0083	1.0210	.00832	1.0253	1.0069	4.8345
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.316**	**1.0053**	**.50142**	**-.00344**	**.50162**	**1.0268**	**.02103**	**.50125**	**.49424**	**.50730**
Stddev	.042	.0016	.00009	.00074	.00017	.0052	.01046	.00035	.00093	.00449
%RSD	.40845	.16129	.01856	21.482	.03374	.50514	49.707	.06918	.18779	.88540
#1	10.286	1.0065	.50136	-.00396	.50150	1.0305	.01364	.50100	.49358	.50412
#2	10.346	1.0042	.50149	-.00292	.50174	1.0232	.02843	.50150	.49489	.51048
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8645.1**	**109830.**	**9011.5**
Stddev	16.7	124.	43.2
%RSD	.19259	.11275	.47954
#1	8656.9	109740.	8980.9
#2	8633.3	109910.	9042.0

Sample Name: CCB Acquired: 11/9/2013 3:45:39 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00350**	**.00008**	**.00157**	**-.00040**	**.00010**	**.00276**	**.00344**	**.00038**	**-.00006**	**.00013**	**.00003**
Stddev	.00086	.00032	.00058	.00069	.00019	.00002	.00195	.00253	.00028	.00014	.00008	.00016
%RSD	527.93	9.0098	738.54	44.000	47.307	14.571	70.684	73.629	74.137	215.96	60.328	636.55
#1	.00077	.00372	.00049	.00108	-.00054	.00012	.00414	.00522	.00058	.00003	.00007	-.00009
#2	-.00044	.00328	-.00033	.00205	-.00027	.00009	.00138	.00165	.00018	-.00016	.00018	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.05022**	**.00209**	**.00450**	**.00010**	**.00027**	**-.02741**	**.00000**	**.00061**	**.00136**	**.01317**	W **.00451**
Stddev	.00048	.02331	.00247	.00168	.00000	.00020	.01285	.00003	.00008	.00021	.00135	.00017
%RSD	5.7549	46.415	118.37	37.272	4.3436	73.891	46.874	1310.7	12.666	15.074	10.236	3.7197
#1	.00875	.03374	.00034	.00331	.00011	.00041	-.01833	.00003	.00056	.00151	.01222	.00463
#2	.00807	.06670	.00384	.00568	.00010	.00013	-.03650	-.00002	.00067	.00122	.01412	.00439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00215**	**.01181**	**.02528**	**.00021**	**.00024**	**.00046**	W **.00069**	**.00011**	**.02101**	**-.00039**	**.00409**	**.00173**
Stddev	.00124	.00798	.01708	.00022	.00011	.00159	.00018	.00030	.00078	.00031	.00045	.00162
%RSD	57.701	67.569	67.569	106.10	46.355	346.65	26.009	276.68	3.7024	79.840	10.961	93.937
#1	.00303	.00617	.01320	.00037	.00032	.00159	.00057	.00032	.02156	-.00017	.00378	.00287
#2	.00127	.01745	.03735	.00005	.00016	-.00067	.00082	-.00010	.02046	-.00060	.00441	.00058
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00060					
Low Limit							-.00060					

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8577.8**	**110780.**	**8806.7**
Stddev	3.8	40.	5.5
%RSD	.04451	.03642	.06199
#1	8575.1	110810.	8810.5
#2	8580.5	110750.	8802.8

Sample Name: CCVL2367586 Acquired: 11/9/2013 3:47:56 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00983**	**.10762**	**.01542**	**.10105**	**.01018**	**.00108**	**.12472**	**.21293**	**.00535**	**.01032**	**.01051**	**.01554**	**.10904**
Stddev	.00057	.00068	.00218	.00079	.00036	.00004	.00411	.00437	.00004	.00014	.00019	.00025	.00197
%RSD	5.7971	.63362	14.109	.78324	3.5281	3.4616	3.2934	2.0515	.76505	1.3518	1.8412	1.6118	1.8029
#1	.01024	.10713	.01388	.10161	.00993	.00105	.12762	.20984	.00538	.01042	.01065	.01572	.10765
#2	.00943	.10810	.01696	.10049	.01044	.00111	.12181	.21602	.00532	.01022	.01037	.01537	.11043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1825**	**.01299**	**.20524**	**.01034**	**.02089**	**1.0631**	**.04198**	**2.9621**	**.01049**	**.01357**	**.00950**	**.01593**	**.48434**
Stddev	.0121	.00234	.00048	.00012	.00022	.0170	.00002	.0004	.00023	.00033	.00101	.00083	.00166
%RSD	.38155	18.020	.23200	1.2070	1.0552	1.6039	.05500	.01316	2.2116	2.4264	10.678	5.1960	.34300
#1	3.1739	.01464	.20490	.01043	.02073	1.0752	.04196	2.9624	.01065	.01334	.00878	.01651	.48551
#2	3.1911	.01133	.20557	.01025	.02104	1.0511	.04199	2.9618	.01032	.01381	.01021	.01534	.48316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0365**	**.10417**	**.01036**	**.01368**	**.01086**	**.01473**	F **.09049**	**.00960**	**.02496**	**.01799**
Stddev	.0036	.00100	.00000	.00063	.00017	.00074	.01906	.00025	.00027	.00134
%RSD	.34300	.96113	.01683	4.5875	1.5463	5.0507	21.062	2.5548	1.0933	7.4485
#1	1.0390	.10488	.01036	.01323	.01097	.01526	.07701	.00977	.02515	.01704
#2	1.0340	.10347	.01036	.01412	.01074	.01420	.10396	.00942	.02477	.01894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8697.3**	**113080.**	**8965.3**
Stddev	6.0	477.	36.7
%RSD	.06884	.42196	.40899
#1	8701.6	112740.	8991.2
#2	8693.1	113420.	8939.4

Sample Name: 280-48913-a-2-a Acquired: 11/9/2013 3:50:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**77.918**	**.02413**	**.01781**	**.69219**	**.00248**	**.00295**	**34.867**	**.00104**	**.06447**
Stddev	.00031	.020	.00353	.00065	.00069	.00004	.00096	.085	.00007	.00017
%RSD	16.475	.02597	14.609	3.6669	.09999	1.4207	32.381	.24306	6.5454	.25873
#1	-.00207	77.904	.02662	.01735	.69170	.00250	.00228	34.807	.00099	.06459
#2	-.00164	77.932	.02164	.01827	.69268	.00245	.00363	34.927	.00108	.06435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10240**	**.12214**	**165.50**	**15.924**	**.07326**	**35.819**	**2.8711**	**.00167**	**1.6304**	**.09952**
Stddev	.00032	.00052	.48	.011	.00169	.154	.0309	.00034	.0106	.00011
%RSD	.30780	.42639	.28780	.06650	2.3106	.42869	1.0778	20.307	.65042	.11455
#1	.10218	.12177	165.17	15.917	.07446	35.927	2.8930	.00143	1.6379	.09944
#2	.10262	.12251	165.84	15.932	.07207	35.710	2.8492	.00191	1.6229	.09960
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1127**	**.04946**	**.35719**	**-.00060**	**-.00112**	**2.3312**	**4.9887**	**.01256**	**.22392**	**.04314**
Stddev	.0085	.00065	.00217	.00408	.00454	.0236	.0504	.00111	.00024	.00292
%RSD	.13976	1.3178	.60808	677.69	403.92	1.0112	1.0112	8.8388	.10877	6.7691
#1	6.1066	.04900	.35566	.00228	-.00434	2.3478	5.0244	.01177	.22410	.04520
#2	6.1187	.04992	.35873	-.00349	.00209	2.3145	4.9530	.01334	.22375	.04107
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6808**	**-.00259**	F **-.12907**	**.37094**	**.36613**	**.16545**
Stddev	.0132	.00001	.00220	.00042	.00018	.00027
%RSD	.13580	.19917	1.7065	.11360	.05041	.16061
#1	9.6900	-.00259	-.12751	.37064	.36600	.16526
#2	9.6715	-.00258	-.13063	.37123	.36626	.16564
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9134.1**	**114680.**	**9625.0**
Stddev	12.3	1259.	80.5
%RSD	.13436	1.0976	.83643
#1	9125.4	113790.	9681.9
#2	9142.8	115570.	9568.1

Sample Name: 280-48913-a-3-a Acquired: 11/9/2013 3:52:35 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**70.258**	**.02783**	**.00830**	**.45951**	**.00204**	**.00871**	**54.115**	**.00092**	**.07910**
Stddev	.00001	.068	.00239	.00027	.00033	.00001	.00252	.069	.00007	.00034
%RSD	.58906	.09656	8.5875	3.2055	.07156	.25105	28.937	.12750	7.3969	.43506
#1	-.00248	70.210	.02614	.00849	.45928	.00204	.01049	54.066	.00087	.07935
#2	-.00245	70.306	.02952	.00811	.45975	.00204	.00692	54.164	.00097	.07886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08673**	**.17122**	**204.67**	**12.240**	**.07042**	**44.998**	**2.8674**	**.00257**	**3.9430**	**.12889**
Stddev	.00005	.00137	.28	.055	.00089	.054	.0251	.00025	.0082	.00016
%RSD	.05560	.79736	.13912	.44646	1.2619	.11964	.87638	9.8827	.20857	.12134
#1	.08676	.17025	204.87	12.201	.07104	45.036	2.8852	.00275	3.9488	.12900
#2	.08670	.17218	204.46	12.278	.06979	44.960	2.8496	.00239	3.9372	.12878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.0807**	**.04559**	**.85423**	**-.00330**	**-.00241**	**2.2421**	**4.7980**	**.02033**	**.26897**	**.03376**
Stddev	.0283	.00013	.00272	.00114	.00105	.0056	.0120	.00045	.00040	.00089
%RSD	.35029	.28105	.31880	34.443	43.589	.24914	.24914	2.2160	.14997	2.6248
#1	8.1007	.04550	.85616	-.00250	-.00167	2.2381	4.7896	.02001	.26868	.03438
#2	8.0607	.04568	.85231	-.00410	-.00316	2.2460	4.8065	.02065	.26925	.03313
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **16.728**	**-.00205**	F **-.10343**	**.55731**	**.41042**	**.20615**
Stddev	.105	.00033	.01763	.00207	.00048	.00159
%RSD	.62991	15.877	17.044	.37132	.11736	.76991
#1	16.654	-.00182	-.11589	.55878	.41076	.20503
#2	16.803	-.00228	-.09096	.55585	.41008	.20727
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9237.9**	**117140.**	**9819.1**
Stddev	15.1	505.	17.3
%RSD	.16361	.43099	.17599
#1	9227.2	116780.	9831.3
#2	9248.6	117500.	9806.8

Sample Name: 280-48913-a-4-a Acquired: 11/9/2013 3:55:00 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00234**	**91.817**	**.03362**	**.01324**	**.73104**	**.00282**	**.00356**	**89.951**	**.00111**	**.08193**
Stddev	.00008	.253	.00084	.00029	.00168	.00004	.00470	.324	.00002	.00076
%RSD	3.3697	.27559	2.5046	2.1893	.22938	1.4431	131.91	.35986	1.9671	.92170
#1	-.00228	91.639	.03422	.01303	.72986	.00285	.00689	89.722	.00112	.08140
#2	-.00239	91.996	.03303	.01344	.73223	.00279	.00024	90.180	.00109	.08246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16829**	**.18269**	**218.96**	**17.206**	**.09670**	**49.043**	**3.4786**	**.00262**	**2.3559**	**.12887**
Stddev	.00076	.00089	.43	.074	.00090	.211	.0117	.00009	.0052	.00050
%RSD	.44869	.48730	.19799	.42826	.92733	.43023	.33482	3.4864	.22141	.38899
#1	.16883	.18206	218.65	17.153	.09606	48.894	3.4703	.00256	2.3522	.12923
#2	.16776	.18332	219.26	17.258	.09733	49.192	3.4868	.00269	2.3595	.12852
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.3204**	**.06719**	**.80337**	**-.00256**	**-.00267**	**2.3987**	**5.1333**	**.01724**	**.32541**	**.04171**
Stddev	.0128	.00078	.00398	.00088	.00135	.0448	.0959	.00109	.00100	.00027
%RSD	.15423	1.1648	.49580	34.480	50.592	1.8681	1.8681	6.2989	.30785	.63660
#1	8.3294	.06663	.80619	-.00319	-.00172	2.3670	5.0655	.01801	.32470	.04152
#2	8.3113	.06774	.80055	-.00194	-.00363	2.4304	5.2011	.01647	.32611	.04190
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.688**	**-.00372**	F **-.10781**	**.51189**	**.57830**	**.20537**
Stddev	.295	.00012	.06484	.00223	.00082	.00094
%RSD	2.1578	3.1156	60.143	.43507	.14261	.45883
#1	13.897	-.00364	-.15366	.51032	.57772	.20604
#2	13.479	-.00381	-.06196	.51347	.57888	.20471
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9190.9**	**114900.**	**9709.6**
Stddev	19.2	1.	21.3
%RSD	.20837	.00061	.21940
#1	9204.4	114900.	9724.6
#2	9177.3	114900.	9694.5

Sample Name: 280-48913-a-5-a Acquired: 11/9/2013 3:57:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00133**	**101.44**	**.03391**	**.01792**	**.98434**	**.00323**	**-.00193**	**60.632**	**.00147**	**.07574**
Stddev	.00059	.14	.00192	.00033	.00125	.00007	.00228	.050	.00002	.00040
%RSD	43.973	.14289	5.6691	1.8331	.12693	2.2279	118.47	.08194	1.2230	.52368
#1	-.00175	101.54	.03255	.01769	.98522	.00318	-.00031	60.667	.00148	.07546
#2	-.00092	101.33	.03527	.01815	.98346	.00328	-.00354	60.597	.00145	.07603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29013**	**.19638**	**190.41**	**21.563**	**.09810**	**47.643**	**3.3713**	**.00245**	**1.9984**	**.14528**
Stddev	.00101	.00114	.44	.021	.00305	.112	.0534	.00018	.0020	.00053
%RSD	.34659	.58144	.22920	.09910	3.1051	.23455	1.5842	7.3270	.10037	.36386
#1	.28942	.19557	190.72	21.578	.10026	47.564	3.3335	.00257	1.9970	.14490
#2	.29085	.19718	190.10	21.548	.09595	47.722	3.4090	.00232	1.9998	.14565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7147**	**.08317**	**.75324**	**-.00102**	**.00295**	**2.1229**	**4.5431**	**.01391**	**.36404**	**.04293**
Stddev	.0004	.00020	.00791	.00151	.00461	.0448	.0958	.00010	.00043	.00144
%RSD	.00606	.24590	1.0501	147.20	156.18	2.1092	2.1092	.73766	.11714	3.3564
#1	6.7144	.08302	.74765	.00004	.00621	2.0913	4.4753	.01398	.36434	.04192
#2	6.7150	.08331	.75884	-.00209	-.00031	2.1546	4.6108	.01384	.36374	.04395
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.4586**	**-.00329**	F **-.14222**	**.38324**	**.83327**	**.16599**
Stddev	.0240	.00214	.03527	.00060	.00112	.00148
%RSD	.25392	64.966	24.798	.15546	.13406	.89394
#1	9.4416	-.00480	-.11728	.38366	.83406	.16704
#2	9.4756	-.00178	-.16716	.38282	.83248	.16494
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9134.8**	**114330.**	**9746.7**
Stddev	13.6	179.	63.9
%RSD	.14876	.15668	.65573
#1	9125.2	114200.	9701.5
#2	9144.4	114450.	9791.9

Sample Name: 280-48913-a-6-a Acquired: 11/9/2013 3:59:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**27.451**	**.01964**	**.00747**	**.42815**	**.00139**	**-.01181**	**16.016**	**.00131**	**.03374**
Stddev	.00063	.001	.00054	.00081	.00097	.00004	.00307	.017	.00019	.00012
%RSD	105.75	.00445	2.7619	10.807	.22704	3.1418	26.009	.10692	14.606	.36057
#1	-.00015	27.452	.02003	.00804	.42746	.00142	-.01398	16.028	.00118	.03366
#2	-.00105	27.450	.01926	.00690	.42884	.00136	-.00964	16.004	.00145	.03383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61592**	**.10105**	**105.62**	**5.0203**	**.02449**	**10.493**	**1.8346**	**.00589**	**.45431**	**.05264**
Stddev	.00021	.00047	.28	.0443	.00069	.021	.0006	.00004	.00536	.00048
%RSD	.03403	.46939	.26648	.88157	2.8091	.20109	.03274	.64479	1.1808	.90804
#1	.61607	.10072	105.42	5.0516	.02400	10.478	1.8342	.00586	.45051	.05231
#2	.61577	.10139	105.81	4.9890	.02497	10.508	1.8350	.00591	.45810	.05298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3350**	**.08946**	**.83521**	**-.00061**	**-.00032**	**2.4623**	**5.2693**	**.00842**	**.12078**	**.01937**
Stddev	.0121	.00005	.00363	.00096	.00190	.0932	.1995	.00037	.00033	.00007
%RSD	.36277	.05622	.43487	158.52	592.17	3.7856	3.7856	4.4069	.27355	.38492
#1	3.3264	.08943	.83264	-.00129	.00102	2.5282	5.4103	.00868	.12055	.01932
#2	3.3436	.08950	.83778	.00007	-.00166	2.3964	5.1282	.00816	.12102	.01943
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6481**	**-.00213**	W **-.07350**	**.11150**	**2.2230**	**.03770**
Stddev	.0022	.00117	.03882	.00021	.0015	.00148
%RSD	.08276	55.172	52.814	.18991	.06814	3.9155
#1	2.6465	-.00296	-.10095	.11135	2.2241	.03665
#2	2.6496	-.00130	-.04605	.11165	2.2219	.03874
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9195.8**	**117000.**	**9638.2**
Stddev	8.7	117.	23.3
%RSD	.09412	.09961	.24156
#1	9189.6	117080.	9654.7
#2	9201.9	116920.	9621.8

Sample Name: 280-48913-a-7-a Acquired: 11/9/2013 4:01:59 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199790 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00086**	**32.045**	**.01670**	**.01230**	**.38509**	**.00123**	**-.00820**	**21.854**	**.00119**	**.02776**
Stddev	.00010	.078	.00229	.00016	.00015	.00000	.00129	.054	.00007	.00019
%RSD	11.572	.24392	13.724	1.2639	.03847	.07538	15.765	.24715	5.5192	.66656
#1	-.00093	31.990	.01832	.01219	.38499	.00123	-.00729	21.816	.00124	.02789
#2	-.00079	32.100	.01508	.01241	.38520	.00123	-.00912	21.893	.00114	.02763
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21122**	**.08692**	**87.407**	**6.6437**	**.02879**	**14.213**	**1.4918**	**.00301**	**1.0171**	**.06855**
Stddev	.00078	.00064	.473	.0113	.00056	.025	.0021	.00013	.0109	.00044
%RSD	.37129	.73132	.54109	.16984	1.9380	.17392	.13960	4.2818	1.0686	.64035
#1	.21178	.08647	87.073	6.6357	.02918	14.231	1.4903	.00292	1.0095	.06886
#2	.21067	.08737	87.742	6.6516	.02839	14.196	1.4932	.00310	1.0248	.06824
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2240**	**.08135**	**1.0115**	**.00101**	**-.00016**	**1.9570**	**4.1880**	**.00678**	**.13008**	**.01726**
Stddev	.0040	.00012	.0004	.00112	.00180	.0329	.0703	.00021	.00009	.00200
%RSD	.12243	.14835	.03991	111.14	1099.8	1.6794	1.6794	3.0364	.07171	11.574
#1	3.2268	.08127	1.0118	.00180	.00111	1.9338	4.1383	.00692	.13002	.01867
#2	3.2212	.08144	1.0113	.00022	-.00144	1.9803	4.2378	.00663	.13015	.01584
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2976**	**-.00151**	W **-.05887**	**.16412**	**1.5417**	**.04410**
Stddev	.0002	.00173	.00475	.00024	.0065	.00024
%RSD	.00520	114.37	8.0632	.14826	.42174	.53728
#1	3.2977	-.00029	-.06222	.16429	1.5371	.04393
#2	3.2975	-.00274	-.05551	.16395	1.5463	.04427
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9030.4**	**114740.**	**9518.1**
Stddev	9.6	256.	34.1
%RSD	.10640	.22281	.35831
#1	9023.6	114920.	9493.9
#2	9037.2	114550.	9542.2

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:04:13 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00391**	**50.249**	**.00276**	**.00438**	**.00008**	**.00006**	**1.0449**	**.01028**	**.00005**	**-.00059**	**.00002**	**.00877**	**48.070**
Stddev	.00044	.094	.00090	.00025	.00003	.00007	.0026	.00048	.00012	.00025	.00004	.00013	.117
%RSD	11.294	.18659	32.780	5.8074	37.617	111.50	.24415	4.6475	241.32	41.770	196.61	1.4800	.24434
#1	.00359	50.315	.00212	.00420	.00006	.00011	1.0467	.01062	.00013	-.00042	-.00001	.00886	48.153
#2	.00422	50.183	.00339	.00456	.00010	.00001	1.0431	.00994	-.00003	-.00077	.00005	.00868	47.987
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00915**	**.00193**	**.08503**	**.00073**	**-.00015**	**263.74**	**-.00001**	**.00264**	**.00149**	**5.1169**	**.00076**	**-.00295**	**.01216**
Stddev	.00567	.00223	.00150	.00007	.00023	.29	.00011	.00002	.00058	.0029	.00176	.00032	.00358
%RSD	61.921	115.51	1.7613	9.4146	147.93	.10884	1502.8	.92012	39.115	.05631	232.59	10.927	29.456
#1	.00514	.00351	.08608	.00078	-.00031	263.94	-.00009	.00262	.00107	5.1189	-.00049	-.00272	.00962
#2	.01316	.00035	.08397	.00068	.00001	263.54	.00007	.00265	.00190	5.1148	.00200	-.00318	.01469
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02602**	**-.00060**	**.00041**	**4.8534**	**-.00435**	**.00143**	**10.203**	**.00042**	**.00254**	**.02275**
Stddev	.00766	.00005	.00001	.0015	.00005	.00018	.043	.00021	.00022	.00110
%RSD	29.456	7.9802	3.1337	.03070	1.0389	12.280	.42324	50.099	8.5207	4.8500
#1	.02060	-.00057	.00040	4.8524	-.00438	.00130	10.173	.00027	.00239	.02353
#2	.03143	-.00063	.00041	4.8545	-.00431	.00155	10.234	.00056	.00270	.02197
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8394.6**	**105540.**	**8817.4**
Stddev	22.3	162.	48.4
%RSD	.26522	.15314	.54883
#1	8378.8	105650.	8783.2
#2	8410.3	105430.	8851.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:06:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50087**	**.50766**	**1.0119**	**.51217**	**.50401**	**.49361**	**.00223**	**4.9759**	**.50977**	**.50425**	**.50127**	**.51369**	**2.3628**
Stddev	.00013	.00079	.0031	.00072	.00106	.00035	.00156	.0015	.00094	.00047	.00113	.00061	.0140
%RSD	.02499	.15555	.30842	.14146	.21033	.07119	69.845	.03075	.18399	.09298	.22465	.11778	.59082
#1	.50078	.50822	1.0096	.51166	.50326	.49336	.00113	4.9748	.50911	.50391	.50207	.51326	2.3529
#2	.50096	.50710	1.0141	.51269	.50476	.49386	.00333	4.9770	.51043	.50458	.50047	.51412	2.3726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.641**	**.99641**	**19.515**	**.49501**	**.51021**	**5.2544**	**.50767**	**1.0146**	**1.0305**	**.00735**	**1.0280**	**1.0129**	**4.8328**
Stddev	.107	.00080	.044	.00169	.00289	.0129	.00010	.0044	.0053	.00092	.0034	.0048	.0726
%RSD	.20719	.08066	.22526	.34085	.56652	.24535	.02037	.43347	.51403	12.487	.33214	.47388	1.5017
#1	51.565	.99584	19.484	.49382	.51225	5.2635	.50774	1.0177	1.0343	.00670	1.0304	1.0163	4.7815
#2	51.716	.99697	19.546	.49621	.50817	5.2453	.50760	1.0115	1.0268	.00800	1.0256	1.0095	4.8841
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.342**	**1.0100**	**.50095**	**-.00626**	**.49972**	**1.0240**	**.02945**	**.50266**	**.49203**	**.50082**
Stddev	.155	.0055	.00128	.00097	.00109	.0060	.01829	.00092	.00309	.00126
%RSD	1.5017	.54183	.25545	15.440	.21764	.58348	62.125	.18247	.62842	.25122
#1	10.232	1.0138	.50005	-.00557	.49895	1.0283	.04238	.50201	.48984	.49993
#2	10.452	1.0061	.50186	-.00694	.50049	1.0198	.01651	.50331	.49422	.50171
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8632.6**	**110470.**	**8918.1**
Stddev	14.3	371.	1.9
%RSD	.16535	.33612	.02139
#1	8642.7	110740.	8919.5
#2	8622.5	110210.	8916.8

Sample Name: CCB Acquired: 11/9/2013 4:08:41 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00275**	**-.00117**	**.00110**	**-.00027**	**.00016**	**.00154**	**.00081**	W **.00046**	**-.00018**	**.00011**	**-.00004**
Stddev	.00009	.00012	.00000	.00027	.00007	.00003	.00056	.00220	.00008	.00015	.00004	.00018
%RSD	67.416	4.3249	.00320	24.212	27.310	20.287	36.072	272.94	16.839	81.204	32.223	498.94
#1	-.00020	.00283	-.00117	.00128	-.00032	.00014	.00115	-.00075	.00052	-.00029	.00009	.00009
#2	-.00007	.00266	-.00117	.00091	-.00022	.00018	.00194	.00236	.00041	-.00008	.00014	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit									.00045			
Low Limit									-.00045			

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.09011**	**.00097**	**.00214**	**.00007**	**.00040**	**-.01441**	**-.00021**	**.00042**	**.00125**	**.00909**	W **.00562**
Stddev	.00093	.01184	.00397	.00137	.00002	.00017	.00112	.00025	.00144	.00064	.00141	.00059
%RSD	18.694	13.140	408.96	63.785	35.478	42.062	7.7805	115.49	343.56	50.947	15.520	10.560
#1	.00566	.08174	.00378	.00311	.00008	.00028	-.01362	-.00004	.00144	.00170	.01009	.00603
#2	.00434	.09849	-.00184	.00118	.00005	.00052	-.01521	-.00039	-.00060	.00080	.00809	.00520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00218**	**.00731**	**.01565**	**.00024**	**.00003**	**.00097**	**.00051**	**-.00005**	**-.00189**	**-.00060**	W **.00475**	**.00166**
Stddev	.00268	.00131	.00281	.00022	.00000	.00182	.00002	.00117	.00177	.00015	.00001	.00053
%RSD	123.13	17.934	17.934	89.259	4.7580	188.93	4.1798	2479.8	94.009	24.235	.30841	31.823
#1	.00407	.00824	.01763	.00009	.00003	.00225	.00049	.00078	-.00314	-.00070	.00476	.00128
#2	.00028	.00638	.01366	.00040	.00003	-.00032	.00052	-.00088	-.00063	-.00050	.00474	.00203
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8539.7**	**110530.**	**8806.4**
Stddev	20.8	243.	59.2
%RSD	.24409	.21979	.67274
#1	8554.4	110350.	8764.5
#2	8524.9	110700.	8848.3

Sample Name: CCVL2367586 Acquired: 11/9/2013 4:11:00 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01000**	**.10645**	**.01722**	**.10028**	**.01010**	**.00100**	**.12770**	**.21436**	**.00551**	**.01041**	**.01049**	**.01593**	**.10426**
Stddev	.00040	.00096	.00251	.00070	.00017	.00007	.00166	.00063	.00020	.00019	.00004	.00009	.00110
%RSD	4.0400	.89989	14.566	.70165	1.6681	6.6546	1.2988	.29310	3.6612	1.8406	.40794	.59244	1.0576
#1	.01029	.10712	.01544	.10077	.01022	.00096	.12653	.21392	.00565	.01054	.01052	.01600	.10504
#2	.00972	.10577	.01899	.09978	.00998	.00105	.12887	.21480	.00536	.01027	.01046	.01587	.10348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1477**	**.01150**	**.20628**	**.01035**	**.02077**	**1.0526**	**.04178**	**2.9759**	**.00981**	**.01259**	**.01141**	**.01641**	**.50813**
Stddev	.0672	.00462	.00113	.00009	.00014	.0033	.00070	.0294	.00029	.00156	.00155	.00084	.00200
%RSD	2.1355	40.158	.54647	.88286	.65819	.31473	1.6674	.98814	2.9678	12.365	13.612	5.1316	.39365
#1	3.1952	.00824	.20548	.01029	.02087	1.0503	.04228	2.9966	.01001	.01149	.01250	.01582	.50955
#2	3.1001	.01477	.20708	.01041	.02067	1.0549	.04129	2.9551	.00960	.01369	.01031	.01701	.50672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0874**	**.10467**	**.01029**	**.01626**	**.01053**	**.01493**	F **.03004**	**.00956**	F **.02605**	**.01853**
Stddev	.0043	.00141	.00009	.00042	.00014	.00087	.02063	.00000	.00051	.00210
%RSD	.39365	1.3485	.91729	2.5710	1.3406	5.8039	68.658	.02786	1.9762	11.342
#1	1.0904	.10567	.01036	.01597	.01043	.01431	.04463	.00956	.02569	.01705
#2	1.0844	.10367	.01023	.01656	.01063	.01554	.01546	.00956	.02642	.02002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							-30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8622.0**	**109860.**	**8786.0**
Stddev	65.1	408.	124.4
%RSD	.75492	.37104	1.4162
#1	8576.0	109570.	8874.0
#2	8668.0	110150.	8698.1

Sample Name: mb 280-199861/1-a Acquired: 11/9/2013 4:13:20 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00566**	**.00126**	**.00106**	**.00010**	**.00015**	**.00080**	**.04468**	**.00038**	**-.00003**
Stddev	.00089	.00016	.00184	.00015	.00017	.00004	.00188	.00272	.00002	.00014
%RSD	514.92	2.8467	146.16	14.176	172.10	26.522	233.37	6.0994	5.4723	414.00
#1	.00080	.00577	-.00004	.00117	-.00002	.00012	-.00052	.04275	.00037	.00006
#2	-.00046	.00555	.00255	.00095	.00022	.00017	.00213	.04660	.00040	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00134**	**.02060**	**.06686**	**.00126**	**.00809**	**.00018**	**-.00012**	**.01853**	**-.00006**
Stddev	.00015	.00005	.00034	.00883	.00096	.00019	.00001	.00002	.00765	.00015
%RSD	103.83	3.7703	1.6420	13.201	75.873	2.3524	3.8422	17.418	41.302	233.98
#1	.00025	.00131	.02036	.06062	.00059	.00823	.00018	-.00013	.02394	-.00017
#2	.00004	.00138	.02084	.07310	.00194	.00796	.00017	-.00010	.01312	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00463**	**.00110**	**.02284**	**-.00010**	**.00179**	**-.00287**	**-.00615**	**.00247**	**.00016**	**-.00001**
Stddev	.00074	.00122	.00440	.00146	.00075	.01464	.03134	.00014	.00001	.00071
%RSD	15.962	110.51	19.273	1435.9	41.684	509.94	509.94	5.7676	3.2823	9029.2
#1	.00411	.00197	.01973	.00093	.00127	-.01323	-.02831	.00237	.00016	.00049
#2	.00516	.00024	.02595	-.00113	.00232	.00748	.01601	.00257	.00016	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00096**	**-.00002**	**.04196**	**-.00048**	**.00425**	**.00169**
Stddev	.00015	.00036	.02256	.00021	.00004	.00185
%RSD	15.161	2115.6	53.768	44.136	.83063	109.78
#1	.00106	.00024	.02600	-.00033	.00423	.00038
#2	.00086	-.00027	.05791	-.00063	.00428	.00300
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8808.3**	**114280.**	**9062.7**
Stddev	5.6	164.	117.0
%RSD	.06402	.14361	1.2907
#1	8812.3	114160.	9145.4
#2	8804.4	114400.	8980.0

Sample Name: lcs 280-199861/2-a Acquired: 11/9/2013 4:15:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04698**	**1.8205**	**.95797**	**.94313**	**1.9445**	**.04705**	**2.2256**	**46.679**	**.10009**	**.47280**
Stddev	.00065	.0021	.00338	.00538	.0040	.00013	.0126	.057	.00029	.00024
%RSD	1.3915	.11520	.35262	.57019	.20625	.28647	.56400	.12137	.28862	.05001
#1	.04744	1.8219	.95558	.93932	1.9473	.04714	2.2167	46.719	.09989	.47263
#2	.04652	1.8190	.96036	.94693	1.9417	.04695	2.2345	46.638	.10029	.47297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19269**	**.24799**	**.92365**	**49.780**	**.95957**	F **45.873**	**.46727**	**.97424**	**52.240**	**.47487**
Stddev	.00066	.00036	.00207	.103	.00286	.094	.00077	.00395	.008	.00004
%RSD	.34256	.14352	.22376	.20635	.29796	.20452	.16489	.40518	.01558	.00872
#1	.19222	.24824	.92218	49.853	.96159	45.940	.46781	.97145	52.246	.47490
#2	.19316	.24774	.92511	49.707	.95755	45.807	.46672	.97703	52.234	.47484
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						56.500				
Low Limit						46.000				

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7765**	**.47348**	**.01213**	**.46165**	**1.9030**	F **.56805**	**1.2156**	**1.9115**	**.96475**	**.94574**
Stddev	.0192	.00141	.00293	.00245	.0005	.00789	.0169	.0062	.00131	.00246
%RSD	.19614	.29767	24.184	.53062	.02832	1.3894	1.3894	.32539	.13612	.26061
#1	9.7629	.47249	.01006	.45992	1.9026	.57363	1.2276	1.9071	.96568	.94748
#2	9.7900	.47448	.01421	.46338	1.9034	.56247	1.2037	1.9159	.96382	.94400
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						11.000				
Low Limit						9.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95435**	**1.8671**	**2.0247**	**.48407**	**.45986**	**.47643**
Stddev	.00103	.0055	.0493	.00009	.00295	.00136
%RSD	.10760	.29221	2.4348	.01948	.64091	.28635
#1	.95508	1.8632	2.0595	.48400	.46194	.47546
#2	.95363	1.8710	1.9898	.48413	.45778	.47739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8398.6**	**107690.**	**8925.8**
Stddev	1.0	727.	69.2
%RSD	.01215	.67530	.77501
#1	8399.3	107180.	8876.9
#2	8397.8	108210.	8974.7

Sample Name: 280-48933-a-1-a Acquired: 11/9/2013 4:17:45 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00237**	**57.484**	**.02392**	**.00961**	**.46467**	**.00154**	**-.00094**	**104.40**	**.00056**	**.08423**
Stddev	.00054	.180	.00025	.00028	.00155	.00000	.00762	.18	.00039	.00040
%RSD	22.611	.31400	1.0416	2.9258	.33286	.13508	812.84	.16953	69.366	.47826
#1	-.00275	57.356	.02375	.00981	.46576	.00154	-.00633	104.27	.00029	.08452
#2	-.00200	57.612	.02410	.00941	.46358	.00154	.00445	104.52	.00084	.08395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07235**	**.17948**	**232.69**	**6.9041**	**.05895**	**45.583**	**3.0040**	**.00361**	**5.3103**	**.09559**
Stddev	.00035	.00105	.35	.0052	.00181	.091	.0091	.00008	.0022	.00010
%RSD	.48244	.58272	.14980	.07524	3.0633	.20023	.30182	2.2972	.04150	.10418
#1	.07210	.18022	232.44	6.9005	.06023	45.648	2.9976	.00355	5.3087	.09552
#2	.07259	.17874	232.94	6.9078	.05768	45.519	3.0104	.00367	5.3119	.09566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.941**	**.03046**	**2.6384**	**-.00002**	**.00075**	**2.0305**	**4.3452**	**.02115**	**.35728**	**.03067**
Stddev	.013	.00034	.0012	.00243	.00205	.0417	.0893	.00098	.00034	.00193
%RSD	.11554	1.1066	.04639	11235.	273.85	2.0554	2.0554	4.6187	.09491	6.2858
#1	10.932	.03022	2.6376	-.00174	-.00070	2.0600	4.4084	.02046	.35752	.02931
#2	10.950	.03070	2.6393	.00169	.00220	2.0010	4.2821	.02184	.35704	.03203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.350**	**-.00246**	F **-.10640**	**.61881**	**.41675**	**.23472**
Stddev	.314	.00005	.02589	.00094	.00151	.00374
%RSD	1.6238	2.0071	24.336	.15226	.36184	1.5937
#1	19.128	-.00250	-.08809	.61815	.41781	.23208
#2	19.573	-.00243	-.12471	.61948	.41568	.23737
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9426.8**	**119890.**	**10074.**
Stddev	22.2	140.	77.
%RSD	.23544	.11638	.75980
#1	9411.1	119990.	10128.
#2	9442.5	119800.	10020.

Sample Name: 280-48933-a-1-aSD@5 Acquired: 11/9/2013 4:20:16 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**13.633**	**.00816**	**.00307**	**.10942**	**.00040**	**.00408**	**24.720**	**.00059**	**.02093**
Stddev	.00033	.020	.00255	.00023	.00045	.00001	.00276	.084	.00008	.00001
%RSD	66.059	.14951	31.295	7.4558	.40715	3.5943	67.663	.33795	14.199	.06037
#1	-.00027	13.647	.00636	.00323	.10973	.00041	.00603	24.661	.00065	.02093
#2	-.00074	13.619	.00997	.00291	.10910	.00039	.00213	24.779	.00053	.02094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**.04222**	**56.218**	**1.6041**	**.01476**	**10.864**	**.72675**	**.00079**	**1.2056**	**.02298**
Stddev	.00003	.00056	.001	.0077	.00082	.025	.00084	.00006	.0032	.00009
%RSD	.18921	1.3336	.00135	.47893	5.5253	.22660	.11538	7.0032	.26615	.38113
#1	.01756	.04262	56.218	1.6095	.01534	10.846	.72616	.00075	1.2033	.02304
#2	.01752	.04182	56.219	1.5986	.01418	10.881	.72734	.00083	1.2079	.02292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5867**	**.00745**	**.61382**	**-.00130**	**.00070**	**.45209**	**.96747**	**.00642**	**.08422**	**.00614**
Stddev	.0201	.00018	.00018	.00095	.00023	.01664	.03562	.00046	.00017	.00202
%RSD	.77571	2.3657	.02879	73.365	32.203	3.6817	3.6817	7.1980	.20135	32.956
#1	2.5726	.00757	.61369	-.00062	.00054	.44032	.94229	.00675	.08410	.00471
#2	2.6009	.00732	.61394	-.00197	.00086	.46386	.99266	.00609	.08434	.00757
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.6288**	**.00013**	**-.01527**	**.14590**	**.10652**	**.05681**
Stddev	.0011	.00015	.03377	.00065	.00115	.00031
%RSD	.02283	112.23	221.16	.44472	1.0836	.54143
#1	4.6281	.00003	.00861	.14544	.10571	.05703
#2	4.6296	.00024	-.03914	.14636	.10734	.05660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8784.5**	**111790.**	**9139.5**
Stddev	7.0	370.	73.5
%RSD	.07993	.33116	.80443
#1	8779.6	112050.	9191.5
#2	8789.5	111530.	9087.5

Sample Name: 280-48933-a-1-b du Acquired: 11/9/2013 4:22:33 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00306**	**54.030**	**.02528**	**.00841**	**.46287**	**.00143**	**.00321**	**129.05**	**.00079**	**.07961**
Stddev	.00040	.296	.00065	.00006	.00047	.00005	.00214	.60	.00004	.00038
%RSD	12.931	.54868	2.5885	.73050	.10216	3.3201	66.669	.46417	5.4293	.47222
#1	-.00278	53.821	.02481	.00837	.46254	.00140	.00473	128.63	.00082	.07935
#2	-.00334	54.240	.02574	.00845	.46320	.00146	.00170	129.48	.00076	.07988
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06301**	**.17444**	**223.18**	**6.5326**	**.05410**	**45.032**	**2.7646**	**.00327**	**5.2263**	**.10214**
Stddev	.00003	.00024	.63	.0513	.00161	.037	.0015	.00021	.0027	.00018
%RSD	.05065	.13497	.28173	.78531	2.9813	.08288	.05476	6.3002	.05147	.17349
#1	.06299	.17427	222.74	6.4963	.05524	45.006	2.7635	.00341	5.2282	.10202
#2	.06304	.17461	223.63	6.5689	.05296	45.059	2.7656	.00312	5.2244	.10227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.457**	**.02966**	**2.5314**	**-.00527**	**-.00375**	**1.6485**	**3.5278**	**.02164**	**.39689**	**.02813**
Stddev	.004	.00026	.0011	.00193	.00330	.0353	.0756	.00005	.00121	.00129
%RSD	.03695	.89225	.04168	36.652	88.001	2.1432	2.1432	.23233	.30538	4.5812
#1	10.454	.02985	2.5306	-.00663	-.00142	1.6235	3.4743	.02168	.39603	.02904
#2	10.460	.02948	2.5321	-.00390	-.00609	1.6735	3.5812	.02161	.39774	.02722
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.799**	**-.00352**	F **-.13924**	**.58513**	**.40291**	**.23151**
Stddev	.120	.00084	.02033	.00259	.00179	.00519
%RSD	.63677	23.800	14.602	.44285	.44481	2.2419
#1	18.884	-.00412	-.15361	.58330	.40164	.22784
#2	18.715	-.00293	-.12486	.58696	.40418	.23518
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9376.8**	**118970.**	**9933.9**
Stddev	.9	114.	42.6
%RSD	.01007	.09545	.42858
#1	9376.2	118890.	9964.0
#2	9377.5	119050.	9903.8

Sample Name: 280-48933-a-1-c ms Acquired: 11/9/2013 4:25:02 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03969**	**72.698**	**.82082**	**.80206**	**2.1945**	**.04290**	F **1.9453**	**154.70**	**.08893**	**.49133**
Stddev	.00034	.041	.00396	.00064	.0035	.00009	.0031	.14	.00009	.00079
%RSD	.86274	.05708	.48233	.07933	.16081	.21359	.16125	.09265	.10029	.16087
#1	.03944	72.669	.82362	.80161	2.1920	.04283	1.9431	154.59	.08900	.49077
#2	.03993	72.727	.81802	.80251	2.1970	.04296	1.9475	154.80	.08887	.49189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26090**	**.39837**	**246.71**	**52.646**	**.92628**	**93.354**	**3.5785**	**.82988**	**55.253**	**.50517**
Stddev	.00034	.00072	.73	.002	.00246	.051	.0258	.00070	.350	.00127
%RSD	.13146	.18118	.29790	.00344	.26509	.05434	.72007	.08448	.63266	.25164
#1	.26066	.39786	246.19	52.645	.92455	93.319	3.5603	.82938	55.006	.50428
#2	.26114	.39888	247.23	52.648	.92802	93.390	3.5968	.83038	55.500	.50607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.548**	**.43162**	**2.2731**	**.24687**	**1.5817**	**3.3848**	**7.2434**	**1.4394**	**1.2461**	**.87451**
Stddev	.002	.00109	.0043	.00258	.0026	.0998	.2136	.0013	.0018	.00699
%RSD	.01314	.25352	.18804	1.0433	.16355	2.9485	2.9485	.08763	.14598	.79935
#1	18.547	.43084	2.2701	.24504	1.5835	3.3142	7.0924	1.4403	1.2448	.86957
#2	18.550	.43239	2.2762	.24869	1.5798	3.4553	7.3944	1.4385	1.2473	.87946
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **19.563**	**1.5215**	**1.6402**	**1.1099**	**.82511**	**.69814**
Stddev	.154	.0017	.0249	.0026	.00415	.00153
%RSD	.78785	.11192	1.5164	.22944	.50351	.21844
#1	19.454	1.5227	1.6226	1.1081	.82218	.69706
#2	19.672	1.5203	1.6578	1.1117	.82805	.69922
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9359.8**	**118780.**	**10153.**
Stddev	17.7	22.	34.
%RSD	.18864	.01876	.33807
#1	9372.3	118800.	10128.
#2	9347.4	118770.	10177.

Sample Name: 280-48933-a-2-a Acquired: 11/9/2013 4:27:27 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**41.445**	**.01730**	**.00322**	**.36008**	**.00126**	**.00297**	**59.633**	**.00069**	**.07080**
Stddev	.00042	.211	.00012	.00017	.00084	.00004	.00230	.343	.00024	.00034
%RSD	21.510	.50916	.67454	5.2548	.23442	3.0626	77.722	.57577	35.107	.48468
#1	-.00227	41.296	.01739	.00334	.35948	.00128	.00460	59.390	.00086	.07055
#2	-.00167	41.595	.01722	.00310	.36067	.00123	.00134	59.876	.00052	.07104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04268**	**.17871**	**181.03**	**7.0639**	**.04276**	**32.033**	**1.9779**	**.00280**	**4.4747**	**.07880**
Stddev	.00001	.00081	1.36	.0678	.00240	.124	.0032	.00018	.0152	.00038
%RSD	.02031	.45304	.74948	.95945	5.6082	.38836	.16132	6.5870	.33857	.48683
#1	.04269	.17814	180.07	7.0160	.04106	31.945	1.9757	.00267	4.4640	.07853
#2	.04268	.17928	181.99	7.1118	.04445	32.121	1.9802	.00293	4.4854	.07908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.665**	**.02219**	**.82593**	**-.00164**	**-.00072**	**1.0929**	**2.3388**	**.01758**	**.20002**	**.02770**
Stddev	.019	.00095	.00055	.00035	.00010	.0169	.0361	.00077	.00069	.00100
%RSD	.17469	4.2864	.06630	21.392	13.890	1.5419	1.5419	4.3605	.34500	3.5988
#1	10.652	.02287	.82631	-.00188	-.00065	1.0810	2.3133	.01812	.19953	.02700
#2	10.678	.02152	.82554	-.00139	-.00079	1.1048	2.3643	.01704	.20051	.02841
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.815**	**-.00212**	F **-.16919**	**.48068**	**.32300**	**.18879**
Stddev	.108	.00042	.06665	.00027	.00020	.00040
%RSD	.78015	19.771	39.397	.05596	.06341	.21306
#1	13.891	-.00241	-.12205	.48087	.32285	.18907
#2	13.739	-.00182	-.21632	.48049	.32314	.18851
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9618.1**	**121620.**	**10149.**
Stddev	13.8	249.	27.
%RSD	.14297	.20477	.26394
#1	9627.8	121440.	10130.
#2	9608.4	121790.	10168.

Sample Name: 280-48933-a-3-a Acquired: 11/9/2013 4:29:46 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199861 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**62.866**	**.02779**	**.00902**	**.51313**	**.00185**	**-.00039**	**93.172**	**.00089**	**.08069**
Stddev	.00043	.052	.00192	.00046	.00025	.00001	.00369	.024	.00013	.00053
%RSD	19.277	.08347	6.9154	5.1150	.04884	.51628	952.63	.02531	14.781	.65684
#1	-.00254	62.903	.02644	.00935	.51295	.00185	-.00300	93.189	.00099	.08106
#2	-.00193	62.829	.02915	.00870	.51331	.00184	.00222	93.156	.00080	.08031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09118**	**.18951**	**206.64**	**8.8447**	**.06102**	**45.990**	**3.0264**	**.00276**	**3.2007**	**.11872**
Stddev	.00015	.00043	.60	.0263	.00404	.217	.0130	.00030	.0138	.00020
%RSD	.16248	.22445	.29004	.29705	6.6284	.47126	.43008	10.791	.43217	.16918
#1	.09128	.18981	207.06	8.8261	.05816	46.143	3.0172	.00297	3.1910	.11886
#2	.09107	.18921	206.21	8.8633	.06388	45.836	3.0356	.00255	3.2105	.11858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.332**	**.03459**	**.99982**	**-.00349**	W **-.00505**	**2.3846**	**5.1031**	**.01872**	**.32124**	**.03099**
Stddev	.006	.00092	.00471	.00108	.00246	.0574	.1229	.00151	.00046	.00009
%RSD	.05358	2.6624	.47109	30.991	48.714	2.4082	2.4082	8.0728	.14271	.27434
#1	10.336	.03394	1.0032	-.00272	-.00679	2.4252	5.1900	.01765	.32091	.03093
#2	10.328	.03524	.99649	-.00425	-.00331	2.3440	5.0162	.01978	.32156	.03105
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000				5.0000					
Low Limit	-1.0000				-.00500					

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.392**	**-.00199**	F **-.15270**	**.50547**	**.39059**	**.20883**
Stddev	.185	.00078	.01582	.00046	.00083	.00066
%RSD	1.2035	39.072	10.360	.09011	.21310	.31430
#1	15.261	-.00253	-.14151	.50515	.39117	.20837
#2	15.523	-.00144	-.16389	.50580	.39000	.20930
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9411.1**	**118940.**	**9987.7**
Stddev	.8	190.	42.9
%RSD	.00862	.16011	.42969
#1	9411.7	118800.	9957.4
#2	9410.6	119070.	10018.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:32:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00367**	**50.023**	**.00299**	**.00589**	**.00010**	**.00005**	**1.0363**	**.03106**	**.00011**	**-.00068**	**-.00010**	**.00949**	**48.184**
Stddev	.00007	.103	.00321	.00045	.00003	.00003	.0013	.00696	.00002	.00005	.00001	.00013	.134
%RSD	1.8217	.20634	107.60	7.6182	28.464	71.630	.12136	22.411	18.007	8.0115	13.585	1.3360	.27904
#1	.00372	50.096	.00071	.00557	.00012	.00007	1.0354	.03598	.00010	-.00064	-.00009	.00940	48.089
#2	.00362	49.950	.00526	.00621	.00008	.00002	1.0372	.02614	.00013	-.00072	-.00011	.00957	48.279
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02625**	**.00091**	**.08530**	**.00094**	**-.00017**	**262.69**	**-.00008**	**.00672**	**.00231**	**5.0680**	**.00239**	**-.00172**	**.02010**
Stddev	.09727	.00195	.00124	.00009	.00023	.12	.00002	.00263	.00049	.0039	.00091	.00273	.00132
%RSD	370.52	213.01	1.4593	9.4212	131.95	.04596	22.173	39.181	21.198	.07743	37.911	159.10	6.5440
#1	-.04253	.00229	.08442	.00100	-.00001	262.61	-.00007	.00858	.00266	5.0652	.00175	-.00365	.01917
#2	.09503	-.00046	.08618	.00088	-.00033	262.78	-.00010	.00486	.00197	5.0708	.00303	.00021	.02103
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04302**	**-.00020**	**.00050**	**4.8160**	**.00006**	**.00091**	**10.121**	**.00045**	**.00250**	**.02343**
Stddev	.00282	.00013	.00014	.0054	.00054	.00123	.019	.00002	.00037	.00028
%RSD	6.5440	64.218	28.297	.11174	907.99	135.52	.19172	5.5446	14.718	1.1802
#1	.04103	-.00011	.00060	4.8122	.00044	.00177	10.108	.00043	.00276	.02323
#2	.04501	-.00029	.00040	4.8198	-.00032	.00004	10.135	.00046	.00224	.02362
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.4**	**106440.**	**8895.1**
Stddev	14.0	83.	51.4
%RSD	.16578	.07760	.57746
#1	8479.4	106500.	8858.8
#2	8459.5	106380.	8931.4

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:34:31 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50304**	**.51439**	**1.0044**	**.50877**	**.50746**	**.49441**	**.00259**	**4.9974**	**.50525**	**.50294**	**.49859**	**.51459**	**2.4062**
Stddev	.00069	.00235	.0020	.00142	.00217	.00088	.00113	.0106	.00021	.00071	.00023	.00001	.0050
%RSD	.13732	.45655	.20235	.27843	.42715	.17769	43.546	.21158	.04253	.14095	.04516	.00142	.20624
#1	.50255	.51605	1.0030	.50776	.50593	.49379	.00179	5.0048	.50540	.50243	.49875	.51459	2.4027
#2	.50353	.51273	1.0059	.50977	.50899	.49504	.00338	4.9899	.50509	.50344	.49843	.51460	2.4097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.753**	**.99873**	**19.604**	**.49793**	**.50827**	**5.2737**	**.50553**	**1.0124**	**1.0270**	**.00271**	**1.0211**	**1.0075**	**4.8611**
Stddev	.040	.00268	.004	.00093	.00299	.0202	.00070	.0022	.0047	.00198	.0029	.0057	.0094
%RSD	.07778	.26839	.01842	.18753	.58738	.38335	.13847	.21962	.45421	73.131	.28313	.56292	.19320
#1	51.724	.99683	19.601	.49727	.50616	5.2880	.50503	1.0109	1.0237	.00411	1.0190	1.0035	4.8678
#2	51.781	1.0006	19.607	.49859	.51038	5.2594	.50602	1.0140	1.0303	.00131	1.0231	1.0115	4.8545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.403**	**1.0087**	**.50320**	**-.00442**	**.50556**	**1.0184**	**.01531**	**.50654**	**.49820**	**.50499**
Stddev	.020	.0022	.00189	.00135	.00018	.0071	.04769	.00067	.00036	.00144
%RSD	.19320	.21866	.37633	30.628	.03597	.69915	311.45	.13182	.07305	.28573
#1	10.417	1.0071	.50186	-.00538	.50543	1.0134	-.01841	.50701	.49794	.50397
#2	10.389	1.0103	.50453	-.00346	.50569	1.0234	.04903	.50607	.49845	.50601
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8693.1**	**110340.**	**8959.3**
Stddev	9.3	187.	49.8
%RSD	.10723	.16937	.55537
#1	8699.7	110210.	8924.1
#2	8686.5	110470.	8994.5

Sample Name: CCB Acquired: 11/9/2013 4:36:38 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00401**	**.00101**	**.00136**	**.00006**	**.00018**	**.00297**	**.00851**	**.00015**	**-.00005**	**.00011**	**.00045**
Stddev	.00025	.00014	.00308	.00017	.00014	.00004	.00197	.00042	.00002	.00001	.00006	.00001
%RSD	125.70	3.5331	304.56	12.752	244.48	21.017	66.280	4.9544	11.272	22.644	54.012	3.0898
#1	.00002	.00411	-.00117	.00123	.00016	.00021	.00436	.00881	.00014	-.00004	.00015	.00044
#2	.00037	.00391	.00319	.00148	-.00004	.00015	.00158	.00821	.00016	-.00005	.00007	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01678**	**.06109**	W **.00293**	**.00478**	**.00021**	**.00060**	**.00088**	**-.00026**	**.00061**	**.00222**	**.02006**	W **.00612**
Stddev	.00119	.00893	.00216	.00043	.00004	.00018	.01584	.00015	.00072	.00078	.00571	.00227
%RSD	7.0977	14.618	73.917	9.0059	18.097	30.481	1802.8	58.771	116.86	35.190	28.466	37.023
#1	.01763	.05478	.00140	.00508	.00024	.00047	-.01032	-.00037	.00011	.00277	.01602	.00452
#2	.01594	.06741	.00445	.00447	.00019	.00073	.01208	-.00015	.00112	.00167	.02410	.00773
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261									.00314
Low Limit			-.00261									-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.02096**	**.04486**	**.00058**	**.00018**	**-.00245**	F **.00117**	**-.00010**	**.02328**	**-.00054**	W **.00488**	**.00183**
Stddev	.00236	.00184	.00393	.00047	.00003	.00099	.00004	.00111	.02664	.00013	.00011	.00079
%RSD	649.41	8.7605	8.7605	82.392	19.034	40.489	3.1322	1102.8	114.47	24.728	2.3315	43.508
#1	-.00131	.02226	.04764	.00024	.00021	-.00175	.00120	.00068	.04212	-.00044	.00496	.00239
#2	.00203	.01967	.04208	.00091	.00016	-.00316	.00115	-.00089	.00444	-.00063	.00480	.00126
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit							.00100				.00453	
Low Limit							-.00100				-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8554.7**	**110450.**	**8676.6**
Stddev	15.8	53.	22.4
%RSD	.18440	.04838	.25856
#1	8543.5	110410.	8692.5
#2	8565.8	110490.	8660.8

Sample Name: CCVL2367586 Acquired: 11/9/2013 4:38:55 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01009**	**.10773**	**.01663**	**.10163**	**.01010**	**.00108**	**.12809**	**.21271**	**.00544**	**.01041**	**.01050**	**.01589**	**.10490**
Stddev	.00020	.00047	.00033	.00037	.00004	.00007	.00068	.00263	.00028	.00003	.00002	.00032	.00115
%RSD	1.9358	.44054	2.0021	.35985	.42518	6.6813	.52760	1.2368	5.0597	.29524	.20080	2.0395	1.0922
#1	.00996	.10739	.01639	.10137	.01013	.00113	.12856	.21085	.00563	.01044	.01049	.01612	.10409
#2	.01023	.10806	.01686	.10189	.01007	.00103	.12761	.21457	.00524	.01039	.01052	.01566	.10571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1978**	**.01172**	**.20468**	**.01027**	**.02092**	**1.0466**	**.04184**	**2.9862**	**.01002**	**.01172**	**.01190**	**.01411**	**.49671**
Stddev	.0663	.00460	.00093	.00005	.00018	.0023	.00037	.0124	.00031	.00061	.00068	.00092	.00920
%RSD	2.0734	39.203	.45272	.48364	.84233	.22220	.87643	.41567	3.0577	5.2431	5.6777	6.5519	1.8513
#1	3.1509	.00847	.20403	.01023	.02080	1.0482	.04158	2.9950	.00980	.01215	.01142	.01345	.49021
#2	3.2447	.01497	.20534	.01030	.02105	1.0449	.04210	2.9775	.01024	.01128	.01238	.01476	.50321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0630**	**.10458**	**.01033**	**.01457**	**.01088**	**.01599**	F **.08922**	**.00983**	**.02595**	**.01727**
Stddev	.0197	.00054	.00022	.00034	.00052	.00048	.03801	.00007	.00010	.00232
%RSD	1.8513	.51790	2.1214	2.3481	4.7976	3.0070	42.603	.68731	.37345	13.411
#1	1.0490	.10496	.01018	.01481	.01051	.01565	.06235	.00978	.02588	.01563
#2	1.0769	.10419	.01049	.01433	.01125	.01633	.11610	.00987	.02602	.01891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8747.5**	**112650.**	**8907.5**
Stddev	13.2	333.	20.4
%RSD	.15080	.29602	.22933
#1	8738.2	112410.	8922.0
#2	8756.8	112880.	8893.1

Sample Name: mb 280-199862/1-a Acquired: 11/9/2013 4:41:14 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00366**	**.00130**	**.00083**	**-.00009**	**.00005**	**.00259**	**.02871**	**.00026**	**-.00011**
Stddev	.00005	.00006	.00081	.00113	.00008	.00001	.00189	.00115	.00005	.00011
%RSD	17.776	1.5934	62.609	136.56	83.691	14.337	72.856	3.9968	18.716	102.76
#1	.00032	.00371	.00072	.00163	-.00004	.00004	.00126	.02952	.00023	-.00018
#2	.00025	.00362	.00187	.00003	-.00015	.00005	.00393	.02789	.00030	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00100**	**.02108**	**.07348**	**.00260**	**.00297**	**.00016**	**.00001**	**.02421**	**-.00003**
Stddev	.00002	.00003	.00348	.01069	.00141	.00241	.00001	.00032	.00278	.00010
%RSD	9.0271	2.7411	16.493	14.545	54.134	81.178	4.4138	5911.6	11.491	365.99
#1	.00016	.00102	.02354	.06592	.00160	.00468	.00016	-.00022	.02224	.00004
#2	.00018	.00098	.01862	.08103	.00359	.00127	.00015	.00023	.02617	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00281**	**.00083**	**.01922**	**.00061**	**.00093**	**.00039**	**.00083**	**.00284**	**.00013**	**-.00005**
Stddev	.00050	.00058	.00314	.00092	.00018	.00343	.00735	.00035	.00004	.00035
%RSD	17.810	70.016	16.347	150.80	19.773	887.90	887.90	12.152	33.874	669.24
#1	.00316	.00124	.02144	-.00004	.00106	.00281	.00602	.00309	.00010	.00020
#2	.00246	.00042	.01700	.00127	.00080	-.00204	-.00437	.00260	.00016	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00029**	**.01878**	**-.00022**	**.00419**	**.00214**
Stddev	.00009	.00061	.01989	.00015	.00028	.00125
%RSD	17.421	210.77	105.90	64.901	6.6281	58.279
#1	.00044	.00072	.03285	-.00033	.00400	.00126
#2	.00056	-.00014	.00472	-.00012	.00439	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8864.8**	**115550.**	**9216.5**
Stddev	22.1	271.	59.5
%RSD	.24887	.23455	.64535
#1	8880.4	115360.	9174.5
#2	8849.2	115740.	9258.6

Sample Name: lcs 280-199862/2-a Acquired: 11/9/2013 4:43:31 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04839**	**1.8343**	**.98174**	**.96845**	**1.9672**	**.04784**	**2.2792**	**47.351**	**.10187**	**.47881**
Stddev	.00034	.0032	.00425	.00044	.0060	.00002	.0047	.051	.00042	.00074
%RSD	.70574	.17636	.43303	.04559	.30254	.03595	.20438	.10801	.41598	.15356
#1	.04863	1.8320	.98475	.96814	1.9714	.04783	2.2825	47.387	.10217	.47829
#2	.04814	1.8366	.97874	.96876	1.9630	.04785	2.2759	47.315	.10157	.47933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19606**	**.25247**	**.94650**	**50.364**	**.96907**	**46.915**	**.47524**	**.99535**	**52.909**	**.48394**
Stddev	.00014	.00036	.00653	.169	.00398	.031	.00012	.00209	.188	.00097
%RSD	.07346	.14068	.68990	.33599	.41107	.06620	.02506	.20984	.35451	.20084
#1	.19596	.25222	.94188	50.483	.97189	46.893	.47515	.99387	53.042	.48326
#2	.19616	.25273	.95111	50.244	.96626	46.937	.47532	.99683	52.776	.48463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.022**	**.48242**	**.00684**	**.46578**	**1.9371**	F **.50884**	**1.0889**	**1.9523**	**.97597**	**.96275**
Stddev	.015	.00227	.00230	.00260	.0054	.00818	.0175	.0053	.00258	.00501
%RSD	.14802	.46987	33.592	.55724	.27948	1.6075	1.6075	.27373	.26451	.52040
#1	10.012	.48082	.00522	.46762	1.9409	.50306	1.0765	1.9560	.97779	.95921
#2	10.033	.48402	.00847	.46395	1.9332	.51463	1.1013	1.9485	.97414	.96629
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96851**	**1.8861**	**2.0545**	**.49128**	**.47121**	**.48779**
Stddev	.00208	.0078	.0285	.00100	.00143	.00097
%RSD	.21491	.41600	1.3865	.20352	.30443	.19963
#1	.96704	1.8917	2.0344	.49057	.47019	.48848
#2	.96998	1.8806	2.0747	.49199	.47222	.48710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8426.1**	**108040.**	**8940.4**
Stddev	25.2	214.	21.2
%RSD	.29960	.19809	.23669
#1	8443.9	107890.	8925.4
#2	8408.2	108190.	8955.3

Sample Name: 280-48932-a-1-a Acquired: 11/9/2013 4:45:38 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00167**	**88.030**	**.05817**	**.00831**	**.79742**	**.00284**	**-.00938**	**145.54**	**.00184**	**.08337**
Stddev	.00014	.169	.00186	.00015	.00103	.00005	.00003	.02	.00015	.00074
%RSD	8.4181	.19248	3.2048	1.7537	.12905	1.5891	.27696	.01562	7.9685	.89007
#1	-.00177	87.910	.05685	.00820	.79669	.00281	-.00936	145.52	.00194	.08390
#2	-.00157	88.150	.05948	.00841	.79815	.00288	-.00940	145.56	.00174	.08285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14370**	**.21386**	**221.58**	**15.471**	**.12000**	**63.285**	**3.6086**	**.00412**	**2.4339**	**.15184**
Stddev	.00085	.00084	.01	.042	.00160	.078	.0348	.00021	.0048	.00088
%RSD	.58874	.39284	.00334	.26971	1.3338	.12286	.96572	5.0824	.19646	.58120
#1	.14430	.21445	221.57	15.441	.12113	63.340	3.5840	.00427	2.4306	.15246
#2	.14310	.21326	221.58	15.500	.11887	63.230	3.6333	.00398	2.4373	.15122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6109**	**.06834**	**.39611**	**.00174**	**.00039**	**1.9113**	**4.0901**	**.01663**	**.51658**	**.04783**
Stddev	.0116	.00085	.00583	.00186	.00018	.0146	.0312	.00007	.00041	.00039
%RSD	.13472	1.2400	1.4712	106.72	46.433	.76169	.76169	.42793	.08030	.81306
#1	8.6191	.06893	.40023	.00043	.00051	1.9216	4.1121	.01658	.51628	.04755
#2	8.6027	.06774	.39199	.00305	.00026	1.9010	4.0681	.01668	.51687	.04810
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.039**	**-.00284**	F **-.17352**	**.48390**	**.71339**	**.14190**
Stddev	.041	.00158	.01090	.00043	.00230	.00025
%RSD	.33826	55.726	6.2833	.08855	.32226	.17311
#1	12.011	-.00396	-.16581	.48421	.71501	.14208
#2	12.068	-.00172	-.18123	.48360	.71176	.14173
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9167.0**	**116850.**	**9916.0**
Stddev	14.1	264.	16.5
%RSD	.15395	.22626	.16628
#1	9157.0	116660.	9904.4
#2	9177.0	117030.	9927.7

Sample Name: 280-48932-a-1-aSD@5 Acquired: 11/9/2013 4:48:07 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**20.199**	**.01203**	**.00343**	**.18183**	**.00076**	**-.00193**	**33.565**	**.00054**	**.01990**
Stddev	.00030	.011	.00138	.00020	.00010	.00004	.00005	.059	.00007	.00005
%RSD	99.219	.05546	11.468	5.8193	.05611	5.1388	2.6117	.17663	12.298	.23354
#1	-.00052	20.191	.01301	.00357	.18175	.00078	-.00196	33.607	.00059	.01987
#2	-.00009	20.207	.01106	.00329	.18190	.00073	-.00189	33.523	.00049	.01993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03353**	**.04858**	**51.763**	**3.5089**	**.02584**	**14.557**	**.84958**	**.00087**	**.49999**	**.03571**
Stddev	.00007	.00028	.364	.0550	.00118	.033	.00132	.00010	.01207	.00012
%RSD	.20245	.57530	.70389	1.5686	4.5821	.22660	.15536	11.927	2.4146	.35004
#1	.03358	.04838	52.021	3.5478	.02668	14.581	.85051	.00080	.50852	.03579
#2	.03348	.04878	51.506	3.4699	.02500	14.534	.84864	.00094	.49145	.03562
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9588**	**.01688**	**.09749**	**-.00282**	**.00137**	**.42050**	**.89987**	**.00518**	**.11829**	**.01233**
Stddev	.0089	.00070	.00523	.00049	.00315	.00189	.00406	.00038	.00003	.00017
%RSD	.45636	4.1662	5.3672	17.382	230.26	.45064	.45064	7.3651	.02327	1.3790
#1	1.9652	.01737	.09379	-.00248	-.00086	.41916	.89700	.00491	.11830	.01245
#2	1.9525	.01638	.10119	-.00317	.00360	.42184	.90274	.00545	.11827	.01221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.7845**	**.00000**	**-.03702**	**.11085**	**.17202**	**.03504**
Stddev	.0004	.00126	.02194	.00014	.00203	.00012
%RSD	.01330	14e6	59.273	.12376	1.1804	.33815
#1	2.7842	-.00089	-.02150	.11095	.17346	.03512
#2	2.7848	.00089	-.05254	.11076	.17059	.03496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8794.4**	**112250.**	**9114.6**
Stddev	30.7	438.	28.2
%RSD	.34899	.38996	.30898
#1	8772.7	111940.	9134.5
#2	8816.1	112560.	9094.7

Sample Name: 280-48932-a-1-b du Acquired: 11/9/2013 4:50:22 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00197**	**58.058**	**.02267**	**.00439**	**.54726**	**.00170**	**-.00533**	**71.140**	**.00086**	**.06950**
Stddev	.00044	.027	.00241	.00007	.00160	.00000	.00111	.086	.00017	.00018
%RSD	22.266	.04568	10.610	1.5808	.29160	.16161	20.751	.12153	20.139	.26186
#1	-.00228	58.039	.02097	.00435	.54613	.00170	-.00455	71.079	.00098	.06962
#2	-.00166	58.077	.02437	.00444	.54839	.00170	-.00611	71.201	.00073	.06937
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06840**	**.15714**	**186.40**	**8.7414**	**.06057**	**39.975**	**2.4210**	**.00232**	**2.7086**	**.08633**
Stddev	.00003	.00017	.67	.0063	.00177	.048	.0032	.00001	.0095	.00023
%RSD	.05027	.11107	.36075	.07213	2.9299	.12040	.13382	.47242	.35053	.26196
#1	.06838	.15726	185.92	8.7458	.05932	39.941	2.4233	.00232	2.7019	.08617
#2	.06843	.15701	186.87	8.7369	.06183	40.009	2.4187	.00231	2.7153	.08649
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.772**	**.03554**	**.56507**	**-.00170**	**-.00172**	**1.6209**	**3.4688**	**.01555**	**.30005**	**.02998**
Stddev	.036	.00066	.00721	.00037	.00089	.0140	.0299	.00008	.00100	.00058
%RSD	.33517	1.8621	1.2751	21.932	51.909	.86211	.86211	.51932	.33465	1.9350
#1	10.747	.03507	.55997	-.00196	-.00235	1.6308	3.4900	.01561	.29934	.02957
#2	10.798	.03601	.57016	-.00143	-.00109	1.6111	3.4477	.01549	.30076	.03039
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.144**	**-.00207**	F **-.14911**	**.46841**	**.54291**	**.19193**
Stddev	.048	.00012	.01604	.00107	.00075	.00298
%RSD	.39716	5.5602	10.759	.22797	.13868	1.5522
#1	12.110	-.00199	-.16045	.46765	.54237	.18982
#2	12.178	-.00215	-.13777	.46916	.54344	.19404
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9536.0**	**121520.**	**10271.**
Stddev	1.0	43.	23.
%RSD	.01044	.03566	.22108
#1	9536.7	121490.	10255.
#2	9535.3	121550.	10287.

Sample Name: 280-48932-a-1-c ms Acquired: 11/9/2013 4:52:44 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199862 SOIL 6010B WC

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04118**	**71.775**	**.83517**	**.82267**	**2.4769**	**.04343**	F **1.9809**	**122.14**	**.08996**	**.48780**
Stddev	.00020	.048	.00154	.00057	.0089	.00008	.0029	.22	.00054	.00050
%RSD	.48142	.06717	.18430	.06926	.35764	.17607	.14672	.18147	.59544	.10198
#1	.04132	71.741	.83408	.82308	2.4706	.04337	1.9788	121.98	.08958	.48744
#2	.04104	71.809	.83626	.82227	2.4832	.04348	1.9829	122.30	.09034	.48815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25605**	**.38352**	**210.12**	**54.599**	**.91957**	**87.920**	**3.5630**	**.84363**	**52.005**	**.50682**
Stddev	.00005	.00032	.70	.042	.00307	.108	.0116	.00077	.114	.00029
%RSD	.01942	.08448	.33127	.07661	.33351	.12325	.32519	.09167	.21893	.05702
#1	.25601	.38329	209.63	54.569	.91741	87.997	3.5712	.84417	52.085	.50662
#2	.25608	.38375	210.62	54.628	.92174	87.844	3.5548	.84308	51.924	.50703
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **18.216**	**.45125**	**.93340**	**.23997**	**1.6308**	**3.9149**	**8.3778**	**1.3746**	**1.2094**	**.87462**
Stddev	.014	.00045	.00460	.00210	.0029	.0120	.0256	.0043	.0038	.00181
%RSD	.07707	.10062	.49308	.87476	.17858	.30570	.30570	.31068	.31631	.20642
#1	18.226	.45157	.93015	.23848	1.6288	3.9233	8.3959	1.3716	1.2067	.87590
#2	18.206	.45093	.93666	.24145	1.6329	3.9064	8.3597	1.3776	1.2121	.87335
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.228**	**1.5585**	**1.6289**	**.92442**	**.96277**	**.62904**
Stddev	.058	.0059	.0144	.00033	.00181	.00068
%RSD	.43794	.37760	.88136	.03551	.18817	.10796
#1	13.268	1.5544	1.6390	.92419	.96406	.62856
#2	13.187	1.5627	1.6187	.92465	.96149	.62952
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000					
Low Limit	-.01000					

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9298.9**	**118420.**	**10096.**
Stddev	5.4	186.	51.
%RSD	.05810	.15713	.50059
#1	9295.1	118290.	10060.
#2	9302.7	118550.	10131.

Sample Name: CCVH-2357613 Acquired: 11/9/2013 4:55:02 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00413**	**50.102**	**.00345**	**.00623**	**.00048**	**.00006**	**1.0393**	**.03745**	**.00005**	**-.00078**	**-.00002**	**.00925**
Stddev	.00009	.187	.00039	.00030	.00047	.00009	.0070	.01155	.00015	.00013	.00015	.00039
%RSD	2.2671	.37419	11.359	4.8268	98.041	140.54	.67595	30.832	294.41	16.803	859.68	4.1808
#1	.00419	50.235	.00317	.00601	.00081	.00000	1.0443	.04562	-.00006	-.00068	-.00013	.00898
#2	.00406	49.970	.00373	.00644	.00015	.00012	1.0343	.02929	.00016	-.00087	.00009	.00952
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.926**	**.10675**	**.00204**	**.08651**	**.00089**	**.00015**	**263.58**	**-.00017**	**.00418**	**.00192**	**5.0265**	**.00252**
Stddev	.028	.00313	.00214	.00236	.00002	.00026	.32	.00003	.00032	.00112	.0135	.00150
%RSD	.05793	2.9301	104.63	2.7244	2.5183	170.22	.12284	18.979	7.6826	58.204	.26803	59.572
#1	47.906	.10454	.00053	.08818	.00091	.00034	263.81	-.00019	.00440	.00271	5.0360	.00146
#2	47.945	.10896	.00355	.08484	.00088	-.00003	263.35	-.00015	.00395	.00113	5.0170	.00358
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.02559**	**.05477**	**-.00039**	**.00067**	W **4.7459**	**-.00228**	**.00129**	**9.9947**	**.00069**	**.00206**	**.02640**
Stddev	.00264	.00653	.01398	.00040	.00021	.0076	.00019	.00008	.0082	.00018	.00004	.00011
%RSD	2347.4	25.522	25.522	103.35	31.737	.16003	8.4211	6.1815	.08193	26.405	1.7423	.42928
#1	.00198	.03021	.06465	-.00010	.00083	4.7405	-.00215	.00135	10.000	.00056	.00208	.02632
#2	-.00176	.02097	.04488	-.00067	.00052	4.7512	-.00242	.00124	9.9889	.00082	.00203	.02648
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8566.3**	**108480.**	**9025.3**
Stddev	19.8	466.	19.7
%RSD	.23168	.43003	.21827
#1	8580.3	108810.	9011.4
#2	8552.3	108150.	9039.2

Sample Name: CCV-2357614 Acquired: 11/9/2013 4:57:24 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49910**	**.50511**	**1.0153**	**.51573**	**.50235**	**.49295**	**.00219**	**4.9657**	**.50853**	**.50402**	**.50355**	**.51063**	**2.3653**
Stddev	.00055	.00123	.0015	.00152	.00185	.00196	.00044	.0125	.00075	.00030	.00037	.00035	.0149
%RSD	.10994	.24316	.14898	.29557	.36875	.39834	19.909	.25141	.14738	.05985	.07396	.06791	.63045
#1	.49949	.50597	1.0142	.51465	.50104	.49156	.00250	4.9568	.50800	.50423	.50329	.51038	2.3548
#2	.49871	.50424	1.0164	.51681	.50366	.49434	.00188	4.9745	.50906	.50381	.50381	.51087	2.3759
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.559**	**.98955**	**19.497**	**.49145**	**.51594**	**5.2694**	**.50834**	**1.0250**	**1.0367**	**.00251**	**1.0274**	**1.0186**	**4.8135**
Stddev	.208	.00371	.056	.00013	.00036	.0084	.00010	.0001	.0035	.00461	.0049	.0082	.0147
%RSD	.40274	.37472	.28622	.02703	.07050	.15997	.01968	.01162	.34049	183.81	.48103	.80188	.30427
#1	51.412	.98692	19.536	.49135	.51620	5.2635	.50827	1.0251	1.0342	.00577	1.0239	1.0128	4.8032
#2	51.706	.99217	19.457	.49154	.51568	5.2754	.50841	1.0249	1.0392	-.00075	1.0309	1.0243	4.8239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.301**	**1.0207**	**.50070**	**-.00366**	**.49591**	**1.0222**	**-.00611**	**.50237**	**.49372**	**.49472**
Stddev	.031	.0022	.00211	.00022	.00106	.0001	.02917	.00133	.00107	.00513
%RSD	.30427	.21045	.42117	6.0448	.21440	.01033	477.59	.26458	.21596	1.0377
#1	10.279	1.0192	.49921	-.00381	.49516	1.0223	-.02674	.50143	.49296	.49109
#2	10.323	1.0222	.50219	-.00350	.49666	1.0222	.01452	.50331	.49447	.49835
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8716.5**	**111980.**	**9047.1**
Stddev	14.8	307.	76.0
%RSD	.17026	.27392	.83990
#1	8706.0	111770.	9100.8
#2	8727.0	112200.	8993.3

Sample Name: CCB Acquired: 11/9/2013 4:59:32 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.01255**	**.00104**	**.00207**	**-.00013**	**.00010**	**.00204**	**.00276**	**.00036**	**-.00008**	**.00014**	**.00023**
Stddev	.00030	.00925	.00176	.00009	.00039	.00007	.00095	.00018	.00015	.00026	.00005	.00006
%RSD	150.98	73.665	169.53	4.1242	293.30	69.379	46.657	6.6384	41.721	311.78	39.467	26.959
#1	-.00001	.01909	-.00021	.00201	-.00040	.00005	.00272	.00289	.00025	.00010	.00018	.00019
#2	.00041	.00601	.00228	.00213	.00014	.00015	.00137	.00263	.00047	-.00027	.00010	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00783**	**.08512**	W **.00279**	**.00396**	**.00017**	**.00057**	**-.00719**	**.00002**	**.00160**	**.00100**	**.00548**	F **.00670**
Stddev	.00008	.00964	.00307	.00201	.00005	.00038	.00197	.00001	.00176	.00043	.00057	.00096
%RSD	.96178	11.328	109.94	50.792	30.182	66.286	27.422	54.005	110.42	42.895	10.488	14.282
#1	.00788	.09194	.00496	.00538	.00013	.00083	-.00859	.00003	.00284	.00131	.00588	.00737
#2	.00777	.07830	.00062	.00254	.00020	.00030	-.00580	.00001	.00035	.00070	.00507	.00602
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00261									.00628
Low Limit			-.00261									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**.01193**	**.02553**	**.00039**	**.00016**	**-.00078**	**.00031**	**.00016**	**-.00104**	**-.00021**	**.00433**	**.00091**
Stddev	.00108	.00787	.01684	.00009	.00006	.00014	.00021	.00078	.04050	.00007	.00005	.00017
%RSD	53.304	65.986	65.986	22.354	34.008	18.386	69.193	501.55	3890.5	31.057	1.2495	18.640
#1	.00279	.00636	.01362	.00045	.00012	-.00088	.00046	.00070	-.02968	-.00017	.00429	.00079
#2	.00126	.01749	.03744	.00033	.00020	-.00067	.00016	-.00039	.02760	-.00026	.00436	.00103
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8618.7**	**112530.**	**8829.4**
Stddev	23.7	126.	93.7
%RSD	.27500	.11157	1.0617
#1	8601.9	112440.	8895.7
#2	8635.5	112620.	8763.1

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:01:50 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00982**	**.10867**	**.01657**	**.10310**	**.01001**	**.00113**	F **.13051**	**.21267**	**.00559**	**.01062**	**.01074**	**.01623**	**.10550**
Stddev	.00010	.00010	.00394	.00083	.00001	.00001	.00050	.00173	.00013	.00020	.00003	.00032	.00159
%RSD	1.0425	.09568	23.751	.80591	.14858	1.1323	.38433	.81373	2.3436	1.8536	.26302	1.9865	1.5096
#1	.00974	.10859	.01935	.10368	.01000	.00113	.13087	.21145	.00550	.01076	.01072	.01600	.10437
#2	.00989	.10874	.01379	.10251	.01002	.00114	.13016	.21390	.00568	.01048	.01076	.01645	.10663
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2270**	**.01271**	**.21163**	**.01045**	**.02154**	**1.0650**	**.04253**	**3.0528**	**.01091**	**.00775**	**.00995**	**.01597**	**.50680**
Stddev	.0442	.00154	.00083	.00001	.00009	.0041	.00049	.0056	.00055	.00097	.00248	.00142	.02266
%RSD	1.3705	12.093	.39017	.08947	.40095	.38699	1.1467	.18338	5.0377	12.481	24.918	8.9147	4.4713
#1	3.2583	.01162	.21105	.01045	.02160	1.0680	.04288	3.0568	.01130	.00707	.01170	.01497	.49077
#2	3.1958	.01379	.21222	.01046	.02148	1.0621	.04219	3.0488	.01052	.00843	.00820	.01698	.52282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0845**	**.10742**	**.01046**	**.01489**	**.01104**	**.01547**	F **.09128**	**.01003**	**.02498**	**.01641**
Stddev	.0485	.00001	.00007	.00103	.00006	.00044	.00210	.00028	.00022	.00033
%RSD	4.4713	.00706	.67877	6.9201	.53620	2.8402	2.3007	2.7808	.89963	1.9986
#1	1.0503	.10743	.01041	.01416	.01100	.01579	.09276	.00984	.02483	.01618
#2	1.1188	.10742	.01051	.01562	.01108	.01516	.08979	.01023	.02514	.01664
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8724.5**	**112590.**	**8872.7**
Stddev	12.3	69.	36.9
%RSD	.14052	.06089	.41562
#1	8715.9	112540.	8898.8
#2	8733.2	112640.	8846.7

Sample Name: mb 280-199785/1-a Acquired: 11/9/2013 5:04:08 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00466**	**.00008**	**.00129**	**-.00009**	**.00008**	**.00262**	**.00988**	**.00030**	**.00001**
Stddev	.00048	.00007	.00156	.00049	.00006	.00006	.00001	.00156	.00007	.00009
%RSD	319.43	1.4217	1961.6	38.317	66.007	79.671	.45967	15.834	23.276	828.33
#1	.00049	.00462	-.00103	.00164	-.00014	.00012	.00263	.01098	.00035	.00007
#2	-.00019	.00471	.00119	.00094	-.00005	.00003	.00262	.00877	.00025	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00046**	**.00783**	**.05678**	**.00099**	**.00439**	**.00017**	**.00013**	**-.03043**	**-.00001**
Stddev	.00014	.00010	.00150	.04580	.00063	.00323	.00008	.00028	.01376	.00019
%RSD	79.050	22.078	19.194	80.662	63.389	73.462	45.319	216.62	45.231	2477.2
#1	.00027	.00039	.00677	.08916	.00055	.00211	.00023	.00032	-.04017	.00012
#2	.00008	.00054	.00889	.02439	.00143	.00667	.00012	-.00007	-.02070	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00125**	**.00435**	**.00038**	**.00032**	**-.00464**	**-.00992**	**-.00074**	**.00008**	W **.00041**
Stddev	.00010	.00034	.00337	.00038	.00004	.01200	.02567	.00108	.00005	.00000
%RSD	5.0006	27.444	77.469	100.80	13.437	258.76	258.76	145.50	58.334	.16931
#1	.00199	.00149	.00197	.00011	.00029	.00385	.00823	-.00151	.00012	.00041
#2	.00213	.00101	.00674	.00065	.00035	-.01312	-.02807	.00002	.00005	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**-.00037**	**.00941**	**-.00038**	W **.00375**	**.00302**
Stddev	.00006	.00001	.02223	.00088	.00039	.00000
%RSD	9.5460	3.8818	236.19	232.81	10.416	.10569
#1	.00063	-.00036	-.00631	-.00100	.00348	.00302
#2	.00055	-.00038	.02513	.00025	.00403	.00302
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8830.9**	**115190.**	**9029.0**
Stddev	2.9	56.	26.3
%RSD	.03310	.04850	.29088
#1	8828.8	115230.	9047.6
#2	8833.0	115150.	9010.5

Sample Name: lcs 280-199785/2-a Acquired: 11/9/2013 5:06:26 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05024**	**1.8843**	**1.0158**	**1.0258**	**2.0503**	**.04982**	**2.3576**	**49.419**	**.10553**	**.49313**
Stddev	.00039	.0008	.0010	.0010	.0011	.00005	.0019	.004	.00016	.00009
%RSD	.76715	.04400	.10120	.09289	.05348	.09438	.07945	.00834	.14907	.01800
#1	.05051	1.8837	1.0151	1.0265	2.0495	.04979	2.3589	49.422	.10542	.49320
#2	.04997	1.8849	1.0166	1.0252	2.0511	.04986	2.3563	49.416	.10564	.49307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20377**	**.25956**	**.95028**	**52.703**	**1.0054**	**48.906**	**.49000**	**1.0423**	**54.943**	**.49796**
Stddev	.00023	.00074	.00129	.057	.0020	.186	.00178	.0008	.156	.00008
%RSD	.11220	.28605	.13592	.10818	.20267	.38028	.36394	.07265	.28431	.01650
#1	.20361	.25904	.95119	52.663	1.0039	48.774	.48874	1.0428	55.054	.49802
#2	.20393	.26009	.94937	52.744	1.0068	49.037	.49126	1.0418	54.833	.49791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.361**	**.49798**	**-.00058**	**.50934**	**2.0202**	**9.9557**	**21.305**	**2.0317**	**1.0185**	**.99134**
Stddev	.013	.00062	.00233	.00676	.0055	.0736	.158	.0072	.0002	.00538
%RSD	.12828	.12356	404.17	1.3271	.27272	.73936	.73936	.35637	.01682	.54227
#1	10.370	.49755	.00107	.51412	2.0241	9.9036	21.194	2.0369	1.0184	.98754
#2	10.351	.49842	-.00222	.50456	2.0163	10.008	21.417	2.0266	1.0186	.99514
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0071**	**1.9449**	**2.1469**	**.51219**	**.48856**	**.51463**
Stddev	.0036	.0047	.0250	.00284	.00316	.00473
%RSD	.35380	.24327	1.1667	.55424	.64780	.91933
#1	1.0046	1.9482	2.1646	.51018	.48632	.51129
#2	1.0096	1.9415	2.1292	.51420	.49079	.51798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8449.4**	**108270.**	**8879.7**
Stddev	2.2	393.	19.3
%RSD	.02562	.36328	.21784
#1	8451.0	108550.	8893.3
#2	8447.9	107990.	8866.0

Sample Name: 280-48907-f-1-a Acquired: 11/9/2013 5:08:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.05334**	**.00386**	**.21931**	**.16336**	**.00012**	**-.00307**	**71.867**	**.00048**	**.00014**
Stddev	.00024	.00005	.00142	.00004	.00055	.00009	.00068	.123	.00010	.00005
%RSD	142.67	.08963	36.778	.02015	.33579	74.385	22.190	.17150	19.861	37.672
#1	-.00034	.05337	.00286	.21934	.16375	.00006	-.00259	71.954	.00055	.00011
#2	.00000	.05330	.00487	.21928	.16297	.00019	-.00355	71.779	.00041	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00335**	**.03554**	**10.455**	**.03853**	**10.910**	**.00600**	**.08963**	**382.62**	**.00488**
Stddev	.00010	.00015	.00106	.049	.00042	.001	.00003	.00009	.71	.00005
%RSD	12.296	4.3880	2.9760	.46734	1.1015	.00833	.42201	.10013	.18489	1.0981
#1	.00088	.00345	.03629	10.420	.03883	10.909	.00601	.08969	383.12	.00485
#2	.00074	.00324	.03479	10.489	.03823	10.911	.00598	.08957	382.12	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06283**	**.00058**	**77.008**	**-.00021**	**.04058**	**8.5983**	**18.400**	**.00019**	**.65774**	**-.00331**
Stddev	.00203	.00181	.091	.00149	.00242	.0160	.034	.00017	.00202	.00138
%RSD	3.2257	310.61	.11872	711.02	5.9704	.18575	.18575	91.966	.30646	41.833
#1	.06140	-.00070	76.944	-.00126	.03887	8.5870	18.376	.00031	.65917	-.00233
#2	.06426	.00186	77.073	.00084	.04230	8.6095	18.424	.00007	.65632	-.00429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00051**	**.03301**	**.00233**	**.00805**	**.00295**
Stddev	.00005	.00114	.00567	.00008	.00020	.00077
%RSD	11.121	225.31	17.174	3.3660	2.4387	26.105
#1	.00041	-.00030	.03702	.00227	.00791	.00241
#2	.00048	.00131	.02900	.00238	.00819	.00350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8275.5**	**104490.**	**8932.1**
Stddev	7.1	96.	14.3
%RSD	.08563	.09179	.16037
#1	8280.5	104560.	8942.2
#2	8270.5	104420.	8921.9

Sample Name: 280-48907-f-1-aSD@5 Acquired: 11/9/2013 5:10:55 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.02271**	**-.00081**	**.04884**	**.03494**	**.00011**	**.00059**	**15.626**	**.00045**	**-.00014**
Stddev	.00063	.00008	.00214	.00038	.00007	.00002	.00069	.033	.00016	.00003
%RSD	313.30	.35507	262.70	.77655	.19674	18.780	116.85	.21090	36.120	23.018
#1	-.00024	.02277	.00070	.04911	.03499	.00009	.00010	15.649	.00056	-.00016
#2	.00064	.02266	-.00233	.04857	.03489	.00012	.00108	15.602	.00033	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00101**	**.02425**	**2.2901**	**.01024**	**2.4081**	**.00149**	**.01930**	**82.702**	**.00115**
Stddev	.00006	.00019	.00136	.0466	.00095	.0031	.00004	.00021	.151	.00019
%RSD	22.414	18.689	5.6159	2.0364	9.2430	.12917	2.7350	1.0697	.18298	16.243
#1	.00028	.00114	.02521	2.3231	.00957	2.4059	.00152	.01945	82.809	.00102
#2	.00021	.00088	.02329	2.2571	.01091	2.4103	.00147	.01916	82.595	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01393**	**.00036**	**15.901**	**-.00090**	**.01067**	**1.8532**	**3.9659**	**.00246**	**.14277**	**-.00287**
Stddev	.00037	.00071	.013	.00147	.00084	.0048	.0104	.00019	.00003	.00015
%RSD	2.6907	197.69	.08330	162.87	7.9081	.26126	.26126	7.6379	.02399	5.2967
#1	.01366	.00086	15.892	.00014	.01008	1.8498	3.9585	.00259	.14275	-.00298
#2	.01419	-.00014	15.910	-.00195	.01127	1.8566	3.9732	.00233	.14280	-.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00053**	**.01811**	**-.00011**	**.01201**	**.00109**
Stddev	.00012	.00043	.00828	.00020	.00044	.00150
%RSD	211.77	80.988	45.713	176.02	3.6454	138.00
#1	-.00003	.00023	.01226	-.00025	.01170	.00215
#2	.00015	.00083	.02397	.00003	.01232	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8470.2**	**108610.**	**8872.0**
Stddev	27.4	382.	33.8
%RSD	.32312	.35203	.38057
#1	8450.9	108340.	8895.8
#2	8489.6	108880.	8848.1

Sample Name: 280-48907-f-1-b ms Acquired: 11/9/2013 5:13:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05200**	**1.9225**	W **2.3797**	**1.0801**	**1.2578**	**2.2833**	**.05177**	F **2.3844**	**124.06**	**.10982**
Stddev	.00125	.0002	.0036	.0026	.0017	.0089	.00036	.0004	.60	.00013
%RSD	2.3985	.01153	.15213	.23815	.13470	.39214	.70158	.01853	.48532	.11566
#1	.05288	1.9224	2.3822	1.0819	1.2590	2.2896	.05203	2.3841	124.48	.10973
#2	.05112	1.9227	2.3771	1.0783	1.2566	2.2770	.05152	2.3848	123.63	.10991
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50004**	**.20892**	**.27107**	**1.0031**	**66.338**	**1.0844**	**60.374**	**.50911**	**1.1673**	**449.15**
Stddev	.00107	.00037	.00055	.0033	.034	.0034	.008	.00026	.0014	2.05
%RSD	.21306	.17915	.20178	.33107	.05137	.31388	.01247	.05074	.12005	.45550
#1	.49929	.20866	.27068	1.0055	66.362	1.0868	60.368	.50930	1.1683	450.60
#2	.50080	.20919	.27145	1.0008	66.314	1.0820	60.379	.50893	1.1663	447.71
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50991**	W **11.174**	**.49346**	**78.006**	**.52219**	**2.1340**	**19.057**	**40.782**	W **2.0580**	**1.7313**
Stddev	.00007	.002	.00088	.022	.00455	.0038	.016	.034	.0007	.0065
%RSD	.01340	.01820	.17859	.02765	.87178	.17742	.08331	.08331	.03522	.37599
#1	.50987	11.172	.49409	77.991	.52540	2.1367	19.068	40.806	2.0585	1.7359
#2	.50996	11.175	.49284	78.022	.51897	2.1313	19.046	40.758	2.0575	1.7267
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		2.0000							2.0000	
Low Limit		-1.0000							-.05000	

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0327**	**1.0453**	**1.8405**	**2.1626**	**.53334**	**.51187**	**.53370**
Stddev	.0010	.0003	.0024	.0549	.00030	.00163	.00173
%RSD	.09367	.03202	.13329	2.5391	.05632	.31881	.32435
#1	1.0334	1.0455	1.8422	2.1237	.53355	.51302	.53492
#2	1.0320	1.0450	1.8387	2.2014	.53313	.51072	.53247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.2**	**102950.**	**8743.2**
Stddev	11.9	138.	41.7
%RSD	.14721	.13360	.47682
#1	8082.8	102850.	8772.6
#2	8099.6	103050.	8713.7

Sample Name: 280-48907-f-1-c msd Acquired: 11/9/2013 5:15:25 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05137**	**1.8933**	**1.0613**	**1.2296**	**2.2261**	**.05055**	F **2.3375**	**120.77**	**.10776**	**.49168**
Stddev	.00065	.0001	.0002	.0008	.0009	.00024	.0054	.16	.00017	.00009
%RSD	1.2690	.00619	.01645	.06085	.03954	.47939	.23016	.13248	.16178	.01751
#1	.05091	1.8932	1.0614	1.2291	2.2267	.05038	2.3413	120.66	.10764	.49174
#2	.05183	1.8934	1.0612	1.2301	2.2255	.05072	2.3337	120.89	.10788	.49162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20483**	**.26532**	**.97122**	**64.741**	**1.0586**	**59.242**	**.50023**	**1.1363**	**435.95**	**.50073**
Stddev	.00043	.00013	.00163	.120	.0019	.105	.00037	.0008	.22	.00019
%RSD	.20963	.04768	.16824	.18488	.17612	.17692	.07438	.07453	.04964	.03841
#1	.20513	.26541	.97237	64.657	1.0599	59.316	.50049	1.1357	435.80	.50087
#2	.20452	.26523	.97006	64.826	1.0572	59.167	.49997	1.1369	436.10	.50060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.964**	**.48374**	**76.436**	**.50971**	**2.0996**	**18.513**	**39.618**	**1.9988**	**1.6838**	**1.0163**
Stddev	.005	.00086	.038	.00221	.0097	.112	.239	.0013	.0013	.0013
%RSD	.04394	.17687	.04938	.43299	.46071	.60259	.60259	.06587	.07724	.13144
#1	10.960	.48314	76.409	.50815	2.0927	18.592	39.787	1.9997	1.6848	1.0153
#2	10.967	.48435	76.463	.51127	2.1064	18.434	39.450	1.9978	1.6829	1.0172
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0192**	**1.8082**	**2.1388**	**.52467**	**.50315**	**.51664**
Stddev	.0008	.0005	.0183	.00092	.00340	.00278
%RSD	.07550	.02995	.85482	.17612	.67625	.53847
#1	1.0186	1.8078	2.1259	.52401	.50074	.51861
#2	1.0197	1.8085	2.1517	.52532	.50555	.51467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8113.9**	**102960.**	**8841.4**
Stddev	2.9	447.	40.1
%RSD	.03584	.43404	.45319
#1	8111.8	102640.	8869.7
#2	8115.9	103270.	8813.0

Sample Name: CCVH-2357613 Acquired: 11/9/2013 5:17:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00337**	**49.778**	**.00265**	**.00749**	**.00059**	**.00011**	**1.0362**	**.03408**	**.00003**	**-.00080**	**-.00004**	**.00932**
Stddev	.00003	.097	.00152	.00025	.00029	.00006	.0032	.00223	.00014	.00016	.00009	.00027
%RSD	.96228	.19524	57.413	3.4025	49.176	58.995	.31387	6.5480	412.70	20.168	241.20	2.8845
#1	.00339	49.709	.00372	.00767	.00038	.00006	1.0339	.03566	.00013	-.00069	-.00010	.00913
#2	.00335	49.846	.00157	.00731	.00079	.00015	1.0385	.03250	-.00006	-.00092	.00003	.00951
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value												
Range												

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.628**	**.32790**	**.00347**	**.08808**	**.00047**	**.00038**	**262.21**	**-.00038**	**.00275**	**.00327**	**5.0424**	**-.00039**
Stddev	.016	.03627	.00145	.00605	.00003	.00020	.57	.00034	.00069	.00084	.0005	.00080
%RSD	.03295	11.061	41.672	6.8677	6.5365	53.634	.21777	90.961	24.902	25.584	.01038	208.02
#1	47.639	.35355	.00450	.09236	.00049	.00023	261.81	-.00062	.00227	.00386	5.0420	.00018
#2	47.616	.30225	.00245	.08380	.00045	.00052	262.61	-.00013	.00324	.00267	5.0428	-.00096
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.03029**	**.06482**	**-.00054**	**.00071**	W **4.7259**	**-.00590**	**.00100**	**9.9016**	**.00039**	**.00213**	**.02647**
Stddev	.00254	.00433	.00926	.00009	.00008	.0074	.00042	.00033	.0294	.00040	.00017	.00052
%RSD	277.80	14.291	14.291	15.833	10.611	.15740	7.2044	32.539	.29714	102.15	8.0533	1.9530
#1	-.00088	.02723	.05827	-.00060	.00076	4.7312	-.00620	.00077	9.9224	.00068	.00225	.02683
#2	.00271	.03335	.07137	-.00048	.00066	4.7207	-.00560	.00124	9.8808	.00011	.00201	.02610
Check ?	None	None	None	None	None	Chk Warn	None	None	Chk Pass	None	None	None
Value						5.0000						
Range						-5.0000%						

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8501.5**	**107340.**	**8877.2**
Stddev	6.4	116.	81.3
%RSD	.07528	.10817	.91553
#1	8496.9	107260.	8934.7
#2	8506.0	107420.	8819.7

Sample Name: CCV-2357614 Acquired: 11/9/2013 5:19:57 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49887**	**.49639**	**1.0172**	**.51397**	**.49951**	**.49095**	**.00205**	**4.9651**	**.50665**	**.50095**	**.50342**	**.50898**	**2.3325**
Stddev	.00010	.00008	.0028	.00152	.00005	.00061	.00086	.0213	.00007	.00001	.00002	.00064	.0113
%RSD	.01910	.01545	.27095	.29600	.00979	.12507	41.817	.42868	.01405	.00138	.00338	.12495	.48478
#1	.49881	.49634	1.0191	.51290	.49954	.49052	.00265	4.9500	.50660	.50095	.50341	.50943	2.3405
#2	.49894	.49645	1.0152	.51505	.49947	.49139	.00144	4.9801	.50670	.50094	.50343	.50853	2.3246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.606**	**.98708**	**19.543**	**.49017**	**.51353**	**5.3453**	**.50855**	**1.0187**	**1.0247**	**.01051**	**1.0113**	**1.0108**	**4.8391**
Stddev	.064	.00303	.057	.00066	.00097	.0174	.00018	.0025	.0035	.00266	.0026	.0029	.0096
%RSD	.12345	.30732	.29209	.13546	.18806	.32482	.03600	.24284	.33865	25.269	.25568	.28962	.19821
#1	51.561	.98493	19.502	.48970	.51285	5.3330	.50842	1.0205	1.0223	.01239	1.0094	1.0087	4.8323
#2	51.651	.98922	19.583	.49064	.51422	5.3576	.50868	1.0170	1.0272	.00863	1.0131	1.0129	4.8458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.356**	**1.0135**	**.49763**	**-.00356**	**.49203**	**1.0110**	**.05483**	**.50110**	**.49322**	**.49680**
Stddev	.021	.0013	.00018	.00083	.00067	.0031	.00608	.00005	.00130	.00099
%RSD	.19821	.12515	.03659	23.389	.13657	.30232	11.098	.00980	.26433	.20004
#1	10.341	1.0144	.49751	-.00297	.49156	1.0132	.05913	.50107	.49230	.49610
#2	10.370	1.0126	.49776	-.00414	.49251	1.0088	.05052	.50114	.49414	.49750
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8711.2**	**111650.**	**9000.5**
Stddev	2.8	405.	26.6
%RSD	.03204	.36246	.29535
#1	8709.2	111940.	9019.3
#2	8713.1	111370.	8981.7

Sample Name: CCB Acquired: 11/9/2013 5:22:05 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00137**	**.00263**	**.00341**	**-.00019**	**.00012**	**.00196**	**.00726**	**.00038**	**-.00008**	**.00009**	**.00032**
Stddev	.00003	.00022	.00094	.00008	.00018	.00011	.00311	.00207	.00010	.00010	.00004	.00012
%RSD	24.532	16.128	35.803	2.4248	92.271	92.835	158.61	28.468	26.782	129.32	50.966	38.667
#1	-.00009	.00153	.00329	.00335	-.00007	.00019	.00416	.00872	.00031	-.00001	.00006	.00023
#2	-.00013	.00121	.00196	.00347	-.00032	.00004	-.00024	.00579	.00045	-.00015	.00012	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00302**	**.21744**	W **.00333**	**.00077**	**.00000**	**.00054**	W **.10644**	**.00008**	**.00063**	**.00123**	**.01259**	W **.00543**
Stddev	.00124	.02139	.00107	.00104	.00004	.00009	.00676	.00019	.00043	.00051	.00060	.00207
%RSD	41.077	9.8387	32.230	135.42	55273.	17.118	6.3473	253.80	68.387	41.009	4.7306	38.140
#1	.00214	.20232	.00408	.00151	.00003	.00060	.11122	-.00006	.00094	.00159	.01301	.00396
#2	.00389	.23257	.00257	.00003	-.00003	.00047	.10166	.00021	.00033	.00088	.01217	.00689
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261				.09160					.00314
Low Limit			-.00261				-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**.00537**	**.01149**	**.00017**	**.00009**	**-.00150**	**.00027**	**.00039**	**.01840**	**-.00027**	W **.00482**	W **.00244**
Stddev	.00068	.00251	.00537	.00004	.00009	.00120	.00019	.00005	.00743	.00046	.00006	.00092
%RSD	43.985	46.795	46.795	20.502	98.720	79.907	70.298	13.194	40.366	169.75	1.2010	37.807
#1	.00203	.00359	.00769	.00015	.00003	-.00235	.00014	.00043	.02365	.00005	.00486	.00310
#2	.00107	.00714	.01529	.00020	.00016	-.00065	.00041	.00036	.01315	-.00060	.00478	.00179
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn
High Limit											.00453	.00238
Low Limit											-.00453	-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8647.4**	**112810.**	**8844.1**
Stddev	11.7	39.	94.7
%RSD	.13564	.03446	1.0702
#1	8655.7	112840.	8777.2
#2	8639.1	112780.	8911.1

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:24:23 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**.12820**	**.01546**	**.10305**	**.01066**	**.00117**	**.12749**	**.22481**	**.00566**	**.01066**	**.01071**	**.01617**	**.10539**	**3.3052**
Stddev	.00069	.03172	.00223	.00066	.00052	.00018	.00203	.01905	.00005	.00031	.00002	.00039	.00338	.0151
%RSD	6.5975	24.745	14.438	.64108	4.8718	15.299	1.5920	8.4721	.87768	2.8960	.16893	2.4262	3.2049	.45704
#1	.01092	.10577	.01388	.10352	.01103	.00129	.12605	.23827	.00569	.01044	.01070	.01644	.10778	3.2945
#2	.00995	.15063	.01703	.10259	.01029	.00104	.12892	.21134	.00562	.01088	.01072	.01589	.10300	3.3159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01230**	**.20422**	**.01021**	**.02145**	**1.2289**	**.04237**	**3.0257**	**.01103**	**.01957**	**.00877**	**.01779**	**.49205**	**1.0530**	**.10644**
Stddev	.00138	.00157	.00004	.00016	.0853	.00007	.0193	.00071	.01739	.00028	.00197	.00640	.0137	.00013
%RSD	11.180	.76684	.37877	.72472	6.9424	.16446	.63795	6.4541	88.895	3.2012	11.086	1.3006	1.3006	.12141
#1	.01133	.20311	.01023	.02134	1.2892	.04242	3.0394	.01053	.00727	.00858	.01918	.49658	1.0627	.10635
#2	.01328	.20532	.01018	.02156	1.1685	.04232	3.0121	.01154	.03187	.00897	.01640	.48753	1.0433	.10653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01070**	**.01514**	**.01034**	**.01671**	**.05478**	**.00973**	**.02426**	**.01741**
Stddev	.00025	.00046	.00013	.00102	.04316	.00004	.00036	.00112
%RSD	2.3007	3.0402	1.2270	6.1122	78.785	.43789	1.4731	6.4428
#1	.01087	.01546	.01025	.01598	.02426	.00970	.02401	.01820
#2	.01052	.01481	.01043	.01743	.08530	.00976	.02451	.01661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8786.5**	**114130.**	**8981.8**
Stddev	2.0	704.	87.3
%RSD	.02282	.61707	.97248
#1	8785.1	114630.	9043.6
#2	8787.9	113630.	8920.1

Sample Name: 280-48787-h-1-a Acquired: 11/9/2013 5:26:42 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00459**	**.00167**	**.13929**	**.15503**	**.00011**	**-.00160**	**18.043**	**.00041**	**-.00016**
Stddev	.00034	.00013	.00181	.00011	.00028	.00006	.00059	.092	.00000	.00005
%RSD	1576.3	2.9102	108.24	.08177	.18116	56.439	37.065	.50744	.32711	33.257
#1	-.00026	.00469	.00295	.13937	.15523	.00016	-.00118	17.978	.00041	-.00019
#2	.00022	.00450	.00039	.13921	.15483	.00007	-.00202	18.108	.00041	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00141**	**.09009**	**4.0873**	**.02151**	**10.103**	**.18048**	**.00471**	**144.20**	**-.00013**
Stddev	.00006	.00030	.00265	.0134	.00069	.006	.00042	.00021	.62	.00006
%RSD	23.371	21.557	2.9431	.32875	3.1863	.06406	.23398	4.4566	.42721	48.213
#1	.00030	.00162	.08822	4.0778	.02199	10.107	.18018	.00456	143.76	-.00017
#2	.00022	.00119	.09197	4.0968	.02102	10.098	.18078	.00486	144.63	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21655**	**-.00010**	**.96164**	**-.00057**	**.00034**	**12.644**	**27.058**	**.00010**	**.16840**	**-.00143**
Stddev	.00024	.00035	.00078	.00049	.00136	.027	.058	.00012	.00016	.00124
%RSD	.10959	358.59	.08128	85.617	404.96	.21320	.21320	113.59	.09794	86.776
#1	.21638	-.00034	.96108	-.00022	.00130	12.625	27.017	.00002	.16829	-.00231
#2	.21672	.00015	.96219	-.00092	-.00063	12.663	27.099	.00018	.16852	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00081**	**.00833**	**-.00041**	**.00366**	**-.00026**
Stddev	.00006	.00138	.02216	.00008	.00017	.00016
%RSD	11.869	171.40	265.93	19.577	4.6473	61.537
#1	.00044	.00017	.02400	-.00046	.00354	-.00015
#2	.00051	-.00179	-.00734	-.00035	.00378	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8555.1**	**109390.**	**9040.7**
Stddev	6.0	104.	71.7
%RSD	.06997	.09525	.79335
#1	8550.9	109320.	9091.4
#2	8559.3	109470.	8990.0

Sample Name: 280-48787-h-2-a Acquired: 11/9/2013 5:29:03 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00524**	**.00171**	**.14466**	**.15531**	**.00009**	**.00039**	**19.127**	**.00052**	**-.00024**
Stddev	.00000	.00012	.00051	.00005	.00036	.00001	.00041	.040	.00020	.00012
%RSD	10.705	2.3717	29.664	.03190	.23498	5.6855	105.33	.20826	39.013	49.935
#1	-.00004	.00532	.00135	.14469	.15557	.00010	.00010	19.155	.00067	-.00032
#2	-.00004	.00515	.00207	.14462	.15505	.00009	.00068	19.098	.00038	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00119**	**.04268**	**4.7818**	**.02176**	**11.093**	**.16927**	**.00324**	**137.73**	**.00015**
Stddev	.00002	.00033	.00206	.0178	.00054	.013	.00044	.00014	.03	.00000
%RSD	12.237	27.521	4.8245	.37257	2.4987	.11394	.26066	4.4545	.01884	3.1748
#1	.00016	.00142	.04123	4.7944	.02138	11.102	.16959	.00313	137.71	.00015
#2	.00013	.00096	.04414	4.7692	.02215	11.084	.16896	.00334	137.75	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19503**	**.00052**	**2.1401**	**-.00216**	**.00012**	**11.608**	**24.841**	**-.00130**	**.17749**	**-.00215**
Stddev	.00359	.00003	.0121	.00033	.00164	.001	.003	.00068	.00051	.00080
%RSD	1.8408	6.2415	.56420	15.487	1425.6	.01267	.01267	52.701	.28791	36.912
#1	.19249	.00049	2.1315	-.00192	-.00105	11.609	24.843	-.00081	.17785	-.00272
#2	.19757	.00054	2.1486	-.00240	.00128	11.607	24.839	-.00178	.17713	-.00159
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00107**	**.03541**	**-.00059**	**.00407**	**.00269**
Stddev	.00038	.00103	.00798	.00014	.00010	.00085
%RSD	122.71	95.576	22.544	23.280	2.4843	31.580
#1	.00057	.00180	.02976	-.00049	.00400	.00209
#2	.00004	.00035	.04105	-.00069	.00414	.00329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8593.5**	**109570.**	**9191.3**
Stddev	8.3	15.	50.2
%RSD	.09624	.01385	.54608
#1	8587.7	109580.	9155.8
#2	8599.4	109560.	9226.8

Sample Name: 280-48787-h-3-a Acquired: 11/9/2013 5:31:21 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.00329**	**.00183**	**.14278**	**.15582**	**.00007**	**-.00213**	**19.048**	**.00050**	**-.00044**
Stddev	.00025	.00007	.00190	.00079	.00100	.00000	.00089	.063	.00010	.00009
%RSD	65.903	2.1417	104.01	.55077	.64226	.62867	41.981	.33272	20.250	21.566
#1	-.00020	.00334	.00048	.14334	.15653	.00007	-.00276	19.093	.00043	-.00037
#2	-.00055	.00324	.00318	.14223	.15511	.00007	-.00150	19.003	.00057	-.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00178**	**.12213**	**4.7616**	**.02225**	**11.011**	**.17323**	**.00313**	**137.09**	**.00006**
Stddev	.00002	.00041	.00148	.0114	.00052	.005	.00037	.00003	.54	.00014
%RSD	8.4446	23.013	1.2096	.23941	2.3206	.04245	.21623	1.0480	.39551	241.53
#1	.00026	.00206	.12317	4.7697	.02189	11.015	.17349	.00311	137.47	-.00004
#2	.00029	.00149	.12108	4.7536	.02262	11.008	.17297	.00316	136.71	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19399**	**.00003**	**2.0333**	**-.00236**	**-.00015**	**11.565**	**24.748**	**-.00033**	**.17664**	**-.00134**
Stddev	.00321	.00141	.0120	.00204	.00252	.045	.097	.00055	.00014	.00086
%RSD	1.6562	5613.1	.58801	86.536	1657.2	.39275	.39275	170.68	.07980	64.301
#1	.19627	.00102	2.0417	-.00092	-.00194	11.533	24.680	.00007	.17654	-.00073
#2	.19172	-.00097	2.0248	-.00381	.00163	11.597	24.817	-.00072	.17674	-.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00051**	**-.00517**	**-.00040**	**.00444**	**.00236**
Stddev	.00004	.00000	.00954	.00005	.00049	.00064
%RSD	12.115	.88830	184.50	12.712	10.989	27.278
#1	.00038	.00051	-.01191	-.00036	.00479	.00281
#2	.00032	.00051	.00157	-.00043	.00410	.00190
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8545.6**	**109590.**	**9113.0**
Stddev	24.2	324.	61.5
%RSD	.28330	.29528	.67525
#1	8562.7	109360.	9069.5
#2	8528.5	109810.	9156.5

Sample Name: 280-48845-g-1-a Acquired: 11/9/2013 5:33:40 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00515**	**.00178**	**.13089**	**.24577**	**.00011**	**-.00215**	**21.635**	**.00043**	**-.00050**
Stddev	.00011	.00012	.00425	.00011	.00015	.00000	.00154	.045	.00012	.00024
%RSD	580.88	2.2608	238.98	.08533	.06286	1.7355	71.748	.20896	27.364	47.031
#1	.00006	.00507	.00478	.13096	.24588	.00011	-.00324	21.604	.00035	-.00034
#2	-.00009	.00523	-.00123	.13081	.24566	.00011	-.00106	21.667	.00052	-.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00146**	**.15767**	**4.5917**	**.02346**	**11.353**	**.37503**	**.00264**	**139.82**	**-.00008**
Stddev	.00014	.00014	.00021	.0286	.00342	.021	.00004	.00017	.59	.00017
%RSD	28.357	9.4560	.13123	.62210	14.591	.18267	.01065	6.3351	.42234	217.44
#1	.00038	.00136	.15752	4.5715	.02104	11.368	.37506	.00276	139.41	-.00020
#2	.00057	.00156	.15782	4.6119	.02588	11.339	.37501	.00252	140.24	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21687**	**.00011**	**4.3882**	**-.00239**	**.00040**	**11.646**	**24.922**	**-.00019**	**.19807**	**-.00170**
Stddev	.00281	.00000	.0015	.00201	.00112	.047	.101	.00010	.00007	.00080
%RSD	1.2949	1.8878	.03403	84.034	280.91	.40667	.40667	53.714	.03675	47.178
#1	.21886	.00011	4.3872	-.00381	-.00039	11.612	24.850	-.00012	.19812	-.00113
#2	.21489	.00011	4.3893	-.00097	.00119	11.679	24.993	-.00026	.19802	-.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00051**	**-.00099**	**-.00028**	**.00529**	**.00149**
Stddev	.00012	.00018	.03977	.00018	.00029	.00147
%RSD	40.997	36.368	4036.5	64.073	5.4860	98.618
#1	.00039	.00038	-.02911	-.00015	.00549	.00252
#2	.00021	.00064	.02714	-.00040	.00508	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8555.5**	**109640.**	**9152.1**
Stddev	3.2	421.	8.2
%RSD	.03786	.38368	.08943
#1	8557.8	109340.	9146.3
#2	8553.2	109940.	9157.9

Sample Name: 280-48845-g-2-a Acquired: 11/9/2013 5:35:58 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00427**	**.00896**	**.12935**	**.05558**	**.00007**	**-.00127**	**47.385**	**.00038**	**-.00007**
Stddev	.00010	.00002	.00140	.00020	.00009	.00003	.00103	.080	.00005	.00014
%RSD	31.294	.41869	15.580	.15802	.15409	45.503	80.969	.16897	12.083	213.45
#1	-.00024	.00428	.00797	.12950	.05552	.00005	-.00200	47.329	.00041	-.00017
#2	-.00037	.00425	.00995	.12921	.05564	.00010	-.00054	47.442	.00034	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00150**	**4.1602**	**8.7441**	**.01773**	**12.176**	**.40369**	**.01595**	**75.300**	**.00189**
Stddev	.00004	.00041	.0125	.0574	.00295	.029	.00031	.00004	.146	.00007
%RSD	6.4721	27.577	.30106	.65644	16.654	.23470	.07691	.26876	.19330	3.6558
#1	.00068	.00179	4.1514	8.7035	.01981	12.196	.40391	.01598	75.197	.00194
#2	.00062	.00121	4.1691	8.7846	.01564	12.156	.40348	.01592	75.403	.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6439**	**-.00025**	**1.7476**	**-.00113**	**.00117**	**12.251**	**26.217**	**-.00018**	**.25280**	**-.00069**
Stddev	.0029	.00042	.0055	.00260	.00170	.007	.015	.00042	.00053	.00081
%RSD	.17385	169.38	.31493	230.98	145.90	.05798	.05798	230.04	.20937	117.22
#1	1.6418	-.00055	1.7437	-.00297	.00237	12.246	26.207	.00011	.25243	-.00126
#2	1.6459	.00005	1.7515	.00071	-.00004	12.256	26.228	-.00048	.25318	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00020**	**.05579**	**.02541**	**.01035**	**.00532**
Stddev	.00014	.00098	.01416	.00021	.00037	.00219
%RSD	5.6574	489.41	25.380	.82883	3.5784	41.170
#1	.00256	.00089	.06581	.02526	.01009	.00377
#2	.00237	-.00049	.04578	.02556	.01061	.00687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8669.4**	**111320.**	**9169.9**
Stddev	11.3	52.	41.0
%RSD	.13037	.04688	.44729
#1	8661.4	111280.	9198.9
#2	8677.3	111360.	9140.8

Sample Name: 280-48845-g-3-a Acquired: 11/9/2013 5:38:15 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00174**	**.00181**	**.00199**	**-.00027**	**.00008**	**.00177**	**.01407**	**.00031**	**-.00001**
Stddev	.00038	.00009	.00124	.00043	.00025	.00008	.00276	.00002	.00017	.00003
%RSD	255.77	5.4260	68.717	21.742	92.582	99.952	156.30	.12158	54.397	243.32
#1	-.00042	.00180	.00268	.00230	-.00009	.00014	.00372	.01406	.00019	.00001
#2	.00012	.00167	.00093	.00169	-.00044	.00002	-.00019	.01408	.00043	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00091**	**.00455**	**.04621**	**-.00034**	**.00302**	**.00012**	**-.00004**	**.07379**	**-.00021**
Stddev	.00001	.00009	.00070	.00832	.00114	.00060	.00005	.00003	.01490	.00015
%RSD	13.699	9.3782	15.485	18.004	334.67	19.919	39.796	89.993	20.191	69.057
#1	.00007	.00085	.00504	.05209	-.00115	.00344	.00009	-.00006	.08432	-.00031
#2	.00006	.00097	.00405	.04033	.00047	.00259	.00016	-.00001	.06325	-.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**.00080**	**.00685**	**-.00080**	**-.00009**	**.02697**	**.05772**	**-.00083**	**.00006**	**-.00123**
Stddev	.00139	.00012	.00079	.00004	.00003	.00648	.01386	.00005	.00008	.00072
%RSD	81.124	15.249	11.480	4.6329	33.405	24.009	24.009	6.1338	124.37	58.408
#1	.00073	.00072	.00741	-.00083	-.00007	.02239	.04792	-.00080	.00012	-.00173
#2	.00269	.00089	.00629	-.00077	-.00011	.03155	.06752	-.00087	.00001	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00028**	**.03560**	**-.00055**	**.00559**	**.00173**
Stddev	.00011	.00036	.01995	.00039	.00003	.00136
%RSD	140.31	125.44	56.034	71.560	.60380	78.885
#1	.00000	.00003	.04971	-.00027	.00561	.00076
#2	.00015	.00054	.02150	-.00082	.00556	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8949.6**	**116840.**	**9311.0**
Stddev	5.5	165.	25.6
%RSD	.06197	.14087	.27519
#1	8953.5	116720.	9292.9
#2	8945.7	116950.	9329.2

Sample Name: 280-48892-c-1-b Acquired: 11/9/2013 5:40:32 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.16109**	**.00265**	**.01570**	**.01355**	**.00010**	**.00168**	**55.600**	**.00037**	**.00004**
Stddev	.00018	.00023	.00118	.00005	.00012	.00003	.00093	.107	.00002	.00010
%RSD	422.91	.14189	44.691	.34496	.85763	32.304	55.344	.19305	6.3343	233.71
#1	.00009	.16093	.00181	.01574	.01347	.00008	.00102	55.676	.00038	-.00003
#2	-.00017	.16126	.00349	.01566	.01364	.00012	.00234	55.524	.00035	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00056**	**.18638**	**2.9032**	**.00480**	**7.1232**	**.05529**	**.00038**	**4.1899**	**.00027**
Stddev	.00000	.00028	.00477	.0273	.00282	.0000	.00002	.00023	.0043	.00023
%RSD	1.0189	50.016	2.5599	.93964	58.793	.00009	.03024	62.120	.10371	87.061
#1	.00042	.00036	.18301	2.8839	.00280	7.1232	.05528	.00021	4.1869	.00043
#2	.00042	.00075	.18976	2.9225	.00679	7.1232	.05530	.00054	4.1930	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52358**	**.00106**	**2.5995**	**-.00081**	**-.00109**	**3.6895**	**7.8955**	**-.00055**	**.08585**	**-.00088**
Stddev	.00177	.00059	.0073	.00091	.00099	.0150	.0322	.00009	.00016	.00011
%RSD	.33780	55.312	.28109	112.01	90.434	.40739	.40739	16.820	.18067	12.646
#1	.52233	.00064	2.5943	-.00017	-.00039	3.6789	7.8728	-.00048	.08596	-.00096
#2	.52483	.00147	2.6047	-.00145	-.00179	3.7001	7.9183	-.00061	.08574	-.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00361**	**.00013**	**.02419**	**.00044**	**.00457**	**.00256**
Stddev	.00019	.00039	.03014	.00005	.00007	.00078
%RSD	5.1774	299.57	124.56	10.315	1.6378	30.386
#1	.00348	-.00015	.00288	.00047	.00462	.00311
#2	.00374	.00041	.04550	.00041	.00451	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8677.9**	**112050.**	**9112.1**
Stddev	31.5	189.	6.3
%RSD	.36305	.16883	.06963
#1	8700.2	112180.	9116.6
#2	8655.6	111910.	9107.6

Sample Name: 280-48892-c-2-b Acquired: 11/9/2013 5:42:51 Type: Unk
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199785 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.14760**	**.00138**	**.01979**	**.01890**	**.00013**	**.00156**	**76.302**	**.00046**	**.00006**
Stddev	.00074	.00151	.00007	.00014	.00000	.00002	.00024	.037	.00006	.00004
%RSD	1743.1	1.0205	5.1937	.72917	.02629	16.447	15.697	.04884	12.480	75.941
#1	.00048	.14866	.00133	.01989	.01890	.00011	.00138	76.275	.00051	.00003
#2	-.00056	.14653	.00143	.01969	.01890	.00014	.00173	76.328	.00042	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00120**	**.13910**	**4.6202**	**.00434**	**8.5408**	**.04018**	**.00027**	**6.6983**	**.00033**
Stddev	.00008	.00008	.00225	.0214	.00105	.0681	.00016	.00039	.0037	.00049
%RSD	24.791	7.0006	1.6191	.46364	24.208	.79773	.40901	145.92	.05445	148.47
#1	.00026	.00126	.14070	4.6353	.00360	8.5889	.04029	.00054	6.6957	.00068
#2	.00036	.00114	.13751	4.6050	.00508	8.4926	.04006	-.00001	6.7009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66535**	**.00097**	**4.4086**	**-.00192**	**.00008**	**4.1479**	**8.8765**	**-.00033**	**.11517**	**.00083**
Stddev	.00221	.00042	.0065	.00029	.00087	.0490	.1048	.00055	.00018	.00146
%RSD	.33195	42.985	.14675	15.255	1074.9	1.1804	1.1804	166.14	.15744	175.79
#1	.66691	.00067	4.4132	-.00213	-.00053	4.1133	8.8025	-.00072	.11505	.00186
#2	.66378	.00126	4.4040	-.00172	.00070	4.1825	8.9506	.00006	.11530	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**.00112**	**.00956**	**.00045**	**.00433**	**.00355**
Stddev	.00014	.00102	.04705	.00013	.00011	.00165
%RSD	4.3951	90.949	491.98	27.724	2.5304	46.408
#1	.00312	.00184	-.02371	.00036	.00441	.00472
#2	.00332	.00040	.04283	.00054	.00425	.00239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8554.9**	**109830.**	**8968.7**
Stddev	31.9	828.	60.8
%RSD	.37256	.75386	.67807
#1	8532.4	109250.	8925.7
#2	8577.4	110420.	9011.7

Sample Name: CCVH-2357613 Acquired: 11/9/2013 5:45:09 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00449**	**50.540**	**.00211**	**.00522**	**-.00033**	**.00012**	W **1.0525**	**.01388**	**.00007**	**-.00077**	**-.00014**	**.00932**
Stddev	.00041	.076	.00204	.00044	.00027	.00011	.0090	.00091	.00019	.00010	.00010	.00026
%RSD	9.1246	.15054	96.618	8.3501	81.284	92.098	.85700	6.5371	267.60	13.121	68.041	2.7560
#1	.00420	50.486	.00067	.00553	-.00014	.00004	1.0588	.01452	.00020	-.00070	-.00021	.00950
#2	.00478	50.594	.00355	.00491	-.00051	.00021	1.0461	.01324	-.00006	-.00085	-.00007	.00914
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.816**	**.09425**	**.00171**	**.07747**	**.00037**	**-.00005**	**266.18**	**-.00024**	**.00028**	**.00243**	**5.0688**	**.00161**
Stddev	.160	.01572	.00233	.00186	.00008	.00000	.67	.00047	.00006	.00112	.0520	.00239
%RSD	.32876	16.680	135.98	2.3974	20.800	3.8757	.25049	199.89	22.072	46.082	1.0264	148.17
#1	48.702	.10536	.00336	.07615	.00043	-.00005	265.71	-.00057	.00024	.00164	5.1056	-.00008
#2	48.929	.08313	.00007	.07878	.00032	-.00005	266.66	.00010	.00033	.00323	5.0320	.00330
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**.02320**	**.04964**	**.00017**	**.00034**	**4.8083**	**-.00672**	**-.00014**	**10.047**	**.00045**	**.00228**	**.02896**
Stddev	.00182	.01258	.02691	.00007	.00008	.0122	.00006	.00025	.079	.00032	.00000	.00160
%RSD	905.07	54.213	54.213	41.697	23.745	.25435	.84374	172.85	.78952	71.771	.13846	5.5359
#1	.00109	.03209	.06868	.00012	.00029	4.7996	-.00676	-.00032	9.9906	.00068	.00228	.03010
#2	-.00149	.01431	.03061	.00022	.00040	4.8169	-.00668	.00003	10.103	.00022	.00227	.02783
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8419.3**	**106060.**	**8713.0**
Stddev	8.7	549.	72.7
%RSD	.10376	.51737	.83434
#1	8425.5	105670.	8764.4
#2	8413.1	106450.	8661.6

Sample Name: CCV-2357614 Acquired: 11/9/2013 5:47:29 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50696**	**.50178**	**1.0218**	**.51592**	**.50849**	**.49698**	**.00201**	**5.0344**	**.51033**	**.50576**	**.50731**	**.51642**	**2.3737**
Stddev	.00000	.00169	.0005	.00207	.00089	.00063	.00157	.0044	.00193	.00170	.00144	.00198	.0127
%RSD	.00090	.33744	.04909	.40130	.17456	.12578	78.124	.08700	.37874	.33545	.28421	.38403	.53330
#1	.50696	.50058	1.0214	.51445	.50786	.49653	.00312	5.0313	.50896	.50456	.50629	.51502	2.3647
#2	.50696	.50297	1.0221	.51738	.50912	.49742	.00090	5.0375	.51170	.50696	.50833	.51782	2.3826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.353**	**1.0078**	**19.888**	**.49872**	**.51930**	**5.3309**	**.51300**	**1.0317**	**1.0387**	**-.00201**	**1.0280**	**1.0280**	**4.9063**
Stddev	.100	.0007	.011	.00043	.00288	.0103	.00058	.0034	.0043	.00100	.0033	.0027	.0107
%RSD	.19053	.06568	.05726	.08582	.55367	.19316	.11355	.33166	.41153	49.615	.32151	.26744	.21778
#1	52.283	1.0074	19.896	.49841	.52134	5.3236	.51259	1.0341	1.0418	-.00272	1.0256	1.0300	4.8987
#2	52.424	1.0083	19.880	.49902	.51727	5.3382	.51341	1.0293	1.0357	-.00131	1.0303	1.0261	4.9138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.499**	**1.0310**	**.50586**	**-.00451**	**.49965**	**1.0262**	**.01771**	**.50771**	**.50457**	**.50144**
Stddev	.023	.0041	.00027	.00018	.00018	.0007	.00491	.00096	.00153	.00163
%RSD	.21778	.39883	.05426	4.0678	.03633	.06906	27.693	.18893	.30415	.32481
#1	10.483	1.0339	.50567	-.00464	.49952	1.0257	.01424	.50703	.50565	.50029
#2	10.516	1.0281	.50606	-.00439	.49978	1.0267	.02118	.50839	.50348	.50260
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8627.8**	**109560.**	**8819.9**
Stddev	19.8	164.	42.2
%RSD	.22931	.14998	.47825
#1	8641.8	109450.	8849.8
#2	8613.8	109680.	8790.1

Sample Name: CCB Acquired: 11/9/2013 5:49:34 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00088**	**.00076**	**.00125**	**-.00017**	**.00012**	**.00146**	**-.00127**	**.00036**	**-.00012**	**.00005**	**.00001**
Stddev	.00035	.00018	.00279	.00034	.00028	.00002	.00021	.00094	.00022	.00011	.00006	.00022
%RSD	96.132	20.637	368.88	27.489	164.23	16.543	14.380	74.315	61.800	88.968	118.00	2353.4
#1	.00012	.00075	.00273	.00100	-.00036	.00011	.00131	-.00060	.00020	-.00005	.00010	-.00015
#2	.00061	.00101	-.00122	.00149	.00003	.00014	.00161	-.00193	.00052	-.00020	.00001	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00359**	**.10549**	**.00201**	**.00234**	**.00004**	**.00059**	**.03163**	**.00000**	**.00139**	**.00083**	**.00355**	W **.00534**
Stddev	.00201	.01551	.00145	.00255	.00001	.00015	.00803	.00022	.00090	.00049	.00097	.00035
%RSD	55.954	14.699	71.881	109.05	14.691	26.012	25.378	10404.	64.777	58.552	27.332	6.5715
#1	.00217	.11646	.00304	.00054	.00005	.00048	.03731	.00016	.00203	.00118	.00286	.00559
#2	.00502	.09453	.00099	.00414	.00004	.00070	.02596	-.00016	.00075	.00049	.00423	.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.01917**	**.04102**	**-.00021**	**-.00001**	**-.00083**	**.00020**	**-.00040**	**.04666**	**.00016**	W **.00481**	**.00012**
Stddev	.00095	.00035	.00075	.00061	.00008	.00157	.00038	.00055	.01313	.00033	.00009	.00004
%RSD	40.259	1.8377	1.8377	293.82	1556.6	189.92	189.81	137.13	28.149	205.34	1.8058	33.513
#1	.00169	.01942	.04155	-.00064	.00005	.00028	.00047	-.00079	.03737	-.00007	.00474	.00009
#2	.00304	.01892	.04049	.00022	-.00006	-.00194	-.00007	-.00001	.05594	.00040	.00487	.00015
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit											.00453	
Low Limit											-.00453	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8579.1**	**111270.**	**8681.1**
Stddev	9.0	196.	50.8
%RSD	.10483	.17575	.58520
#1	8572.7	111410.	8717.0
#2	8585.4	111140.	8645.2

Sample Name: CCVL2367586 Acquired: 11/9/2013 5:51:49 Type: QC
Method: 6500_025(v3) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01026**	**.10627**	**.01507**	**.10263**	**.01061**	**.00113**	**.12848**	**.21649**	**.00566**	**.01047**	**.01079**	**.01634**	**.10004**
Stddev	.00104	.00015	.00072	.00021	.00028	.00014	.00213	.00024	.00008	.00009	.00009	.00005	.00068
%RSD	10.130	.14152	4.7952	.20258	2.6257	12.391	1.6592	.10858	1.3759	.82133	.85505	.32910	.68433
#1	.00952	.10638	.01558	.10278	.01041	.00123	.12999	.21632	.00572	.01041	.01085	.01638	.10052
#2	.01099	.10617	.01456	.10248	.01080	.00103	.12697	.21665	.00561	.01053	.01072	.01631	.09956
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3020**	**.01114**	**.20800**	**.01033**	**.02107**	**1.1341**	**.04284**	**3.0504**	**.01071**	**.00355**	**.00961**	**.01585**	**.51539**
Stddev	.0396	.00054	.00389	.00004	.00002	.0035	.00095	.0263	.00087	.00139	.00160	.00135	.00173
%RSD	1.1981	4.8559	1.8699	.39270	.11399	.30506	2.2142	.86329	8.1109	39.078	16.662	8.5328	.33569
#1	3.2740	.01152	.20525	.01030	.02109	1.1316	.04351	3.0691	.01009	.00453	.01075	.01489	.51416
#2	3.3300	.01075	.21075	.01036	.02106	1.1365	.04217	3.0318	.01132	.00257	.00848	.01681	.51661
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1029**	**.10723**	**.01056**	**.01487**	**.01010**	**.01665**	F **.08627**	**.00996**	**.02550**	**.01793**
Stddev	.0037	.00106	.00002	.00090	.00006	.00025	.05036	.00047	.00001	.00129
%RSD	.33569	.99011	.19964	6.0601	.56885	1.4744	58.372	4.7590	.02765	7.1876
#1	1.1003	.10798	.01057	.01550	.01006	.01648	.05066	.00963	.02551	.01884
#2	1.1055	.10648	.01054	.01423	.01014	.01682	.12188	.01030	.02550	.01702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8731.9**	**112990.**	**8894.7**
Stddev	22.0	51.	5.9
%RSD	.25189	.04521	.06633
#1	8747.5	113030.	8898.9
#2	8716.4	112950.	8890.5

Sample Name: ICIS Acquired: 11/11/2013 15:24:47 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00195**	**.00154**	**-.01478**	**-.00013**	**.00087**	**.00855**	**-.00040**	**-.00098**	**.00624**	**-.00030**	**-.00031**	**-.00021**	**.00362**
Stddev	.00011	.00024	.00020	.00003	.00007	.00118	.00091	.00021	.00037	.00026	.00023	.00001	.00001
%RSD	5.6870	15.676	1.3789	26.754	8.1769	13.753	229.61	21.086	5.9301	88.910	73.797	4.6993	.40248
#1	-.00203	.00137	-.01492	-.00011	.00082	.00772	-.00104	-.00083	.00598	-.00048	-.00047	-.00022	.00363
#2	-.00187	.00171	-.01463	-.00015	.00092	.00938	.00025	-.00112	.00650	-.00011	-.00015	-.00020	.00361

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00076**	**-.00105**	**.00295**	**-.00882**	**-.00001**	**.00001**	**.00015**	**.01775**	**-.01391**	**-.00084**	**.00013**	**.00023**	**-.00043**
Stddev	.00011	.00057	.00044	.00042	.00000	.00000	.00002	.00097	.00024	.00006	.00008	.00003	.00011
%RSD	14.132	54.253	14.781	4.7738	35.184	20.382	11.304	5.4580	1.7283	7.4916	60.175	13.157	25.429
#1	.00069	-.00146	.00326	-.00912	-.00001	.00001	.00013	.01843	-.01408	-.00079	.00007	.00025	-.00035
#2	.00084	-.00065	.00265	-.00852	-.00001	.00002	.00016	.01706	-.01374	-.00088	.00018	.00021	-.00050

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00053**	**.00015**	**.00017**	**.00017**	**.00010**	**-.00241**	**-.00070**	**-.00022**	**-.00030**	**-.00024**	**.00029**	**.00003**	**-.00319**
Stddev	.00005	.00008	.00067	.00067	.00005	.00074	.00003	.00004	.00005	.00000	.00006	.00001	.00068
%RSD	8.8368	51.959	391.82	391.82	45.578	30.463	3.7610	16.903	15.299	1.6854	21.097	16.038	21.387
#1	.00050	.00009	-.00030	-.00030	.00007	-.00189	-.00068	-.00020	-.00033	-.00024	.00025	.00003	-.00271
#2	.00056	.00020	.00065	.00065	.00014	-.00293	-.00072	-.00025	-.00027	-.00025	.00034	.00004	-.00367

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7988.0**	**108580.**	**6609.8**
Stddev	35.6	208.	36.7
%RSD	.44510	.19154	.55580
#1	7962.9	108730.	6635.8
#2	8013.2	108430.	6583.8

Sample Name: ICAL1 Acquired: 11/11/2013 15:27:06 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.19482**	**.23179**	**.09589**	**.27241**	**4.5785**	**6.7042**	**2.0197**	**1.4850**	**.86027**	**.94864**	**.29726**	**.66695**	**5.2031**	**1.9500**
Stddev	.00036	.00117	.00050	.00184	.0120	.0251	.0096	.0118	.00605	.00767	.00014	.00530	.0133	.0023
%RSD	.18428	.50668	.52143	.67469	.26244	.37471	.47354	.79171	.70305	.80893	.04863	.79398	.25555	.11588
#1	.19507	.23262	.09624	.27371	4.5700	6.6864	2.0129	1.4933	.86455	.95407	.29716	.66321	5.1937	1.9484
#2	.19456	.23096	.09553	.27111	4.5870	6.7220	2.0265	1.4766	.85599	.94322	.29736	.67069	5.2125	1.9516

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.91324**	**1.1587**	**.48681**	**1.6359**	**.66685**	**.11274**	**.49444**	**.16848**	**.09353**	**.32507**	**.32507**	**.23417**	**8.7861**	**.27645**
Stddev	.00131	.0006	.00413	.0104	.00448	.00040	.00350	.00195	.00083	.00129	.00129	.00177	.0040	.00102
%RSD	.14359	.04765	.84752	.63318	.67175	.35561	.70857	1.1587	.89046	.39564	.39564	.75542	.04547	.36890
#1	.91417	1.1583	.48973	1.6285	.67002	.11302	.49691	.16986	.09412	.32416	.32416	.23543	8.7833	.27573
#2	.91231	1.1591	.48389	1.6432	.66368	.11245	.49196	.16710	.09294	.32598	.32598	.23292	8.7889	.27717

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.17557**	**.20175**	**.02848**	**.32094**
Stddev	.00102	.00008	.00001	.00282
%RSD	.58264	.03831	.02221	.87934
#1	.17629	.20181	.02848	.31894
#2	.17484	.20170	.02847	.32293

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7947.2**	**105600.**	**6651.2**
Stddev	29.4	263.	65.3
%RSD	.36966	.24890	.98123
#1	7926.4	105410.	6697.3
#2	7968.0	105780.	6605.0

Sample Name: ICAL2 Acquired: 11/11/2013 15:29:17 Type: Cal
Method: 6500_025(v4) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.6649**	**.19451**	**.60751**	**3.1609**	**.29335**	**.43560**	**.09237**
Stddev	.0060	.00010	.00298	.0076	.00049	.00088	.00013
%RSD	.16375	.05364	.49111	.24085	.16702	.20219	.14277
#1	3.6691	.19443	.60962	3.1663	.29300	.43623	.09227
#2	3.6606	.19458	.60540	3.1555	.29369	.43498	.09246

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7630.4**	**101490.**	**6594.7**
Stddev	6.3	39.	66.4
%RSD	.08204	.03795	1.0066
#1	7626.0	101460.	6547.7
#2	7634.9	101520.	6641.6

Sample Name: S1-2372886 Acquired: 11/11/2013 15:31:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0091**	**1.0124**	**2.0027**	**1.0023**	**1.0117**	**1.0121**	**-.00387**	**10.110**	**1.0049**	**1.0057**	**1.0017**	**1.0107**	**5.0692**
Stddev	.0036	.0048	.0042	.0014	.0032	.0004	.00139	.001	.0002	.0009	.0007	.0013	.0028
%RSD	.35777	.47036	.20750	.14435	.32167	.03758	35.964	.01273	.01780	.09312	.06833	.12840	.05439
#1	1.0065	1.0090	2.0056	1.0033	1.0093	1.0118	-.00485	10.109	1.0050	1.0064	1.0012	1.0098	5.0711
#2	1.0116	1.0158	1.9997	1.0013	1.0140	1.0123	-.00288	10.110	1.0048	1.0051	1.0022	1.0116	5.0672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.15**	**2.0219**	**40.058**	**1.0065**	**.99782**	**10.298**	F **10.998**	**1.0027**	**2.0047**	**2.0017**	**-.00832**	**2.0134**	**1.9951**
Stddev	.03	.0016	.054	.0021	.00092	.044	.177	.0006	.0078	.0064	.00070	.0001	.0029
%RSD	.02941	.08015	.13386	.21220	.09200	.43190	1.6115	.05848	.39102	.32042	8.3753	.00405	.14628
#1	101.13	2.0207	40.096	1.0080	.99847	10.329	11.123	1.0032	1.9991	1.9972	-.00783	2.0134	1.9971
#2	101.17	2.0230	40.020	1.0050	.99717	10.266	10.872	1.0023	2.0102	2.0062	-.00882	2.0135	1.9930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value							10.000						
Range							5.0000%						

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.033**	**21.470**	**2.0041**	**1.0114**	**-.01100**	**1.0096**	**2.0067**	**-.01196**	**1.0054**	**1.0017**	**1.0166**
Stddev	.032	.068	.0012	.0021	.00040	.0019	.0034	.01947	.0013	.0040	.0001
%RSD	.31680	.31680	.05765	.21081	3.6326	.19196	.17057	162.84	.12437	.39690	.01454
#1	10.010	21.422	2.0049	1.0099	-.01128	1.0109	2.0092	.00181	1.0063	1.0045	1.0167
#2	10.055	21.518	2.0033	1.0129	-.01071	1.0082	2.0043	-.02573	1.0045	.99889	1.0165
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7939.3**	**105870.**	**6638.9**
Stddev	39.8	570.	1.8
%RSD	.50121	.53852	.02692
#1	7967.5	105470.	6640.2
#2	7911.2	106280.	6637.7

Sample Name: S2-2372887 Acquired: 11/11/2013 15:33:49 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01453	104.13	.00180	.00202	.00008	-.00005	2.0773	.03604	-.00024	-.00061	.00009	.01936	102.79
Stddev	.00015	.13	.00310	.00002	.00002	.00003	.0026	.00326	.00005	.00006	.00001	.00013	.23
%RSD	1.0059	.12057	171.93	1.1386	28.251	49.820	.12590	9.0449	20.985	10.203	16.836	.65160	.22204
#1	.01443	104.04	.00399	.00204	.00006	-.00003	2.0792	.03374	-.00020	-.00056	.00008	.01927	102.63
#2	.01464	104.21	-.00039	.00200	.00009	-.00007	2.0755	.03835	-.00027	-.00065	.00010	.01944	102.95
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value	.00000												
Range	5.0000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19726	.00068	.16742	.00137	.00030	515.67	-.00078	.00004	.00189	10.431	.01446	-.00082	.02587
Stddev	.00826	.00115	.00311	.00004	.00060	.50	.00015	.00170	.00147	.014	.00776	.00029	.00310
%RSD	4.1887	168.97	1.8557	2.8302	201.66	.09651	18.671	4268.0	77.546	.13803	53.652	35.596	11.967
#1	.20310	-.00013	.16522	.00135	-.00013	515.32	-.00088	.00124	.00293	10.441	.00898	-.00061	.02806
#2	.19142	.00149	.16961	.00140	.00072	516.02	-.00068	-.00116	.00085	10.421	.01995	-.00102	.02368
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05536	.00061	.00057	10.316	-.02342	.00187	F 10.168	.00182	-.00031	.10070
Stddev	.00663	.00024	.00004	.002	.00026	.00000	.091	.00049	.00012	.00595
%RSD	11.967	39.355	6.9709	.01537	1.1174	.24457	.89480	26.741	39.434	5.9056
#1	.06005	.00044	.00060	10.317	-.02360	.00187	10.103	.00147	-.00040	.09649
#2	.05068	.00078	.00054	10.314	-.02323	.00186	10.232	.00216	-.00023	.10490
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							20.000			
Range							-5.0000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7662.8	100520.	6506.2
Stddev	13.8	161.	48.3
%RSD	.17962	.15993	.74293
#1	7653.1	100630.	6472.0
#2	7672.5	100410.	6540.3

Sample Name: ICVH-2348911 Acquired: 11/11/2013 15:37:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00430**	**40.760**	**.00136**	**.00090**	**.00259**	**-.00003**	W **.52861**	**.01383**	**-.00018**	**.00054**	**.00050**	**.00793**
Stddev	.00004	.075	.00050	.00001	.00040	.00006	.00064	.00576	.00010	.00004	.00023	.00065
%RSD	.81473	.18523	36.977	.64698	15.574	223.42	.12179	41.661	55.965	7.9328	45.071	8.1833
#1	.00428	40.814	.00171	.00090	.00287	.00002	.52906	.00975	-.00025	.00051	.00034	.00747
#2	.00433	40.707	.00100	.00089	.00230	-.00007	.52815	.01790	-.00011	.00057	.00066	.00839
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.998**	**.02661**	**.00131**	**.05833**	**.00053**	**-.00015**	**41.843**	**.00080**	**-.00247**	**.00112**	**3.8775**	**.00144**
Stddev	.113	.06427	.00076	.00217	.00012	.00003	.086	.00022	.00121	.00020	.0088	.00225
%RSD	.13994	241.52	58.031	3.7262	23.606	18.170	.20491	28.066	48.807	18.200	.22577	156.83
#1	81.079	-.01884	.00077	.05987	.00061	-.00016	41.904	.00096	-.00333	.00127	3.8713	-.00016
#2	80.918	.07206	.00185	.05679	.00044	-.00013	41.783	.00064	-.00162	.00098	3.8837	.00303
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.01021**	**.02184**	**.00069**	**.00025**	**3.0117**	**-.00767**	**.00062**	**5.1609**	**.00065**	**.00140**	**.03122**
Stddev	.00239	.02152	.04606	.00089	.00017	.0010	.00007	.00014	.0069	.00024	.00030	.00226
%RSD	112.32	210.86	210.86	129.50	66.427	.03411	.91303	22.112	.13436	37.727	21.549	7.2474
#1	-.00382	.02543	.05441	.00132	.00013	3.0109	-.00762	.00072	5.1658	.00082	.00119	.02962
#2	-.00044	-.00501	-.01072	.00006	.00037	3.0124	-.00772	.00053	5.1560	.00048	.00162	.03282
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.2**	**105300.**	**6586.5**
Stddev	3.7	415.	30.7
%RSD	.04558	.39427	.46654
#1	8060.6	105010.	6564.7
#2	8065.8	105590.	6608.2

Sample Name: ICV-2364198 Acquired: 11/11/2013 15:42:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25330**	**.25547**	**.25120**	**.25571**	**.25038**	**.24320**	**.00122**	**2.0215**	**.25176**	**.25382**	**.25210**	**.25183**	**.25106**
Stddev	.00038	.00050	.00096	.00029	.00178	.00106	.00053	.0112	.00127	.00026	.00018	.00235	.00053
%RSD	.14859	.19686	.38062	.11411	.71045	.43742	43.359	.55198	.50436	.10308	.07200	.93506	.21030
#1	.25357	.25583	.25187	.25551	.25164	.24395	.00085	2.0294	.25086	.25364	.25197	.25016	.25068
#2	.25304	.25512	.25052	.25592	.24912	.24244	.00160	2.0136	.25265	.25401	.25223	.25349	.25143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.015**	**.24923**	**10.010**	**.25125**	**.24705**	**2.0373**	**.25494**	**1.9596**	**.25470**	**-.00700**	**.24859**	**.50739**	**1.9933**
Stddev	.004	.00343	.031	.00090	.00014	.0034	.00047	.0000	.00063	.00170	.00068	.00203	.0209
%RSD	.01776	1.3770	.30730	.35983	.05644	.16632	.18587	.00092	.24739	24.368	.27549	.40102	1.0461
#1	20.018	.25166	9.9879	.25061	.24695	2.0397	.25461	1.9596	.25514	-.00579	.24810	.50883	2.0081
#2	20.013	.24681	10.031	.25188	.24715	2.0349	.25528	1.9596	.25425	-.00820	.24907	.50595	1.9786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2658**	**.50380**	**.24814**	**-.00226**	**.24625**	**.52275**	**-.00331**	**.24545**	**.24968**	**.24753**
Stddev	.0446	.00179	.00157	.00041	.00035	.00270	.05386	.00010	.00046	.00185
%RSD	1.0461	.35467	.63303	18.309	.14311	.51695	1626.7	.03970	.18267	.74539
#1	4.2973	.50253	.24925	-.00197	.24601	.52084	-.04140	.24538	.24936	.24884
#2	4.2342	.50506	.24703	-.00255	.24650	.52466	.03478	.24552	.25001	.24623
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8107.4**	**107600.**	**6604.8**
Stddev	5.7	97.	14.9
%RSD	.07069	.08983	.22583
#1	8111.4	107530.	6594.2
#2	8103.3	107670.	6615.3

Sample Name: ICVL2372865 Acquired: 11/11/2013 15:45:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01060**	**.10692**	**.01643**	**.09874**	**.01056**	**.00103**	**.12290**	**.22283**	**.00527**	**.01097**	**.01067**	**.01612**	**.10838**
Stddev	.00018	.00020	.00020	.00074	.00019	.00013	.00014	.00366	.00005	.00021	.00013	.00004	.00239
%RSD	1.6875	.18558	1.2228	.75123	1.8092	12.309	.11358	1.6415	.85562	1.9399	1.2392	.22157	2.2071
#1	.01073	.10706	.01629	.09821	.01069	.00112	.12280	.22542	.00530	.01082	.01058	.01614	.10669
#2	.01047	.10678	.01657	.09926	.01042	.00094	.12300	.22025	.00523	.01112	.01076	.01609	.11008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1796**	**.01024**	**.21664**	**.01087**	**.02072**	**1.1041**	**.04352**	**2.9678**	**.01073**	**-.00180**	**.01037**	**.01646**	**.52119**
Stddev	.0772	.00021	.00038	.00002	.00004	.0288	.00042	.0058	.00121	.00068	.00009	.00115	.00728
%RSD	2.4276	2.0849	.17731	.22290	.18868	2.6115	.95685	.19465	11.300	37.953	.86593	7.0133	1.3972
#1	3.2342	.01008	.21691	.01089	.02075	1.1245	.04323	2.9638	.01158	-.00229	.01030	.01728	.52634
#2	3.1250	.01039	.21637	.01085	.02070	1.0837	.04382	2.9719	.00987	-.00132	.01043	.01565	.51605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1154**	**.10552**	**.01056**	**.01542**	**.00987**	**.01769**	F **.09575**	**.01054**	**.02307**	**.01727**
Stddev	.0156	.00087	.00027	.00117	.00047	.00039	.01843	.00031	.00064	.00143
%RSD	1.3972	.82344	2.5877	7.5917	4.7141	2.1977	19.248	2.9687	2.7652	8.2895
#1	1.1264	.10614	.01076	.01625	.00954	.01797	.10878	.01032	.02352	.01828
#2	1.1043	.10491	.01037	.01459	.01020	.01742	.08272	.01076	.02262	.01626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8114.5**	**108380.**	**6577.7**
Stddev	9.0	132.	85.5
%RSD	.11049	.12170	1.2994
#1	8120.9	108280.	6517.3
#2	8108.2	108470.	6638.2

Sample Name: CCVH-2372891 Acquired: 11/11/2013 15:49:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00720**	**51.479**	**.00018**	**.00072**	**.00048**	**-.00006**	**1.0344**	**.01529**	**-.00014**	**-.00034**	**.00003**	**.01057**	**51.107**
Stddev	.00019	.184	.00237	.00021	.00029	.00009	.0003	.00081	.00007	.00007	.00017	.00054	.629
%RSD	2.7034	.35714	1341.1	29.742	59.898	162.63	.02809	5.3076	52.279	18.997	632.20	5.0896	1.2316
#1	.00707	51.349	.00185	.00057	.00068	.00001	1.0342	.01587	-.00019	-.00039	.00014	.01095	50.662
#2	.00734	51.609	-.00150	.00087	.00028	-.00012	1.0346	.01472	-.00009	-.00030	-.00009	.01018	51.552
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**-.00165**	**.08148**	**.00063**	**-.00025**	**255.55**	**-.00037**	**-.00256**	**.00042**	**5.0772**	**.00156**	**-.00372**	**.02748**
Stddev	.04123	.00083	.00285	.00007	.00010	2.09	.00009	.00085	.00084	.0047	.00026	.00431	.00268
%RSD	16174.	50.530	3.4999	11.378	38.782	.81666	22.930	33.279	199.46	.09301	16.399	115.78	9.7714
#1	-.02941	-.00224	.08349	.00068	-.00018	254.07	-.00031	-.00195	-.00017	5.0805	.00175	-.00067	.02938
#2	.02890	-.00106	.07946	.00058	-.00031	257.02	-.00043	-.00316	.00101	5.0738	.00138	-.00677	.02558
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05880**	**.00041**	**.00016**	**5.0290**	**-.01210**	**.00145**	F **6.1853**	**.00132**	**.00036**	**.05357**
Stddev	.00575	.00045	.00006	.0108	.00006	.00127	.0149	.00040	.00015	.00139
%RSD	9.7714	110.32	39.286	.21484	.52775	87.959	.24110	29.981	42.081	2.5917
#1	.06286	.00009	.00020	5.0366	-.01206	.00055	6.1958	.00160	.00046	.05259
#2	.05474	.00073	.00011	5.0213	-.01215	.00235	6.1747	.00104	.00025	.05456
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7875.8**	**102720.**	**6551.5**
Stddev	38.8	158.	109.3
%RSD	.49303	.15425	1.6677
#1	7848.3	102610.	6628.8
#2	7903.2	102830.	6474.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 15:52:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49807**	**.51038**	**.99054**	**.49423**	**.49990**	**.49628**	**-.00098**	**5.0614**	**.49801**	**.50559**	**.50059**	**.50091**	**2.5049**
Stddev	.00078	.00143	.00087	.00102	.00225	.00034	.00137	.0200	.00092	.00082	.00049	.00001	.0030
%RSD	.15590	.27945	.08794	.20645	.44956	.06759	139.80	.39460	.18387	.16204	.09818	.00286	.11816
#1	.49862	.51139	.98993	.49351	.49831	.49604	-.00195	5.0473	.49737	.50617	.50094	.50092	2.5028
#2	.49752	.50937	.99116	.49495	.50149	.49651	-.00001	5.0755	.49866	.50501	.50025	.50090	2.5070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.789**	**.99586**	**19.824**	**.50181**	**.50096**	**5.1325**	**.50767**	**.97829**	**1.0210**	**-.00443**	**.99560**	**.98872**	**4.9558**
Stddev	.093	.00189	.014	.00041	.00470	.0278	.00263	.00963	.0067	.00153	.00077	.00634	.0314
%RSD	.18732	.19018	.07065	.08192	.93862	.54118	.51749	.98412	.65221	34.413	.07784	.64103	.63272
#1	49.723	.99452	19.814	.50210	.50429	5.1521	.50953	.98510	1.0257	-.00335	.99506	.99320	4.9336
#2	49.855	.99720	19.834	.50152	.49764	5.1129	.50581	.97148	1.0163	-.00551	.99615	.98423	4.9780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.605**	**1.0037**	**.49834**	**-.00429**	**.49926**	**1.0243**	**-.01645**	**.49757**	**.49887**	**.49657**
Stddev	.067	.0019	.00008	.00243	.00026	.0001	.06906	.00087	.00110	.00082
%RSD	.63272	.18728	.01569	56.754	.05304	.00843	419.78	.17387	.22024	.16548
#1	10.558	1.0050	.49839	-.00257	.49908	1.0243	-.06528	.49696	.49810	.49715
#2	10.653	1.0024	.49828	-.00601	.49945	1.0242	.03238	.49818	.49965	.49599
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8004.7**	**106790.**	**6582.8**
Stddev	6.9	366.	62.2
%RSD	.08634	.34259	.94494
#1	7999.8	107050.	6538.8
#2	8009.6	106530.	6626.7

Sample Name: X Acquired: 11/11/2013 15:54:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00102**	**.00226**	**-.00006**	**.00006**	**.00011**	**.00036**	**.00534**	**.00013**	**.00026**	**.00013**	**-.00018**	**.00067**
Stddev	.00058	.00262	.00059	.00047	.00012	.00007	.00125	.00161	.00011	.00032	.00013	.00016	.00298
%RSD	234.14	256.20	26.241	789.88	187.74	66.597	346.23	30.171	81.932	121.18	96.658	85.733	443.55
#1	.00066	.00083	.00184	.00027	.00014	.00016	-.00052	.00420	.00005	.00048	.00022	-.00030	.00278
#2	-.00016	-.00288	.00268	-.00039	-.00002	.00006	.00124	.00647	.00020	.00004	.00004	-.00007	-.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03483**	**-.00139**	**.00093**	**.00009**	**.00037**	**.04489**	**.00001**	**-.00392**	**.00111**	**-.00205**	F **.00977**	**.00042**	**.00608**
Stddev	.03117	.00273	.00125	.00007	.00004	.01024	.00034	.00099	.00010	.00149	.00426	.00327	.02658
%RSD	89.485	196.60	134.65	82.475	11.851	22.804	2428.2	25.308	9.1777	72.628	43.616	772.23	437.49
#1	.01279	-.00332	.00181	.00014	.00040	.03766	.00025	-.00462	.00103	-.00310	.00676	.00274	-.01272
#2	.05686	.00054	.00004	.00004	.00034	.05213	-.00023	-.00322	.00118	-.00100	.01278	-.00189	.02487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01300**	**.00063**	**.00015**	**.00038**	**-.00054**	**.00081**	**-.00589**	**.00035**	**.00263**	**.00185**
Stddev	.05688	.00027	.00020	.00034	.00047	.00057	.01693	.00009	.00022	.00068
%RSD	437.49	42.002	132.80	89.242	87.500	71.345	287.56	24.829	8.4584	36.905
#1	-.02722	.00082	.00029	.00062	-.00020	.00121	.00609	.00029	.00247	.00233
#2	.05322	.00045	.00001	.00014	-.00087	.00040	-.01786	.00041	.00278	.00136
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7987.5**	**107080.**	**6476.7**
Stddev	.5	149.	15.2
%RSD	.00640	.13930	.23402
#1	7987.1	106970.	6466.0
#2	7987.8	107190.	6487.5

Sample Name: ICB Acquired: 11/11/2013 16:01:00 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00521**	**.00224**	**-.00100**	**-.00011**	**-.00002**	**-.00133**	**-.00014**	**.00006**	**.00054**	**-.00008**	**-.00057**	**-.00252**
Stddev	.00021	.00006	.00012	.00029	.00018	.00003	.00082	.00483	.00010	.00021	.00008	.00000	.00016
%RSD	310.50	1.2040	5.1397	28.484	160.39	142.09	61.420	3408.0	171.98	38.701	110.87	.31327	6.3108
#1	.00021	-.00525	.00232	-.00121	.00002	.00000	-.00191	.00328	.00013	.00069	-.00002	-.00056	-.00241
#2	-.00008	-.00516	.00216	-.00080	-.00024	-.00004	-.00075	-.00356	-.00001	.00039	-.00014	-.00057	-.00263
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.02582**	**-.00151**	**-.00126**	**.00008**	**.00016**	**-.03408**	**.00028**	**-.00341**	**-.00031**	**-.00200**	**-.00062**	**.00187**	**.00595**
Stddev	.04674	.00065	.00049	.00003	.00019	.00425	.00003	.00052	.00017	.00019	.00137	.00050	.00614
%RSD	181.03	43.121	39.186	34.497	118.30	12.485	9.4084	15.225	55.075	9.5748	219.95	26.763	103.14
#1	-.05887	-.00197	-.00161	.00006	.00029	-.03709	.00026	-.00378	-.00042	-.00187	-.00159	.00152	.01029
#2	.00723	-.00105	-.00091	.00010	.00003	-.03107	.00030	-.00304	-.00019	-.00214	.00035	.00223	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01274**	**.00028**	**-.00002**	**-.00153**	**-.00050**	**.00029**	**.02094**	**.00047**	**-.00036**	**.00211**
Stddev	.01314	.00037	.00004	.00136	.00004	.00049	.00599	.00024	.00010	.00105
%RSD	103.14	129.56	161.96	89.163	7.9897	167.55	28.586	50.788	26.989	49.731
#1	.02203	.00054	.00000	-.00249	-.00047	.00064	.02517	.00064	-.00043	.00137
#2	.00345	.00002	-.00005	-.00056	-.00053	-.00005	.01671	.00030	-.00029	.00285
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.0**	**109520.**	**6630.0**
Stddev	28.7	71.	.1
%RSD	.35327	.06464	.00163
#1	8113.7	109570.	6630.0
#2	8154.3	109470.	6629.9

Sample Name: CRI-2372864 Acquired: 11/11/2013 16:04:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.10011**	**.01137**	**.09273**	**.00471**	**.00096**	**.12046**	**.20820**	**.00487**	**.00542**	**.01006**	**.00999**
Stddev	.00064	.00010	.00230	.00060	.00000	.00002	.00009	.00602	.00013	.00014	.00003	.00025
%RSD	6.1427	.10237	20.194	.64417	.02440	1.5991	.07290	2.8935	2.5840	2.6278	.29289	2.5347
#1	.01080	.10018	.01299	.09316	.00471	.00097	.12052	.20394	.00478	.00552	.01004	.00981
#2	.00990	.10003	.00975	.09231	.00471	.00095	.12040	.21246	.00496	.00532	.01009	.01016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02734**	**.95673**	**.00814**	**.19702**	**.00306**	**.00965**	**.98413**	**.01062**	**.92402**	**.00262**	**.08782**	**.00939**
Stddev	.00123	.01535	.00073	.00032	.00005	.00011	.00873	.00005	.00073	.00114	.00180	.00160
%RSD	4.5038	1.6049	8.9826	.16382	1.7010	1.1713	.88753	.51776	.07874	43.522	2.0531	17.081
#1	.02821	.94587	.00865	.19725	.00302	.00973	.97795	.01066	.92351	.00181	.08910	.00825
#2	.02647	.96759	.00762	.19679	.00310	.00957	.99031	.01058	.92454	.00342	.08655	.01052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00836**	**.50306**	**1.0765**	**.02018**	**.00502**	F **.00448**	**.00903**	**.01068**	**.04925**	**.01005**	**.01196**	W **.01206**
Stddev	.00105	.00109	.0023	.00015	.00011	.00063	.00003	.00032	.03360	.00043	.00050	.00196
%RSD	12.601	.21689	.21689	.76486	2.1929	14.179	.35307	2.9627	68.221	4.2309	4.1908	16.277
#1	.00761	.50383	1.0782	.02007	.00510	.00403	.00905	.01090	.07301	.01035	.01160	.01345
#2	.00910	.50228	1.0749	.02029	.00494	.00493	.00900	.01045	.02549	.00975	.01231	.01067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
Value						.01000						.01000
Range						-50.000%						20.490%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8235.9**	**110700.**	**6627.3**
Stddev	.5	563.	72.4
%RSD	.00603	.50831	1.0921
#1	8235.6	111090.	6678.4
#2	8236.3	110300.	6576.1

Sample Name: ICSA-2295334 Acquired: 11/11/2013 16:09:26 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	R **507.74**	**-.00293**	**-.00122**	**.00023**	**.00004**	W **-.03006**	**463.18**	W **.00095**	**-.00058**	W **.00188**
Stddev	.00037	3.43	.00353	.00043	.00013	.00001	.00219	22.86	.00026	.00009	.00013
%RSD	204680.	.67535	120.41	35.361	53.640	34.983	7.2824	4.9358	27.157	15.716	6.9303
#1	.00026	505.32	-.00543	-.00152	.00015	.00005	-.03161	447.01	.00077	-.00051	.00179
#2	-.00026	510.17	-.00044	-.00091	.00032	.00003	-.02851	479.34	.00113	-.00064	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit							.01200		.00080		.00186
Low Limit							-.01200		-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00227**	**187.99**	**.08984**	W **.00993**	**486.63**	W **.00057**	**-.00005**	**.16471**	**-.00098**	**-.00670**	**.00050**
Stddev	.00038	1.18	.05818	.00170	1.73	.00005	.00007	.06644	.00007	.00188	.00002
%RSD	16.544	.63025	64.756	17.154	.35645	9.4824	165.23	40.337	7.2863	28.030	3.5022
#1	.00201	187.15	.04870	.01114	485.41	.00053	.00001	.11773	-.00103	-.00802	.00051
#2	.00254	188.83	.13098	.00873	487.86	.00061	-.00010	.21169	-.00093	-.00537	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.07746**	**.00235**	**.00113**	**.00135**	**.00289**	**.00107**	W **.01529**	W **.01218**	W **-.00109**	**-.00135**	**-.02751**
Stddev	.00032	.00122	.00164	.00707	.01514	.00063	.00013	.00136	.00017	.00178	.06227
%RSD	.41521	52.094	145.21	524.29	524.29	58.985	.84118	11.193	15.900	132.52	226.38
#1	-.07769	.00148	.00228	-.00365	-.00782	.00151	.01538	.01314	-.00122	-.00261	-.07154
#2	-.07723	.00322	-.00003	.00635	.01359	.00062	.01520	.01122	-.00097	-.00008	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.00050	.00800	.00100		
Low Limit							-.00050	-.00800	-.00100		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00011**	**-.00369**	**.00051**
Stddev	.00026	.00002	.00143
%RSD	236.76	.57700	280.75
#1	-.00008	-.00371	.00153
#2	.00030	-.00368	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7316.1**	**92993.**	**6491.0**
Stddev	36.5	259.	91.0
%RSD	.49890	.27867	1.4020
#1	7290.3	92810.	6555.3
#2	7341.9	93177.	6426.6

Sample Name: ICSAB-2363707 Acquired: 11/11/2013 16:12:23 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0690**	R **508.78**	**1.9458**	**1.8041**	**.50197**	**.48311**	**.99464**	**454.77**	**.98426**	**.45633**	**.47761**	**.52697**	**187.92**
Stddev	.0032	7.22	.0020	.0014	.00508	.00747	.00431	2.55	.00027	.00057	.00018	.00164	2.21
%RSD	.29423	1.4197	.10176	.07495	1.0114	1.5467	.43303	.56115	.02716	.12522	.03873	.31208	1.1751
#1	1.0712	503.67	1.9472	1.8051	.49838	.47782	.99768	456.57	.98445	.45673	.47774	.52814	186.35
#2	1.0668	513.89	1.9444	1.8032	.50556	.48839	.99159	452.96	.98407	.45592	.47748	.52581	189.48
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.159**	**1.0594**	**481.75**	**.49704**	**.93526**	**52.394**	**.89910**	**1.8699**	**.88656**	**.90099**	**.95999**	**4.5872**	**9.6845**
Stddev	.772	.0113	8.76	.00076	.00036	.523	.00061	.0057	.00120	.00732	.00022	.0067	.1709
%RSD	1.4517	1.0685	1.8192	.15258	.03801	.99830	.06730	.30265	.13531	.81223	.02258	.14562	1.7647
#1	52.614	1.0514	487.94	.49758	.93552	52.024	.89952	1.8739	.88571	.90617	.95984	4.5825	9.5637
#2	53.705	1.0674	475.55	.49651	.93501	52.764	.89867	1.8659	.88741	.89582	.96015	4.5919	9.8054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.725**	**8.7115**	**1.0062**	**2.0347**	**.98121**	**8.0864**	**.00051**	**.49825**	**.96312**	**.99045**
Stddev	.366	.0018	.0118	.0097	.00305	.0060	.02573	.00104	.00208	.01128
%RSD	1.7647	.02058	1.1764	.47461	.31134	.07426	5042.7	.20973	.21627	1.1393
#1	20.466	8.7128	.99779	2.0416	.98337	8.0906	.01870	.49899	.96459	.98248
#2	20.984	8.7102	1.0145	2.0279	.97905	8.0822	-.01768	.49751	.96164	.99843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7356.0**	**93349.**	**6444.0**
Stddev	19.9	490.	93.4
%RSD	.27009	.52532	1.4498
#1	7370.1	93002.	6510.0
#2	7342.0	93696.	6377.9

Sample Name: Na 5000 Acquired: 11/11/2013 16:15:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.01083**	**-.00093**	**.00080**	**.00043**	**.00003**	**.00347**	**.04296**	**-.00017**	**-.00003**
Stddev	.00021	.00020	.00012	.00077	.00032	.00009	.00206	.00191	.00017	.00019
%RSD	44.356	1.8190	12.734	96.863	75.985	301.73	59.491	4.4355	100.25	666.85
#1	-.00061	.01097	-.00084	.00134	.00066	.00009	.00493	.04431	-.00005	.00010
#2	-.00032	.01069	-.00101	.00025	.00020	-.00003	.00201	.04161	-.00029	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00056**	**.00989**	**8.5753**	**.00737**	**.03203**	**.00040**	**.00017**	RW **5219.8**	**.00034**
Stddev	.00018	.00026	.00026	1.1171	.00294	.00042	.00004	.00008	3.6	.00018
%RSD	324.40	46.850	2.6332	13.027	39.922	1.3133	9.4191	44.782	.06884	52.010
#1	.00007	.00037	.00970	7.7854	.00529	.03233	.00037	.00022	5222.4	.00022
#2	-.00018	.00074	.01007	9.3652	.00945	.03174	.00042	.00012	5217.3	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00123**	**-.00110**	**.02091**	**-.00053**	**-.00147**	**.02283**	**.04886**	**.00084**	**.00025**	**-.00449**
Stddev	.00150	.00015	.00083	.00007	.00007	.02868	.06137	.00026	.00005	.00068
%RSD	122.55	13.346	3.9866	13.673	4.9989	125.61	125.61	30.536	20.092	15.182
#1	.00016	-.00099	.02150	-.00059	-.00142	.04311	.09226	.00102	.00021	-.00401
#2	.00229	-.00120	.02032	-.00048	-.00153	.00255	.00546	.00066	.00028	-.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00054**	**.00163**	**.00086**	**.00473**	**.00074**
Stddev	.00064	.00026	.00761	.00074	.00049	.00207
%RSD	125.66	47.327	467.57	85.237	10.418	279.85
#1	-.00006	.00036	.00701	.00138	.00508	.00220
#2	-.00096	.00072	-.00375	.00034	.00438	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6593.1**	**81694.**	**6131.6**
Stddev	12.1	31.	48.8
%RSD	.18422	.03776	.79529
#1	6584.5	81672.	6166.1
#2	6601.7	81716.	6097.1

Sample Name: LRA-2305343 Acquired: 11/11/2013 16:19:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 1.2413	.57213	9.6768	9.2144	12.077	-.00591	-.12682	.00888	2.0191	4.9734	10.033	10.278	R 502.58
Stddev	.0015	.00062	.0011	.0207	.112	.00008	.00092	.00286	.0024	.0064	.023	.003	.14
%RSD	.12066	.10862	.01154	.22405	.93135	1.3491	.72888	32.158	.11961	.12944	.22483	.03143	.02805
#1	1.2402	.57170	9.6776	9.2290	11.997	-.00597	-.12617	.00686	2.0208	4.9779	10.049	10.276	502.67
#2	1.2423	.57257	9.6760	9.1998	12.156	-.00586	-.12747	.01090	2.0174	4.9688	10.017	10.280	502.48
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03741	-.00104	.00804	9.8803	4.9063	.63034	10.012	.00429	10.052	-.08555	-.10979	4.7344	47.724
Stddev	.07036	.00081	.00075	.0144	.0198	.04717	.020	.00125	.016	.00332	.00263	.0054	.088
%RSD	188.08	77.787	9.2751	.14541	.40406	7.4836	.20376	29.063	.15979	3.8783	2.3979	.11324	.18384
#1	.08716	-.00161	.00857	9.8905	4.9203	.66370	10.027	.00341	10.063	-.08789	-.11165	4.7382	47.662
#2	-.01234	-.00047	.00752	9.8701	4.8923	.59699	9.9977	.00518	10.040	-.08320	-.10793	4.7307	47.786
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	102.13	.01568	10.048	.02715	9.9272	4.8385	-.01695	9.9122	9.6362	-.00536
Stddev	.19	.00104	.209	.00026	.0036	.0172	.01966	.0001	.0224	.00031
%RSD	.18384	6.6385	2.0774	.95695	.03632	.35579	116.02	.00099	.23235	5.7516
#1	102.00	.01494	10.195	.02696	9.9247	4.8507	-.00304	9.9121	9.6521	-.00515
#2	102.26	.01641	9.9001	.02733	9.9298	4.8264	-.03085	9.9123	9.6204	-.00558
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7947.4	106470.	6621.1
Stddev	27.3	81.	4.0
%RSD	.34400	.07580	.06067
#1	7928.1	106530.	6624.0
#2	7966.7	106410.	6618.3

Sample Name: CCVH-2372891 Acquired: 11/11/2013 16:22:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00764**	**51.230**	**.00459**	**.01348**	**.00039**	**-.00004**	**1.0177**	**.01457**	**.00002**	**-.00005**	**.00025**	**.01186**	**50.272**
Stddev	.00062	.089	.00025	.00086	.00027	.00012	.0028	.00233	.00014	.00004	.00034	.00165	.099
%RSD	8.0763	.17448	5.4636	6.3586	69.713	323.85	.27731	16.011	827.58	71.234	136.71	13.916	.19694
#1	.00807	51.167	.00441	.01408	.00058	.00005	1.0197	.01622	.00012	-.00003	.00048	.01303	50.202
#2	.00720	51.293	.00477	.01287	.00020	-.00012	1.0157	.01292	-.00008	-.00008	.00001	.01070	50.342
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06773**	**-.00147**	**.07890**	**.00186**	**.00078**	**253.43**	**-.00012**	**-.00144**	**.00124**	**5.0587**	**-.00096**	**.00047**	**.03492**
Stddev	.00736	.00131	.00050	.00139	.00034	.52	.00003	.00065	.00109	.0203	.00199	.00337	.00592
%RSD	10.863	89.254	.63471	74.861	43.234	.20639	24.014	45.252	87.498	.40215	207.88	714.48	16.948
#1	.06253	-.00240	.07926	.00284	.00054	253.80	-.00010	-.00098	.00047	5.0731	.00045	.00285	.03910
#2	.07293	-.00054	.07855	.00087	.00102	253.06	-.00014	-.00190	.00201	5.0443	-.00237	-.00191	.03073
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07473**	**-.00005**	**.00066**	**4.9913**	**-.00993**	**.00254**	F **6.0738**	**.00274**	**.00200**	**.05044**
Stddev	.01266	.00035	.00003	.0103	.00111	.00008	.0561	.00150	.00154	.00004
%RSD	16.948	754.83	4.2642	.20659	11.170	3.0677	.92329	54.839	76.779	.07001
#1	.08368	.00020	.00064	4.9840	-.00915	.00248	6.1134	.00381	.00309	.05041
#2	.06577	-.00029	.00068	4.9985	-.01072	.00259	6.0341	.00168	.00092	.05046
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7937.3**	**103520.**	**6611.8**
Stddev	32.9	453.	20.5
%RSD	.41427	.43767	.30951
#1	7960.6	103840.	6597.4
#2	7914.1	103200.	6626.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 16:24:29 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49059**	**.50671**	**.97321**	**.49643**	**.50035**	**.49282**	**-.00050**	**5.0617**	**.49413**	**.50391**	**.49634**	**.49770**	**2.5092**
Stddev	.00020	.00002	.00000	.00049	.00109	.00364	.00013	.0426	.00108	.00031	.00048	.00129	.0122
%RSD	.04053	.00427	.00028	.09776	.21847	.73918	25.638	.84111	.21883	.06112	.09735	.25822	.48785
#1	.49073	.50672	.97321	.49609	.49958	.49025	-.00041	5.0316	.49336	.50413	.49668	.49679	2.5006
#2	.49045	.50669	.97322	.49677	.50113	.49540	-.00060	5.0918	.49489	.50370	.49600	.49861	2.5179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.054**	**.99252**	**19.567**	**.49934**	**.49603**	**5.2761**	**.50095**	**.96846**	**1.0110**	**-.00987**	**.98968**	**.98297**	**4.9388**
Stddev	.297	.00683	.016	.00195	.00212	.0043	.00157	.00519	.0048	.00198	.00134	.00177	.0319
%RSD	.59369	.68835	.08235	.39020	.42817	.08164	.31382	.53557	.47672	20.045	.13506	.17957	.64551
#1	49.844	.98769	19.579	.49796	.49753	5.2730	.50206	.97213	1.0144	-.00847	.98874	.98172	4.9163
#2	50.264	.99735	19.556	.50072	.49453	5.2791	.49984	.96479	1.0076	-.01127	.99063	.98421	4.9614
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.569**	**.99295**	**.49734**	**-.00277**	**.49774**	**1.0166**	**.01736**	**.49695**	**.49839**	**.49669**
Stddev	.068	.00281	.00185	.00184	.00205	.0000	.01611	.00103	.00114	.00120
%RSD	.64551	.28282	.37197	66.385	.41196	.00408	92.806	.20687	.22943	.24197
#1	10.521	.99097	.49603	-.00407	.49630	1.0166	.00597	.49623	.49758	.49584
#2	10.617	.99494	.49865	-.00147	.49919	1.0166	.02875	.49768	.49919	.49754
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8157.5**	**107940.**	**6629.6**
Stddev	16.3	668.	69.7
%RSD	.19940	.61850	1.0516
#1	8169.0	108410.	6678.9
#2	8146.0	107470.	6580.3

Sample Name: CCB Acquired: 11/11/2013 16:26:36 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00333**	**.00300**	W **.00576**	**.00023**	**.00004**	**.00079**	**.00201**	**.00001**	**.00027**	**.00008**	**-.00060**
Stddev	.0000	.00104	.00085	.00021	.00022	.00001	.00292	.00362	.00001	.00017	.00015	.00005
%RSD	173.52	31.327	28.413	3.7173	94.268	12.384	368.08	180.38	134.23	61.191	180.40	8.5106
#1	-.00001	-.00407	.00240	.00592	.00039	.00005	-.00127	.00457	.00000	.00015	.00019	-.00063
#2	.00000	-.00259	.00361	.00561	.00008	.00004	.00285	-.00055	.00001	.00039	-.00002	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.05535**	**-.00219**	**.00372**	**.00015**	**.00044**	W **.14965**	**.00006**	**-.00560**	**-.00010**	**-.00548**	F **.00934**
Stddev	.00057	.02473	.00134	.00025	.00001	.00008	.00356	.00009	.00166	.00023	.00058	.00268
%RSD	34.834	44.678	61.328	6.6723	7.8518	17.368	2.3794	159.65	29.612	222.06	10.669	28.695
#1	-.00124	.03787	-.00314	.00354	.00014	.00039	.15217	.00012	-.00443	-.00026	-.00589	.00744
#2	-.00206	.07284	-.00124	.00389	.00016	.00050	.14714	-.00001	-.00677	.00006	-.00506	.01123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00185**	**.02749**	**.05884**	**.00071**	**.00013**	**-.00037**	**-.00048**	**.00046**	**-.00156**	**.00040**	**.00227**	W **.00373**
Stddev	.00101	.00683	.01461	.00034	.00007	.00019	.00002	.00077	.02758	.00004	.00010	.00166
%RSD	54.954	24.827	24.827	48.523	49.757	51.575	3.1713	167.36	1763.8	9.1125	4.5053	44.501
#1	.00113	.03232	.06917	.00095	.00018	-.00051	-.00049	.00101	-.02107	.00042	.00220	.00256
#2	.00256	.02267	.04851	.00047	.00009	-.00024	-.00047	-.00008	.01794	.00037	.00234	.00491
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.0**	**108940.**	**6591.5**
Stddev	10.7	546.	58.0
%RSD	.13186	.50137	.88046
#1	8107.4	108550.	6550.4
#2	8122.6	109320.	6632.5

Sample Name: CCVL2372865 Acquired: 11/11/2013 16:28:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01094**	**.10617**	**.01637**	**.10256**	**.01063**	**.00100**	**.12271**	**.22057**	**.00525**	**.01098**	**.01073**	**.01536**	**.10718**
Stddev	.00070	.00077	.00158	.00091	.00005	.00006	.00122	.00120	.00006	.00030	.00025	.00036	.00126
%RSD	6.4047	.72456	9.6750	.89069	.43529	5.6960	.99481	.54310	1.0925	2.6896	2.3230	2.3501	1.1770
#1	.01143	.10563	.01749	.10321	.01060	.00104	.12357	.22141	.00521	.01077	.01090	.01562	.10629
#2	.01044	.10672	.01525	.10191	.01066	.00096	.12185	.21972	.00529	.01119	.01055	.01511	.10807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1038**	**.00922**	**.21063**	**.01053**	**.02043**	**1.1759**	**.04299**	**2.9429**	**.00965**	**-.00514**	**.00927**	**.01154**	**.52162**
Stddev	.0138	.00208	.00129	.00003	.00001	.0026	.00023	.0086	.00017	.00087	.00092	.00304	.00383
%RSD	.44593	22.543	.61136	.32291	.06420	.21872	.53160	.29375	1.8114	16.818	9.9265	26.311	.73427
#1	3.0940	.00775	.20972	.01051	.02044	1.1777	.04315	2.9490	.00953	-.00576	.00993	.00939	.51891
#2	3.1136	.01069	.21154	.01056	.02042	1.1741	.04283	2.9368	.00978	-.00453	.00862	.01369	.52432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1163**	**.10536**	**.01057**	**.01507**	**.00977**	**.01664**	F **.03794**	**.01056**	**.02322**	**.01856**
Stddev	.0082	.00059	.00009	.00047	.00019	.00024	.03199	.00027	.00030	.00018
%RSD	.73427	.56336	.88681	3.0906	1.9110	1.4299	84.314	2.5219	1.2805	.96831
#1	1.1105	.10578	.01050	.01474	.00963	.01648	.01532	.01037	.02343	.01843
#2	1.1221	.10494	.01063	.01540	.00990	.01681	.06056	.01075	.02301	.01868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.1**	**114500.**	**6849.1**
Stddev	15.4	345.	56.8
%RSD	.18149	.30154	.82932
#1	8514.0	114260.	6808.9
#2	8492.2	114750.	6889.2

Sample Name: mb 280-199576/1-a Acquired: 11/11/2013 16:31:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00159**	**.00265**	**.00287**	**-.00025**	**-.00002**	**.00284**	**.00857**	**.00008**	**.00024**
Stddev	.00029	.00012	.00124	.00036	.00005	.00004	.00001	.00127	.00011	.00020
%RSD	56.206	7.4072	46.883	12.537	18.688	228.20	.25938	14.855	144.46	83.513
#1	.00071	-.00151	.00177	.00312	-.00028	.00001	.00284	.00947	.00000	.00038
#2	.00031	-.00167	.00353	.00262	-.00022	-.00004	.00283	.00767	.00016	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00006**	**.01321**	**.04287**	**-.00104**	**-.00082**	**.00035**	**.00001**	**.09980**	**.00039**
Stddev	.00002	.00019	.00245	.01613	.00180	.00011	.00007	.00019	.00312	.00000
%RSD	11.416	338.88	18.513	37.617	174.25	13.420	20.343	1527.0	3.1312	1.2456
#1	.00016	.00019	.01148	.05427	-.00231	-.00074	.00040	-.00012	.10201	.00039
#2	.00019	-.00008	.01494	.03147	.00024	-.00090	.00030	.00014	.09759	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00327**	**.00095**	**.00126**	**-.00096**	**-.00122**	**.01176**	**.02517**	**.00084**	**.00003**	**.00083**
Stddev	.00051	.00008	.00209	.00095	.00060	.00001	.00003	.00048	.00006	.00073
%RSD	15.457	8.0358	165.18	99.560	49.525	.12314	.12314	57.005	184.04	88.257
#1	-.00363	.00101	-.00021	-.00163	-.00079	.01177	.02520	.00118	.00007	.00134
#2	-.00291	.00090	.00274	-.00028	-.00165	.01175	.02515	.00050	-.00001	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**-.00019**	**-.00023**	**.00032**	**.00570**	**.00379**
Stddev	.00023	.00014	.00872	.00037	.00010	.00235
%RSD	48.453	69.954	3740.8	115.51	1.6917	61.952
#1	-.00063	-.00029	.00594	.00006	.00577	.00213
#2	-.00031	-.00010	-.00640	.00058	.00563	.00545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8531.5**	**115380.**	**7126.6**
Stddev	29.4	473.	13.1
%RSD	.34517	.40973	.18374
#1	8510.7	115710.	7117.3
#2	8552.3	115040.	7135.9

Sample Name: lcs 280-199576/2-a Acquired: 11/11/2013 16:33:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04953**	**1.8893**	**.97067**	**.98067**	**2.0214**	**.04939**	**2.1700**	**48.706**	**.10342**	**.48901**
Stddev	.00008	.0015	.00089	.00293	.0030	.00017	.0034	.141	.00036	.00103
%RSD	.17141	.07848	.09126	.29909	.14897	.34684	.15784	.28945	.34356	.21006
#1	.04959	1.8904	.97130	.98275	2.0193	.04927	2.1724	48.606	.10367	.48974
#2	.04947	1.8883	.97004	.97860	2.0235	.04951	2.1676	48.805	.10316	.48828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19868**	**.25467**	**1.0672**	**50.081**	**.99267**	**48.394**	**.49313**	**.98596**	**51.646**	**.48826**
Stddev	.00014	.00024	.0031	.103	.00087	.003	.00009	.00220	.315	.00122
%RSD	.06821	.09509	.29027	.20535	.08808	.00528	.01777	.22320	.60974	.25076
#1	.19877	.25484	1.0650	50.009	.99329	48.395	.49319	.98752	51.423	.48913
#2	.19858	.25450	1.0694	50.154	.99205	48.392	.49307	.98441	51.868	.48740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.8741**	**.48109**	**-.01109**	**.48537**	**1.9498**	**9.8178**	**21.010**	**1.9408**	**1.0024**	**1.0073**
Stddev	.0395	.00046	.00071	.00689	.0214	.0635	.136	.0149	.0013	.0007
%RSD	.39977	.09489	6.4254	1.4192	1.0988	.64638	.64638	.76778	.12480	.07145
#1	9.9020	.48141	-.01160	.49024	1.9649	9.7729	20.914	1.9514	1.0015	1.0078
#2	9.8462	.48076	-.01059	.48050	1.9346	9.8627	21.106	1.9303	1.0032	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99519**	**1.9269**	**2.1374**	**.50059**	**.48902**	**.51099**
Stddev	.00145	.0159	.0135	.00098	.00006	.00291
%RSD	.14523	.82696	.62945	.19649	.01253	.57016
#1	.99417	1.9382	2.1279	.50128	.48906	.50893
#2	.99621	1.9157	2.1469	.49989	.48898	.51305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8180.1**	**108310.**	**6991.9**
Stddev	22.8	173.	49.4
%RSD	.27901	.15939	.70608
#1	8163.9	108430.	7026.8
#2	8196.2	108190.	6957.0

Sample Name: 280-48773-c-1-a@10 Acquired: 11/11/2013 16:35:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00530**	**.00140**	**.13609**	**.00393**	**-.00003**	**.00054**	**2.1839**	**.00004**	**.00023**
Stddev	.00036	.00000	.00101	.00013	.00154	.00005	.00017	.0457	.00021	.00011
%RSD	78.710	.05349	72.395	.09340	39.316	173.97	31.184	2.0905	483.28	48.819
#1	.00020	.00530	.00212	.13600	.00283	-.00007	.00065	2.1516	-.00011	.00015
#2	.00071	.00530	.00068	.13618	.00502	.00001	.00042	2.2162	.00020	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00057**	**.01745**	**.10758**	**.00406**	**.79813**	**.01271**	**.00382**	**96.932**	**.00095**
Stddev	.00003	.00028	.00071	.04123	.00113	.00221	.00014	.00014	.930	.00007
%RSD	39.626	50.046	4.0774	38.330	27.808	.27732	1.0725	3.6650	.95959	7.1694
#1	.00011	.00077	.01695	.07842	.00326	.79656	.01261	.00372	97.590	.00100
#2	.00006	.00037	.01795	.13673	.00485	.79969	.01281	.00392	96.274	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00007**	**25.314**	**-.00187**	**.00049**	**.47149**	**1.0090**	**.00345**	**.06774**	**-.00041**
Stddev	.00095	.00118	.011	.00022	.00336	.03327	.0712	.00036	.00098	.00038
%RSD	12.992	1694.5	.04183	11.600	684.07	7.0572	7.0572	10.454	1.4439	93.616
#1	.00662	.00076	25.321	-.00202	.00287	.44796	.95863	.00319	.06705	-.00068
#2	.00796	-.00090	25.306	-.00171	-.00189	.49502	1.0593	.00370	.06843	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00283**	**.02016**	**.00059**	**.00643**	**.00245**
Stddev	.00023	.00129	.06164	.00034	.00036	.00124
%RSD	98.146	45.470	305.82	57.340	5.5693	50.484
#1	-.00039	.00374	.06374	.00082	.00668	.00333
#2	-.00007	.00192	-.02343	.00035	.00618	.00158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8087.9**	**107560.**	**6866.3**
Stddev	3.8	780.	18.4
%RSD	.04654	.72496	.26733
#1	8090.6	108110.	6853.3
#2	8085.3	107010.	6879.2

Sample Name: 280-48773-c-1-aSD@50 Acquired: 11/11/2013 16:37:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00605**	**-.00040**	**.02872**	**.00073**	**-.00005**	**.00139**	**.43915**	**.00014**	**.00030**
Stddev	.00012	.00002	.00255	.00003	.00006	.00001	.00004	.00458	.00007	.00013
%RSD	39.354	.27263	631.60	.09823	8.8730	11.748	2.6321	1.0421	50.496	43.631
#1	.00021	.00604	.00140	.02870	.00068	-.00005	.00136	.43591	.00009	.00039
#2	.00038	.00606	-.00221	.02874	.00078	-.00004	.00142	.44238	.00019	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00010**	**.01882**	**-.05140**	**.00172**	**.16112**	**.00272**	**.00074**	**19.954**	**.00058**
Stddev	.00015	.00017	.00089	.01028	.00205	.00266	.00003	.00028	.056	.00016
%RSD	125.65	164.93	4.7189	20.008	119.44	1.6496	1.0121	37.090	.28054	26.655
#1	-.00022	.00002	.01819	-.05867	.00027	.16300	.00270	.00055	19.914	.00047
#2	-.00001	-.00022	.01945	-.04413	.00317	.15924	.00274	.00094	19.993	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00264**	**.00013**	**4.9492**	**-.00053**	**-.00164**	**.09871**	**.21125**	**.00273**	**.01338**	**.00100**
Stddev	.00012	.00005	.0029	.00259	.00275	.00400	.00856	.00031	.00004	.00287
%RSD	4.4924	39.228	.05870	487.37	167.62	4.0537	4.0537	11.334	.28949	287.64
#1	-.00255	.00009	4.9513	-.00236	.00030	.10154	.21730	.00251	.01335	-.00103
#2	-.00272	.00016	4.9472	.00130	-.00358	.09588	.20519	.00295	.01341	.00303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00051**	**.00074**	**.00015**	**.00011**	**.00492**	**.00000**
Stddev	.00008	.00002	.03279	.00074	.00028	.00263
%RSD	15.742	3.0251	22531.	700.50	5.6684	313230.
#1	-.00057	.00076	.02333	.00063	.00472	-.00186
#2	-.00045	.00073	-.02304	-.00042	.00512	.00186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8279.2**	**110980.**	**6773.9**
Stddev	22.1	422.	12.7
%RSD	.26687	.38027	.18708
#1	8263.6	110680.	6782.9
#2	8294.8	111280.	6765.0

Sample Name: 48773-c-1-b ms@10 Acquired: 11/11/2013 16:40:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00547**	**.20515**	**.09523**	**.21458**	**.20276**	**.00498**	F **.22026**	**6.7569**	**.01034**	**.05119**
Stddev	.00005	.00056	.00142	.00028	.00224	.00012	.00585	.0692	.00021	.00021
%RSD	1.0017	.27363	1.4906	.13271	1.1035	2.3171	2.6583	1.0241	2.0605	.40414
#1	.00551	.20476	.09423	.21478	.20118	.00490	.21612	6.7079	.01049	.05134
#2	.00544	.20555	.09623	.21438	.20434	.00506	.22440	6.8058	.01019	.05104
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02032**	**.02602**	**.11600**	**5.0877**	**.09833**	**5.4487**	**.06062**	**.10344**	**89.615**	**.05189**
Stddev	.00006	.00001	.00317	.0572	.00463	.0111	.00028	.00057	.280	.00021
%RSD	.31531	.02614	2.7332	1.1241	4.7073	.20438	.45632	.55123	.31206	.41136
#1	.02028	.02602	.11376	5.0473	.09506	5.4409	.06042	.10384	89.418	.05174
#2	.02037	.02603	.11824	5.1282	.10161	5.4566	.06081	.10303	89.813	.05204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0023**	**.04865**	**21.805**	**.04564**	**.19406**	**1.3756**	**2.9438**	**.20164**	**.15689**	**.10046**
Stddev	.0001	.00027	.035	.00155	.00140	.0316	.0676	.00019	.00152	.00006
%RSD	.01229	.55057	.15948	3.4047	.72327	2.2977	2.2977	.09652	.97159	.06042
#1	1.0022	.04884	21.781	.04674	.19506	1.3532	2.8959	.20150	.15582	.10050
#2	1.0024	.04846	21.830	.04454	.19307	1.3979	2.9916	.20178	.15797	.10041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09960**	**.19743**	**.20481**	**.05080**	**.05473**	**.05358**
Stddev	.00020	.00119	.01020	.00066	.00027	.00157
%RSD	.19755	.60515	4.9823	1.3073	.49737	2.9298
#1	.09946	.19659	.21203	.05127	.05492	.05247
#2	.09974	.19828	.19760	.05033	.05454	.05469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8094.3**	**107920.**	**6775.4**
Stddev	32.5	160.	22.1
%RSD	.40090	.14792	.32679
#1	8071.3	107810.	6791.1
#2	8117.2	108040.	6759.8

Sample Name: 48773-c-1-c msd@10 Acquired: 11/11/2013 16:42:36 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00562**	**.20716**	**.09976**	**.21695**	**.20214**	**.00497**	F **.22179**	**6.7712**	**.01056**	**.05118**
Stddev	.00020	.00091	.00159	.00073	.00130	.00011	.00267	.0194	.00030	.00039
%RSD	3.5341	.43916	1.5965	.33474	.64504	2.3098	1.2049	.28605	2.7962	.76959
#1	.00576	.20652	.10089	.21644	.20121	.00488	.21990	6.7575	.01077	.05091
#2	.00548	.20781	.09864	.21747	.20306	.00505	.22368	6.7849	.01035	.05146
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02028**	**.02588**	**.11452**	**5.0073**	**.10187**	**5.4651**	**.06081**	**.10368**	**90.985**	**.05200**
Stddev	.00001	.00024	.00196	.0021	.00364	.0076	.00022	.00030	.072	.00021
%RSD	.03184	.94521	1.7110	.04251	3.5714	.13806	.35663	.29258	.07898	.41180
#1	.02028	.02606	.11591	5.0058	.09929	5.4598	.06096	.10346	90.935	.05215
#2	.02028	.02571	.11314	5.0088	.10444	5.4704	.06065	.10389	91.036	.05185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0089**	**.04991**	**22.256**	**.04757**	**.19217**	**1.3766**	**2.9460**	**.20169**	**.15759**	**.09890**
Stddev	.0002	.00003	.032	.00245	.00265	.0151	.0323	.00015	.00103	.00141
%RSD	.02174	.05919	.14163	5.1547	1.3776	1.0951	1.0951	.07332	.65588	1.4207
#1	1.0091	.04993	22.234	.04930	.19404	1.3660	2.9232	.20180	.15686	.09790
#2	1.0088	.04989	22.278	.04583	.19029	1.3873	2.9688	.20159	.15832	.09989
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09887**	**.19688**	**.20799**	**.05132**	**.05493**	**.05348**
Stddev	.00033	.00103	.01999	.00006	.00002	.00020
%RSD	.33716	.52316	9.6134	.12548	.03484	.37640
#1	.09863	.19616	.22213	.05128	.05491	.05363
#2	.09910	.19761	.19385	.05137	.05494	.05334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8108.5**	**107750.**	**6820.8**
Stddev	22.3	125.	13.1
%RSD	.27492	.11583	.19164
#1	8124.3	107840.	6830.1
#2	8092.7	107660.	6811.6

Sample Name: 48773-c-1-aPDS@10 Acquired: 11/11/2013 16:44:51 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05037**	**.97632**	**.19963**	**.22261**	**.10471**	**.04982**	**.00086**	**21.623**	**.04994**	**.04999**
Stddev	.00010	.00177	.00269	.00018	.00167	.00031	.00124	.074	.00008	.00013
%RSD	.19215	.18121	1.3500	.07915	1.5937	.61600	144.59	.34214	.15091	.26812
#1	.05044	.97507	.19773	.22273	.10589	.04961	-.00002	21.570	.04999	.04990
#2	.05030	.97758	.20154	.22248	.10353	.05004	.00173	21.675	.04988	.05008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05005**	**.05145**	**1.0947**	**19.962**	**.10338**	**19.831**	**.06234**	**.05157**	**114.70**	**.05061**
Stddev	.00002	.00057	.1104	.192	.00179	.134	.00044	.00009	.25	.00022
%RSD	.03232	1.1050	10.088	.96108	1.7331	.67688	.71072	.17349	.21441	.44251
#1	.05006	.05186	1.1728	19.826	.10212	19.926	.06266	.05163	114.88	.05077
#2	.05003	.05105	1.0166	20.097	.10465	19.736	.06203	.05150	114.53	.05045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0204**	**.09619**	**24.634**	**.09372**	**.19158**	**5.1636**	**11.050**	**.09747**	**.11504**	**.20195**
Stddev	.0076	.00004	.027	.00152	.00055	.0469	.100	.00012	.00111	.00363
%RSD	.37553	.03890	.10881	1.6235	.28693	.90801	.90801	.12066	.96486	1.7979
#1	2.0257	.09617	24.615	.09480	.19197	5.1305	10.979	.09756	.11582	.20451
#2	2.0150	.09622	24.653	.09265	.19120	5.1968	11.121	.09739	.11425	.19938
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04809**	**.19274**	**.55101**	**.05150**	**.20564**	**.05140**
Stddev	.00015	.00051	.05387	.00045	.00088	.00329
%RSD	.30527	.26296	9.7765	.87052	.42907	6.4081
#1	.04819	.19309	.51292	.05182	.20627	.04907
#2	.04798	.19238	.58910	.05119	.20502	.05373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.4**	**106300.**	**6803.4**
Stddev	14.6	691.	38.5
%RSD	.18101	.65004	.56654
#1	8096.7	105820.	6830.7
#2	8076.0	106790.	6776.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 16:47:05 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00737**	**50.618**	**.00197**	**.00259**	**-.00007**	**-.00006**	**1.0272**	**.02173**	**-.00018**	**-.00018**	**.00001**	**.01031**	**49.920**
Stddev	.00039	.017	.00070	.00035	.00018	.00007	.0034	.00062	.00013	.00006	.00005	.00045	.073
%RSD	5.2551	.03332	35.525	13.690	243.23	114.93	.33454	2.8324	70.518	32.566	306.96	4.3274	.14712
#1	.00709	50.607	.00246	.00234	-.00020	-.00001	1.0248	.02216	-.00009	-.00014	-.00002	.00999	49.868
#2	.00764	50.630	.00147	.00284	.00005	-.00010	1.0296	.02129	-.00027	-.00023	.00005	.01062	49.972
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00933**	**-.00217**	**.08315**	**.00065**	**-.00013**	**251.83**	**-.00002**	**.00028**	**-.00034**	**5.0951**	**.00115**	**-.00397**	**.01530**
Stddev	.01655	.00321	.00140	.00002	.00001	.43	.00016	.00344	.00097	.0339	.00088	.00171	.00285
%RSD	177.48	148.08	1.6833	3.4104	10.203	.17028	727.62	1244.3	284.32	.66617	76.608	43.022	18.613
#1	-.02103	-.00444	.08414	.00064	-.00012	252.13	-.00014	-.00216	-.00102	5.0711	.00053	-.00276	.01328
#2	.00238	.00010	.08216	.00067	-.00014	251.53	.00009	.00271	.00034	5.1191	.00178	-.00518	.01731
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03273**	**-.00025**	**.00027**	**4.9876**	**-.01162**	**.00132**	F **6.1469**	**.00132**	**.00059**	**.05135**
Stddev	.00609	.00014	.00007	.0264	.00016	.00026	.0458	.00039	.00004	.00562
%RSD	18.613	54.941	27.864	.53017	1.3764	19.956	.74580	29.655	7.0273	10.940
#1	.02842	-.00035	.00021	4.9689	-.01173	.00114	6.1144	.00104	.00056	.05532
#2	.03704	-.00015	.00032	5.0063	-.01151	.00151	6.1793	.00159	.00062	.04738
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8126.2**	**106300.**	**6875.5**
Stddev	1.3	933.	37.0
%RSD	.01645	.87808	.53797
#1	8127.1	106960.	6901.6
#2	8125.2	105640.	6849.3

Sample Name: CCV-2372889 Acquired: 11/11/2013 16:49:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49531**	**.53987**	**.97712**	**.49132**	**.49724**	**.49299**	**-.00094**	**5.0220**	**.49180**	**.50130**	**.49648**	**.49729**	**2.4859**
Stddev	.00149	.05345	.00117	.00210	.00145	.00315	.00335	.0352	.00248	.00137	.00069	.00270	.0179
%RSD	.30073	9.9001	.11937	.42725	.29138	.63918	358.10	.70147	.50481	.27399	.13890	.54266	.72093
#1	.49426	.57766	.97629	.48984	.49621	.49076	.00143	4.9971	.49004	.50033	.49599	.49538	2.4732
#2	.49636	.50208	.97794	.49280	.49826	.49522	-.00330	5.0469	.49355	.50227	.49697	.49919	2.4985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.605**	**.98391**	**19.509**	**.49684**	**.49668**	**5.1838**	**.50132**	**.97756**	**1.0060**	**.02852**	**.99393**	**.98680**	**4.8742**
Stddev	.113	.00093	.017	.00027	.00332	.0339	.00148	.00768	.0017	.05200	.00012	.00167	.0429
%RSD	.22788	.09469	.08901	.05489	.66806	.65440	.29579	.78530	.16598	182.31	.01211	.16925	.88009
#1	49.525	.98325	19.521	.49664	.49902	5.2078	.50028	.98299	1.0072	.06529	.99385	.98798	4.8439
#2	49.685	.98457	19.496	.49703	.49433	5.1599	.50237	.97213	1.0048	-.00825	.99402	.98562	4.9046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.431**	**.99446**	**.49444**	**-.00317**	**.49323**	**1.0194**	**.02277**	**.49245**	**.49280**	**.49475**
Stddev	.092	.00558	.00089	.00093	.00018	.0034	.02895	.00042	.00014	.00416
%RSD	.88009	.56095	.17993	29.360	.03724	.33274	127.17	.08556	.02831	.84115
#1	10.366	.99052	.49381	-.00383	.49310	1.0170	.04324	.49215	.49290	.49181
#2	10.496	.99841	.49507	-.00251	.49336	1.0218	.00229	.49274	.49270	.49770
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.9**	**109970.**	**6844.9**
Stddev	19.0	139.	3.4
%RSD	.23046	.12623	.05009
#1	8212.5	109870.	6842.5
#2	8239.3	110070.	6847.4

Sample Name: CCB Acquired: 11/11/2013 16:51:35 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00451**	**-.00078**	**.00154**	**-.00010**	**.00009**	**.00081**	**.00661**	**.00009**	**.00027**	**-.00007**	**-.00063**
Stddev	.00020	.00004	.00127	.00079	.00000	.00003	.00006	.00475	.00015	.00017	.00002	.00044
%RSD	41.437	.78608	163.95	51.544	3.0213	30.960	7.2716	71.905	172.01	61.355	29.718	69.436
#1	.00063	-.00448	.00012	.00098	-.00010	.00007	.00086	.00997	.00020	.00039	-.00009	-.00093
#2	.00034	-.00453	-.00168	.00210	-.00009	.00011	.00077	.00325	-.00002	.00015	-.00006	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.02059**	**-.00182**	**.00390**	**.00013**	**.00021**	**.08392**	**.00024**	**-.00446**	**-.00012**	**-.00191**	F **.00880**
Stddev	.00052	.00365	.00171	.00038	.00006	.00030	.01073	.00012	.00065	.00051	.00108	.00060
%RSD	414.61	17.737	93.931	9.6236	45.677	141.38	12.780	50.479	14.504	413.77	56.680	6.8092
#1	.00050	.02318	-.00061	.00364	.00018	.00043	.07633	.00032	-.00492	-.00049	-.00267	.00922
#2	-.00024	.01801	-.00303	.00417	.00009	.00000	.09150	.00015	-.00400	.00024	-.00114	.00837
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**.00204**	**.00437**	**-.00027**	**.00017**	**.00013**	**-.00023**	**.00038**	**.03168**	**.00039**	**.00202**	W **.00350**
Stddev	.00179	.00496	.01062	.00032	.00010	.00077	.00014	.00026	.02870	.00022	.00059	.00089
%RSD	277.63	242.74	242.74	118.01	62.303	577.31	61.778	70.047	90.601	58.194	29.151	25.513
#1	-.00191	.00555	.01188	-.00004	.00024	.00068	-.00033	.00019	.01138	.00055	.00161	.00287
#2	.00062	-.00146	-.00313	-.00050	.00009	-.00041	-.00013	.00056	.05198	.00023	.00244	.00413
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8229.2**	**110050.**	**6665.6**
Stddev	10.9	71.	9.5
%RSD	.13214	.06442	.14242
#1	8221.5	110100.	6672.3
#2	8236.9	110000.	6658.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 16:53:51 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01054**	**.10472**	**.01524**	**.10011**	**.01041**	**.00101**	**.12392**	**.21547**	**.00521**	**.01093**	**.01061**	**.01526**	**.10327**	**3.0688**
Stddev	.00004	.00043	.00007	.00039	.00000	.00003	.00005	.00287	.00011	.00000	.00003	.00009	.00071	.1138
%RSD	.40827	.41369	.43108	.38809	.02493	2.6212	.04261	1.3317	2.2061	.00096	.27029	.60127	.68627	3.7066
#1	.01057	.10441	.01529	.10038	.01041	.00099	.12396	.21344	.00529	.01093	.01059	.01533	.10377	2.9884
#2	.01051	.10502	.01520	.09983	.01041	.00103	.12389	.21750	.00513	.01093	.01063	.01520	.10277	3.1492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00841**	**.21191**	**.01051**	**.02010**	**1.1242**	**.04310**	**2.9573**	**.01038**	**.00433**	**.00851**	**.01390**	**.50902**	**1.0893**	**.10490**
Stddev	.00232	.00052	.00004	.00001	.0213	.00013	.0055	.00067	.00254	.00208	.00178	.01168	.0250	.00009
%RSD	27.626	.24701	.34943	.06388	1.8913	.29782	.18639	6.4698	58.576	24.403	12.824	2.2937	2.2937	.08704
#1	.00677	.21228	.01053	.02009	1.1091	.04319	2.9534	.00990	.00612	.00998	.01516	.50077	1.0716	.10483
#2	.01005	.21154	.01048	.02011	1.1392	.04301	2.9612	.01085	.00254	.00704	.01264	.51728	1.1070	.10496
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01045**	**.01506**	**.00941**	**.01659**	**.07143**	**.01019**	**.02235**	**.01898**
Stddev	.00024	.00114	.00016	.00082	.00017	.00054	.00023	.00207
%RSD	2.3402	7.5752	1.7002	4.9519	.23949	5.2716	1.0422	10.896
#1	.01028	.01425	.00952	.01601	.07131	.00981	.02251	.01752
#2	.01062	.01587	.00929	.01717	.07155	.01057	.02218	.02044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8405.9**	**113060.**	**6854.0**
Stddev	19.4	223.	31.9
%RSD	.23083	.19756	.46566
#1	8392.2	113220.	6876.6
#2	8419.6	112910.	6831.4

Sample Name: 48147-1@20 Acquired: 11/11/2013 16:56:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02449**	**1.6612**	**.12804**	RW **24.071**	**.04103**	**-.00018**	**-.00194**	**16.926**	**.00159**	**.01544**
Stddev	.00049	.0039	.00152	.005	.00040	.00019	.00133	.116	.00020	.00001
%RSD	1.9875	.23299	1.1846	.02047	.98591	110.45	68.300	.68666	12.477	.06742
#1	.02483	1.6585	.12911	24.074	.04132	-.00004	-.00100	16.844	.00145	.01543
#2	.02414	1.6639	.12697	24.067	.04075	-.00031	-.00288	17.008	.00173	.01545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19902**	**.00291**	**31.036**	F **501.60**	**1.1923**	**366.42**	**1.1815**	**.09458**	RW **5959.0**	**.48014**
Stddev	.00049	.00038	.303	4.86	.0095	4.32	.0003	.00098	29.2	.00183
%RSD	.24393	13.075	.97778	.96847	.79953	1.1791	.02321	1.0349	.49002	.38176
#1	.19936	.00318	30.821	498.17	1.1855	369.47	1.1813	.09527	5938.3	.48143
#2	.19868	.00264	31.251	505.04	1.1990	363.36	1.1817	.09388	5979.6	.47884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **15.861**	**.00233**	F **2439.3**	**.02110**	**.02927**	**1.8353**	**3.9276**	**.01130**	**.24790**	**-.00192**
Stddev	.006	.00116	3.8	.00003	.00435	.0116	.0249	.00034	.00076	.00300
%RSD	.03854	49.793	.15728	.11936	14.872	.63270	.63270	3.0276	.30807	156.13
#1	15.865	.00315	2436.6	.02112	.03235	1.8271	3.9100	.01154	.24736	-.00404
#2	15.856	.00151	2442.0	.02108	.02619	1.8435	3.9451	.01106	.24844	.00020
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02455**	**-.00174**	**.10047**	**.30435**	**.22505**	**.00804**
Stddev	.00001	.00147	.01719	.00002	.00196	.00038
%RSD	.05551	84.655	17.112	.00628	.87093	4.6935
#1	.02454	-.00278	.11263	.30436	.22643	.00831
#2	.02456	-.00070	.08832	.30433	.22366	.00778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6380.3**	**82263.**	**6414.9**
Stddev	6.2	301.	60.4
%RSD	.09744	.36644	.94106
#1	6375.9	82050.	6457.6
#2	6384.7	82476.	6372.2

Sample Name: 48147-2@20 Acquired: 11/11/2013 16:59:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.00156**	k **.74129**	k **.18883**	W **32.137**	k **.03307**	k **.00006**	k **.00984**	**10.235**	k **.00212**	k **.02125**
Stddev	.00020	.00088	.00243	.034	.00008	.00003	.00095	.049	.00012	.00015
%RSD	12.509	.11921	1.2847	.10662	.24372	47.745	9.6763	.47633	5.7924	.69384
#1	k .00170	k .74191	k .19054	k 32.161	k .03301	k .00004	k .01051	10.200	k .00203	k .02135
#2	k .00143	k .74066	k .18711	k 32.113	k .03313	k .00008	k .00916	10.269	k .00220	k .02115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.17751**	k **.00343**	k **41.776**	F **560.75**	k **1.4080**	kW **545.69**	k **1.8439**	k **.10136**	RW **5833.0**	k **.88022**
Stddev	.00044	.00011	.029	4.51	.0112	.96	.0057	.00087	34.3	.00105
%RSD	.25006	3.3228	.07016	.80450	.79770	.17610	.30683	.86114	.58884	.11874
#1	k .17782	k .00351	k 41.755	557.56	k 1.4001	k 546.37	k 1.8479	k .10198	5808.7	k .88096
#2	k .17720	k .00335	k 41.797	563.94	k 1.4160	k 545.01	k 1.8399	k .10075	5857.3	k .87948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00		500.00			500.00	
Low Limit				-2.0000		-.10000			11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	kW **16.455**	k **.00110**	kF **2812.6**	k **.03280**	k **.03655**	k **2.0344**	k **4.3536**	k **.01168**	**.13934**	k **.02883**
Stddev	.034	.00011	6.0	.00128	.00457	.0095	.0203	.00022	.00093	.00063
%RSD	.20902	9.6726	.21418	3.8896	12.510	.46639	.46639	1.8490	.66553	2.1796
#1	k 16.480	k .00117	k 2816.9	k .03190	k .03978	k 2.0277	k 4.3393	k .01152	.13869	k .02927
#2	k 16.431	k .00102	k 2808.3	k .03370	k .03332	k 2.0411	k 4.3680	k .01183	.14000	k .02838
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k **.01368**	kW **-.01439**	k **.04204**	k **.65631**	k **.34486**	k **.00644**
Stddev	.00039	.00132	.03058	.00183	.00101	.00090
%RSD	2.8571	9.1777	72.749	.27916	.29235	14.056
#1	k .01341	k -.01533	k .02041	k .65760	k .34557	k .00708
#2	k .01396	k -.01346	k .06366	k .65501	k .34415	k .00580
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000				
Low Limit		-.01000				

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6202.0**	**79449.**	**6243.5**
Stddev	7.2	49.	43.7
%RSD	.11598	.06153	.69968
#1	6197.0	79415.	6274.4
#2	6207.1	79484.	6212.7

Sample Name: 280-48773-c-4-a@10 Acquired: 11/11/2013 17:02:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00474**	**.00274**	**.16710**	**.00173**	**-.00001**	**.00097**	**5.5818**	**-.00009**	**.00018**
Stddev	.00011	.00004	.00344	.00771	.00008	.00003	.00247	.0473	.00011	.00018
%RSD	187.45	.74573	125.45	4.6144	4.5747	253.22	253.44	.84816	122.19	98.234
#1	-.00002	.00476	.00031	.17256	.00179	-.00003	.00272	5.5483	-.00001	.00031
#2	.00013	.00471	.00518	.16165	.00168	.00001	-.00077	5.6153	-.00016	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00054**	**.01936**	**1.1811**	**.00529**	**1.1816**	**.01397**	**.00285**	**93.033**	**.00660**
Stddev	.00010	.00008	.00152	.0335	.00075	.0129	.00004	.00038	.441	.00098
%RSD	120.74	13.976	7.8431	2.8331	14.097	1.0922	.27668	13.314	.47455	14.870
#1	.00016	.00059	.02043	1.2048	.00476	1.1725	.01394	.00258	92.721	.00591
#2	.00001	.00049	.01829	1.1575	.00582	1.1907	.01400	.00312	93.346	.00730
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00015**	**40.416**	**.00039**	**-.00060**	**.48279**	**1.0332**	**.00269**	**.13395**	**.00100**
Stddev	.00007	.00096	1.390	.00134	.00070	.00897	.0192	.00045	.00145	.00059
%RSD	12.672	633.43	3.4400	347.42	116.64	1.8580	1.8580	16.714	1.0859	59.531
#1	.00063	-.00053	41.399	.00134	-.00010	.47644	1.0196	.00237	.13292	.00142
#2	.00053	.00083	39.433	-.00056	-.00109	.48913	1.0467	.00301	.13498	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00063**	**-.00904**	**.00067**	**.00619**	**.00208**
Stddev	.00033	.00002	.01521	.00013	.00029	.00241
%RSD	56.040	3.6690	168.28	19.862	4.6764	116.08
#1	-.00082	.00061	.00172	.00058	.00599	.00378
#2	-.00035	.00065	-.01979	.00076	.00640	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7959.2**	**103630.**	**6564.9**
Stddev	113.6	350.	42.9
%RSD	1.4266	.33808	.65284
#1	7878.9	103380.	6595.3
#2	8039.5	103870.	6534.6

Sample Name: 280-48773-c-5-a@10 Acquired: 11/11/2013 17:04:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**.00492**	**.00270**	**.20515**	**.00144**	**.00000**	**.00135**	**8.5958**	**.00006**	**.00022**
Stddev	.00027	.00028	.00018	.00228	.00054	.00005	.00081	.0330	.00024	.00022
%RSD	64.724	5.6955	6.7313	1.1091	37.128	2525.2	60.321	.38388	440.38	101.83
#1	.00023	.00472	.00257	.20675	.00106	.00004	.00077	8.5724	.00023	.00038
#2	.00061	.00512	.00283	.20354	.00182	-.00004	.00192	8.6191	-.00012	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00041**	**.01297**	**.66485**	**.00900**	**1.6995**	**.01583**	**.00138**	**124.13**	**.00132**
Stddev	.00001	.00009	.00007	.00118	.00315	.1103	.00037	.00022	.72	.00021
%RSD	6.5161	20.688	.57599	.17737	35.037	6.4910	2.3320	15.941	.57856	15.979
#1	.00021	.00047	.01303	.66569	.00677	1.6215	.01557	.00123	123.62	.00117
#2	.00019	.00035	.01292	.66402	.01123	1.7775	.01609	.00154	124.64	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.00043**	**49.733**	**-.00046**	**.00512**	**.60714**	**1.2993**	**.00216**	**.23652**	**-.00221**
Stddev	.00061	.00077	.210	.00099	.00267	.00182	.0039	.00062	.00096	.00169
%RSD	15.440	178.15	.42155	215.31	52.212	.30002	.30002	28.487	.40455	76.367
#1	.00437	-.00097	49.881	-.00116	.00701	.60585	1.2965	.00259	.23585	-.00102
#2	.00351	.00011	49.584	.00024	.00323	.60843	1.3020	.00172	.23720	-.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00042**	**.01927**	**.00055**	**.00537**	**.00178**
Stddev	.00003	.00057	.04999	.00002	.00013	.00193
%RSD	9.0052	136.38	259.43	3.9509	2.3837	108.79
#1	-.00033	.00001	-.01608	.00057	.00546	.00314
#2	-.00037	.00082	.05462	.00054	.00527	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7993.1**	**105940.**	**6652.3**
Stddev	45.1	264.	89.5
%RSD	.56437	.24947	1.3461
#1	8025.0	105750.	6715.6
#2	7961.2	106120.	6589.0

Sample Name: 280-48773-c-6-a@10 Acquired: 11/11/2013 17:07:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00819**	**.00068**	**.21313**	**.00116**	**-.00009**	**.00075**	**3.0396**	**-.00008**	**.00006**
Stddev	.00016	.00011	.00060	.00034	.00009	.00011	.00112	.0129	.00002	.00019
%RSD	1110.0	1.3526	88.089	.15895	7.6732	122.88	149.09	.42409	22.939	315.63
#1	.00013	.00827	.00111	.21337	.00122	-.00016	-.00004	3.0305	-.00009	-.00007
#2	-.00010	.00812	.00026	.21289	.00110	-.00001	.00155	3.0487	-.00007	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00026**	**.01558**	**.53802**	**.02911**	**.55259**	**.00028**	**.00088**	**91.843**	**.00041**
Stddev	.00007	.00003	.00400	.00308	.00118	.00278	.00001	.00012	.299	.00041
%RSD	51.879	10.161	25.673	.57336	4.0655	.50385	2.0876	13.869	.32548	100.15
#1	.00018	.00024	.01841	.54020	.02995	.55063	.00027	.00079	91.632	.00012
#2	.00008	.00028	.01276	.53584	.02827	.55456	.00028	.00096	92.055	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00168**	**.00014**	**42.430**	**-.00172**	**.00789**	**.40839**	**.87395**	**.00257**	**.21028**	**-.00065**
Stddev	.00149	.00061	.054	.00131	.00104	.01027	.02198	.00077	.00038	.00016
%RSD	88.723	437.55	.12811	76.243	13.140	2.5149	2.5149	29.891	.18220	24.855
#1	.00063	-.00029	42.392	-.00079	.00863	.40112	.85841	.00203	.21001	-.00077
#2	.00273	.00057	42.469	-.00265	.00716	.41565	.88949	.00312	.21055	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.00086**	**.01940**	**.00224**	**.00528**	**-.00113**
Stddev	.00002	.00047	.03177	.00039	.00044	.00392
%RSD	2.9211	53.911	163.72	17.455	8.4279	348.04
#1	-.00075	.00053	-.00306	.00251	.00496	.00165
#2	-.00078	.00119	.04187	.00196	.00559	-.00390
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.5**	**105790.**	**6595.5**
Stddev	10.8	485.	49.4
%RSD	.13532	.45857	.74946
#1	8005.8	105450.	6630.5
#2	8021.2	106140.	6560.6

Sample Name: 280-48773-c-7-a@10 Acquired: 11/11/2013 17:09:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00740**	**.00281**	**.16725**	**.00122**	**-.00009**	**-.00169**	**2.2149**	**.00001**	**.00012**
Stddev	.00017	.00011	.00156	.00060	.00026	.00010	.00311	.0033	.00019	.00023
%RSD	35.530	1.5466	55.457	.36012	21.567	116.99	184.16	.14823	2657.3	185.96
#1	-.00059	.00748	.00171	.16767	.00103	-.00016	-.00389	2.2172	.00014	-.00004
#2	-.00035	.00732	.00391	.16682	.00140	-.00002	.00051	2.2126	-.00012	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00016**	**.01773**	**.47352**	**.04459**	**.26094**	**.00022**	**.00030**	**103.59**	**.00063**
Stddev	.00014	.00011	.00072	.01350	.00061	.00017	.00002	.00005	.49	.00036
%RSD	277.01	69.093	4.0531	2.8514	1.3692	.06644	10.900	16.721	.47391	57.785
#1	.00015	.00008	.01722	.48307	.04416	.26082	.00023	.00034	103.94	.00089
#2	-.00005	.00024	.01824	.46398	.04502	.26106	.00020	.00027	103.24	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00013**	**38.996**	**-.00092**	**.00604**	**.43989**	**.94135**	**.00281**	**.16763**	**-.00044**
Stddev	.00109	.00027	.106	.00036	.00289	.01927	.04124	.00077	.00115	.00199
%RSD	604.33	208.05	.27176	38.980	47.770	4.3809	4.3809	27.463	.68408	452.21
#1	-.00059	-.00006	38.921	-.00067	.00808	.42626	.91219	.00336	.16845	-.00185
#2	.00095	.00033	39.071	-.00118	.00400	.45351	.97052	.00226	.16682	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00090**	**-.01588**	**.00435**	**.00573**	**.00264**
Stddev	.00048	.00013	.04863	.00003	.00025	.00202
%RSD	95.928	14.619	306.27	.64269	4.4035	76.393
#1	-.00084	.00081	.01851	.00433	.00555	.00407
#2	-.00016	.00100	-.05027	.00437	.00591	.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.7**	**105510.**	**6558.9**
Stddev	1.8	472.	24.6
%RSD	.02243	.44782	.37468
#1	7972.5	105840.	6541.5
#2	7975.0	105180.	6576.3

Sample Name: 280-48773-c-8-a@10 Acquired: 11/11/2013 17:11:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00568**	**.00344**	**.15059**	**.00146**	**-.00007**	**.00070**	**5.0848**	**.00007**	**-.00007**
Stddev	.00031	.00023	.00233	.00025	.00000	.00011	.00347	.0171	.00018	.00004
%RSD	162.84	3.9765	67.928	.16526	.22443	156.65	493.89	.33582	253.90	47.835
#1	.00003	.00552	.00509	.15041	.00146	-.00014	-.00175	5.0727	-.00006	-.00005
#2	-.00041	.00584	.00179	.15076	.00146	.00001	.00315	5.0969	.00020	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00007**	**.01737**	**.34800**	**.01318**	**1.1114**	**.00077**	**.00015**	**96.626**	**.00022**
Stddev	.00006	.00036	.00183	.02996	.00015	.0005	.00004	.00004	.074	.00017
%RSD	454.49	550.61	10.548	8.6106	1.1443	.04534	4.7826	24.828	.07612	76.263
#1	-.00003	.00032	.01607	.32681	.01328	1.1110	.00074	.00018	96.678	.00010
#2	.00005	-.00019	.01866	.36919	.01307	1.1117	.00079	.00013	96.574	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00230**	**-.00009**	**35.709**	**.00041**	**.00691**	**.43576**	**.93252**	**.00221**	**.17464**	**.00072**
Stddev	.00076	.00117	.158	.00022	.00072	.02083	.04458	.00037	.00022	.00021
%RSD	33.218	1355.1	.44137	53.520	10.473	4.7807	4.7807	16.817	.12671	29.148
#1	.00176	.00074	35.598	.00056	.00742	.42103	.90099	.00195	.17480	.00057
#2	.00283	-.00091	35.820	.00025	.00640	.45049	.96404	.00248	.17449	.00087
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00129**	**.00140**	**.00064**	**.00632**	**.00106**
Stddev	.00024	.00027	.05746	.00004	.00047	.00066
%RSD	35.042	21.269	4114.4	6.8645	7.4696	61.979
#1	-.00052	.00109	.04202	.00067	.00665	.00152
#2	-.00087	.00148	-.03923	.00061	.00598	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7922.0**	**105090.**	**6504.9**
Stddev	5.6	524.	40.7
%RSD	.07069	.49837	.62608
#1	7926.0	104720.	6476.1
#2	7918.1	105460.	6533.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 17:13:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00669**	**51.251**	**.00128**	**.01579**	**-.00008**	**-.00004**	**1.0366**	**.01823**	**-.00027**	**-.00025**	**-.00003**	**.01077**	**50.830**
Stddev	.00001	.092	.00071	.00014	.00036	.00010	.0021	.00077	.00011	.00028	.00002	.00006	.027
%RSD	.22416	.17881	55.401	.89259	439.56	276.68	.20011	4.2425	40.587	110.92	73.041	.55464	.05220
#1	.00670	51.316	.00178	.01589	.00017	.00003	1.0351	.01768	-.00019	-.00005	-.00001	.01072	50.849
#2	.00668	51.187	.00078	.01569	-.00033	-.00010	1.0381	.01878	-.00034	-.00045	-.00005	.01081	50.811
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30542**	**.00077**	**.08171**	**.00064**	**.00007**	**255.22**	**.00002**	**-.00068**	**.00126**	F **7.6061**	**-.00111**	**-.00242**	**.00533**
Stddev	.01643	.00035	.00119	.00006	.00040	.16	.00006	.00027	.00186	.0663	.00279	.00016	.02242
%RSD	5.3807	45.588	1.4568	9.2996	615.49	.06183	269.48	39.968	147.17	.87178	250.62	6.5470	420.40
#1	.29380	.00102	.08086	.00059	-.00022	255.11	-.00002	-.00049	-.00005	7.5593	-.00308	-.00254	.02119
#2	.31704	.00052	.08255	.00068	.00035	255.33	.00006	-.00088	.00257	7.6530	.00086	-.00231	-.01052
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**-.00040**	**.00034**	**5.0224**	**-.01214**	**.00169**	F **6.2212**	**.00138**	**.00042**	**.05348**
Stddev	.04798	.00063	.00004	.0013	.00026	.00075	.0227	.00001	.00035	.00085
%RSD	420.40	158.18	12.571	.02628	2.1445	44.567	.36536	.73909	83.056	1.5883
#1	.04534	-.00084	.00037	5.0234	-.01233	.00222	6.2373	.00137	.00017	.05408
#2	-.02251	.00005	.00031	5.0215	-.01196	.00116	6.2051	.00139	.00067	.05288
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7881.9**	**103260.**	**6529.7**
Stddev	21.6	279.	37.4
%RSD	.27423	.27011	.57316
#1	7897.2	103060.	6556.2
#2	7866.7	103450.	6503.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 17:16:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49789**	**.52379**	**.99373**	**.50865**	**.50310**	**.49473**	**.00008**	**5.0626**	**.50005**	**.50806**	**.50505**	**.50189**	**2.5014**
Stddev	.00025	.00832	.00222	.00063	.00012	.00031	.00165	.0044	.00046	.00038	.00003	.00032	.0008
%RSD	.05015	1.5892	.22353	.12460	.02476	.06281	1973.6	.08748	.09275	.07519	.00676	.06394	.03184
#1	.49771	.52968	.99530	.50820	.50319	.49451	.00125	5.0594	.50037	.50779	.50507	.50166	2.5020
#2	.49806	.51790	.99216	.50910	.50301	.49494	-.00108	5.0657	.49972	.50833	.50502	.50211	2.5009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.390**	**.99890**	**19.930**	**.50336**	**.50871**	F **5.5579**	**.50833**	**.99553**	**1.0312**	**2.3249**	**1.0001**	**.99265**	**4.9436**
Stddev	.006	.00185	.045	.00068	.00005	.0259	.00092	.00255	.0009	.0104	.0031	.00324	.0194
%RSD	.01123	.18557	.22403	.13454	.00955	.46602	.18096	.25648	.08442	.44714	.30819	.32630	.39311
#1	50.386	1.0002	19.962	.50384	.50874	5.5762	.50898	.99373	1.0305	2.3175	1.0023	.99036	4.9574
#2	50.394	.99759	19.899	.50288	.50867	5.5395	.50768	.99734	1.0318	2.3322	.99791	.99494	4.9299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.579**	**1.0144**	**.49974**	**-.00219**	**.50030**	**1.0289**	**-.00596**	**.49980**	**.50401**	**.50092**
Stddev	.042	.0046	.00078	.00103	.00033	.0013	.00758	.00044	.00114	.00474
%RSD	.39311	.45009	.15664	47.264	.06634	.12943	127.16	.08789	.22594	.94621
#1	10.609	1.0176	.50029	-.00292	.50053	1.0298	-.01132	.50011	.50482	.49757
#2	10.550	1.0111	.49918	-.00146	.50006	1.0280	-.00060	.49949	.50321	.50427
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8030.4**	**106210.**	**6538.2**
Stddev	31.5	565.	8.5
%RSD	.39251	.53194	.13004
#1	8008.1	105810.	6544.2
#2	8052.7	106610.	6532.2

Sample Name: X Acquired: 11/11/2013 17:18:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**-.00280**	**.00127**	F **.01089**	**.00003**	**-.00001**	**.00029**	**.00571**	**.00005**	**.00029**	**.00015**	**-.00049**
Stddev	.00011	.00173	.00376	.00028	.00013	.00015	.00298	.00277	.00013	.00001	.00013	.00015
%RSD	12.899	61.865	296.56	2.5838	458.01	2060.0	1017.1	48.463	270.37	3.0719	86.815	29.450
#1	.00075	-.00158	.00393	.01109	-.00006	-.00011	-.00181	.00767	-.00004	.00030	.00024	-.00060
#2	.00091	-.00403	-.00139	.01069	.00012	.00010	.00240	.00375	.00014	.00029	.00006	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.16545**	**-.00088**	**.00406**	**.00012**	**.00036**	F **.34461**	**.00041**	**-.00393**	**.00034**	F **2.3145**	F **.00637**
Stddev	.00179	.03314	.00278	.00099	.00007	.00041	.00513	.00052	.00044	.00055	.0125	.00137
%RSD	418.66	20.031	315.53	24.395	62.821	114.25	1.4874	127.26	11.225	160.86	.53834	21.560
#1	-.00169	.14201	.00109	.00476	.00006	.00007	.34823	.00077	-.00362	-.00005	2.3057	.00540
#2	.00084	.18888	-.00285	.00336	.00017	.00065	.34099	.00004	-.00424	.00073	2.3233	.00734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.18320				.20000	.00628
Low Limit							-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00203**	**-.00123**	**-.00263**	**.00014**	**.00021**	**.00270**	**-.00051**	**-.00008**	**-.02614**	**.00072**	**.00276**	W **.00268**
Stddev	.00013	.01718	.03677	.00050	.00003	.00097	.00011	.00013	.01366	.00077	.00042	.00061
%RSD	6.3313	1396.5	1396.5	354.76	14.445	35.997	20.634	158.31	52.241	107.41	15.329	22.773
#1	.00212	-.01338	-.02864	.00049	.00023	.00339	-.00044	-.00018	-.01649	.00017	.00246	.00312
#2	.00194	.01092	.02337	-.00021	.00019	.00201	-.00059	.00001	-.03580	.00127	.00306	.00225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8069.7**	**108710.**	**6496.3**
Stddev	5.9	246.	37.1
%RSD	.07278	.22599	.57089
#1	8065.5	108880.	6470.1
#2	8073.8	108530.	6522.5

Sample Name: CCVL-2372865 Acquired: 11/11/2013 17:20:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.10689**	**.01502**	**.11054**	**.01075**	**.00111**	**.12428**	**.21854**	**.00544**	**.01127**	**.01080**	**.01556**	**.10372**
Stddev	.00021	.00026	.00010	.00014	.00033	.00004	.00240	.00470	.00017	.00002	.00006	.00016	.00071
%RSD	1.9172	.24121	.63681	.12996	3.0508	3.7830	1.9313	2.1491	3.0378	.16599	.52388	1.0570	.68029
#1	.01057	.10707	.01508	.11044	.01098	.00108	.12258	.21521	.00532	.01126	.01084	.01545	.10322
#2	.01086	.10671	.01495	.11064	.01051	.00114	.12598	.22186	.00556	.01128	.01076	.01568	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2727**	F **.00608**	**.21507**	**.01063**	**.02064**	F **1.3936**	**.04378**	**2.9952**	**.00978**	**2.0674**	**.00993**	**.01584**	**.51483**
Stddev	.0347	.00218	.00096	.00004	.00024	.0190	.00001	.0040	.00066	.0163	.00110	.00175	.01596
%RSD	1.0603	35.923	.44821	.38115	1.1699	1.3612	.02821	.13180	6.7798	.78960	11.096	11.027	3.1010
#1	3.2482	.00453	.21575	.01066	.02047	1.4070	.04377	2.9924	.01025	2.0558	.01070	.01708	.52612
#2	3.2973	.00762	.21439	.01060	.02081	1.3802	.04379	2.9980	.00931	2.0789	.00915	.01461	.50354
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000				1.0000							
Range		-30.000%				30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1017**	**.10645**	**.01060**	**.01552**	**.00953**	**.01762**	**.07163**	**.01072**	**.02325**	**.01783**
Stddev	.0342	.00072	.00003	.00112	.00028	.00006	.02977	.00010	.00012	.00110
%RSD	3.1010	.68045	.24690	7.2375	2.9331	.34704	41.565	.94119	.51767	6.1900
#1	1.1259	.10697	.01059	.01473	.00933	.01758	.05058	.01065	.02317	.01861
#2	1.0776	.10594	.01062	.01632	.00973	.01767	.09268	.01079	.02334	.01704
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8227.8**	**110520.**	**6557.6**
Stddev	10.4	290.	1.8
%RSD	.12647	.26226	.02805
#1	8235.2	110310.	6558.9
#2	8220.5	110720.	6556.3

Sample Name: CCB Acquired: 11/11/2013 17:24:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00449**	**.00171**	F **.00806**	**.00004**	**.00003**	**.00307**	**-.00293**	**-.00007**	**.00019**	**-.00006**
Stddev	.00022	.00016	.00173	.00085	.00012	.00002	.00219	.00307	.00017	.00013	.00006
%RSD	310.65	3.5511	101.05	10.571	287.76	83.276	71.399	104.84	260.55	69.309	112.33
#1	.00008	-.00461	.00049	.00866	-.00004	.00001	.00152	-.00076	.00005	.00010	-.00010
#2	-.00022	-.00438	.00294	.00746	.00012	.00004	.00462	-.00510	-.00019	.00029	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700							
Low Limit				-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00377**	**.04205**	**-.00115**	**.00086**	**-.00003**	**-.00003**	F **.25151**	**.00049**	**-.00292**	**.00063**
Stddev	.00045	.00232	.02133	.00254	.00043	.00004	.00011	.00877	.00010	.00198	.00040
%RSD	167.66	61.480	50.731	221.11	49.638	121.73	309.03	3.4870	19.800	67.868	64.036
#1	.00005	-.00213	.02697	-.00294	.00056	-.00006	-.00011	.25772	.00042	-.00432	.00035
#2	-.00059	-.00541	.05714	.00065	.00116	.00000	.00004	.24531	.00056	-.00152	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.8385**	**-.00033**	**.00071**	**.03129**	**.06697**	**-.00030**	**.00006**	**.00064**	W **-.00063**	**.00042**	**-.03721**
Stddev	.0086	.00144	.00147	.00075	.00161	.00055	.00004	.00000	.00007	.00080	.00590
%RSD	.46611	436.40	206.19	2.4018	2.4018	184.87	63.878	.10973	10.912	190.38	15.870
#1	1.8445	.00069	.00175	.03182	.06810	.00009	.00003	.00064	-.00068	.00099	-.04138
#2	1.8324	-.00135	-.00033	.03076	.06583	-.00069	.00008	.00064	-.00059	-.00015	-.03303
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.20000								.00060		
Low Limit	-.20000								-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00031**	**-.00018**	**-.00034**
Stddev	.00026	.00015	.00245
%RSD	83.411	87.633	718.99
#1	.00013	-.00028	.00139
#2	.00049	-.00007	-.00207
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8114.9**	**109500.**	**6537.9**
Stddev	15.6	421.	1.6
%RSD	.19221	.38470	.02437
#1	8125.9	109210.	6536.8
#2	8103.9	109800.	6539.0

Sample Name: mb 280-199584/1-a Acquired: 11/11/2013 17:32:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00056**	**.00229**	**.00822**	**.00005**	**.00003**	**.00118**	**.04984**	**.00005**	**.00019**
Stddev	.00037	.00006	.00013	.00036	.00034	.00001	.00010	.00377	.00000	.00010
%RSD	77.052	10.492	5.7314	4.4320	630.42	15.433	8.4532	7.5570	8.2181	54.930
#1	.00022	.00061	.00239	.00797	.00030	.00003	.00111	.04717	.00006	.00012
#2	.00075	.00052	.00220	.00848	-.00019	.00004	.00126	.05250	.00005	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00003**	**.00993**	**.09223**	**-.00043**	**.00667**	**.00024**	**.00024**	F **1.2188**	**.00048**
Stddev	.00012	.00003	.00314	.00960	.00004	.00062	.00000	.00003	.0102	.00000
%RSD	126.03	78.768	31.635	10.404	8.2000	9.3328	1.6643	13.603	.83494	.10089
#1	.00001	-.00005	.01215	.08545	-.00040	.00711	.00024	.00021	1.2260	.00048
#2	.00017	-.00002	.00771	.09902	-.00045	.00623	.00024	.00026	1.2116	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00567**	**.00099**	F **2.2500**	**-.00097**	**.00123**	**.04375**	**.09362**	**.00050**	**.00246**	**-.00057**
Stddev	.00052	.00062	.0155	.00004	.00128	.01142	.02443	.00070	.00009	.00189
%RSD	9.0957	62.295	.68648	4.5439	103.79	26.094	26.094	140.64	3.5699	332.98
#1	.00530	.00055	2.2390	-.00100	.00214	.05182	.11090	.00099	.00240	-.00190
#2	.00603	.00143	2.2609	-.00094	.00033	.03568	.07635	.00000	.00252	.00077
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**-.00080**	**-.00145**	**-.00017**	**.00212**	**.00282**
Stddev	.00019	.00049	.05794	.00000	.00009	.00011
%RSD	105.29	61.015	4009.1	.29369	4.0617	3.8778
#1	-.00005	-.00046	-.04241	-.00017	.00206	.00289
#2	-.00031	-.00115	.03952	-.00017	.00218	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8154.5**	**110600.**	**6563.9**
Stddev	2.8	324.	15.9
%RSD	.03476	.29256	.24205
#1	8152.5	110370.	6552.7
#2	8156.5	110830.	6575.1

Sample Name: lcs 280-199584/2-a Acquired: 11/11/2013 17:34:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04895**	**1.9717**	**.98196**	**.99001**	**2.0307**	**.05025**	**2.1873**	**49.659**	**.10360**	**.49155**
Stddev	.00060	.0012	.00003	.00160	.0184	.00069	.0024	.545	.00035	.00010
%RSD	1.2185	.06161	.00343	.16133	.90370	1.3803	.10895	1.0971	.34067	.02004
#1	.04938	1.9708	.98199	.99114	2.0177	.04976	2.1890	49.273	.10385	.49162
#2	.04853	1.9725	.98194	.98888	2.0436	.05074	2.1856	50.044	.10335	.49148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20321**	**.25184**	**1.0177**	**51.203**	**1.0156**	**49.620**	**.49452**	**1.0188**	**52.368**	**.49583**
Stddev	.00019	.00035	.0199	.560	.0067	.006	.00080	.0001	.041	.00017
%RSD	.09209	.13892	1.9529	1.0946	.65956	.01245	.16211	.01107	.07900	.03517
#1	.20334	.25209	1.0037	50.806	1.0109	49.615	.49396	1.0189	52.398	.49595
#2	.20308	.25159	1.0318	51.599	1.0203	49.624	.49509	1.0188	52.339	.49570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.006**	**.49057**	**1.7965**	**.47539**	**1.9273**	**10.167**	**21.758**	**2.0017**	**1.0109**	**1.0003**
Stddev	.003	.00022	.0148	.00144	.0052	.074	.158	.0000	.0093	.0015
%RSD	.03007	.04448	.82139	.30363	.26970	.72678	.72678	.00137	.92214	.15479
#1	10.008	.49042	1.7860	.47437	1.9310	10.115	21.646	2.0017	1.0044	1.0014
#2	10.004	.49072	1.8069	.47641	1.9237	10.220	21.870	2.0017	1.0175	.99917
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99702**	**1.9181**	**2.1475**	**.50354**	**.49579**	**.51647**
Stddev	.00038	.0069	.0347	.00088	.00022	.00492
%RSD	.03797	.36030	1.6163	.17474	.04378	.95188
#1	.99729	1.9230	2.1720	.50417	.49594	.51299
#2	.99675	1.9132	2.1229	.50292	.49563	.51995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7798.1**	**103940.**	**6461.8**
Stddev	14.1	102.	52.8
%RSD	.18137	.09809	.81775
#1	7808.1	104020.	6499.1
#2	7788.1	103870.	6424.4

Sample Name: 280-48773-c-1-e Acquired: 11/11/2013 17:36:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**1.3708**	**.00327**	**1.1408**	**.04003**	**.00004**	**.00177**	**19.107**	**.00006**	**.00071**
Stddev	.00009	.0030	.00221	.0034	.00047	.00003	.00175	.072	.00002	.00009
%RSD	41.931	.21668	67.495	.29864	1.1662	82.522	98.391	.37537	24.839	12.064
#1	-.00016	1.3729	.00483	1.1432	.03970	.00006	.00054	19.158	.00007	.00077
#2	-.00029	1.3687	.00171	1.1383	.04036	.00002	.00301	19.056	.00005	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00565**	**.69929**	**1.1045**	**.03098**	**7.3043**	**.12261**	**.02902**	W **873.99**	**.00295**
Stddev	.00004	.00051	.00332	.0610	.00034	.0307	.00018	.00018	3.49	.00036
%RSD	4.3143	9.0030	.47507	5.5210	1.0955	.42076	.15032	.63540	.39895	12.171
#1	.00107	.00601	.70164	1.0613	.03074	7.3261	.12274	.02915	876.46	.00320
#2	.00101	.00529	.69694	1.1476	.03122	7.2826	.12248	.02889	871.53	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09355**	**-.00071**	F **230.73**	**-.00069**	**.00042**	**6.9794**	**14.936**	**-.00016**	**.59188**	**-.00381**
Stddev	.00202	.00063	.34	.00258	.00120	.0485	.104	.00003	.00297	.00162
%RSD	2.1590	88.276	.14630	376.23	287.45	.69501	.69501	21.354	.50161	42.520
#1	.09212	-.00027	230.49	.00114	-.00043	7.0137	15.009	-.00013	.59398	-.00266
#2	.09498	-.00116	230.97	-.00251	.00127	6.9451	14.862	-.00018	.58978	-.00496
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00904**	**.00257**	**.05462**	**.00620**	**.00626**	**.00149**
Stddev	.00041	.00046	.01800	.00039	.00023	.00109
%RSD	4.5434	17.820	32.948	6.2262	3.7190	73.255
#1	.00875	.00225	.04189	.00593	.00643	.00072
#2	.00933	.00290	.06734	.00647	.00610	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7440.0**	**96320.**	**6346.3**
Stddev	21.3	259.	25.2
%RSD	.28689	.26891	.39692
#1	7424.9	96137.	6328.5
#2	7455.0	96503.	6364.1

Sample Name: 280-48773-c-1-eSD@5 Acquired: 11/11/2013 17:38:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.30925**	**.00489**	**.23723**	**.00818**	**.00006**	**-.00200**	**3.8845**	**.00009**	**.00033**
Stddev	.00053	.00093	.00077	.00050	.00033	.00006	.00085	.0086	.00015	.00007
%RSD	4160.9	.30173	15.769	.21251	3.9901	97.410	42.695	.22161	164.81	19.836
#1	.00036	.30991	.00434	.23759	.00841	.00002	-.00140	3.8784	.00020	.00029
#2	-.00039	.30860	.00543	.23687	.00795	.00010	-.00260	3.8906	-.00001	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00124**	**.15740**	**.29576**	**.00369**	**1.5369**	**.02468**	**.00564**	**172.64**	**.00110**
Stddev	.00006	.00001	.00226	.01540	.00110	.0807	.00037	.00016	.50	.00006
%RSD	26.955	.49482	1.4333	5.2066	29.822	5.2497	1.4923	2.8031	.28755	5.7861
#1	.00017	.00124	.15580	.30665	.00446	1.5940	.02494	.00553	172.28	.00115
#2	.00026	.00123	.15899	.28487	.00291	1.4799	.02442	.00575	172.99	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01531**	**.00138**	**45.940**	**-.00188**	**.00021**	**1.4286**	**3.0573**	**.00234**	**.11724**	**-.00062**
Stddev	.00116	.00083	.051	.00195	.00215	.0042	.0089	.00046	.00057	.00196
%RSD	7.5594	60.255	.11011	103.64	1004.6	.29236	.29236	19.760	.48258	314.18
#1	.01612	.00197	45.975	-.00326	-.00131	1.4316	3.0636	.00202	.11684	.00076
#2	.01449	.00079	45.904	-.00050	.00174	1.4257	3.0510	.00267	.11764	-.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00324**	**.00101**	**.01635**	**.00168**	**.00673**	**.00189**
Stddev	.00027	.00074	.04609	.00094	.00020	.00145
%RSD	8.2244	73.441	281.89	55.886	2.9088	76.488
#1	.00305	.00048	.04894	.00234	.00686	.00087
#2	.00343	.00153	-.01624	.00102	.00659	.00291
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7815.1**	**102640.**	**6410.4**
Stddev	20.6	420.	34.3
%RSD	.26368	.40892	.53558
#1	7800.6	102350.	6434.7
#2	7829.7	102940.	6386.1

Sample Name: 280-48773-c-1-f ms Acquired: 11/11/2013 17:41:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**4.3904**	**1.0163**	**2.0483**	**2.0735**	**.04981**	F **2.1210**	**68.326**	**.10558**	**.48843**
Stddev	.00009	.0004	.0035	.0037	.0008	.00020	.0009	.046	.00005	.00090
%RSD	.17270	.00984	.34420	.17983	.03701	.39282	.04079	.06777	.04681	.18515
#1	.05137	4.3907	1.0188	2.0509	2.0730	.04994	2.1217	68.293	.10554	.48907
#2	.05149	4.3901	1.0138	2.0457	2.0741	.04967	2.1204	68.358	.10561	.48779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20060**	**.25842**	**1.8370**	**55.211**	**1.0568**	**55.935**	**.62412**	**1.0301**	W **918.50**	**.49263**
Stddev	.00035	.00018	.0048	.317	.0023	.027	.00012	.0020	.56	.00088
%RSD	.17646	.06864	.25999	.57353	.21617	.04891	.01931	.19356	.06150	.17807
#1	.20085	.25855	1.8336	54.987	1.0585	55.955	.62420	1.0315	918.90	.49325
#2	.20035	.25830	1.8404	55.435	1.0552	55.916	.62403	1.0287	918.10	.49200
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.546**	**.46920**	F **229.48**	**.47930**	**1.9789**	**18.471**	**39.528**	**1.9442**	**1.6012**	**1.0268**
Stddev	.017	.00202	.16	.00285	.0005	.020	.042	.0011	.0012	.0010
%RSD	.16099	.43112	.07067	.59370	.02592	.10721	.10721	.05777	.07361	.09547
#1	10.558	.47063	229.60	.48132	1.9785	18.457	39.498	1.9450	1.6004	1.0275
#2	10.534	.46777	229.37	.47729	1.9792	18.485	39.558	1.9434	1.6021	1.0261
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0355**	**1.7281**	**2.0939**	**.52370**	**.52390**	**.52342**
Stddev	.0006	.0014	.0245	.00094	.00006	.00103
%RSD	.06195	.08286	1.1686	.17856	.01214	.19686
#1	1.0360	1.7291	2.0766	.52303	.52395	.52415
#2	1.0351	1.7271	2.1112	.52436	.52386	.52269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7421.1**	**96250.**	**6381.4**
Stddev	17.0	552.	67.9
%RSD	.22885	.57360	1.0639
#1	7409.1	95859.	6429.4
#2	7433.2	96640.	6333.4

Sample Name: 280-48773-c-1-g msd Acquired: 11/11/2013 17:43:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05335**	**4.4784**	**1.0432**	**2.0886**	**2.1100**	**.05091**	F **2.1639**	**69.473**	**.10736**	**.49410**
Stddev	.00002	.0061	.0001	.0001	.0042	.00003	.0041	.201	.00042	.00046
%RSD	.03377	.13534	.01480	.00427	.19760	.05445	.19128	.28902	.39250	.09267
#1	.05334	4.4741	1.0434	2.0885	2.1071	.05093	2.1610	69.331	.10766	.49443
#2	.05336	4.4827	1.0431	2.0887	2.1130	.05089	2.1668	69.615	.10706	.49378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20370**	**.26260**	**1.8824**	**56.514**	**1.0738**	**56.939**	**.63378**	**1.0495**	W **934.76**	**.49899**
Stddev	.00023	.00087	.0029	.224	.0064	.072	.00089	.0008	3.59	.00030
%RSD	.11280	.33058	.15399	.39624	.59269	.12576	.13995	.07880	.38394	.05949
#1	.20354	.26199	1.8844	56.356	1.0693	56.888	.63315	1.0489	932.22	.49920
#2	.20387	.26321	1.8803	56.673	1.0783	56.990	.63441	1.0501	937.30	.49878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.754**	**.47313**	F **233.10**	**.48959**	**2.0210**	**18.822**	**40.279**	**1.9791**	**1.6304**	**1.0461**
Stddev	.002	.00065	.35	.00104	.0075	.142	.305	.0034	.0047	.0004
%RSD	.01683	.13765	.15112	.21340	.36959	.75601	.75601	.17313	.28780	.04049
#1	10.753	.47359	233.35	.48885	2.0262	18.721	40.063	1.9815	1.6271	1.0458
#2	10.755	.47267	232.85	.49032	2.0157	18.922	40.494	1.9767	1.6337	1.0464
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0516**	**1.7524**	**2.1132**	**.53136**	**.53495**	**.53371**
Stddev	.0014	.0032	.0199	.00039	.00231	.00140
%RSD	.13710	.18026	.94200	.07298	.43113	.26212
#1	1.0505	1.7502	2.1273	.53163	.53332	.53272
#2	1.0526	1.7547	2.0991	.53108	.53658	.53470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7483.6**	**95756.**	**6388.1**
Stddev	5.7	291.	25.1
%RSD	.07662	.30387	.39235
#1	7479.5	95962.	6405.8
#2	7487.6	95551.	6370.3

Sample Name: 280-48773-c-1-ePDS Acquired: 11/11/2013 17:45:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05151**	**2.3551**	W **2.6931**	**.20619**	**1.2036**	**.14076**	**.04997**	**-.00151**	**38.458**	**.05155**
Stddev	.00071	.0066	.0185	.00231	.0103	.00101	.00098	.00202	.504	.00006
%RSD	1.3835	.28180	.68536	1.1224	.85334	.71804	1.9516	133.81	1.3117	.12323
#1	.05101	2.3598	2.6801	.20456	1.2109	.14005	.04928	-.00294	38.102	.05150
#2	.05201	2.3504	2.7062	.20783	1.1963	.14148	.05066	-.00008	38.815	.05159
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			500.00							
Low Limit			3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04993**	**.05092**	**.05637**	**1.7291**	**23.065**	**.13623**	**25.921**	**.16912**	**.07469**	W **881.72**
Stddev	.00003	.00011	.00064	.0237	.262	.00517	.055	.00007	.00001	11.28
%RSD	.05632	.22280	1.1389	1.3727	1.1341	3.7951	.21138	.04189	.01921	1.2798
#1	.04991	.05084	.05682	1.7123	22.880	.13257	25.882	.16907	.07470	873.75
#2	.04994	.05100	.05592	1.7459	23.250	.13988	25.960	.16918	.07468	889.70
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05202**	W **2.2081**	**.09410**	F **227.66**	**.08819**	**.20143**	**11.899**	**25.464**	**.09058**	**.63413**
Stddev	.00035	.0012	.00041	.12	.00103	.00156	.094	.201	.00054	.00806
%RSD	.67467	.05264	.43892	.05335	1.1660	.77657	.79098	.79098	.59294	1.2713
#1	.05227	2.2072	.09381	227.75	.08747	.20032	11.833	25.322	.09096	.62843
#2	.05177	2.2089	.09439	227.58	.08892	.20253	11.966	25.607	.09020	.63983
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000		200.00						
Low Limit		-1.0000		-.20000						

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19881**	**.07251**	**.17660**	**.51816**	**.05658**	**.21670**	**.05349**
Stddev	.00046	.00300	.00135	.01422	.00004	.00080	.00042
%RSD	.23234	4.1409	.76406	2.7438	.06730	.36943	.78361
#1	.19848	.07463	.17565	.50810	.05656	.21614	.05319
#2	.19914	.07039	.17756	.52821	.05661	.21727	.05378
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7551.5**	**98327.**	**6570.9**
Stddev	1.1	540.	4.8
%RSD	.01399	.54899	.07300
#1	7552.2	98709.	6574.3
#2	7550.7	97945.	6567.5

Sample Name: CCVH-2372891 Acquired: 11/11/2013 17:47:50 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00749**	**51.628**	**.00221**	**.00879**	**.00021**	**-.00008**	**1.0495**	**.03928**	**-.00030**	**-.00019**	**.00010**	**.01140**	**51.236**
Stddev	.00037	.038	.00091	.00097	.00006	.00004	.0005	.00092	.00017	.00008	.00003	.00029	.039
%RSD	4.9046	.07283	41.080	11.043	29.551	53.200	.04622	2.3371	57.439	41.701	33.803	2.5744	.07671
#1	.00775	51.601	.00157	.00948	.00017	-.00011	1.0492	.03863	-.00018	-.00013	.00008	.01160	51.209
#2	.00723	51.655	.00286	.00811	.00026	-.00005	1.0499	.03993	-.00042	-.00025	.00013	.01119	51.264
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37072**	**.00067**	**.09654**	**.00077**	**.00028**	**259.42**	**-.00048**	**-.00042**	**.00023**	F **6.7776**	**.00025**	**-.00283**	**.00313**
Stddev	.01974	.00123	.00295	.00001	.00022	.04	.00000	.00083	.00002	.0082	.00185	.00001	.00316
%RSD	5.3243	184.12	3.0604	1.7110	77.156	.01530	.88486	198.05	10.729	.12144	728.22	.48579	100.96
#1	.38468	.00154	.09863	.00076	.00013	259.45	-.00048	-.00101	.00021	6.7718	.00156	-.00282	.00536
#2	.35677	-.00020	.09445	.00077	.00043	259.39	-.00047	.00017	.00025	6.7834	-.00105	-.00284	.00089
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00669**	**.00032**	**.00072**	**5.0002**	**-.01233**	**.00186**	F **6.2226**	**.00195**	**.00107**	**.05833**
Stddev	.00675	.00009	.00004	.0132	.00041	.00052	.0573	.00070	.00068	.00013
%RSD	100.96	29.519	5.0864	.26296	3.3555	28.041	.92150	35.709	63.520	.22556
#1	.01146	.00038	.00075	4.9909	-.01262	.00149	6.2631	.00244	.00059	.05824
#2	.00191	.00025	.00070	5.0095	-.01204	.00222	6.1820	.00146	.00155	.05843
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8005.6**	**105470.**	**6601.0**
Stddev	4.2	205.	39.0
%RSD	.05213	.19451	.59018
#1	8002.7	105320.	6628.5
#2	8008.6	105610.	6573.4

Sample Name: CCV-2372889 Acquired: 11/11/2013 17:50:13 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49779**	**.51767**	**.99526**	**.50363**	**.50194**	**.49425**	**-.00174**	**5.0787**	**.49972**	**.50788**	**.50534**	**.50246**	**2.4863**
Stddev	.00083	.00192	.00350	.00039	.00238	.00143	.00031	.0063	.00073	.00008	.00015	.00157	.0033
%RSD	.16729	.37001	.35184	.07798	.47427	.29026	17.764	.12489	.14701	.01580	.02979	.31297	.13421
#1	.49721	.51631	.99279	.50335	.50026	.49324	-.00195	5.0743	.49920	.50794	.50544	.50135	2.4886
#2	.49838	.51902	.99774	.50391	.50362	.49526	-.00152	5.0832	.50024	.50783	.50523	.50357	2.4839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.516**	**.99917**	**19.929**	**.50122**	**.50616**	F **5.6070**	**.50913**	**.98888**	**1.0237**	**1.4800**	**.99231**	**.99176**	**4.9862**
Stddev	.085	.00603	.016	.00023	.00034	.0257	.00034	.00233	.0007	.0044	.00320	.00055	.0033
%RSD	.16924	.60316	.08002	.04665	.06671	.45814	.06659	.23560	.06600	.29525	.32263	.05594	.06624
#1	50.456	.99491	19.940	.50106	.50640	5.6251	.50889	.99053	1.0242	1.4831	.99004	.99137	4.9839
#2	50.577	1.0034	19.918	.50139	.50592	5.5888	.50937	.98724	1.0232	1.4769	.99457	.99215	4.9886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0105**	**.49968**	**-.00343**	**.49722**	**1.0194**	**-.02065**	**.49951**	**.50390**	**.50369**
Stddev	.007	.0014	.00196	.00110	.00110	.0013	.01015	.00140	.00409	.00591
%RSD	.06624	.13713	.39145	32.207	.22050	.12664	49.122	.28025	.81084	1.1738
#1	10.666	1.0095	.49830	-.00265	.49645	1.0203	-.02783	.49852	.50679	.49951
#2	10.676	1.0115	.50106	-.00421	.49800	1.0185	-.01348	.50050	.50101	.50787
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8054.7**	**107600.**	**6585.6**
Stddev	5.0	39.	58.7
%RSD	.06217	.03604	.89187
#1	8058.3	107630.	6544.1
#2	8051.2	107570.	6627.2

Sample Name: CCB Acquired: 11/11/2013 17:52:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00482**	**-.00020**	W **.00578**	**-.00014**	**-.00001**	**-.00029**	**.00265**	**-.00013**	**.00020**	**-.00001**	**-.00025**
Stddev	.00007	.00033	.00183	.00035	.00011	.00000	.00192	.00101	.00014	.00016	.00010	.00035
%RSD	93.010	6.8830	894.60	6.1218	84.582	7.3360	666.55	37.939	107.67	78.928	680.67	140.68
#1	.00003	-.00459	.00109	.00603	-.00005	-.00001	-.00165	.00194	-.00003	.00032	-.00009	.00000
#2	.00013	-.00506	-.00150	.00553	-.00022	-.00001	.00107	.00336	-.00023	.00009	.00006	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00201**	**.12572**	**-.00002**	**-.00189**	**.00006**	**.00038**	F **.29602**	**-.00006**	**-.00380**	**-.00078**	F **1.4442**	F **.00866**
Stddev	.00153	.06590	.00044	.00278	.00004	.00016	.00526	.00029	.00078	.00115	.0050	.00548
%RSD	76.004	52.417	2033.7	147.29	60.996	42.827	1.7768	439.66	20.517	147.41	.34784	63.242
#1	-.00093	.07913	.00029	-.00385	.00009	.00049	.29974	.00014	-.00325	.00003	1.4407	.00479
#2	-.00309	.17232	-.00033	.00008	.00003	.00026	.29230	-.00027	-.00436	-.00160	1.4478	.01254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit							.18320				.20000	.00628
Low Limit							-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00239**	**.01258**	**.02693**	**.00010**	**.00007**	**-.00044**	**-.00040**	**.00065**	F **-.05292**	**.00022**	**.00215**	**.00180**
Stddev	.00086	.00176	.00377	.00069	.00006	.00225	.00031	.00056	.01594	.00000	.00003	.00049
%RSD	35.951	14.008	14.008	697.88	94.092	513.95	77.992	87.087	30.119	1.4036	1.4648	27.400
#1	.00300	.01383	.02959	.00059	.00011	-.00203	-.00062	.00105	-.04165	.00022	.00217	.00214
#2	.00178	.01134	.02426	-.00039	.00002	.00116	-.00018	.00025	-.06420	.00022	.00212	.00145
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8101.8**	**109160.**	**6445.3**
Stddev	32.7	263.	23.5
%RSD	.40338	.24091	.36419
#1	8078.7	108970.	6461.9
#2	8124.9	109340.	6428.7

Sample Name: CCVL-2372865 Acquired: 11/11/2013 17:54:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.10689**	**.01541**	**.10477**	**.01078**	**.00107**	**.12516**	**.21902**	**.00529**	**.01117**	**.01065**	**.01613**	**.10562**
Stddev	.00029	.00040	.00148	.00029	.00024	.00011	.00185	.00663	.00008	.00028	.00009	.00025	.00175
%RSD	2.6906	.37325	9.6212	.27454	2.2076	10.688	1.4820	3.0253	1.4407	2.4913	.82570	1.5777	1.6533
#1	.01059	.10660	.01645	.10457	.01061	.00099	.12647	.21433	.00524	.01097	.01071	.01595	.10438
#2	.01100	.10717	.01436	.10497	.01095	.00115	.12384	.22371	.00535	.01136	.01058	.01631	.10685
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3160**	**.00817**	**.21495**	**.01061**	**.02079**	F **1.3284**	**.04389**	**3.0084**	**.01022**	**1.3203**	**.00975**	**.01515**	**.50880**
Stddev	.0159	.00075	.00371	.00003	.00037	.0248	.00004	.0053	.00002	.0021	.00121	.00030	.00187
%RSD	.47943	9.1326	1.7245	.26680	1.7662	1.8637	.10064	.17588	.22432	.15692	12.413	1.9887	.36728
#1	3.3272	.00764	.21233	.01059	.02105	1.3109	.04392	3.0121	.01020	1.3217	.00889	.01493	.51013
#2	3.3047	.00870	.21757	.01063	.02053	1.3459	.04386	3.0046	.01024	1.3188	.01060	.01536	.50748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0888**	**.10729**	**.01064**	**.01441**	**.00964**	**.01696**	**.05734**	**.01034**	**.02345**	**.01792**
Stddev	.0040	.00151	.00012	.00220	.00044	.00128	.00777	.00036	.00007	.00004
%RSD	.36728	1.4033	1.0842	15.291	4.5827	7.5422	13.557	3.4752	.31734	.21146
#1	1.0917	.10835	.01055	.01596	.00995	.01606	.05185	.01008	.02339	.01789
#2	1.0860	.10623	.01072	.01285	.00932	.01787	.06284	.01059	.02350	.01795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8287.2**	**112190.**	**6680.5**
Stddev	24.5	997.	35.1
%RSD	.29619	.88902	.52524
#1	8269.9	111490.	6705.3
#2	8304.6	112900.	6655.7

Sample Name: 280-48773-c-4-c Acquired: 11/11/2013 17:56:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.02386**	**.00274**	**1.0737**	**.01572**	**-.00004**	**.00033**	**53.958**	**.00010**	**.00116**
Stddev	.00068	.00077	.00019	.0015	.00044	.00004	.00048	.109	.00021	.00021
%RSD	267.18	3.2142	6.7534	.14068	2.7872	90.545	144.36	.20258	215.60	17.765
#1	.00074	.02332	.00287	1.0748	.01541	-.00007	-.00001	53.881	.00024	.00131
#2	-.00023	.02440	.00261	1.0726	.01603	-.00002	.00067	54.036	-.00005	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00224**	**.14541**	**.77121**	**.03670**	**10.996**	**.92304**	**.00557**	W **924.64**	**.00170**
Stddev	.00008	.00037	.00263	.08193	.00132	.007	.00174	.00005	.99	.00011
%RSD	69.409	16.477	1.8084	10.624	3.5989	.06092	.18836	.96692	.10733	6.3728
#1	.00018	.00250	.14355	.71328	.03576	11.000	.92181	.00553	923.94	.00178
#2	.00006	.00198	.14727	.82915	.03763	10.991	.92427	.00560	925.35	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01336**	**.00005**	F **317.81**	**-.00143**	**-.00066**	**4.7539**	**10.173**	**.00011**	**1.3323**	**-.00303**
Stddev	.00070	.00122	.52	.00023	.00109	.0270	.058	.00046	.0019	.00295
%RSD	5.2341	2545.6	.16234	15.803	164.76	.56771	.56771	425.28	.14233	97.516
#1	.01385	-.00081	317.44	-.00127	.00011	4.7348	10.132	.00043	1.3309	-.00512
#2	.01286	.00091	318.17	-.00159	-.00143	4.7730	10.214	-.00022	1.3336	-.00094
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00000**	**.04740**	**.00541**	**.01117**	**.00183**
Stddev	.00014	.0005	.02796	.00000	.00037	.00332
%RSD	36.626	33263.	58.986	.08466	3.3016	181.17
#1	.00047	-.00033	.06717	.00541	.01143	-.00051
#2	.00028	.00033	.02763	.00540	.01091	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7460.8**	**96682.**	**6564.0**
Stddev	29.2	166.	7.3
%RSD	.39137	.17123	.11170
#1	7481.5	96799.	6569.2
#2	7440.2	96564.	6558.9

Sample Name: 280-48773-c-5-c Acquired: 11/11/2013 17:59:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00044**	**.00128**	**1.6855**	**.01296**	**.00001**	**-.00050**	**87.513**	**.00017**	**.00001**
Stddev	.00021	.00012	.00272	.0042	.00008	.00006	.00330	.308	.00024	.00014
%RSD	220.38	26.391	212.23	.24675	.62921	864.41	656.47	.35249	145.50	1269.9
#1	-.00005	-.00036	-.00064	1.6826	.01301	.00005	-.00284	87.731	.00034	-.00009
#2	.00024	-.00052	.00320	1.6884	.01290	-.00004	.00183	87.295	.00000	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00347**	**.00540**	**1.4521**	**.09774**	**16.258**	**.16094**	**.00685**	RW **1280.5**	**.00144**
Stddev	.00007	.00048	.00111	.0763	.00376	.001	.00014	.00018	4.1	.00014
%RSD	21.391	13.889	20.481	5.2541	3.8444	.00318	.08753	2.5698	.32036	10.047
#1	.00027	.00313	.00618	1.3981	.10039	16.258	.16084	.00673	1283.4	.00155
#2	.00036	.00381	.00462	1.5060	.09508	16.258	.16104	.00698	1277.6	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03045**	**-.00028**	F **480.44**	**-.00298**	**.03450**	**6.1607**	**13.184**	**-.00029**	**2.4233**	**-.00172**
Stddev	.00231	.00065	.64	.00149	.00050	.0684	.146	.00011	.0072	.00001
%RSD	7.5975	233.69	.13331	50.004	1.4536	1.1111	1.1111	39.739	.29882	.69438
#1	.02881	-.00074	479.99	-.00403	.03415	6.1123	13.080	-.00021	2.4284	-.00173
#2	.03208	.00018	480.90	-.00192	.03486	6.2091	13.287	-.00037	2.4181	-.00171
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00036**	**.06857**	**.00265**	**.00247**	**.00271**
Stddev	.00028	.00086	.02415	.00013	.00027	.00037
%RSD	47.131	237.87	35.213	5.0855	10.882	13.649
#1	-.00040	-.00025	.08565	.00275	.00266	.00245
#2	-.00080	.00097	.05150	.00256	.00228	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7325.9**	**94234.**	**6424.2**
Stddev	11.5	407.	77.2
%RSD	.15727	.43147	1.2011
#1	7317.8	94521.	6369.7
#2	7334.0	93946.	6478.8

Sample Name: 280-48773-c-6-c Acquired: 11/11/2013 18:02:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00201**	**.00192**	**1.7824**	**.00736**	**-.00003**	**.00089**	**29.105**	**-.00002**	**.00003**
Stddev	.00049	.00020	.00135	.0150	.00018	.00002	.00088	.092	.00019	.00005
%RSD	827.06	9.8394	70.055	.84137	2.4609	61.591	98.770	.31604	1044.0	173.17
#1	-.00029	.00215	.00287	1.7718	.00749	-.00005	.00027	29.170	-.00015	.00006
#2	.00041	.00187	.00097	1.7930	.00723	-.00002	.00151	29.040	.00012	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00210**	**.00211**	**.03106**	**1.4840**	**.28915**	**5.1821**	**.00038**	**.00849**	W **907.98**	**.00081**
Stddev	.00015	.00000	.00137	.0289	.00420	.0028	.00007	.00012	3.76	.00051
%RSD	7.2666	.00237	4.3992	1.9493	1.4533	.05447	18.656	1.3879	.41413	62.916
#1	.00221	.00211	.03202	1.4635	.29212	5.1841	.00033	.00857	910.64	.00117
#2	.00199	.00211	.03009	1.5044	.28618	5.1801	.00043	.00841	905.32	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01241**	**-.00161**	F **396.07**	**-.00330**	**.08811**	**3.9660**	**8.4873**	**-.00013**	**2.0706**	**-.00363**
Stddev	.00049	.00087	2.69	.00061	.00367	.0311	.0666	.00053	.0074	.00099
%RSD	3.9679	53.809	.67967	18.494	4.1668	.78493	.78493	398.84	.35741	27.335
#1	.01206	-.00222	394.17	-.00287	.09070	3.9440	8.4402	-.00051	2.0758	-.00433
#2	.01276	-.00100	397.98	-.00373	.08551	3.9880	8.5344	.00024	2.0653	-.00293
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00111**	**.05815**	**.01636**	**.00714**	**.00235**
Stddev	.00019	.00002	.01126	.00038	.00041	.00325
%RSD	34.027	1.4825	19.363	2.3002	5.7996	138.01
#1	-.00069	.00110	.05019	.01663	.00685	.00465
#2	-.00042	.00113	.06611	.01609	.00743	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7579.1**	**98340.**	**6640.7**
Stddev	36.5	288.	53.0
%RSD	.48182	.29266	.79809
#1	7604.9	98137.	6678.2
#2	7553.2	98544.	6603.2

Sample Name: 280-48773-c-7-c Acquired: 11/11/2013 18:04:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00062**	**.00150**	**1.4472**	**.00797**	**-.00003**	**-.00128**	**21.569**	**.00006**	**-.00010**
Stddev	.00049	.00033	.00084	.0069	.00002	.00006	.00446	.049	.00000	.00003
%RSD	421.90	53.592	56.084	.47369	.28355	221.88	347.45	.22704	1.2779	26.741
#1	.00023	.00039	.00209	1.4423	.00795	.00002	-.00444	21.535	.00006	-.00008
#2	-.00046	.00086	.00091	1.4520	.00799	-.00007	.00187	21.604	.00006	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00186**	**-.00015**	**2.2755**	**.46460**	**2.5235**	**.00026**	**.00115**	RW **1051.8**	**.00021**
Stddev	.00026	.00022	.00034	.0830	.00171	.0059	.00005	.00009	1.5	.00062
%RSD	33.076	11.793	221.15	3.6459	.36776	.23191	19.510	7.8175	.14687	293.17
#1	.00098	.00171	-.00039	2.2168	.46339	2.5194	.00023	.00122	1050.8	.00065
#2	.00061	.00202	.00009	2.3341	.46581	2.5276	.00030	.00109	1052.9	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00054**	F **381.18**	**-.00098**	**.07453**	**4.3851**	**9.3841**	**-.00002**	**1.6820**	**-.00096**
Stddev	.00071	.00021	2.19	.00272	.00028	.0304	.0650	.00015	.0004	.00220
%RSD	9.7964	39.516	.57525	278.62	.36983	.69301	.69301	936.87	.02282	227.86
#1	.00780	-.00069	379.63	-.00290	.07433	4.3636	9.3381	-.00012	1.6817	-.00252
#2	.00679	-.00039	382.73	.00095	.07472	4.4066	9.4301	.00009	1.6823	.00059
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**-.00015**	**.02534**	**.04496**	**.00261**	**.00273**
Stddev	.00006	.00022	.04721	.00021	.00033	.00043
%RSD	12.915	143.32	186.29	.45699	12.536	15.706
#1	-.00042	.00000	.05873	.04481	.00238	.00243
#2	-.00050	-.00030	-.00804	.04510	.00285	.00304
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7453.8**	**97978.**	**6654.9**
Stddev	34.3	573.	39.6
%RSD	.46010	.58435	.59467
#1	7478.0	97573.	6682.9
#2	7429.5	98382.	6627.0

Sample Name: 280-48773-c-8-e Acquired: 11/11/2013 18:07:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**.02122**	**.00022**	**1.3509**	**.01280**	**.00001**	**.00039**	**48.231**	**.00005**	**-.00008**
Stddev	.00128	.00005	.00213	.0126	.00019	.00001	.00010	.624	.00005	.00012
%RSD	340.38	.21924	968.53	.93596	1.4665	125.60	24.757	1.2943	95.785	148.98
#1	-.00128	.02119	.00172	1.3420	.01294	.00000	.00032	47.790	.00008	-.00016
#2	.00053	.02126	-.00128	1.3598	.01267	.00001	.00046	48.673	.00002	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00277**	**.04318**	**1.3465**	**.16283**	**10.911**	**.00610**	**.00147**	W **961.40**	**.00066**
Stddev	.00005	.00006	.00111	.0706	.00172	.171	.00004	.00019	12.06	.00000
%RSD	24.863	2.0609	2.5693	5.2440	1.0589	1.5676	.66058	12.952	1.2544	.29661
#1	.00016	.00281	.04239	1.2966	.16161	10.790	.00607	.00133	952.88	.00066
#2	.00023	.00273	.04396	1.3964	.16405	11.032	.00613	.00160	969.93	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04223**	**-.00082**	F **358.02**	**-.00176**	**.06348**	**4.4478**	**9.5182**	**.00049**	**1.7229**	**-.00319**
Stddev	.00212	.00059	.32	.00091	.00284	.0597	.1278	.00028	.0204	.00177
%RSD	5.0156	72.080	.08931	51.781	4.4658	1.3427	1.3427	56.373	1.1868	55.574
#1	.04073	-.00040	357.79	-.00112	.06148	4.4055	9.4279	.00029	1.7085	-.00193
#2	.04373	-.00124	358.24	-.00240	.06549	4.4900	9.6086	.00068	1.7374	-.00444
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**-.00049**	**.10233**	**.00289**	**.01406**	**.00042**
Stddev	.00036	.00005	.01014	.00008	.00014	.00094
%RSD	151.23	10.120	9.9119	2.6475	.96525	223.77
#1	-.00049	-.00046	.10950	.00294	.01396	.00108
#2	.00002	-.00053	.09515	.00284	.01415	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7406.9**	**97733.**	**6816.7**
Stddev	7.1	769.	82.7
%RSD	.09644	.78676	1.2132
#1	7411.9	98276.	6875.2
#2	7401.8	97189.	6758.3

Sample Name: CCVH-2372891 Acquired: 11/11/2013 18:10:09 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**51.818**	**.00089**	**.00721**	**-.00004**	**-.00004**	W **1.0588**	**.03023**	**.00007**	**-.00035**	**-.00007**	**.01172**
Stddev	.00009	.290	.00029	.00103	.00030	.00004	.0013	.00577	.00007	.00002	.00004	.00029
%RSD	1.3369	.55888	32.751	14.217	759.10	95.529	.12601	19.084	93.280	4.7818	53.677	2.4795
#1	.00692	51.613	.00110	.00793	.00018	-.00007	1.0598	.03431	.00012	-.00034	-.00005	.01193
#2	.00705	52.023	.00069	.00649	-.00026	-.00001	1.0579	.02615	.00002	-.00036	-.00010	.01152
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.432**	**.40215**	**.00435**	**.08363**	**.00067**	**-.00018**	**262.10**	**-.00004**	**-.00064**	**.00032**	F **6.4520**	**.00072**
Stddev	.097	.01131	.00149	.00043	.00009	.00019	.58	.00001	.00090	.00040	.0064	.00255
%RSD	.18887	2.8116	34.248	.51765	12.866	106.24	.22237	37.762	141.86	122.97	.09889	353.71
#1	51.501	.39415	.00540	.08333	.00073	-.00004	261.69	-.00005	-.00127	.00060	6.4566	-.00108
#2	51.363	.41014	.00329	.08394	.00061	-.00031	262.52	-.00003	.00000	.00004	6.4475	.00253
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00393**	**.00384**	**.00822**	**.00022**	**.00068**	**5.0144**	**-.01248**	**.00135**	F **6.2803**	**.00096**	**.00071**	**.06077**
Stddev	.00110	.00146	.00312	.00010	.00045	.0174	.00034	.00204	.0313	.00052	.00030	.00350
%RSD	28.046	37.901	37.901	45.721	66.114	.34694	2.6888	150.74	.49879	54.471	42.614	5.7610
#1	-.00471	.00487	.01043	.00029	.00100	5.0267	-.01272	-.00009	6.2582	.00133	.00050	.05829
#2	-.00315	.00281	.00602	.00015	.00036	5.0021	-.01224	.00279	6.3025	.00059	.00093	.06324
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8091.8**	**107030.**	**6719.1**
Stddev	42.4	74.	50.1
%RSD	.52458	.06889	.74632
#1	8061.8	106970.	6754.5
#2	8121.8	107080.	6683.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 18:12:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50103**	**.52298**	**1.0023**	**.50764**	**.50557**	**.49970**	**-.00042**	**5.1089**	**.50361**	**.50773**	**.50657**	**.50484**	**2.5175**
Stddev	.00055	.00122	.0034	.00020	.00133	.00102	.00134	.0110	.00057	.00003	.00072	.00077	.0108
%RSD	.11051	.23402	.34171	.03991	.26339	.20393	322.83	.21530	.11395	.00652	.14230	.15322	.42806
#1	.50064	.52212	1.0048	.50750	.50462	.49898	.00053	5.1012	.50320	.50776	.50708	.50539	2.5251
#2	.50143	.52385	.99991	.50778	.50651	.50042	-.00137	5.1167	.50402	.50771	.50606	.50430	2.5098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.874**	**1.0023**	**19.918**	**.50114**	**.50870**	F **5.8314**	**.50979**	**.99526**	**1.0238**	**1.1665**	**1.0064**	**.99833**	**5.0010**
Stddev	.001	.0006	.004	.00112	.00043	.0302	.00076	.00274	.0004	.0032	.0061	.00858	.0506
%RSD	.00287	.05856	.01896	.22437	.08459	.51713	.14886	.27576	.03500	.27817	.60770	.85978	1.0115
#1	50.875	1.0028	19.915	.50034	.50839	5.8527	.51033	.99720	1.0240	1.1642	1.0107	1.0044	4.9653
#2	50.873	1.0019	19.921	.50193	.50900	5.8100	.50926	.99332	1.0235	1.1688	1.0020	.99226	5.0368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.702**	**1.0133**	**.50410**	**-.00621**	**.49780**	**1.0249**	**-.02334**	**.50141**	**.50286**	**.50490**
Stddev	.108	.0062	.00044	.00154	.00058	.0044	.02268	.00029	.00128	.00093
%RSD	1.0115	.60717	.08693	24.852	.11729	.42816	97.164	.05696	.25429	.18481
#1	10.626	1.0177	.50379	-.00731	.49739	1.0280	-.00731	.50161	.50196	.50424
#2	10.779	1.0090	.50441	-.00512	.49821	1.0218	-.03938	.50120	.50377	.50556
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8175.2**	**109340.**	**6773.3**
Stddev	2.0	344.	6.7
%RSD	.02472	.31418	.09954
#1	8173.8	109580.	6778.1
#2	8176.7	109100.	6768.5

Sample Name: CCB Acquired: 11/11/2013 18:14:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00433**	**.00033**	W **.00466**	**.00014**	**-.00002**	**.00259**	**.00733**	**.00004**	**.00029**	**.00007**	**.00014**
Stddev	.00016	.00024	.00074	.00011	.00026	.00002	.00191	.00193	.00012	.00007	.00008	.00044
%RSD	40.565	5.4322	224.52	2.3051	186.29	140.85	73.860	26.335	311.88	25.794	122.55	313.03
#1	.00051	-.00416	.00085	.00459	.00032	-.00003	.00394	.00596	-.00005	.00034	.00012	.00046
#2	.00028	-.00450	-.00019	.00474	-.00004	.00000	.00124	.00869	.00012	.00024	.00001	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00437								
Low Limit				-.00437								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.11232**	**.00043**	F **.03424**	F **.00073**	**.00037**	F **.46646**	**.00028**	**-.00369**	**.00019**	F **1.1107**	F **.00972**
Stddev	.00231	.01782	.00274	.04567	.00088	.00012	.01445	.00015	.00135	.00067	.0148	.00143
%RSD	242.61	15.863	632.76	133.37	120.45	33.806	3.0988	54.198	36.665	359.75	1.3305	14.711
#1	.00259	.12492	-.00151	.06653	.00135	.00028	.47668	.00038	-.00465	.00066	1.1002	.00871
#2	-.00068	.09972	.00237	.00195	.00011	.00046	.45624	.00017	-.00274	-.00029	1.1211	.01074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit				.02140	.00050		.18320				.20000	.00628
Low Limit				-.02140	-.00050		-.18320				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.02174**	**.04653**	**.00012**	**.00022**	**.00382**	**-.00021**	**.00064**	**.01726**	**.00056**	**.00265**	**.00129**
Stddev	.00139	.02122	.04541	.00010	.00011	.00467	.00034	.00086	.02338	.00103	.00049	.00065
%RSD	1177.5	97.605	97.605	85.238	48.650	122.38	161.15	133.89	135.45	182.45	18.416	50.544
#1	-.00110	.03675	.07864	.00019	.00029	.00712	.00003	.00003	.03379	.00129	.00300	.00083
#2	.00086	.00674	.01441	.00005	.00014	.00051	-.00045	.00125	.00073	-.00016	.00231	.00175
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8176.0**	**111210.**	**6715.8**
Stddev	.5	184.	28.8
%RSD	.00603	.16559	.42872
#1	8176.3	111080.	6695.4
#2	8175.7	111340.	6736.1

Sample Name: CCVL-2372865 Acquired: 11/11/2013 18:16:55 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01107**	**.10791**	**.01591**	**.10452**	**.01062**	**.00107**	**.12931**	**.21941**	**.00533**	**.01127**	**.01074**	**.01593**	**.10254**
Stddev	.00029	.00076	.00308	.00018	.00000	.00001	.00175	.00343	.00016	.00004	.00015	.00007	.00401
%RSD	2.6005	.70293	19.354	.16885	.01373	1.2091	1.3506	1.5622	2.9665	.31110	1.3961	.42379	3.9097
#1	.01086	.10737	.01374	.10439	.01062	.00108	.13055	.21698	.00544	.01125	.01084	.01588	.09971
#2	.01127	.10844	.01809	.10464	.01062	.00106	.12808	.22183	.00522	.01130	.01063	.01597	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3441**	**.00929**	**.21603**	**.01061**	**.02098**	F **1.4146**	**.04379**	**3.0270**	**.01000**	**1.0167**	**.01024**	**.01460**	**.51048**
Stddev	.1062	.00097	.00299	.00006	.00048	.0056	.00002	.0032	.00051	.0232	.00095	.00209	.00346
%RSD	3.1756	10.429	1.3827	.52582	2.2802	.39617	.05073	.10566	5.1091	2.2771	9.2424	14.282	.67740
#1	3.2690	.00860	.21814	.01065	.02064	1.4107	.04377	3.0247	.00964	1.0004	.00957	.01608	.51293
#2	3.4192	.00997	.21392	.01057	.02132	1.4186	.04380	3.0292	.01036	1.0331	.01091	.01313	.50804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0924**	**.10661**	**.01065**	**.01456**	**.00980**	**.01749**	**.07171**	**.01035**	**.02307**	**.01830**
Stddev	.0074	.00101	.00011	.00095	.00030	.00025	.04732	.00057	.00068	.00073
%RSD	.67740	.95035	1.0421	6.5435	3.0976	1.4246	65.989	5.5046	2.9502	3.9956
#1	1.0977	.10590	.01073	.01388	.00958	.01731	.10517	.01076	.02356	.01881
#2	1.0872	.10733	.01057	.01523	.01001	.01766	.03825	.00995	.02259	.01778
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8381.5**	**112960.**	**6792.1**
Stddev	2.4	542.	65.0
%RSD	.02915	.47950	.95734
#1	8379.8	112580.	6838.1
#2	8383.2	113350.	6746.1

Sample Name: mb 280-198991/1-a Acquired: 11/11/2013 18:19:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**-.00103**	**.00137**	**.00362**	**-.00012**	**-.00009**	**-.00041**	**.01265**	**-.00002**	**.00028**
Stddev	.00032	.00019	.00030	.00033	.00020	.00005	.00297	.00235	.00014	.00012
%RSD	42.965	17.902	22.177	9.0888	170.61	50.512	716.07	18.602	775.64	42.293
#1	.00096	-.00116	.00159	.00385	-.00026	-.00006	.00168	.01099	-.00012	.00037
#2	.00051	-.00090	.00116	.00339	.00002	-.00013	-.00251	.01431	.00008	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00022**	**.00505**	**.05066**	**-.00084**	**.00220**	**.00013**	**-.00010**	**.24602**	**.00029**
Stddev	.00004	.00043	.00112	.00011	.00173	.00079	.00002	.00023	.01017	.00001
%RSD	2276.2	192.43	22.200	.22654	206.32	36.160	13.395	232.52	4.1356	3.6808
#1	.00003	-.00008	.00426	.05074	.00038	.00276	.00014	.00006	.25321	.00028
#2	-.00002	.00053	.00584	.05058	-.00206	.00164	.00012	-.00026	.23882	.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00246**	**-.00028**	F **1.0962**	**-.00116**	**-.00250**	**.01348**	**.02885**	**.00018**	**.00010**	**.00066**
Stddev	.00022	.00048	.0159	.00333	.00000	.00111	.00237	.00042	.00007	.00014
%RSD	8.9605	172.25	1.4530	287.74	.17222	8.2001	8.2001	235.16	70.366	21.489
#1	-.00262	-.00062	1.0849	.00120	-.00250	.01426	.03053	.00048	.00015	.00076
#2	-.00231	.00006	1.1074	-.00351	-.00251	.01270	.02718	-.00012	.00005	.00056
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00010**	**-.01233**	**.00026**	**.00250**	**.00285**
Stddev	.00002	.00014	.02752	.00066	.00002	.00135
%RSD	9.0783	141.76	223.13	257.47	.74575	47.420
#1	-.00021	.00019	.00713	.00073	.00248	.00189
#2	-.00018	.00000	-.03180	-.00021	.00251	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.5**	**113340.**	**7091.2**
Stddev	24.1	702.	160.4
%RSD	.29006	.61969	2.2622
#1	8308.5	113840.	7204.6
#2	8274.5	112840.	6977.7

Sample Name: lcs 280-198991/2-a Acquired: 11/11/2013 18:21:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05130**	**1.9824**	**1.0114**	**1.0066**	**2.1209**	**.05169**	**2.2743**	**51.245**	**.10717**	**.50271**
Stddev	.00118	.0030	.0074	.0004	.0236	.00035	.0008	.609	.00005	.00043
%RSD	2.2967	.14990	.72784	.03772	1.1138	.67507	.03406	1.1885	.04538	.08525
#1	.05213	1.9803	1.0062	1.0069	2.1376	.05193	2.2737	51.676	.10713	.50302
#2	.05046	1.9845	1.0166	1.0063	2.1042	.05144	2.2748	50.814	.10720	.50241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20765**	**.26269**	**1.0297**	**53.322**	**1.0503**	**50.063**	**.50593**	**1.0298**	**55.224**	**.50565**
Stddev	.00008	.00042	.0176	.654	.0108	.191	.00255	.0015	1.415	.00046
%RSD	.03809	.16027	1.7138	1.2260	1.0289	.38206	.50379	.14381	2.5622	.09163
#1	.20771	.26299	1.0421	53.785	1.0579	50.198	.50773	1.0309	56.225	.50532
#2	.20760	.26240	1.0172	52.860	1.0427	49.928	.50413	1.0288	54.223	.50597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.309**	**.50008**	**1.0032**	**.49319**	**2.0063**	**10.292**	**22.025**	**2.0238**	**1.0541**	**1.0280**
Stddev	.006	.00007	.0122	.00044	.0019	.113	.243	.0036	.0121	.0078
%RSD	.06200	.01418	1.2176	.08889	.09320	1.1016	1.1016	.17738	1.1472	.75464
#1	10.313	.50013	.99453	.49288	2.0076	10.372	22.197	2.0264	1.0627	1.0335
#2	10.304	.50003	1.0118	.49350	2.0050	10.212	21.854	2.0213	1.0455	1.0225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0146**	**1.9760**	**2.1760**	**.51823**	**.49984**	**.53384**
Stddev	.0040	.0013	.0143	.00108	.00079	.00736
%RSD	.39207	.06348	.65773	.20844	.15823	1.3790
#1	1.0174	1.9768	2.1659	.51899	.50040	.53904
#2	1.0118	1.9751	2.1862	.51746	.49928	.52863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8048.0**	**107590.**	**6704.5**
Stddev	33.0	47.	114.8
%RSD	.40976	.04342	1.7127
#1	8071.3	107560.	6623.3
#2	8024.7	107630.	6785.6

Sample Name: 280-48662-e-4-a Acquired: 11/11/2013 18:23:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01604**	**.00021**	**.52806**	**.01289**	**-.00009**	**.00232**	**76.178**	**.00036**	**.00007**
Stddev	.00007	.00007	.00303	.00043	.00043	.00006	.00330	.906	.00016	.00021
%RSD	35.998	.41592	1435.7	.08170	3.3451	64.531	142.25	1.1894	44.422	292.79
#1	-.00024	.01609	.00235	.52775	.01258	-.00013	-.00001	75.537	.00025	-.00008
#2	-.00014	.01600	-.00193	.52836	.01319	-.00005	.00465	76.818	.00048	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00194**	**.01405**	**1.4173**	**.10613**	**15.739**	**.00607**	**.00607**	W **532.12**	**.00105**
Stddev	.00003	.00023	.00480	.0661	.00100	.032	.00004	.00042	6.37	.00032
%RSD	7.6919	12.054	34.146	4.6617	.94155	.20484	.70720	6.9423	1.1973	30.715
#1	.00035	.00210	.01066	1.3706	.10542	15.716	.00604	.00577	527.61	.00082
#2	.00039	.00177	.01744	1.4641	.10684	15.762	.00610	.00637	536.62	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03706**	**-.00149**	F **254.90**	**-.00041**	**.00603**	**3.6920**	**7.9009**	**.00034**	**4.7202**	**-.00119**
Stddev	.00029	.00087	.44	.00065	.00300	.0586	.1255	.00110	.0593	.00191
%RSD	.78847	58.316	.17448	158.01	49.751	1.5882	1.5882	321.19	1.2562	161.13
#1	.03727	-.00088	255.21	-.00087	.00815	3.6505	7.8121	-.00044	4.6783	.00017
#2	.03686	-.00210	254.58	.00005	.00391	3.7335	7.9896	.00112	4.7621	-.00254
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00145**	**.03649**	**.00734**	**.01530**	**.00363**
Stddev	.00024	.00099	.06078	.00018	.00055	.00098
%RSD	163.55	68.104	166.57	2.4182	3.5956	27.039
#1	-.00002	.00215	-.00649	.00721	.01569	.00294
#2	.00032	.00075	.07947	.00747	.01491	.00433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7748.8**	**101530.**	**6784.2**
Stddev	4.6	383.	94.3
%RSD	.05999	.37739	1.3896
#1	7752.1	101800.	6850.9
#2	7745.5	101260.	6717.6

Sample Name: 280-48662-e-4-aSD@5 Acquired: 11/11/2013 18:26:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00712**	**.00090**	**.11005**	**.00240**	**-.00002**	**.00232**	**15.367**	**.00009**	**.00017**
Stddev	.00004	.00007	.00057	.00014	.00043	.00001	.00070	.083	.00008	.00013
%RSD	26.375	1.0506	62.720	.12364	17.803	55.195	30.115	.54087	95.135	76.115
#1	.00017	.00707	.00050	.11015	.00271	-.00002	.00183	15.308	.00015	.00008
#2	.00012	.00718	.00130	.10996	.00210	-.00003	.00281	15.426	.00003	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**.00072**	**.01502**	**.33142**	**.02241**	**3.2004**	**.00147**	**.00085**	**106.94**	**.00058**
Stddev	.00014	.00022	.00281	.01993	.00031	.0026	.00008	.00018	.53	.00029
%RSD	63.835	30.601	18.743	6.0134	1.3944	.08116	5.2382	21.609	.49585	50.614
#1	.00012	.00088	.01701	.31733	.02219	3.2023	.00153	.00072	106.57	.00037
#2	.00032	.00057	.01303	.34552	.02263	3.1986	.00142	.00098	107.32	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00231**	**.00031**	**50.345**	**.00036**	**.00162**	**.73712**	**1.5774**	**.00194**	**.94311**	**-.00010**
Stddev	.00003	.00166	.092	.00279	.00074	.00185	.0040	.00045	.00584	.00218
%RSD	1.0847	536.53	.18217	782.83	45.530	.25059	.25059	23.009	.61929	2200.3
#1	.00232	.00149	50.410	.00233	.00110	.73581	1.5746	.00226	.93898	-.00164
#2	.00229	-.00087	50.280	-.00161	.00214	.73843	1.5802	.00163	.94724	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00003**	**-.01639**	**.00176**	**.00807**	**.00120**
Stddev	.00042	.00038	.02157	.00011	.00000	.00059
%RSD	124.20	1304.4	131.57	6.1270	.04416	49.292
#1	-.00064	-.00030	-.00114	.00168	.00808	.00078
#2	-.00004	.00024	-.03165	.00183	.00807	.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8078.5**	**107540.**	**6796.0**
Stddev	32.7	283.	3.4
%RSD	.40425	.26332	.04976
#1	8101.6	107340.	6798.4
#2	8055.4	107740.	6793.6

Sample Name: 280-48662-e-4-b ms Acquired: 11/11/2013 18:28:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05378	1.9508	1.0450	1.4948	2.0359	.04969	F 2.2294	123.58	.10848	.49801
Stddev	.00014	.0032	.0019	.0048	.0258	.00065	.0017	1.35	.00004	.00088
%RSD	.25421	.16173	.18457	.32129	1.2691	1.2981	.07642	1.0956	.03739	.17587
#1	.05387	1.9486	1.0464	1.4914	2.0177	.04924	2.2282	122.62	.10845	.49739
#2	.05368	1.9530	1.0437	1.4982	2.0542	.05015	2.2306	124.54	.10851	.49863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20539	.25928	1.0160	54.550	1.1221	64.693	.50945	1.0405	W 576.09	.50127
Stddev	.00022	.00088	.0088	.713	.0134	.164	.00173	.0015	6.26	.00055
%RSD	.10538	.34046	.86484	1.3069	1.1909	.25293	.33904	.14556	1.0863	.11051
#1	.20523	.25865	1.0098	54.046	1.1126	64.578	.50823	1.0394	571.66	.50088
#2	.20554	.25990	1.0222	55.054	1.1315	64.809	.51067	1.0415	580.51	.50167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 10.889	.47967	F 253.54	.49330	2.0505	13.664	29.242	1.9881	W 5.5512	1.0339
Stddev	.014	.00064	.51	.00312	.0060	.147	.315	.0002	.1623	.0044
%RSD	.12414	.13255	.20146	.63170	.29482	1.0784	1.0784	.00830	2.9239	.42909
#1	10.879	.47922	253.18	.49109	2.0463	13.560	29.019	1.9880	5.4364	1.0308
#2	10.898	.48012	253.90	.49550	2.0548	13.768	29.465	1.9883	5.6660	1.0370
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0173	1.7883	2.1435	.52844	.52488	.51459
Stddev	.0019	.0032	.0021	.00077	.00098	.00529
%RSD	.18593	.17908	.09764	.14639	.18601	1.0287
#1	1.0159	1.7861	2.1420	.52789	.52419	.51085
#2	1.0186	1.7906	2.1450	.52899	.52557	.51833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7568.3	100440.	6778.7
Stddev	15.8	595.	36.0
%RSD	.20873	.59201	.53107
#1	7557.2	100860.	6804.1
#2	7579.5	100020.	6753.2

Sample Name: 280-48662-e-4-c msd Acquired: 11/11/2013 18:30:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05143**	**1.9283**	**1.0336**	**1.4857**	**2.0124**	**.04926**	F **2.1875**	**122.94**	**.10662**	**.49160**
Stddev	.00061	.0073	.0065	.0046	.0227	.00067	.0088	1.33	.00066	.00108
%RSD	1.1939	.37748	.62389	.30721	1.1296	1.3607	.40421	1.0850	.61808	.21952
#1	.05187	1.9335	1.0382	1.4889	1.9963	.04878	2.1937	121.99	.10709	.49236
#2	.05100	1.9232	1.0290	1.4825	2.0285	.04973	2.1812	123.88	.10616	.49084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20274**	**.25564**	**.99002**	**53.996**	**1.1051**	**63.937**	**.50023**	**1.0297**	W **575.05**	**.49451**
Stddev	.00073	.00136	.00981	.652	.0135	.073	.00086	.0026	6.34	.00135
%RSD	.36100	.53214	.99067	1.2072	1.2190	.11433	.17168	.24793	1.1022	.27235
#1	.20325	.25468	.98309	53.535	1.0955	63.989	.50084	1.0315	570.57	.49546
#2	.20222	.25661	.99696	54.457	1.1146	63.886	.49963	1.0279	579.53	.49356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.723**	**.47280**	F **252.71**	**.48755**	**2.0145**	**13.574**	**29.049**	**1.9705**	W **5.5232**	**1.0138**
Stddev	.040	.00046	1.12	.00056	.0045	.307	.656	.0058	.0200	.0030
%RSD	.37074	.09762	.44316	.11412	.22417	2.2594	2.2594	.29447	.36221	.29194
#1	10.751	.47312	253.50	.48794	2.0177	13.358	28.585	1.9746	5.5091	1.0159
#2	10.695	.47247	251.92	.48716	2.0113	13.791	29.513	1.9664	5.5374	1.0117
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000		200.00						5.0000	
Low Limit	-1.0000		-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0029**	**1.7683**	**2.1332**	**.51952**	**.51653**	**.50739**
Stddev	.0003	.0100	.0540	.00021	.00144	.01097
%RSD	.03324	.56255	2.5321	.03974	.27942	2.1618
#1	1.0027	1.7753	2.1714	.51967	.51755	.49964
#2	1.0031	1.7612	2.0950	.51937	.51551	.51515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7534.1**	**100230.**	**6768.5**
Stddev	10.4	381.	89.1
%RSD	.13755	.38049	1.3162
#1	7526.8	99956.	6831.5
#2	7541.4	100500.	6705.5

Sample Name: 280-48662-e-4-aPDS Acquired: 11/11/2013 18:33:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**.98450**	**.20736**	**.60709**	**.11286**	**.04891**	**-.00084**	**93.367**	**.05134**	**.04933**
Stddev	.00001	.00163	.00249	.00067	.00128	.00104	.00084	.839	.00000	.00013
%RSD	.01191	.16506	1.2018	.10966	1.1298	2.1339	99.904	.89882	.00959	.26972
#1	.05064	.98565	.20912	.60662	.11196	.04818	-.00144	92.774	.05134	.04943
#2	.05063	.98335	.20560	.60756	.11376	.04965	-.00025	93.961	.05133	.04924
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05069**	**.05265**	**.99301**	**22.486**	**.20450**	**34.540**	**.05555**	**.05591**	W **538.97**	**.05022**
Stddev	.00007	.00006	.00875	.181	.00394	.067	.00023	.00022	4.83	.00032
%RSD	.13217	.10603	.88128	.80415	1.9247	.19477	.41561	.39144	.89646	.63592
#1	.05064	.05269	.98682	22.358	.20172	34.587	.05571	.05576	535.55	.05044
#2	.05073	.05261	.99919	22.614	.20729	34.492	.05539	.05607	542.38	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1971**	**.09281**	F **246.76**	**.09570**	**.20061**	**8.4141**	**18.006**	**.09706**	**4.6444**	**.19906**
Stddev	.0017	.00081	.28	.00191	.00035	.1775	.380	.00021	.0370	.00019
%RSD	.07638	.87628	.11339	1.9943	.17273	2.1100	2.1100	.21610	.79738	.09634
#1	2.1983	.09223	246.96	.09435	.20037	8.2886	17.738	.09691	4.6182	.19893
#2	2.1960	.09338	246.57	.09704	.20086	8.5396	18.275	.09720	4.6706	.19920
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000		200.00							
Low Limit	-1.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04923**	**.17887**	**.57043**	**.05915**	**.22070**	**.05398**
Stddev	.00038	.00081	.03147	.00066	.00031	.00065
%RSD	.77719	.45170	5.5168	1.1220	.14065	1.2030
#1	.04896	.17945	.54818	.05868	.22092	.05444
#2	.04950	.17830	.59268	.05961	.22048	.05352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7656.9**	**100660.**	**6680.9**
Stddev	11.7	114.	76.5
%RSD	.15332	.11316	1.1456
#1	7648.6	100580.	6735.0
#2	7665.2	100740.	6626.8

Sample Name: 280-48651-b-6-c Acquired: 11/11/2013 18:35:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00018	6.8592	.00652	.03303	.14228	.00062	-.00221	38.738	.00745	.01310
Stddev	.00023	.0475	.00054	.00037	.00074	.00014	.00252	.292	.00023	.00013
%RSD	126.13	.69222	8.2420	1.1315	.51765	21.936	114.34	.75411	3.0411	1.0085
#1	.00034	6.8256	.00690	.03329	.14176	.00053	-.00399	38.532	.00761	.01319
#2	.00002	6.8927	.00614	.03276	.14280	.00072	-.00042	38.945	.00729	.01301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00576	.03765	3.5710	5.5601	.03280	5.9981	.35169	.00095	5.7368	.03755
Stddev	.00004	.00012	.0377	.0503	.00026	.0222	.00116	.00004	.0588	.00006
%RSD	.72350	.32195	1.0566	.90529	.80612	.36967	.32948	4.0144	1.0256	.16948
#1	.00579	.03757	3.5443	5.5245	.03299	5.9824	.35087	.00098	5.7784	.03759
#2	.00573	.03774	3.5977	5.5957	.03261	6.0138	.35251	.00092	5.6952	.03750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6381	.01670	52.500	.00004	.00108	8.7298	18.682	.00110	.15383	-.00024
Stddev	.0048	.00085	.001	.00002	.00204	.1349	.289	.00046	.00079	.00068
%RSD	.29274	5.0709	.00147	39.010	188.36	1.5451	1.5451	42.429	.51326	287.67
#1	1.6415	.01610	52.500	.00005	.00252	8.6344	18.478	.00077	.15327	.00024
#2	1.6347	.01730	52.501	.00003	-.00036	8.8251	18.886	.00142	.15439	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07315	.00137	.00043	.01023	4.8328	.00367
Stddev	.00001	.00023	.01025	.00036	.0183	.00039
%RSD	.01739	16.977	2365.4	3.4790	.37936	10.730
#1	.07314	.00153	.00768	.00998	4.8198	.00395
#2	.07316	.00121	-.00681	.01048	4.8457	.00339
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8288.6	111360.	6944.3
Stddev	5.7	686.	47.4
%RSD	.06821	.61615	.68284
#1	8292.6	111850.	6977.8
#2	8284.6	110880.	6910.8

Sample Name: 280-48651-b-7-c Acquired: 11/11/2013 18:37:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00025**	**.00238**	**.00381**	**.00012**	**-.00006**	**-.00290**	**.04336**	**.00021**	**.00015**
Stddev	.00038	.00021	.00056	.00028	.00012	.00001	.00209	.01192	.00009	.00006
%RSD	82.675	86.283	23.595	7.2359	100.95	25.742	72.102	27.487	42.129	43.393
#1	.00019	.00010	.00278	.00400	.00021	-.00005	-.00142	.03494	.00015	.00019
#2	.00072	.00040	.00198	.00361	.00003	-.00007	-.00439	.05179	.00028	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00042**	**.00404**	**.15641**	**-.00036**	**.00618**	**.00024**	**-.00009**	**.40596**	**.00073**
Stddev	.00002	.00009	.00099	.02222	.00177	.00008	.00009	.00014	.01860	.00035
%RSD	20.240	20.846	24.588	14.205	492.13	1.2360	36.830	159.44	4.5822	47.117
#1	.00012	.00048	.00333	.17212	-.00161	.00613	.00030	-.00018	.39281	.00049
#2	.00009	.00036	.00474	.14070	.00089	.00624	.00018	.00001	.41912	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00208**	**.00012**	**.83689**	**-.00010**	**-.00100**	**.02621**	**.05609**	**.00073**	**.00064**	**-.00107**
Stddev	.00229	.00079	.01546	.00075	.00027	.03577	.07654	.00027	.00024	.00290
%RSD	110.25	650.49	1.8478	715.39	26.512	136.46	136.46	36.665	37.261	269.77
#1	-.00370	.00068	.82596	-.00063	-.00082	.05150	.11021	.00092	.00047	-.00312
#2	-.00046	-.00044	.84783	.00042	-.00119	.00092	.00197	.00054	.00081	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.00024**	**.01718**	**.00060**	**.00331**	**.00197**
Stddev	.00032	.00086	.06382	.00020	.00003	.00046
%RSD	61.058	357.15	371.49	33.461	.86855	23.330
#1	-.00029	.00037	.06231	.00075	.00329	.00229
#2	-.00074	-.00085	-.02795	.00046	.00333	.00164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8310.2**	**113070.**	**6731.4**
Stddev	14.6	103.	48.1
%RSD	.17578	.09088	.71474
#1	8320.6	113140.	6765.5
#2	8299.9	112990.	6697.4

Sample Name: CCVH-2372891 Acquired: 11/11/2013 18:39:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00719**	**51.418**	**.00117**	**.00350**	**.00017**	**-.00010**	**1.0499**	**.02785**	**-.00024**	**-.00032**	**.00017**	**.01212**	**50.872**
Stddev	.00003	.071	.00259	.00001	.00040	.00004	.0030	.00609	.00003	.00015	.00015	.00037	.042
%RSD	.36630	.13839	221.86	.14799	239.69	41.910	.28507	21.868	12.986	44.918	88.982	3.0269	.08316
#1	.00720	51.469	.00300	.00351	-.00012	-.00013	1.0477	.03216	-.00022	-.00043	.00028	.01238	50.842
#2	.00717	51.368	-.00066	.00350	.00045	-.00007	1.0520	.02354	-.00026	-.00022	.00006	.01186	50.902
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20602**	**-.00367**	**.08814**	**.00079**	**-.00013**	**259.68**	**-.00011**	**-.00168**	**.00015**	F **5.9301**	**.00049**	**-.00384**	**.00366**
Stddev	.01880	.00057	.00104	.00002	.00007	.54	.00020	.00050	.00031	.0121	.00161	.00105	.00837
%RSD	9.1237	15.477	1.1790	3.0020	55.483	.20830	180.56	29.991	207.54	.20458	329.71	27.294	228.98
#1	.21931	-.00407	.08887	.00078	-.00018	259.29	-.00025	-.00132	-.00007	5.9215	-.00065	-.00459	-.00226
#2	.19273	-.00326	.08741	.00081	-.00008	260.06	.00003	-.00204	.00036	5.9386	.00163	-.00310	.00957
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00782**	**.00000**	**.00069**	**4.9389**	**-.01264**	**.00213**	F **6.2094**	**.00126**	**.00107**	**.06540**
Stddev	.01791	.00068	.00007	.0041	.00035	.00081	.0141	.00103	.00016	.00312
%RSD	228.98	18327.	9.7145	.08323	2.7742	38.252	.22664	82.300	14.737	4.7740
#1	-.00484	.00048	.00074	4.9418	-.01239	.00270	6.1994	.00053	.00118	.06320
#2	.02049	-.00048	.00065	4.9360	-.01288	.00155	6.2193	.00199	.00096	.06761
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8051.4**	**107260.**	**6674.6**
Stddev	16.3	158.	20.4
%RSD	.20191	.14765	.30543
#1	8039.9	107370.	6660.2
#2	8062.9	107150.	6689.0

Sample Name: CCV-2372889 Acquired: 11/11/2013 18:42:16 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49444**	**.52252**	**.99645**	**.50140**	**.49466**	**.49207**	**-.00365**	**5.0361**	**.49975**	**.50353**	**.50610**	**.49710**	**2.4783**
Stddev	.00065	.00169	.00126	.00312	.00038	.00005	.00141	.0009	.00117	.00093	.00148	.00182	.0138
%RSD	.13118	.32312	.12653	.62225	.07669	.00938	38.601	.01857	.23385	.18384	.29223	.36667	.55729
#1	.49398	.52372	.99734	.50360	.49440	.49204	-.00465	5.0367	.50058	.50419	.50715	.49582	2.4881
#2	.49490	.52133	.99556	.49919	.49493	.49211	-.00266	5.0354	.49892	.50288	.50505	.49839	2.4686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.112**	**.98410**	**19.580**	**.49171**	**.50997**	**5.3657**	**.50863**	**.99860**	**1.0169**	**.78270**	**.99457**	**.99947**	**4.9320**
Stddev	.000	.00069	.024	.00030	.00029	.0121	.00129	.00178	.0025	.00278	.01251	.00464	.0178
%RSD	.00067	.06971	.12508	.06087	.05666	.22526	.25275	.17808	.24918	.35467	1.2578	.46418	.36031
#1	50.112	.98459	19.563	.49150	.50976	5.3743	.50954	.99986	1.0187	.78074	1.0034	1.0028	4.9194
#2	50.111	.98362	19.597	.49192	.51017	5.3572	.50772	.99735	1.0151	.78466	.98572	.99619	4.9445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.554**	**1.0160**	**.49367**	**-.00422**	**.48813**	**1.0185**	**-.01024**	**.49306**	**.49702**	**.49769**
Stddev	.038	.0106	.00059	.00128	.00042	.0089	.00451	.00111	.00067	.00231
%RSD	.36031	1.0458	.12012	30.423	.08510	.87290	43.980	.22456	.13416	.46436
#1	10.527	1.0235	.49408	-.00331	.48842	1.0248	-.00706	.49227	.49749	.49605
#2	10.581	1.0085	.49325	-.00513	.48784	1.0122	-.01343	.49384	.49655	.49932
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.9**	**110860.**	**6796.2**
Stddev	1.3	52.	33.3
%RSD	.01612	.04702	.48928
#1	8204.0	110890.	6772.7
#2	8205.9	110820.	6819.8

Sample Name: CCB Acquired: 11/11/2013 18:44:24 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00278**	**.00184**	**.00264**	**.00000**	**.00006**	**.00056**	**.01121**	**-.00036**	**.00015**	**-.00007**
Stddev	.00010	.00026	.00122	.00079	.00035	.00002	.00009	.00535	.00015	.00019	.00002
%RSD	21.570	9.4667	66.520	29.828	40172.	36.836	15.958	47.727	40.053	131.09	33.065
#1	.00052	-.00259	.00271	.00319	.00025	.00008	.00062	.00743	-.00047	.00028	-.00005
#2	.00038	-.00296	.00097	.00208	-.00024	.00004	.00049	.01499	-.00026	.00001	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00238**	**.04468**	W **-.00335**	**.00397**	**.00007**	**.00012**	F **.22636**	**.00050**	**-.00257**	**.00036**
Stddev	.00003	.00262	.05701	.00138	.00095	.00007	.00001	.00121	.00005	.00169	.00083
%RSD	60.382	110.16	127.60	41.374	23.882	94.781	10.148	.53352	10.155	65.614	232.26
#1	-.00003	.00423	.00437	-.00237	.00464	.00002	.00011	.22550	.00046	-.00138	.00094
#2	-.00007	.00053	.08500	-.00433	.00330	.00012	.00013	.22721	.00054	-.00376	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.77571**	F **.00852**	**.00171**	**.00121**	**.00259**	**.00120**	W **.00047**	**.00211**	W **-.00062**	**.00098**	**-.00762**
Stddev	.00008	.00027	.00450	.01136	.02432	.00003	.00003	.00074	.00022	.00122	.01490
%RSD	.01089	3.1149	262.55	938.84	938.84	2.6421	6.9744	34.892	35.196	124.84	195.63
#1	.77577	.00834	-.00147	-.00683	-.01461	.00118	.00045	.00263	-.00077	.00011	-.01816
#2	.77565	.00871	.00489	.00925	.01979	.00122	.00049	.00159	-.00046	.00184	.00292
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.20000	.00628					.00030		.00060		
Low Limit	-.20000	-.00628					-.00030		-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00014**	**.00266**	**.00066**
Stddev	.00014	.00022	.00085
%RSD	100.29	8.1324	127.76
#1	.00024	.00251	.00127
#2	.00004	.00282	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.9**	**111540.**	**6709.6**
Stddev	4.9	177.	13.2
%RSD	.06028	.15829	.19622
#1	8199.3	111410.	6700.3
#2	8192.4	111660.	6718.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 18:46:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01075**	**.10907**	**.01816**	**.10276**	**.01130**	**.00115**	**.12894**	F **.31396**	**.00520**	**.01127**	**.01059**	**.01626**	**.12221**
Stddev	.00045	.00013	.00136	.00087	.00141	.00024	.00169	.13989	.00016	.00024	.00012	.00026	.02310
%RSD	4.2291	.11669	7.4695	.84619	12.478	20.648	1.3074	44.556	3.1373	2.1531	1.1761	1.5998	18.902
#1	.01043	.10898	.01720	.10337	.01229	.00132	.12775	.41287	.00531	.01110	.01068	.01645	.13854
#2	.01107	.10916	.01912	.10214	.01030	.00098	.13014	.21504	.00508	.01145	.01050	.01608	.10587
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000					
Range								30.000%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2352**	**.00917**	**.21431**	**.01054**	**.02073**	F **1.9668**	**.04370**	**3.0039**	**.00985**	**.71850**	**.00929**	**.01388**	**.52519**
Stddev	.0383	.00073	.00021	.00002	.00003	.9751	.00028	.0028	.00032	.00464	.00094	.00143	.02108
%RSD	1.1841	7.9222	.09646	.19045	.15322	49.579	.65020	.09437	3.2517	.64557	10.150	10.319	4.0138
#1	3.2623	.00968	.21417	.01052	.02075	2.6563	.04350	3.0059	.01008	.71522	.00996	.01490	.54010
#2	3.2082	.00865	.21446	.01055	.02071	1.2773	.04390	3.0019	.00963	.72178	.00863	.01287	.51029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1239**	**.10670**	F **.01492**	**.01494**	**.00961**	**.01660**	**.06256**	**.01028**	**.02353**	**.01917**
Stddev	.0451	.00088	.00575	.00128	.00017	.00059	.02326	.00003	.00038	.00059
%RSD	4.0138	.82189	38.551	8.5742	1.7440	3.5423	37.180	.26433	1.6205	3.0520
#1	1.1558	.10608	.01899	.01403	.00949	.01702	.07901	.01026	.02380	.01959
#2	1.0920	.10732	.01086	.01584	.00973	.01618	.04611	.01030	.02326	.01876
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value			.01000							
Range			30.000%							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8395.5**	**113770.**	**6780.3**
Stddev	11.7	100.	45.7
%RSD	.13993	.08823	.67364
#1	8387.2	113700.	6748.0
#2	8403.9	113840.	6812.6

Sample Name: mb 280-199600/1-a Acquired: 11/11/2013 18:48:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00400**	**.00062**	**.00929**	**.00016**	**.00000**	**.00114**	**.04899**	**.00011**	**.00020**
Stddev	.00016	.00015	.00034	.00005	.00040	.0001	.00152	.00049	.00015	.00004
%RSD	179.64	3.8713	55.338	.55413	254.43	1706.4	133.51	.99639	130.61	18.231
#1	-.00002	.00389	.00087	.00932	-.00013	-.00006	.00006	.04864	.00001	.00023
#2	.00020	.00411	.00038	.00925	.00044	.00005	.00221	.04933	.00022	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00048**	**.01423**	**.12196**	**.00022**	**.00868**	**.00032**	**-.00001**	**.25699**	**.00061**
Stddev	.00002	.00029	.00288	.03465	.00200	.00223	.00001	.00013	.00587	.00008
%RSD	6.5387	60.104	20.248	28.408	924.04	25.679	3.1766	2269.8	2.2849	13.134
#1	.00033	.00068	.01627	.14646	.00163	.00710	.00033	-.00010	.25283	.00066
#2	.00036	.00028	.01220	.09746	-.00120	.01025	.00031	.00009	.26114	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00089**	**.00014**	F **.72490**	**-.00102**	**-.00094**	**.05441**	**.11644**	**.00359**	**.00020**	**.00024**
Stddev	.00048	.00022	.00171	.00160	.00065	.01138	.02434	.00016	.00004	.00057
%RSD	54.218	156.18	.23531	156.72	69.185	20.906	20.906	4.5641	21.682	236.73
#1	-.00124	-.00001	.72370	-.00215	-.00140	.06246	.13366	.00370	.00023	-.00016
#2	-.00055	.00029	.72611	.00011	-.00048	.04637	.09923	.00347	.00017	.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00025**	**.00155**	**-.00010**	**.00393**	**.00323**
Stddev	.00020	.00120	.00117	.00012	.00013	.00042
%RSD	252.90	481.22	75.513	119.79	3.2494	13.092
#1	-.00022	-.00060	.00237	-.00002	.00384	.00293
#2	.00006	.00110	.00072	-.00018	.00402	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8471.9**	**115410.**	**6888.6**
Stddev	.9	238.	45.9
%RSD	.01035	.20617	.66668
#1	8471.3	115250.	6856.1
#2	8472.6	115580.	6921.0

Sample Name: lcs 280-199600/2-a Acquired: 11/11/2013 18:51:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04753**	**1.9318**	**.94722**	F **1.1247**	**1.9134**	**.04692**	**2.1315**	**46.589**	**.10024**	**.47176**
Stddev	.00066	.0001	.00383	.0000	.0169	.00059	.0012	.436	.00054	.00044
%RSD	1.3956	.00584	.40382	.00032	.88057	1.2498	.05758	.93530	.53505	.09227
#1	.04800	1.9319	.94451	1.1247	1.9015	.04651	2.1306	46.281	.09986	.47207
#2	.04706	1.9317	.94992	1.1247	1.9253	.04734	2.1323	46.898	.10062	.47145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19440**	**.24510**	**.94251**	**48.529**	**.95326**	**46.591**	**.46904**	**.97149**	**50.443**	**.47591**
Stddev	.00031	.00174	.00058	.443	.00593	.111	.00023	.00131	.261	.00040
%RSD	.16011	.71024	.06108	.91375	.62251	.23927	.04917	.13480	.51734	.08377
#1	.19462	.24387	.94211	48.216	.94906	46.670	.46921	.97242	50.627	.47619
#2	.19418	.24633	.94292	48.843	.95745	46.513	.46888	.97057	50.258	.47563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.6904**	**.46957**	**.73790**	**.46283**	**1.8640**	**1.6675**	**3.5685**	**1.9141**	**.95121**	**.94756**
Stddev	.0017	.00182	.00358	.00146	.0168	.0017	.0037	.0162	.00816	.00573
%RSD	.01796	.38755	.48527	.31471	.89977	.10316	.10316	.84604	.85758	.60451
#1	9.6892	.47085	.74043	.46386	1.8759	1.6688	3.5711	1.9255	.94544	.95161
#2	9.6917	.46828	.73536	.46180	1.8521	1.6663	3.5659	1.9026	.95698	.94351
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94978**	**1.8454**	**2.0577**	**.47883**	**.46955**	**.49425**
Stddev	.00037	.0163	.0268	.00051	.00267	.00170
%RSD	.03895	.88095	1.3005	.10606	.56769	.34407
#1	.94952	1.8569	2.0388	.47919	.47143	.49304
#2	.95005	1.8339	2.0766	.47847	.46766	.49545
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.9**	**108320.**	**6799.5**
Stddev	16.9	376.	75.3
%RSD	.20978	.34754	1.1079
#1	8065.9	108060.	6852.8
#2	8089.8	108590.	6746.3

Sample Name: 280-48651-a-1-a Acquired: 11/11/2013 18:53:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**65.198**	**.00569**	**.01867**	**.16849**	**.00193**	**-.01153**	**4.7320**	**.00226**	**.02481**
Stddev	.00019	.127	.00044	.00002	.00028	.00006	.00311	.0054	.00012	.00001
%RSD	117.03	.19521	7.7655	.08514	.16913	2.9927	26.980	.11431	5.2883	.04740
#1	.00030	65.108	.00538	.01866	.16829	.00197	-.01373	4.7282	.00234	.02480
#2	.00003	65.288	.00600	.01868	.16870	.00189	-.00933	4.7358	.00217	.02482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06247**	**.04302**	**70.631**	**7.4997**	**.12279**	**19.950**	**.55851**	**.00062**	**.32736**	**.08299**
Stddev	.00036	.00062	.191	.0499	.00040	.043	.00068	.00025	.00266	.00032
%RSD	.57071	1.4316	.26992	.66524	.32514	.21370	.12250	39.974	.81244	.37973
#1	.06272	.04258	70.496	7.5350	.12307	19.980	.55900	.00045	.32924	.08322
#2	.06222	.04345	70.766	7.4645	.12250	19.920	.55803	.00080	.32548	.08277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1103**	**.05724**	**1.4012**	**-.00164**	**.00199**	**3.1614**	**6.7654**	**.00598**	**.02294**	**.01321**
Stddev	.0009	.00067	.0050	.00020	.00189	.0093	.0199	.00001	.00023	.00330
%RSD	.04323	1.1748	.35452	11.980	95.014	.29429	.29429	.17258	.99623	25.010
#1	2.1109	.05677	1.3977	-.00178	.00065	3.1680	6.7795	.00598	.02277	.01554
#2	2.1096	.05772	1.4047	-.00150	.00333	3.1548	6.7513	.00599	.02310	.01087
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30757**	**.00030**	W **-.07807**	**.07675**	**.92365**	**.01143**
Stddev	.00169	.00086	.02241	.00022	.00467	.00057
%RSD	.54832	289.54	28.703	.28663	.50541	5.0002
#1	.30638	-.00031	-.09392	.07690	.92695	.01184
#2	.30876	.00090	-.06223	.07659	.92035	.01103
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8686.2**	**114170.**	**7206.4**
Stddev	5.6	356.	28.3
%RSD	.06443	.31193	.39211
#1	8690.2	113920.	7186.4
#2	8682.3	114420.	7226.4

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/11/2013 18:55:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**13.497**	**.00249**	**.00581**	**.03449**	**.00042**	**-.00101**	**.99287**	**.00046**	**.00545**
Stddev	.00022	.029	.00142	.00038	.00027	.00000	.00057	.01034	.00006	.00002
%RSD	148.42	.21508	57.036	6.5744	.76975	.14217	56.750	1.0416	12.500	.45889
#1	-.00031	13.477	.00148	.00609	.03430	.00042	-.00141	.98556	.00042	.00547
#2	.00001	13.518	.00349	.00554	.03468	.00042	-.00060	1.0002	.00050	.00543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01291**	**.00879**	**13.828**	**1.5806**	**.02385**	**4.0676**	**.11397**	**.00017**	**.13506**	**.01746**
Stddev	.00017	.00037	.049	.0215	.00090	.0141	.00038	.00005	.00544	.00015
%RSD	1.3098	4.2153	.35715	1.3610	3.7588	.34552	.33572	31.849	4.0305	.84988
#1	.01279	.00853	13.793	1.5654	.02321	4.0776	.11424	.00020	.13121	.01735
#2	.01303	.00905	13.863	1.5958	.02448	4.0577	.11370	.00013	.13891	.01756
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42517**	**.01256**	**.82233**	**-.00035**	**.00316**	**.67065**	**1.4352**	**.00364**	**.00504**	**.00319**
Stddev	.00037	.00064	.00744	.00220	.00263	.01217	.0261	.00021	.00002	.00003
%RSD	.08659	5.1136	.90523	633.08	83.103	1.8150	1.8150	5.6844	.47972	1.0041
#1	.42491	.01302	.81707	.00121	.00130	.66204	1.4168	.00350	.00503	.00317
#2	.42543	.01211	.82759	-.00190	.00502	.67926	1.4536	.00379	.00506	.00321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06145**	**.00017**	**-.01257**	**.01511**	**.19049**	**.00443**
Stddev	.00299	.00055	.01626	.00089	.00032	.00002
%RSD	4.8651	317.73	129.41	5.8825	.16875	.46934
#1	.05933	.00056	-.02407	.01448	.19072	.00442
#2	.06356	-.00021	-.00107	.01574	.19027	.00444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8531.0**	**114130.**	**6874.3**
Stddev	10.7	443.	7.3
%RSD	.12495	.38858	.10626
#1	8538.6	113820.	6879.4
#2	8523.5	114440.	6869.1

Sample Name: 280-48651-a-1-b ms Acquired: 11/11/2013 18:57:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04722	105.91	.91477	.93357	2.1100	.04747	F 2.0402	49.250	.09968	.47558
Stddev	.00036	.62	.00273	.00021	.0116	.00030	.0010	.321	.00002	.00133
%RSD	.75918	.58154	.29817	.02236	.54811	.64138	.04861	.65084	.02368	.27952
#1	.04696	105.48	.91284	.93342	2.1018	.04725	2.0395	49.023	.09970	.47652
#2	.04747	106.35	.91670	.93372	2.1182	.04768	2.0409	49.477	.09966	.47464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28282	.28816	76.998	66.735	1.0736	70.103	1.0335	.91438	49.067	.53828
Stddev	.00014	.00115	.503	.195	.0063	.202	.0021	.00073	.289	.00027
%RSD	.04907	.39758	.65265	.29229	.58659	.28875	.19895	.08037	.58897	.05058
#1	.28292	.28735	76.643	66.597	1.0692	69.960	1.0320	.91490	48.863	.53847
#2	.28272	.28897	77.353	66.873	1.0781	70.246	1.0349	.91386	49.271	.53808
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.199	.48720	1.5001	.25335	1.7764	6.5233	13.960	1.7432	.96108	.89185
Stddev	.004	.00080	.0006	.00035	.0063	.0327	.070	.0002	.00569	.00171
%RSD	.03946	.16318	.03711	.13956	.35584	.50175	.50175	.00923	.59177	.19175
#1	11.196	.48776	1.4997	.25360	1.7720	6.5002	13.910	1.7433	.95706	.89064
#2	11.202	.48664	1.5005	.25310	1.7809	6.5465	14.009	1.7431	.96510	.89306
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3987	1.7122	1.9332	.61820	1.3198	.39778
Stddev	.0043	.0033	.0114	.00167	.0048	.00179
%RSD	.30523	.19099	.58813	.27026	.36657	.45084
#1	1.4017	1.7145	1.9251	.61702	1.3164	.39651
#2	1.3957	1.7099	1.9412	.61939	1.3233	.39905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8379.3	110570.	7168.0
Stddev	8.2	144.	5.4
%RSD	.09812	.13024	.07550
#1	8385.1	110470.	7171.8
#2	8373.5	110680.	7164.2

Sample Name: 280-48651-a-1-c msd Acquired: 11/11/2013 18:59:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04726**	**97.457**	**.91588**	**.93972**	**2.1019**	**.04794**	F **2.0479**	**49.346**	**.09976**	**.47291**
Stddev	.00018	.711	.00146	.00010	.0159	.00014	.0011	.356	.00020	.00081
%RSD	.38476	.72992	.15950	.01052	.75439	.28279	.05373	.72082	.19772	.17163
#1	.04739	96.954	.91484	.93979	2.0907	.04785	2.0472	49.094	.09989	.47349
#2	.04713	97.960	.91691	.93965	2.1131	.04804	2.0487	49.597	.09962	.47234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27380**	**.28061**	**65.818**	**65.565**	**1.0750**	**67.329**	**.96882**	**.92001**	**49.490**	**.52685**
Stddev	.00030	.00106	.495	.557	.0106	.043	.00029	.00084	.765	.00018
%RSD	.10852	.37836	.75233	.84939	.98273	.06439	.03005	.09132	1.5457	.03402
#1	.27401	.28137	65.468	65.171	1.0675	67.298	.96902	.92060	48.949	.52698
#2	.27359	.27986	66.168	65.959	1.0825	67.359	.96861	.91941	50.031	.52672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.896**	**.47147**	**1.4198**	**.26189**	**1.7941**	**6.0287**	**12.901**	**1.7529**	**.96488**	**.88452**
Stddev	.009	.00135	.0054	.00145	.0016	.0503	.108	.0012	.00572	.00024
%RSD	.08585	.28690	.37769	.55538	.09065	.83519	.83519	.06775	.59271	.02665
#1	10.902	.47243	1.4236	.26292	1.7952	5.9931	12.825	1.7537	.96084	.88469
#2	10.889	.47051	1.4160	.26087	1.7929	6.0643	12.978	1.7520	.96893	.88436
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3984**	**1.7266**	**1.9255**	**.60281**	**1.1896**	**.41364**
Stddev	.0058	.0068	.0179	.00240	.0046	.00317
%RSD	.41470	.39446	.93070	.39782	.38287	.76594
#1	1.4025	1.7314	1.9382	.60111	1.1863	.41140
#2	1.3943	1.7218	1.9129	.60450	1.1928	.41588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8423.9**	**110310.**	**7107.6**
Stddev	16.6	501.	106.6
%RSD	.19746	.45415	1.4998
#1	8435.7	110660.	7183.0
#2	8412.2	109950.	7032.2

Sample Name: 280-48651-a-1-aPDS Acquired: 11/11/2013 19:02:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04848**	**64.871**	**.19287**	**.10977**	**.26005**	**.04823**	**-.01191**	**23.375**	**.05034**	**.07107**
Stddev	.00060	.013	.00245	.00045	.00182	.00003	.00250	.008	.00034	.00006
%RSD	1.2342	.02008	1.2706	.40626	.69843	.06969	20.949	.03621	.66904	.08082
#1	.04891	64.880	.19460	.10946	.25876	.04826	-.01015	23.369	.05010	.07103
#2	.04806	64.861	.19114	.11009	.26133	.04821	-.01368	23.381	.05057	.07111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10905**	**.09205**	**68.761**	**26.748**	**.21628**	**37.904**	**.58625**	**.04785**	**20.307**	**.12722**
Stddev	.00002	.00007	.129	.072	.00058	.135	.00191	.00009	.450	.00003
%RSD	.02064	.07684	.18699	.26999	.26644	.35606	.32501	.19607	2.2144	.02402
#1	.10906	.09210	68.670	26.799	.21587	38.000	.58760	.04779	19.989	.12725
#2	.10903	.09200	68.852	26.697	.21668	37.809	.58490	.04792	20.625	.12720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9652**	**.14602**	**1.3089**	**.09286**	**.18565**	**7.8754**	**16.853**	**.09874**	**.07099**	**.20302**
Stddev	.0026	.00035	.0029	.00059	.00153	.0077	.016	.00003	.00091	.00169
%RSD	.06567	.24023	.21854	.63212	.82223	.09729	.09729	.03049	1.2846	.83175
#1	3.9633	.14577	1.3110	.09244	.18457	7.8700	16.842	.09872	.07163	.20182
#2	3.9670	.14627	1.3069	.09327	.18673	7.8808	16.865	.09876	.07034	.20421
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35437**	**.18392**	**.47172**	**.12281**	**1.0804**	**.06075**
Stddev	.01051	.00108	.00443	.00051	.0028	.00028
%RSD	2.9668	.58684	.93820	.41181	.26310	.46274
#1	.36181	.18469	.47485	.12245	1.0824	.06055
#2	.34694	.18316	.46859	.12316	1.0784	.06095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8552.1**	**113410.**	**7079.1**
Stddev	38.3	79.	8.2
%RSD	.44816	.06961	.11618
#1	8525.0	113350.	7073.3
#2	8579.2	113460.	7084.9

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:04:17 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00753**	**51.287**	**.00199**	**.00358**	**.00075**	**-.00003**	**1.0496**	**.04311**	**-.00018**	**-.00027**	**.00009**	**.01210**	**50.960**
Stddev	.00016	.029	.00112	.00041	.00022	.00004	.0004	.00032	.00016	.00007	.00000	.00036	.296
%RSD	2.0661	.05691	56.155	11.333	29.967	154.66	.04129	.73301	87.058	27.092	1.3285	3.0049	.58138
#1	.00742	51.308	.00120	.00386	.00091	-.00006	1.0493	.04289	-.00029	-.00033	.00009	.01236	50.750
#2	.00764	51.267	.00278	.00329	.00059	.00000	1.0499	.04333	-.00007	-.00022	.00009	.01184	51.169
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14126**	**-.00163**	**.10605**	**.00101**	**-.00019**	**258.75**	**-.00001**	**.00101**	**-.00079**	F **5.7230**	**.00048**	**-.00150**	**.01649**
Stddev	.01097	.00261	.00032	.00006	.00025	.36	.00023	.00184	.00048	.0163	.00208	.00011	.00935
%RSD	7.7628	159.39	.29974	6.3492	135.55	.13801	3848.6	181.93	60.887	.28491	433.32	7.1122	56.694
#1	.13351	.00021	.10582	.00096	-.00001	259.00	.00016	.00231	-.00045	5.7115	-.00099	-.00143	.00988
#2	.14901	-.00348	.10627	.00105	-.00036	258.49	-.00017	-.00029	-.00113	5.7345	.00195	-.00158	.02310
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None	None	None
Value										5.0000			
Range										10.490%			

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03528**	**.00032**	**.00047**	**4.9282**	**-.01203**	**.00087**	F **6.2371**	**.00171**	**.00165**	**.06190**
Stddev	.02000	.00015	.00018	.0010	.00007	.00037	.0041	.00016	.00045	.00143
%RSD	56.694	47.894	37.398	.02084	.54085	41.966	.06618	9.4784	27.276	2.3039
#1	.02114	.00021	.00035	4.9275	-.01208	.00061	6.2401	.00183	.00197	.06089
#2	.04943	.00042	.00059	4.9289	-.01199	.00113	6.2342	.00160	.00133	.06290
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8080.9**	**107140.**	**6709.8**
Stddev	4.0	152.	15.0
%RSD	.04986	.14201	.22286
#1	8078.0	107040.	6720.4
#2	8083.7	107250.	6699.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:06:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49726**	**.52287**	**.99786**	**.50178**	**.49513**	**.49324**	**-.00436**	**5.0462**	**.50014**	**.50440**	**.50543**	**.50128**	**2.5097**
Stddev	.00013	.00035	.00324	.00455	.00217	.00072	.00034	.0052	.00032	.00011	.00017	.00049	.0053
%RSD	.02671	.06746	.32437	.90640	.43768	.14503	7.8665	.10384	.06494	.02254	.03374	.09807	.21147
#1	.49716	.52312	1.0001	.49857	.49360	.49273	-.00460	5.0425	.50037	.50432	.50531	.50163	2.5135
#2	.49735	.52262	.99557	.50500	.49667	.49374	-.00412	5.0499	.49991	.50448	.50555	.50093	2.5060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.301**	**.98591**	**19.802**	**.49694**	**.50912**	**5.2327**	**.51047**	**.99939**	**1.0228**	**.57416**	**.99849**	**1.0044**	**4.9292**
Stddev	.041	.00080	.048	.00077	.00371	.0244	.00420	.00353	.0036	.00140	.00193	.0072	.0445
%RSD	.08229	.08086	.24124	.15492	.72894	.46685	.82215	.35277	.35566	.24452	.19304	.72069	.90208
#1	50.330	.98535	19.768	.49639	.50649	5.2500	.50750	.99690	1.0202	.57515	.99985	1.0095	4.8978
#2	50.272	.98647	19.836	.49748	.51174	5.2154	.51344	1.0019	1.0253	.57316	.99712	.99929	4.9607
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.549**	**1.0167**	**.49395**	**-.00338**	**.49359**	**1.0242**	**-.01022**	**.49987**	**.50331**	**.49813**
Stddev	.095	.0011	.00056	.00040	.00083	.0017	.01371	.00050	.00341	.00472
%RSD	.90208	.10821	.11277	11.931	.16817	.16111	134.20	.09972	.67783	.94817
#1	10.481	1.0175	.49356	-.00310	.49418	1.0254	-.01991	.49952	.50090	.49479
#2	10.616	1.0159	.49435	-.00367	.49301	1.0231	-.00052	.50023	.50572	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8232.4**	**109400.**	**6697.0**
Stddev	10.0	41.	10.7
%RSD	.12097	.03749	.15913
#1	8225.3	109370.	6689.5
#2	8239.4	109430.	6704.5

Sample Name: CCB Acquired: 11/11/2013 19:08:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00302**	**.00065**	**.00174**	**.00011**	**.00008**	**.00129**	**.00381**	**.00010**	**.00029**	**.00009**	**-.00003**
Stddev	.00010	.00042	.00013	.00021	.00007	.00004	.00083	.00032	.00016	.00036	.00001	.00060
%RSD	12.271	14.009	19.584	11.925	61.816	51.322	64.357	8.4349	166.40	125.44	13.249	1864.6
#1	.00089	-.00272	.00073	.00188	.00006	.00011	.00187	.00403	.00021	.00055	.00010	-.00045
#2	.00075	-.00332	.00056	.00159	.00015	.00005	.00070	.00358	-.00002	.00003	.00008	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00951**	**.07636**	**-.00168**	**.00183**	**.00006**	**.00049**	**.05727**	**.00036**	**-.00391**	**.00088**	F **.56075**	F **.00647**
Stddev	.00302	.02767	.00142	.00057	.00008	.00004	.00756	.00007	.00149	.00086	.00167	.00011
%RSD	31.725	36.236	84.573	31.388	129.84	7.1572	13.207	18.458	38.126	97.015	.29766	1.7414
#1	.00738	.09593	-.00068	.00223	.00001	.00047	.05192	.00031	-.00285	.00149	.55957	.00654
#2	.01165	.05680	-.00269	.00142	.00012	.00052	.06262	.00041	-.00496	.00028	.56193	.00639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit											.20000	.00628
Low Limit											-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00178**	**.03271**	**.07000**	**.00049**	**.00017**	**-.00042**	**-.00035**	**-.00050**	**.02508**	**.00015**	**.00302**	W **.00279**
Stddev	.00035	.00406	.00868	.00077	.00006	.00014	.00016	.00138	.03593	.00013	.00010	.00149
%RSD	19.670	12.397	12.397	158.65	38.747	32.783	47.365	273.42	143.23	88.467	3.3256	53.407
#1	.00153	.03558	.07614	.00103	.00021	-.00052	-.00046	-.00148	-.00032	.00025	.00309	.00385
#2	.00202	.02984	.06387	-.00006	.00012	-.00032	-.00023	.00047	.05049	.00006	.00295	.00174
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8257.3**	**111880.**	**6667.7**
Stddev	24.8	747.	75.2
%RSD	.30085	.66746	1.1283
#1	8239.7	111350.	6614.5
#2	8274.8	112410.	6720.9

Sample Name: CCVL-2372865 Acquired: 11/11/2013 19:11:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01071**	**.10813**	**.01685**	**.10093**	**.01040**	**.00096**	**.12257**	**.21633**	**.00516**	**.01114**	**.01061**	**.01577**	**.10518**
Stddev	.00022	.00034	.00192	.00054	.00018	.00001	.00078	.00168	.00025	.00019	.00012	.00001	.00104
%RSD	2.0760	.31303	11.381	.53544	1.7213	1.5050	.63909	.77530	4.8561	1.7269	1.1508	.06417	.98833
#1	.01087	.10789	.01550	.10131	.01027	.00095	.12202	.21515	.00499	.01127	.01052	.01577	.10444
#2	.01055	.10837	.01821	.10055	.01053	.00097	.12313	.21752	.00534	.01100	.01070	.01576	.10591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1604**	**.00755**	**.21102**	**.01047**	**.02052**	**1.1120**	**.04388**	**3.0017**	**.01022**	**.51976**	**.00743**	**.01277**	**.51736**
Stddev	.0228	.00103	.00165	.00000	.00012	.0087	.00008	.0125	.00099	.00033	.00066	.00010	.02254
%RSD	.72245	13.653	.78228	.01137	.60430	.78499	.19257	.41733	9.6598	.06336	8.8745	.74585	4.3566
#1	3.1442	.00828	.20985	.01047	.02043	1.1182	.04382	2.9928	.01092	.51999	.00789	.01284	.50142
#2	3.1765	.00682	.21219	.01047	.02060	1.1058	.04394	3.0106	.00952	.51952	.00696	.01270	.53330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1072**	**.10641**	**.01052**	**.01386**	**.00959**	**.01642**	F **.10820**	**.01046**	**.02314**	**.01794**
Stddev	.0482	.00015	.00022	.00039	.00001	.00024	.01036	.00027	.00010	.00161
%RSD	4.3566	.14167	2.0836	2.8178	.10257	1.4674	9.5780	2.5635	.42437	8.9531
#1	1.0730	.10652	.01037	.01414	.00958	.01659	.11553	.01065	.02321	.01907
#2	1.1413	.10630	.01068	.01358	.00960	.01625	.10087	.01027	.02307	.01680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.0**	**113890.**	**6756.0**
Stddev	11.2	11.	46.4
%RSD	.13399	.01005	.68726
#1	8378.0	113900.	6788.8
#2	8393.9	113880.	6723.2

Sample Name: 280-48651-a-2-a Acquired: 11/11/2013 19:13:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**69.943**	**.00814**	**.01719**	**.14536**	**.00230**	**-.01456**	**4.4738**	**.00084**	**.02775**
Stddev	.00056	.259	.00254	.00004	.00141	.00013	.00114	.0308	.00019	.00014
%RSD	673.21	.37056	31.133	.25201	.96927	5.5342	7.8308	.68897	22.799	.50314
#1	.00031	69.759	.00994	.01716	.14436	.00221	-.01536	4.4520	.00097	.02765
#2	-.00048	70.126	.00635	.01722	.14636	.00239	-.01375	4.4956	.00070	.02785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06665**	**.04736**	**81.517**	**7.5635**	**.12697**	**22.103**	**.59268**	**.00064**	**.32509**	**.09132**
Stddev	.00102	.00006	.280	.0288	.00016	.035	.00066	.00014	.00844	.00049
%RSD	1.5369	.12803	.34380	.38093	.12633	.15976	.11158	22.124	2.5955	.53237
#1	.06592	.04731	81.319	7.5431	.12686	22.078	.59221	.00054	.33105	.09098
#2	.06737	.04740	81.715	7.5838	.12708	22.128	.59315	.00074	.31912	.09167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5321**	**.02213**	**1.4815**	**-.00251**	**-.00129**	**3.0552**	**6.5382**	**.00482**	**.01874**	**.01496**
Stddev	.0168	.00075	.0067	.00048	.00152	.0306	.0654	.00074	.00005	.00091
%RSD	.66162	3.3752	.45303	18.999	118.37	1.0006	1.0006	15.360	.26315	6.0919
#1	2.5203	.02160	1.4767	-.00285	-.00236	3.0336	6.4919	.00534	.01871	.01431
#2	2.5440	.02266	1.4862	-.00218	-.00021	3.0768	6.5844	.00429	.01878	.01560
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39304**	**-.00044**	W **-.05971**	**.09270**	**.29315**	**.01660**
Stddev	.00395	.00022	.00510	.00003	.00064	.00225
%RSD	1.0046	49.829	8.5387	.03269	.21696	13.574
#1	.39583	-.00028	-.06331	.09268	.29360	.01501
#2	.39025	-.00059	-.05610	.09272	.29270	.01820
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8664.1**	**113670.**	**7063.9**
Stddev	10.2	49.	16.4
%RSD	.11743	.04268	.23279
#1	8656.9	113710.	7075.5
#2	8671.2	113640.	7052.3

Sample Name: 280-48651-a-3-a Acquired: 11/11/2013 19:15:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**46.593**	**.00503**	**.01376**	**.09186**	**.00152**	**-.01187**	**2.5802**	**.00088**	**.01667**
Stddev	.00018	.042	.00144	.00110	.00000	.00011	.00001	.0180	.00004	.00008
%RSD	97.074	.08947	28.734	8.0058	.00009	7.5394	.07772	.69908	4.9690	.50787
#1	-.00006	46.563	.00400	.01298	.09186	.00161	-.01188	2.5675	.00091	.01661
#2	-.00030	46.622	.00605	.01453	.09186	.00144	-.01187	2.5930	.00085	.01673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04461**	**.03614**	**51.811**	**5.9941**	**.07919**	**13.654**	**.36771**	**.00036**	**.18198**	**.05542**
Stddev	.00009	.00032	.481	.0017	.00137	.071	.00121	.00011	.01001	.00074
%RSD	.19480	.87321	.92883	.02786	1.7280	.52271	.32933	29.044	5.5032	1.3424
#1	.04455	.03636	51.471	5.9929	.08016	13.604	.36686	.00029	.17490	.05489
#2	.04467	.03591	52.151	5.9953	.07823	13.705	.36857	.00044	.18906	.05594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9961**	**.01996**	**1.0891**	**-.00142**	**.00298**	**3.1764**	**6.7974**	**.00457**	**.01258**	**.00885**
Stddev	.0066	.00058	.0029	.00006	.00194	.1088	.2328	.00017	.00010	.00052
%RSD	.32823	2.9008	.26571	4.2899	65.153	3.4249	3.4249	3.6884	.77689	5.8520
#1	1.9915	.02037	1.0870	-.00147	.00436	3.0994	6.6328	.00445	.01251	.00922
#2	2.0007	.01955	1.0911	-.00138	.00161	3.2533	6.9620	.00469	.01265	.00848
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30237**	**.00025**	**-.04321**	**.05811**	**.24961**	**.01161**
Stddev	.00784	.00083	.00108	.00010	.00151	.00223
%RSD	2.5937	332.76	2.5053	.17707	.60350	19.199
#1	.29682	-.00034	-.04397	.05818	.24855	.01003
#2	.30791	.00084	-.04244	.05803	.25068	.01318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8629.5**	**114370.**	**7050.7**
Stddev	26.7	1572.	34.8
%RSD	.30924	1.3741	.49298
#1	8610.7	115480.	7075.2
#2	8648.4	113260.	7026.1

Sample Name: 280-48651-a-4-a Acquired: 11/11/2013 19:17:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**48.419**	**.00677**	**.01311**	**.11979**	**.00140**	**-.01167**	**3.7872**	**.00167**	**.01660**
Stddev	.00004	.161	.00124	.00008	.00014	.00002	.00310	.0116	.00006	.00023
%RSD	23.590	.33292	18.301	.64822	.11329	1.7422	26.535	.30586	3.3373	1.3793
#1	-.00019	48.305	.00589	.01317	.11970	.00141	-.01386	3.7790	.00171	.01644
#2	-.00013	48.533	.00765	.01305	.11989	.00138	-.00948	3.7954	.00163	.01677
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04204**	**.02189**	**48.096**	**5.3405**	**.08925**	**13.355**	**.35925**	**.00025**	**.18671**	**.05244**
Stddev	.00001	.00027	.292	.0199	.00039	.010	.00025	.00009	.03251	.00061
%RSD	.03221	1.2241	.60767	.37264	.43420	.07722	.07042	36.764	17.414	1.1580
#1	.04205	.02208	47.889	5.3546	.08897	13.363	.35943	.00018	.20970	.05287
#2	.04203	.02170	48.302	5.3264	.08952	13.348	.35907	.00031	.16372	.05201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9473**	**.02961**	**1.1710**	**-.00320**	**-.00149**	**3.2146**	**6.8793**	**.00492**	**.01747**	**.01146**
Stddev	.0037	.00155	.0037	.00184	.00361	.1067	.2283	.00001	.00023	.00178
%RSD	.12719	5.2333	.32053	57.656	242.48	3.3186	3.3186	.13820	1.3151	15.558
#1	2.9446	.02852	1.1684	-.00190	-.00404	3.2900	7.0407	.00492	.01731	.01272
#2	2.9499	.03071	1.1737	-.00450	.00106	3.1392	6.7178	.00491	.01763	.01020
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33882**	**-.00036**	W **-.05938**	**.05489**	**.28363**	**.00749**
Stddev	.00250	.00036	.00079	.00041	.00065	.00154
%RSD	.73874	99.550	1.3327	.74726	.22858	20.596
#1	.33705	-.00061	-.05882	.05518	.28409	.00858
#2	.34059	-.00011	-.05994	.05460	.28317	.00640
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8636.8**	**113520.**	**7045.2**
Stddev	26.4	406.	61.7
%RSD	.30579	.35783	.87602
#1	8618.1	113230.	7001.6
#2	8655.5	113800.	7088.8

Sample Name: 280-48651-a-5-a Acquired: 11/11/2013 19:20:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**47.215**	**.01251**	**.01726**	**.16941**	**.00159**	**-.01487**	**14.337**	**.00398**	**.01876**
Stddev	.00012	.066	.00062	.00020	.00002	.00012	.00292	.001	.00024	.00012
%RSD	120.96	.13960	4.9611	1.1482	.01183	7.8366	19.629	.00438	5.9377	.62962
#1	.00018	47.169	.01208	.01740	.16943	.00168	-.01694	14.338	.00415	.01885
#2	.00001	47.262	.01295	.01712	.16940	.00151	-.01281	14.337	.00381	.01868
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05101**	**.11698**	**71.538**	**6.3064**	**.07413**	**14.011**	**.51648**	**.00117**	**.22548**	**.06620**
Stddev	.00005	.00070	.039	.0043	.00130	.020	.00117	.00008	.00459	.00024
%RSD	.10552	.60067	.05513	.06809	1.7595	.14612	.22705	7.0896	2.0335	.35658
#1	.05098	.11648	71.566	6.3034	.07506	13.997	.51565	.00111	.22873	.06604
#2	.05105	.11748	71.510	6.3095	.07321	14.026	.51731	.00123	.22224	.06637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.5480**	**.21903**	**2.0644**	**-.00149**	**.00296**	**3.7584**	**8.0430**	**.08147**	**.08246**	**.01214**
Stddev	.0012	.00131	.0017	.00105	.00073	.0142	.0305	.00007	.00106	.00191
%RSD	.02175	.59733	.08268	70.132	24.565	.37874	.37874	.08162	1.2797	15.717
#1	5.5471	.21996	2.0656	-.00075	.00244	3.7685	8.0645	.08151	.08321	.01079
#2	5.5488	.21811	2.0632	-.00224	.00347	3.7483	8.0215	.08142	.08172	.01349
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51787**	**.00053**	W **-.08142**	**.07593**	**1.0445**	**.01118**
Stddev	.01020	.00025	.01603	.00005	.0004	.00121
%RSD	1.9704	46.706	19.690	.06867	.04076	10.853
#1	.51065	.00035	-.09276	.07589	1.0442	.01032
#2	.52508	.00070	-.07009	.07596	1.0448	.01203
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8623.4**	**115320.**	**7042.0**
Stddev	22.6	262.	63.0
%RSD	.26232	.22688	.89526
#1	8639.4	115510.	6997.5
#2	8607.4	115140.	7086.6

Sample Name: 280-48486-a-1-e Acquired: 11/11/2013 19:22:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**48.298**	**.03673**	**.01993**	**.22012**	**.00226**	**-.01812**	**110.41**	**.00113**	**.03741**
Stddev	.00040	.009	.00242	.00005	.00061	.00000	.00036	.12	.00012	.00019
%RSD	58.615	.01919	6.5881	.26618	.27568	.19289	2.0042	.11288	10.963	.51369
#1	.00097	48.292	.03502	.01997	.21969	.00227	-.01786	110.32	.00122	.03754
#2	.00040	48.305	.03844	.01990	.22055	.00226	-.01838	110.50	.00104	.03727
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05717**	**.12581**	**104.37**	**7.1285**	**.08866**	**30.166**	**3.8932**	**.00182**	**.32835**	**.08013**
Stddev	.00008	.00011	.56	.0245	.00171	.117	.0405	.00014	.00069	.00007
%RSD	.13234	.08582	.53485	.34378	1.9336	.38863	1.0393	7.5328	.21056	.08344
#1	.05722	.12588	103.97	7.1458	.08987	30.083	3.8646	.00172	.32884	.08017
#2	.05712	.12573	104.76	7.1112	.08745	30.249	3.9218	.00191	.32786	.08008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2772**	**.04608**	**1.1942**	**-.00243**	**-.00267**	**3.2546**	**6.9648**	**.00389**	**.17285**	**.02230**
Stddev	.0017	.00096	.0069	.00209	.00093	.0403	.0862	.00012	.00083	.00164
%RSD	.05020	2.0790	.58141	85.925	34.796	1.2377	1.2377	3.1158	.47877	7.3524
#1	3.2760	.04676	1.1991	-.00095	-.00333	3.2831	7.0257	.00397	.17227	.02346
#2	3.2783	.04540	1.1893	-.00391	-.00202	3.2261	6.9038	.00380	.17344	.02114
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21462**	**-.00251**	F **-.13567**	**.08570**	**.27177**	**.01876**
Stddev	.00359	.00184	.05438	.00029	.00072	.00062
%RSD	1.6711	73.395	40.087	.33349	.26471	3.3043
#1	.21208	-.00381	-.17412	.08550	.27126	.01833
#2	.21715	-.00121	-.09721	.08591	.27228	.01920
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8629.3**	**114510.**	**7224.3**
Stddev	4.1	658.	.3
%RSD	.04725	.57468	.00468
#1	8626.5	114980.	7224.6
#2	8632.2	114050.	7224.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:24:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00732**	**51.162**	**-.00002**	**.00098**	**.00006**	**-.00009**	W **1.0534**	**.03892**	**-.00004**	**-.00032**	**-.00002**	**.01199**
Stddev	.00001	.188	.00195	.00006	.00019	.00000	.0059	.00023	.00005	.00001	.00016	.00031
%RSD	.11880	.36726	9651.1	6.2682	339.78	4.4522	.55617	.59292	115.90	2.5761	694.27	2.5697
#1	.00731	51.295	-.00140	.00094	-.00008	-.00009	1.0575	.03909	-.00008	-.00032	-.00013	.01220
#2	.00732	51.030	.00136	.00103	.00020	-.00010	1.0492	.03876	-.00001	-.00033	.00009	.01177
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.607**	**.06813**	**-.00226**	**.08821**	**.00131**	**-.00024**	**259.60**	**-.00030**	**-.00080**	**.00141**	F **5.5510**	**.00114**
Stddev	.087	.00547	.00270	.00107	.00006	.00015	.86	.00024	.00096	.00029	.0393	.00041
%RSD	.17121	8.0307	119.12	1.2136	4.8104	63.931	.33311	79.884	119.35	20.590	.70874	36.010
#1	50.546	.06426	-.00417	.08897	.00135	-.00013	260.22	-.00047	-.00148	.00121	5.5788	.00085
#2	50.669	.07200	-.00036	.08746	.00127	-.00035	258.99	-.00013	-.00013	.00162	5.5232	.00144
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00290**	**.01964**	**.04203**	**.00007**	**.00023**	**4.9310**	**-.01273**	**.00245**	F **6.2369**	**.00135**	**.00107**	**.06147**
Stddev	.00234	.01246	.02667	.00010	.00008	.0022	.00027	.00048	.0271	.00003	.00030	.00023
%RSD	80.644	63.472	63.472	147.85	33.263	.04356	2.1170	19.481	.43508	2.0671	28.425	.37435
#1	-.00125	.01082	.02316	.00000	.00018	4.9325	-.01254	.00211	6.2177	.00133	.00085	.06130
#2	-.00455	.02845	.06089	.00014	.00029	4.9295	-.01292	.00278	6.2561	.00137	.00129	.06163
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8084.2**	**106300.**	**6605.1**
Stddev	15.2	283.	.6
%RSD	.18770	.26629	.00882
#1	8094.9	106500.	6604.7
#2	8073.5	106100.	6605.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:26:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49915**	**.53156**	**1.0012**	**.50021**	**.50211**	**.49807**	**-.00021**	**5.1005**	**.50145**	**.50610**	**.50763**	**.50323**	**2.5247**
Stddev	.00085	.00038	.0001	.00081	.00047	.00034	.00297	.0175	.00072	.00047	.00052	.00115	.0026
%RSD	.16977	.07221	.01279	.16241	.09323	.06736	1423.6	.34263	.14435	.09300	.10271	.22946	.10382
#1	.49975	.53183	1.0013	.49963	.50244	.49831	-.00231	5.1129	.50094	.50644	.50726	.50241	2.5265
#2	.49856	.53129	1.0011	.50078	.50177	.49783	.00189	5.0882	.50196	.50577	.50800	.50405	2.5228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.068**	**1.0038**	**19.982**	**.50027**	**.51279**	**5.2224**	**.51167**	**1.0048**	**1.0246**	**.42263**	**1.0017**	**1.0052**	**5.0032**
Stddev	.057	.0064	.047	.00074	.00385	.0358	.00017	.0098	.0103	.00024	.0011	.0050	.0568
%RSD	.11079	.64201	.23332	.14814	.75098	.68557	.03267	.97931	1.0021	.05679	.10565	.50193	1.1344
#1	51.108	1.0084	20.015	.50079	.51007	5.2477	.51156	.99780	1.0173	.42246	1.0009	1.0088	4.9630
#2	51.028	.99924	19.949	.49974	.51551	5.1971	.51179	1.0117	1.0319	.42280	1.0024	1.0017	5.0433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.707**	**1.0267**	**.50118**	**-.00529**	**.49597**	**1.0282**	**.02104**	**.50285**	**.51006**	**.50587**
Stddev	.121	.0021	.00051	.00181	.00010	.0007	.02383	.00220	.00242	.00503
%RSD	1.1344	.20397	.10229	34.248	.02055	.06574	113.27	.43763	.47426	.99434
#1	10.621	1.0252	.50154	-.00401	.49604	1.0277	.00419	.50441	.51177	.50231
#2	10.793	1.0281	.50082	-.00656	.49590	1.0287	.03789	.50130	.50835	.50943
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8238.1**	**109470.**	**6634.7**
Stddev	8.5	434.	28.9
%RSD	.10259	.39626	.43625
#1	8244.1	109160.	6614.2
#2	8232.1	109770.	6655.1

Sample Name: CCB Acquired: 11/11/2013 19:29:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.00011**	**-.00002**	**.00048**	**-.00007**	**-.00005**	**.00110**	**.00592**	**.00016**	**.00027**	**.00006**	**-.00005**	**.00392**
Stddev	.00067	.00061	.00100	.00042	.00003	.00005	.00301	.00358	.00010	.00019	.00006	.00050	.00206
%RSD	153.66	531.03	6508.6	87.311	45.611	113.31	274.11	60.509	60.884	70.911	102.43	1084.9	52.626
#1	.00090	-.00032	.00069	.00018	-.00009	-.00001	.00323	.00846	.00022	.00041	.00002	.00030	.00246
#2	-.00004	.00055	-.00072	.00078	-.00004	-.00009	-.00103	.00339	.00009	.00014	.00010	-.00040	.00538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05567**	**.00054**	**.00263**	**.00020**	**.00042**	**.01481**	**.00045**	**-.00328**	**-.00001**	F **.42918**	F **.00660**	**-.00068**	**-.00599**
Stddev	.03258	.00163	.00047	.00003	.00011	.00293	.00016	.00009	.00016	.00125	.00136	.00388	.00085
%RSD	58.531	298.78	17.834	17.523	25.085	19.748	35.827	2.8783	1453.8	.29051	20.560	573.27	14.131
#1	.07871	.00170	.00296	.00022	.00035	.01275	.00034	-.00322	-.00012	.42830	.00564	-.00342	-.00659
#2	.03263	-.00061	.00230	.00017	.00050	.01688	.00057	-.00335	.00010	.43006	.00756	.00207	-.00539
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit										.20000	.00628		
Low Limit										-.20000	-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01283**	**.00024**	**.00014**	**-.00050**	**-.00037**	**.00081**	**-.01525**	**.00041**	**.00228**	**.00027**
Stddev	.00181	.00013	.00002	.00067	.00008	.00070	.00969	.00005	.00010	.00048
%RSD	14.131	55.866	11.357	133.97	22.364	86.348	63.560	10.927	4.3939	174.79
#1	-.01411	.00014	.00013	-.00003	-.00031	.00130	-.00840	.00038	.00221	.00061
#2	-.01154	.00033	.00015	-.00097	-.00042	.00031	-.02211	.00044	.00235	-.00006
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8249.3**	**111830.**	**6592.4**
Stddev	28.1	446.	17.6
%RSD	.34005	.39911	.26629
#1	8229.4	112150.	6580.0
#2	8269.1	111520.	6604.8

Sample Name: CCVL-2372865 Acquired: 11/11/2013 19:31:17 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01132**	**.11438**	**.01736**	**.10333**	**.01064**	**.00107**	**.12915**	**.22560**	**.00541**	**.01121**	**.01101**	**.01636**	**.11140**	**3.2206**
Stddev	.00008	.00064	.00037	.00042	.00003	.00008	.00300	.00174	.00006	.00026	.00008	.00025	.00200	.0471
%RSD	.72940	.55785	2.1472	.40241	.24849	7.6383	2.3265	.77110	1.1333	2.2764	.70255	1.5185	1.7923	1.4637
#1	.01138	.11393	.01762	.10362	.01066	.00112	.13127	.22437	.00545	.01103	.01106	.01619	.10999	3.2540
#2	.01127	.11484	.01710	.10304	.01062	.00101	.12702	.22683	.00537	.01139	.01095	.01654	.11281	3.1873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00877**	**.22001**	**.01089**	**.02106**	**1.1208**	**.04456**	**3.0802**	**.01009**	**.41131**	**.01154**	**.01310**	**.53860**	**1.1526**	**.11024**
Stddev	.00137	.00124	.00002	.00027	.0021	.00005	.0012	.00220	.00381	.00181	.00104	.01942	.0415	.00038
%RSD	15.614	.56249	.15204	1.2852	.18996	.10546	.04023	21.780	.92649	15.690	7.9654	3.6052	3.6052	.34303
#1	.00974	.21913	.01088	.02087	1.1223	.04453	3.0793	.01165	.40862	.01282	.01236	.52487	1.1232	.11051
#2	.00780	.22088	.01090	.02125	1.1193	.04460	3.0811	.00854	.41401	.01026	.01383	.55233	1.1820	.10997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01072**	**.01692**	**.00995**	**.01744**	**.05893**	**.01085**	**.02452**	**.01745**
Stddev	.00013	.00008	.00016	.00016	.00120	.00038	.00009	.00149
%RSD	1.1696	.49059	1.6223	.92902	2.0394	3.4691	.37025	8.5400
#1	.01063	.01686	.00983	.01756	.05978	.01058	.02458	.01640
#2	.01081	.01698	.01006	.01733	.05808	.01111	.02445	.01851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8408.9**	**113960.**	**6699.6**
Stddev	37.6	212.	17.4
%RSD	.44765	.18634	.25909
#1	8435.5	114110.	6711.9
#2	8382.2	113810.	6687.4

Sample Name: 280-48798-j-1-a Acquired: 11/11/2013 19:33:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199566 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.15791**	**.00457**	**2.2471**	**.03136**	**-.00002**	F **.21023**	**58.645**	**-.00013**	**.00428**
Stddev	.00051	.00017	.00384	.0021	.00000	.00008	.00067	.148	.00006	.00014
%RSD	366.96	.10934	83.840	.09287	.00245	448.63	.31727	.25276	41.605	3.2179
#1	-.00022	.15779	.00186	2.2486	.03136	.00004	.21070	58.540	-.00010	.00418
#2	.00050	.15804	.00729	2.2456	.03136	-.00008	.20976	58.750	-.00017	.00437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32698**	**.13674**	**73.537**	F **699.00**	**.00965**	**4.7844**	**.34376**	**.01362**	RW **1166.9**	**.14118**
Stddev	.00070	.00043	.262	1.00	.00089	.0004	.00037	.00012	5.1	.00091
%RSD	.21550	.31202	.35568	.14342	9.1690	.00919	.10791	.89147	.43675	.64277
#1	.32748	.13704	73.352	698.29	.01028	4.7841	.34350	.01370	1163.3	.14182
#2	.32649	.13644	73.722	699.71	.00903	4.7847	.34402	.01353	1170.5	.14054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				500.00					500.00	
Low Limit				-2.0000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.281**	**.00056**	W **187.03**	**.00581**	**-.00083**	**5.2882**	**11.317**	W **17.896**	**.17602**	**.00049**
Stddev	.003	.00104	.10	.00332	.00127	.0911	.195	.024	.00058	.00008
%RSD	.02816	183.79	.05493	57.156	152.18	1.7219	1.7219	.13481	.33027	16.177
#1	12.279	-.00017	187.10	.00816	.00006	5.2238	11.179	17.879	.17560	.00043
#2	12.283	.00130	186.95	.00346	-.00173	5.3526	11.455	17.914	.17643	.00055
Check ?	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000		180.00					2.0000		
Low Limit	-1.0000		-.15000					-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02113**	**.00050**	**.02358**	**.00306**	**.15493**	**.00445**
Stddev	.00033	.00005	.02146	.00039	.00089	.00175
%RSD	1.5513	10.119	91.043	12.641	.57537	39.248
#1	.02136	.00054	.03875	.00279	.15556	.00322
#2	.02089	.00047	.00840	.00334	.15430	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7438.0**	**96058.**	**6550.0**
Stddev	3.9	120.	.6
%RSD	.05268	.12497	.00924
#1	7440.8	96143.	6550.4
#2	7435.2	95973.	6549.6

Sample Name: 280-48769-a-2-b@100 Acquired: 11/11/2013 19:36:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199517 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00137**	**.22526**	**.00131**	**.00983**	**.00173**	**-.00001**	**-.00029**	**.60387**	**.00008**	**.00017**
Stddev	.00016	.00015	.00064	.00024	.00030	.00009	.00084	.00654	.00016	.00005
%RSD	11.478	.06584	48.756	2.4094	17.055	1601.2	289.98	1.0833	196.90	26.013
#1	.00148	.22516	.00176	.01000	.00194	.00006	.00030	.59925	-.00003	.00014
#2	.00126	.22537	.00086	.00966	.00153	-.00007	-.00088	.60850	.00019	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00090**	**.26731**	**14.198**	**-.00336**	**.16550**	W **15.476**	**-.00102**	**20.141**	**.00145**
Stddev	.00006	.00023	.00240	.023	.00180	.00051	.070	.00003	.507	.00004
%RSD	5.0422	24.907	.89940	.16142	53.487	.30810	.45327	3.2515	2.5182	2.7685
#1	.00123	.00075	.26561	14.214	-.00464	.16586	15.526	-.00104	19.783	.00148
#2	.00114	.00106	.26901	14.182	-.00209	.16514	15.427	-.00099	20.500	.00143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01600**	**.00548**	**41.639**	**-.00008**	**-.00013**	**.28094**	**.60121**	F **37.722**	**.00335**	**.00133**
Stddev	.00068	.00010	.048	.00317	.00186	.00116	.00249	.013	.00014	.00002
%RSD	4.2703	1.8404	.11636	4165.1	1470.3	.41434	.41434	.03326	4.0825	1.7768
#1	.01648	.00541	41.673	-.00232	-.00144	.28012	.59945	37.713	.00325	.00135
#2	.01552	.00555	41.604	.00216	.00119	.28176	.60297	37.731	.00345	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								20.000		
Low Limit								-.10000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00791**	**-.00852**	W **-.07926**	**.00341**	**.01444**	**.00283**
Stddev	.00010	.00034	.01524	.00021	.00048	.00090
%RSD	1.2965	3.9440	19.232	6.1484	3.3232	31.869
#1	.00798	-.00828	-.09004	.00326	.01410	.00347
#2	.00784	-.00876	-.06848	.00356	.01478	.00219
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8182.2**	**109220.**	**6513.9**
Stddev	6.1	400.	50.2
%RSD	.07513	.36598	.77014
#1	8186.5	109500.	6549.4
#2	8177.8	108930.	6478.4

Sample Name: 280-48833-d-1-b Acquired: 11/11/2013 19:38:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**60.538**	**.00752**	**.00590**	**.01809**	**.01028**	**-.01042**	**342.46**	**.06449**	**.25058**
Stddev	.00004	.139	.00397	.00065	.00048	.00009	.00022	7.97	.00010	.00069
%RSD	4.3718	.22988	52.767	11.005	2.6520	.86955	2.1215	2.3264	.15589	.27543
#1	.00081	60.440	.01032	.00544	.01843	.01022	-.01058	348.10	.06442	.25009
#2	.00086	60.636	.00471	.00635	.01776	.01034	-.01026	336.83	.06456	.25107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00602**	W **12.609**	**85.001**	**4.5860**	**.03881**	**41.299**	W **14.924**	**-.00121**	**63.447**	**.27907**
Stddev	.00011	.031	.148	.0577	.00027	.045	.009	.00010	.754	.00021
%RSD	1.8985	.24698	.17404	1.2579	.69431	.11009	.06325	8.7077	1.1889	.07700
#1	.00594	12.587	84.896	4.6268	.03900	41.267	14.917	-.00113	62.913	.27892
#2	.00610	12.631	85.105	4.5452	.03862	41.331	14.930	-.00128	63.980	.27922
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000					10.000			
Low Limit		-.01000					-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00174**	**.06102**	F **520.00**	**-.00127**	**-.00181**	**15.887**	**33.998**	**.00700**	**1.1090**	**.00569**
Stddev	.00127	.00036	1.38	.00241	.00163	.052	.111	.00061	.0055	.00234
%RSD	72.899	.58463	.26485	189.69	89.751	.32608	.32608	8.6889	.49616	41.089
#1	.00264	.06127	519.02	.00043	-.00297	15.850	33.920	.00743	1.1051	.00734
#2	.00084	.06077	520.97	-.00297	-.00066	15.924	34.077	.00657	1.1129	.00404
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00636**	F **-.17955**	**.00227**	**6.9712**	**.00160**
Stddev	.00019	.00021	.04890	.00031	.0124	.00080
%RSD	85.830	3.3795	27.237	13.671	.17820	49.867
#1	-.00009	-.00621	-.21413	.00205	6.9624	.00216
#2	-.00035	-.00651	-.14497	.00249	6.9799	.00103
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8396.8**	**109260.**	**6915.6**
Stddev	55.1	429.	104.4
%RSD	.65653	.39247	1.5100
#1	8357.8	108960.	6841.7
#2	8435.8	109560.	6989.4

Sample Name: 280-48833-d-2-b Acquired: 11/11/2013 19:41:20 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**1.6559**	**-.00225**	**.00832**	**.03408**	**.00002**	**-.00045**	W **643.61**	**.00087**	**.00128**
Stddev	.00011	.0049	.00030	.00031	.00004	.00007	.00220	22.81	.00013	.00005
%RSD	35.893	.29326	13.508	3.7703	.11472	283.02	491.73	3.5437	15.415	3.6234
#1	.00024	1.6525	-.00247	.00809	.03405	-.00002	-.00201	627.48	.00078	.00125
#2	.00040	1.6593	-.00204	.00854	.03411	.00007	.00111	659.73	.00097	.00132
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.01462**	**.00970**	**5.3389**	**.04224**	**20.265**	**1.2451**	**.00242**	**79.527**	**.00307**
Stddev	.00003	.00025	.00388	.0282	.00375	.078	.0022	.00020	.970	.00041
%RSD	172.46	1.7028	40.029	.52876	8.8765	.38480	.18101	8.1696	1.2201	13.292
#1	.00000	.01479	.00695	5.3190	.04489	20.321	1.2467	.00228	80.213	.00278
#2	.00004	.01444	.01244	5.3589	.03959	20.210	1.2435	.00256	78.841	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00236**	**-.00188**	F **568.16**	**-.00082**	**-.00387**	**.17679**	**.37834**	**.00261**	**1.3317**	**-.00107**
Stddev	.00056	.00148	1.42	.00005	.00065	.01992	.04264	.00054	.0060	.00199
%RSD	23.778	78.824	.24989	6.3130	16.741	11.269	11.269	20.817	.44886	186.66
#1	-.00276	-.00292	567.16	-.00078	-.00341	.19088	.40849	.00299	1.3359	.00034
#2	-.00197	-.00083	569.17	-.00085	-.00433	.16271	.34819	.00222	1.3274	-.00248
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00242**	**-.01365**	**.00081**	**.01218**	**.00178**
Stddev	.00046	.00016	.00693	.00014	.00014	.00192
%RSD	79.994	6.7207	50.819	17.920	1.1460	108.18
#1	-.00025	.00254	-.00874	.00071	.01208	.00313
#2	-.00089	.00231	-.01855	.00091	.01227	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7622.2**	**101820.**	**6590.3**
Stddev	10.6	519.	1.6
%RSD	.13897	.50997	.02426
#1	7614.8	101460.	6589.1
#2	7629.7	102190.	6591.4

Sample Name: 280-48833-d-3-b Acquired: 11/11/2013 19:43:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199739 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	W **2.5143**	W **2.6674**	**.00055**	**.00290**	**.02640**	**.00038**	**-.00090**	**75.521**	**.00295**
Stddev	.00019	.0010	.0531	.00106	.00005	.00008	.00006	.00115	.401	.00007
%RSD	83.680	.04056	1.9916	193.26	1.6429	.28852	16.791	128.21	.53103	2.2875
#1	.00009	2.5150	2.6298	-.00020	.00286	.02646	.00034	-.00008	75.238	.00290
#2	.00036	2.5136	2.7049	.00130	.00293	.02635	.00043	-.00171	75.805	.00300
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.5000	500.00							
Low Limit		-.05000	3.2000							

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01522**	**.00014**	**.36147**	**1.1586**	**2.0252**	**.00381**	**7.8001**	**1.3696**	**-.00024**	**8.4533**
Stddev	.00011	.00012	.00027	.0031	.0047	.00220	.0165	.0000	.00033	.0065
%RSD	.74074	81.755	.07539	.26755	.23197	57.630	.21222	.00244	136.36	.07659
#1	.01530	.00022	.36128	1.1564	2.0285	.00226	7.7884	1.3696	-.00001	8.4487
#2	.01514	.00006	.36166	1.1608	2.0218	.00536	7.8118	1.3695	-.00047	8.4579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02224**	**-.00183**	**.00016**	**80.203**	**-.00172**	**-.00232**	**8.2406**	**17.635**	**.00561**	**.30392**
Stddev	.00009	.00056	.00120	.109	.00233	.00168	.0310	.066	.00186	.00161
%RSD	.39582	30.711	751.60	.13597	135.74	72.645	.37607	.37607	33.168	.52873
#1	.02230	-.00143	-.00069	80.281	-.00007	-.00113	8.2187	17.588	.00693	.30279
#2	.02218	-.00222	.00101	80.126	-.00336	-.00351	8.2625	17.682	.00430	.30506
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00040**	**-.00041**	**.00635**	**.00045**	**.54870**	**.00219**
Stddev	.00052	.00002	.00034	.01160	.00013	.00056	.00182
%RSD	97.304	3.8872	84.337	182.62	28.419	.10212	83.141
#1	-.00017	-.00041	-.00016	.01455	.00054	.54909	.00090
#2	-.00090	-.00039	-.00065	-.00185	.00036	.54830	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8321.7**	**111320.**	**6785.9**
Stddev	12.6	159.	25.2
%RSD	.15165	.14301	.37140
#1	8330.6	111200.	6803.7
#2	8312.8	111430.	6768.1

Sample Name: CCVH-2372891 Acquired: 11/11/2013 19:45:57 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00731**	**52.400**	**.00347**	**.00177**	**-.00014**	**-.00003**	W **1.0807**	**.05504**	**-.00018**	**-.00034**	**.00010**	**.01279**
Stddev	.00028	.172	.00177	.00034	.00006	.00001	.0066	.01322	.00029	.00004	.00010	.00025
%RSD	3.8278	.32767	50.943	19.445	47.029	38.056	.61460	24.012	162.93	11.515	95.518	1.9560
#1	.00711	52.521	.00222	.00152	-.00009	-.00002	1.0854	.06438	.00003	-.00031	.00017	.01261
#2	.00751	52.278	.00472	.00201	-.00018	-.00004	1.0760	.04569	-.00039	-.00037	.00003	.01297
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.708**	**.37105**	**-.00020**	**.08590**	**.00147**	**-.00018**	**265.68**	**-.00009**	**-.00220**	**.00061**	F **5.6297**	**.00074**
Stddev	.033	.00195	.00180	.00024	.00002	.00001	.12	.00027	.00085	.00054	.0037	.00092
%RSD	.06443	.52684	901.54	.28243	1.2128	5.1518	.04477	283.21	38.405	89.115	.06655	124.61
#1	51.685	.37244	-.00147	.08573	.00146	-.00017	265.77	.00009	-.00280	.00099	5.6271	.00139
#2	51.732	.36967	.00107	.08607	.00148	-.00018	265.60	-.00028	-.00160	.00022	5.6324	.00009
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00206**	**.01481**	**.03170**	**.00124**	**.00026**	**5.0558**	**-.01346**	**.00178**	F **6.3681**	**.00187**	**.00076**	**.06552**
Stddev	.00296	.01676	.03586	.00041	.00003	.0073	.00001	.00002	.0050	.00046	.00019	.00092
%RSD	143.88	113.12	113.12	32.998	10.546	.14530	.10860	.89846	.07883	24.561	25.028	1.4094
#1	-.00415	.02666	.05705	.00095	.00024	5.0506	-.01345	.00177	6.3716	.00220	.00063	.06617
#2	.00004	.00296	.00634	.00153	.00028	5.0610	-.01347	.00179	6.3645	.00155	.00090	.06487
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8147.4**	**107210.**	**6598.8**
Stddev	46.6	48.	13.9
%RSD	.57159	.04467	.21017
#1	8114.5	107180.	6589.0
#2	8180.3	107250.	6608.6

Sample Name: CCV-2372889 Acquired: 11/11/2013 19:48:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50230**	**.52943**	**.99693**	**.50493**	**.50340**	**.49743**	**-.00255**	**5.1377**	**.50623**	**.50555**	**.50649**	**.50906**	**2.5111**
Stddev	.00129	.00149	.00322	.00063	.00364	.00072	.00017	.0082	.00026	.00022	.00034	.00224	.0022
%RSD	.25666	.28187	.32326	.12485	.72309	.14392	6.6943	.15968	.05156	.04417	.06748	.43912	.08620
#1	.50139	.52838	.99921	.50448	.50083	.49794	-.00267	5.1435	.50641	.50571	.50674	.50748	2.5096
#2	.50321	.53049	.99465	.50537	.50598	.49693	-.00243	5.1319	.50604	.50539	.50625	.51064	2.5127
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.262**	**1.0026**	**19.970**	**.49844**	**.51246**	**5.3094**	**.51029**	**1.0075**	**1.0339**	**.35788**	**1.0129**	**1.0096**	**4.9610**
Stddev	.180	.0043	.025	.00044	.00222	.0012	.00031	.0012	.0003	.00265	.0018	.0024	.0003
%RSD	.35162	.43120	.12578	.08848	.43260	.02279	.06099	.12145	.02444	.73986	.18173	.23788	.00603
#1	51.135	.99956	19.952	.49813	.51090	5.3103	.51051	1.0066	1.0337	.35601	1.0116	1.0079	4.9608
#2	51.389	1.0057	19.987	.49875	.51403	5.3086	.51007	1.0083	1.0341	.35975	1.0142	1.0113	4.9612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.617**	**1.0214**	**.50186**	**-.00518**	**.49695**	**1.0332**	**.02860**	**.49991**	**.50300**	**.50859**
Stddev	.001	.0029	.00348	.00108	.00250	.0069	.01588	.00139	.00099	.00094
%RSD	.00603	.28190	.69427	20.806	.50377	.67051	55.537	.27748	.19612	.18437
#1	10.616	1.0193	.49939	-.00594	.49518	1.0283	.03983	.49893	.50230	.50925
#2	10.617	1.0234	.50432	-.00442	.49872	1.0381	.01737	.50089	.50369	.50793
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8304.7**	**111900.**	**6769.3**
Stddev	22.4	128.	30.7
%RSD	.26970	.11427	.45366
#1	8320.6	112000.	6791.0
#2	8288.9	111810.	6747.6

Sample Name: CCB Acquired: 11/11/2013 19:50:25 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00040**	**.00151**	**.00127**	**.00008**	**.00002**	**.00153**	**.02056**	**.00004**	**.00017**	**.00001**	**-.00009**
Stddev	.00009	.00106	.00038	.00010	.00022	.00016	.00123	.00158	.00013	.00016	.00003	.00097
%RSD	13.018	264.61	25.365	8.2280	291.41	809.60	80.068	7.6924	312.82	92.595	262.16	1057.7
#1	.00076	.00115	.00178	.00135	.00024	-.00009	.00066	.01944	.00013	.00029	-.00001	-.00078
#2	.00063	-.00035	.00124	.00120	-.00008	.00013	.00240	.02168	-.00005	.00006	.00003	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**.14491**	**-.00242**	**.00375**	F **.00082**	**.00028**	W **.10085**	**.00064**	**-.00291**	**-.00016**	F **.36435**	F **.00693**
Stddev	.00170	.02542	.00411	.00209	.00024	.00036	.01261	.00018	.00077	.00068	.00234	.00304
%RSD	72.206	17.542	170.29	55.636	29.275	127.78	12.508	27.665	26.454	432.22	.64290	43.860
#1	.00356	.12693	.00049	.00227	.00065	.00003	.09193	.00076	-.00345	-.00064	.36600	.00478
#2	.00115	.16288	-.00532	.00522	.00099	.00054	.10977	.00051	-.00237	.00032	.36269	.00907
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail
High Limit					.00050		.09160				.20000	.00628
Low Limit					-.00050		-.09160				-.20000	-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.01221**	**.02614**	**.00170**	**.00012**	**.00042**	**-.00037**	**.00027**	**.01166**	**.00022**	**.00299**	**.00162**
Stddev	.00084	.00285	.00609	.00047	.00004	.00035	.00015	.00079	.02320	.00018	.00032	.00287
%RSD	71.952	23.294	23.294	27.907	35.874	83.313	40.426	289.79	199.00	80.707	10.795	177.33
#1	.00057	.01020	.02183	.00136	.00009	.00066	-.00047	.00083	-.00475	.00009	.00276	-.00041
#2	.00175	.01423	.03044	.00203	.00015	.00017	-.00026	-.00029	.02806	.00034	.00322	.00365
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.2**	**111060.**	**6563.7**
Stddev	12.6	948.	11.4
%RSD	.15215	.85326	.17382
#1	8265.1	110390.	6571.8
#2	8247.3	111730.	6555.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 19:52:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01074**	**.11008**	**.01617**	**.10019**	**.01005**	**.00097**	**.11995**	**.23742**	**.00522**	**.01084**	**.01037**	**.01578**	**.10678**	**3.2145**
Stddev	.00006	.00040	.00048	.00064	.00012	.00001	.00103	.00114	.00017	.00024	.00001	.00009	.00154	.0446
%RSD	.56394	.36059	2.9686	.64336	1.2022	1.4953	.86162	.47905	3.2861	2.1826	.10194	.57538	1.4406	1.3871
#1	.01070	.11036	.01650	.09973	.00997	.00096	.11922	.23822	.00509	.01067	.01036	.01571	.10569	3.1829
#2	.01079	.10980	.01583	.10064	.01014	.00098	.12068	.23661	.00534	.01100	.01037	.01584	.10787	3.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00777**	**.21202**	**.01068**	**.02022**	**1.1272**	**.04238**	**2.9614**	**.00873**	**.33442**	**.01050**	**.01385**	**.51379**	**1.0995**	**.10670**
Stddev	.00468	.00126	.00003	.00002	.0025	.00019	.0038	.00004	.00182	.00126	.00177	.00106	.0023	.00104
%RSD	60.185	.59220	.27644	.12035	.22405	.44332	.12955	.41588	.54506	12.018	12.761	.20667	.20667	.97308
#1	.01108	.21291	.01066	.02023	1.1290	.04252	2.9641	.00870	.33313	.01139	.01260	.51304	1.0979	.10596
#2	.00446	.21113	.01070	.02020	1.1254	.04225	2.9586	.00876	.33571	.00961	.01510	.51454	1.1011	.10743
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.01535**	**.00964**	**.01673**	**.06101**	**.01020**	**.02477**	**.01689**
Stddev	.00014	.00040	.00037	.00104	.05480	.00027	.00041	.00102
%RSD	1.3460	2.6169	3.8700	6.2176	89.825	2.6066	1.6400	6.0660
#1	.01028	.01564	.00990	.01600	.09976	.01001	.02506	.01761
#2	.01047	.01507	.00938	.01747	.02226	.01039	.02449	.01616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.8**	**112090.**	**6571.9**
Stddev	11.3	242.	71.1
%RSD	.13612	.21560	1.0823
#1	8327.7	111920.	6622.2
#2	8343.8	112260.	6521.6

Sample Name: mb 280-199795/1-a Acquired: 11/11/2013 19:54:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.01810**	**.00202**	**.00059**	**.00002**	**.00006**	**.00024**	**.05819**	**.00002**	**.00028**
Stddev	.00047	.01771	.00234	.00004	.00060	.00002	.00033	.00156	.00002	.00004
%RSD	92.083	97.830	115.66	7.0752	3887.7	41.760	139.04	2.6733	74.210	13.337
#1	.00018	.03062	.00367	.00062	.00044	.00008	.00047	.05709	.00004	.00025
#2	.00084	.00558	.00037	.00056	-.00041	.00004	.00000	.05929	.00001	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00070**	**.01807**	**.09051**	**-.00252**	**.00726**	**.00072**	**.00015**	**.10302**	**.00054**
Stddev	.00018	.00029	.00007	.08921	.00011	.00159	.00029	.00014	.01043	.00006
%RSD	128.14	41.869	.40434	98.563	4.4500	21.895	39.925	95.287	10.120	11.643
#1	.00027	.00049	.01812	.15359	-.00260	.00614	.00052	.00025	.09564	.00059
#2	.00001	.00090	.01802	.02743	-.00244	.00839	.00092	.00005	.11039	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**-.00036**	**F .40679**	**-.00141**	**-.00192**	**.01202**	**.02572**	**.00709**	**.00007**	**-.00085**
Stddev	.00338	.00063	.12670	.00087	.00391	.00882	.01887	.00320	.00002	.00300
%RSD	521.05	174.07	31.147	61.939	203.38	73.380	73.380	45.129	32.202	352.12
#1	.00174	-.00080	.49638	-.00079	.00084	.00578	.01237	.00936	.00006	.00127
#2	-.00303	.00008	.31720	-.00203	-.00468	.01825	.03906	.00483	.00009	-.00297
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00038**	**.01904**	**.00000**	**.00392**	**.00273**
Stddev	.00019	.00196	.03476	.00003	.00011	.00004
%RSD	103.28	508.34	182.54	860.27	2.7543	1.5682
#1	-.00033	.00177	-.00554	-.00002	.00384	.00269
#2	-.00005	-.00100	.04362	.00002	.00399	.00276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8469.3**	**114200.**	**6680.1**
Stddev	13.5	251.	31.5
%RSD	.15985	.21991	.47199
#1	8478.9	114030.	6657.8
#2	8459.8	114380.	6702.4

Sample Name: lcs 280-199795/2-a Acquired: 11/11/2013 19:57:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04693**	**1.8350**	**.90783**	**.90373**	**1.8736**	**.04605**	**2.0632**	**45.682**	**.09677**	**.45457**
Stddev	.00021	.0020	.00161	.00199	.0081	.00037	.0083	.287	.00004	.00036
%RSD	.44910	.11067	.17724	.22071	.43109	.81381	.40301	.62740	.04205	.07905
#1	.04678	1.8336	.90669	.90515	1.8679	.04578	2.0691	45.479	.09680	.45432
#2	.04708	1.8365	.90897	.90232	1.8793	.04631	2.0573	45.885	.09675	.45482
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18673**	**.23577**	**.93878**	**47.837**	**.93302**	**45.313**	**.45299**	**.93545**	**49.732**	**.45785**
Stddev	.00022	.00072	.00571	.193	.00424	.001	.00012	.00186	.023	.00073
%RSD	.11921	.30490	.60853	.40381	.45446	.00283	.02540	.19840	.04640	.15854
#1	.18657	.23526	.93474	47.701	.93002	45.314	.45307	.93676	49.716	.45837
#2	.18689	.23628	.94282	47.974	.93602	45.312	.45291	.93413	49.748	.45734
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.3159**	**.45318**	**2.1805**	**.43477**	**1.7887**	**1.4403**	**3.0823**	**1.8426**	**.93204**	**.91259**
Stddev	.0180	.00091	.0009	.00288	.0078	.0067	.0144	.0008	.00527	.00220
%RSD	.19331	.20004	.04279	.66200	.43467	.46579	.46579	.04558	.56567	.24080
#1	9.3286	.45254	2.1812	.43680	1.7942	1.4451	3.0924	1.8432	.92831	.91103
#2	9.3031	.45382	2.1799	.43273	1.7832	1.4356	3.0721	1.8420	.93576	.91414
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.91476**	**1.7859**	**1.9974**	**.46193**	**.45650**	**.48101**
Stddev	.00083	.0000	.0446	.00015	.00070	.00672
%RSD	.09126	.00066	2.2341	.03163	.15255	1.3968
#1	.91417	1.7858	2.0290	.46183	.45601	.47626
#2	.91535	1.7859	1.9659	.46204	.45699	.48576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.3**	**107540.**	**6574.0**
Stddev	6.7	424.	7.5
%RSD	.08341	.39396	.11480
#1	8024.6	107240.	6568.7
#2	8034.1	107840.	6579.3

Sample Name: 280-48859-a-1-a Acquired: 11/11/2013 19:59:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**46.908**	**.03667**	**.06707**	**.52202**	**.00241**	**-.01593**	**491.52**	**.01463**	**.03618**
Stddev	.00071	.216	.00060	.00032	.00030	.00006	.00405	6.74	.00014	.00009
%RSD	25.274	.46116	1.6230	.48348	.05717	2.4768	25.437	1.3708	.93043	.25489
#1	.00231	47.061	.03625	.06729	.52223	.00246	-.01879	486.75	.01453	.03625
#2	.00332	46.755	.03709	.06684	.52181	.00237	-.01306	496.28	.01473	.03612
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51486**	**.41535**	**97.535**	**9.8848**	**.09621**	**178.83**	**2.7534**	**.00936**	**2.0078**	**.11631**
Stddev	.00058	.00018	.539	.0236	.00054	.07	.0016	.00061	.0061	.00057
%RSD	.11277	.04453	.55272	.23874	.55727	.04138	.05858	6.5668	.30374	.49340
#1	.51445	.41548	97.917	9.9015	.09659	178.78	2.7522	.00893	2.0034	.11590
#2	.51527	.41521	97.154	9.8681	.09584	178.89	2.7545	.00980	2.0121	.11671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6779**	**.68810**	**10.650**	**.00418**	**.00387**	**2.7921**	**5.9752**	**.03790**	**.53316**	**.01848**
Stddev	.0112	.00112	.019	.00055	.00302	.0036	.0077	.00044	.00132	.00207
%RSD	.16790	.16336	.17602	13.089	77.942	.12865	.12865	1.1728	.24750	11.183
#1	6.6700	.68730	10.637	.00380	.00601	2.7947	5.9806	.03821	.53409	.01994
#2	6.6859	.68889	10.663	.00457	.00174	2.7896	5.9697	.03758	.53223	.01702
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1185**	**.00048**	W **-.09756**	**.11847**	**1.7041**	**.04644**
Stddev	.0019	.00129	.01194	.00010	.0047	.00119
%RSD	.17068	266.88	12.235	.08375	.27390	2.5614
#1	1.1199	-.00043	-.10600	.11840	1.7008	.04728
#2	1.1172	.00139	-.08912	.11854	1.7074	.04559
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8072.1**	**104910.**	**6829.0**
Stddev	16.9	340.	18.6
%RSD	.20925	.32360	.27301
#1	8084.1	105150.	6815.8
#2	8060.2	104670.	6842.2

Sample Name: 280-48859-a-2-a Acquired: 11/11/2013 20:01:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**66.924**	**.06404**	**.07922**	**.70278**	**.00378**	**-.02079**	**422.57**	**.03922**	**.04535**
Stddev	.00003	.931	.00185	.00010	.01257	.00005	.00070	4.42	.00006	.00005
%RSD	.23279	1.3916	2.8938	.12757	1.7880	1.4077	3.3600	1.0466	.16287	.11757
#1	.01082	67.583	.06273	.07915	.71167	.00381	-.02129	419.44	.03927	.04539
#2	.01079	66.266	.06535	.07929	.69390	.00374	-.02030	425.70	.03918	.04532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6378**	**.56331**	**126.27**	**13.327**	**.12067**	**170.51**	**3.1362**	**.01215**	**1.6943**	**.17092**
Stddev	.0007	.00173	1.53	.308	.00005	.08	.0066	.00031	.0520	.00048
%RSD	.04542	.30746	1.2147	2.3133	.03937	.04871	.20882	2.5109	3.0681	.28113
#1	1.6373	.56453	127.35	13.545	.12064	170.45	3.1316	.01237	1.7311	.17058
#2	1.6383	.56208	125.18	13.109	.12071	170.57	3.1409	.01194	1.6576	.17126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.3568**	**1.8122**	**13.047**	**.00361**	**.00364**	**3.1951**	**6.8374**	**.07305**	**.55025**	**.02461**
Stddev	.0143	.0017	.027	.00085	.00015	.0471	.1007	.00034	.00912	.00023
%RSD	.15327	.09620	.20893	23.581	4.2272	1.4727	1.4727	.46773	1.6582	.94767
#1	9.3466	1.8110	13.027	.00421	.00353	3.2283	6.9086	.07281	.55671	.02445
#2	9.3669	1.8135	13.066	.00301	.00375	3.1618	6.7662	.07329	.54380	.02478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2606**	**-.00073**	F **-.14578**	**.16120**	**2.9769**	**.05922**
Stddev	.0011	.00163	.04377	.00007	.0004	.00145
%RSD	.09043	223.62	30.022	.04250	.01194	2.4523
#1	1.2614	.00042	-.17673	.16115	2.9766	.06025
#2	1.2597	-.00188	-.11484	.16125	2.9772	.05820
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.9**	**107230.**	**6905.1**
Stddev	29.0	4.	94.2
%RSD	.35349	.00412	1.3644
#1	8176.4	107230.	6838.5
#2	8217.4	107240.	6971.7

Sample Name: 280-48859-a-4-a Acquired: 11/11/2013 20:04:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00180**	**36.309**	**.03005**	**.05864**	**.42388**	**.00190**	**-.01348**	W **612.67**	**.00844**	**.02862**
Stddev	.00001	.281	.00175	.00009	.00221	.00005	.00089	11.38	.00001	.00017
%RSD	.44370	.77262	5.8319	.16079	.52230	2.8065	6.6376	1.8567	.13653	.60029
#1	.00181	36.111	.03129	.05857	.42231	.00186	-.01411	604.62	.00845	.02850
#2	.00180	36.507	.02882	.05870	.42544	.00194	-.01285	620.71	.00843	.02874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55136**	**.15921**	**78.909**	**6.8222**	**.08256**	**191.78**	**2.4542**	**.00386**	**1.4063**	**.08081**
Stddev	.00010	.00061	.475	.0034	.00181	.12	.0125	.00008	.0181	.00030
%RSD	.01818	.38303	.60146	.04954	2.1955	.06278	.51013	1.9536	1.2907	.36851
#1	.55143	.15878	78.573	6.8198	.08128	191.87	2.4453	.00392	1.3935	.08102
#2	.55129	.15964	79.245	6.8246	.08384	191.69	2.4630	.00381	1.4191	.08060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.0850**	**.44883**	**12.071**	**.00481**	**.00436**	**3.3336**	**7.1338**	**.02211**	**.58151**	**.01540**
Stddev	.0053	.00207	.010	.00289	.00169	.0311	.0666	.00028	.00224	.00100
%RSD	.12969	.46056	.08410	60.043	38.681	.93323	.93323	1.2766	.38509	6.5013
#1	4.0813	.44737	12.078	.00277	.00555	3.3556	7.1809	.02191	.57993	.01469
#2	4.0888	.45030	12.063	.00686	.00317	3.3116	7.0868	.02231	.58309	.01611
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1776**	**.00014**	F **-.10458**	**.10109**	**.76103**	**.04218**
Stddev	.0027	.00041	.04750	.00000	.00224	.00117
%RSD	.23014	298.72	45.415	.00239	.29380	2.7633
#1	1.1795	.00043	-.13817	.10109	.76261	.04136
#2	1.1757	-.00015	-.07100	.10109	.75945	.04301
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8106.9**	**105800.**	**6992.2**
Stddev	10.3	198.	39.0
%RSD	.12720	.18668	.55728
#1	8114.2	105660.	7019.8
#2	8099.6	105940.	6964.7

Sample Name: 280-48859-a-6-c Acquired: 11/11/2013 20:06:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00036**	**59.776**	**.01478**	**.08034**	**.70196**	**.00270**	**-.01961**	W **886.29**	**.00292**	**.04161**
Stddev	.00031	.350	.00183	.00139	.00491	.00000	.00278	1.94	.00002	.00018
%RSD	86.700	.58544	12.410	1.7279	.69880	.05906	14.153	.21848	.59788	.42141
#1	-.00014	59.529	.01348	.08132	.69849	.00270	-.01765	887.66	.00293	.04173
#2	-.00058	60.024	.01608	.07936	.70543	.00270	-.02157	884.92	.00291	.04148
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11509**	**.10435**	**124.89**	**11.645**	**.14087**	**198.00**	**5.7328**	**.00277**	**2.0876**	**.09935**
Stddev	.00024	.00030	.41	.022	.00191	.68	.0454	.00009	.0060	.00018
%RSD	.21210	.28915	.32735	.18748	1.3550	.34317	.79235	3.2771	.28767	.18457
#1	.11526	.10457	124.60	11.629	.13952	197.52	5.7007	.00283	2.0918	.09922
#2	.11492	.10414	125.18	11.660	.14222	198.48	5.7649	.00270	2.0834	.09948
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.7881**	**.04428**	**8.7024**	**.00325**	**.00324**	**2.9873**	**6.3928**	**.00820**	**.88622**	**.02676**
Stddev	.0032	.00052	.0119	.00027	.00267	.0121	.0259	.00081	.00676	.00050
%RSD	.06713	1.1717	.13689	8.3142	82.590	.40462	.40462	9.9074	.76232	1.8678
#1	4.7858	.04391	8.7108	.00344	.00135	2.9787	6.3745	.00763	.88144	.02711
#2	4.7903	.04465	8.6940	.00306	.00513	2.9958	6.4111	.00878	.89100	.02641
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4008**	**-.00190**	F **-.13114**	**.14089**	**.35232**	**.07128**
Stddev	.0005	.00035	.01415	.00004	.00157	.00021
%RSD	.03836	18.263	10.788	.02728	.44687	.29068
#1	1.4011	-.00215	-.14115	.14092	.35121	.07142
#2	1.4004	-.00166	-.12114	.14087	.35343	.07113
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8124.2**	**106110.**	**7152.6**
Stddev	7.8	180.	38.8
%RSD	.09582	.17001	.54188
#1	8118.7	105980.	7180.0
#2	8129.7	106230.	7125.2

Sample Name: 280-48859-a-8-a Acquired: 11/11/2013 20:09:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**74.184**	**.01451**	**.09869**	**.58871**	**.00335**	**-.02521**	W **806.08**	**.00231**	**.04845**
Stddev	.00056	.689	.00240	.00034	.00340	.00007	.00045	6.70	.00019	.00008
%RSD	11128.	.92850	16.539	.34314	.57810	2.1678	1.8045	.83100	8.1523	.15785
#1	.00040	73.697	.01281	.09893	.58630	.00330	-.02553	810.82	.00244	.04850
#2	-.00039	74.671	.01620	.09845	.59111	.00341	-.02489	801.34	.00217	.04839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13560**	**.10292**	**126.82**	**16.941**	**.18470**	**233.40**	**5.0955**	**.00240**	**1.7283**	**.12233**
Stddev	.00003	.00001	.96	.057	.00229	2.04	.0655	.00005	.0027	.00014
%RSD	.02205	.00553	.75544	.33533	1.2405	.87356	1.2865	2.2634	.15801	.11230
#1	.13558	.10292	127.49	16.901	.18308	231.96	5.1419	.00243	1.7263	.12243
#2	.13562	.10291	126.14	16.981	.18632	234.84	5.0492	.00236	1.7302	.12223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3225**	**.04801**	**5.5426**	**.00278**	**.00031**	**3.4850**	**7.4579**	**.00731**	**.77210**	**.02893**
Stddev	.0050	.00007	.0092	.00147	.00042	.0099	.0211	.00034	.00416	.00169
%RSD	.11484	.15149	.16572	52.690	135.95	.28323	.28323	4.7040	.53935	5.8508
#1	4.3190	.04806	5.5490	.00382	.00061	3.4920	7.4728	.00707	.76916	.02773
#2	4.3260	.04796	5.5361	.00175	.00001	3.4780	7.4429	.00755	.77505	.03012
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8153**	**-.00166**	F **-.13000**	**.15756**	**.32927**	**.10377**
Stddev	.0011	.00179	.04666	.00056	.00250	.00121
%RSD	.06029	107.61	35.892	.35367	.76053	1.1665
#1	1.8160	-.00293	-.09701	.15795	.33104	.10463
#2	1.8145	-.00040	-.16299	.15717	.32750	.10292
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8100.6**	**106660.**	**7160.2**
Stddev	18.3	205.	49.7
%RSD	.22583	.19254	.69441
#1	8113.6	106510.	7195.3
#2	8087.7	106800.	7125.0

Sample Name: 280-48859-a-12-a Acquired: 11/11/2013 20:11:41 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00242**	**49.322**	**.03570**	**.07111**	**.43442**	**.00245**	**-.02037**	**411.81**	**.01133**	**.03636**
Stddev	.00004	.425	.00165	.00056	.00399	.00005	.00170	1.28	.00012	.00011
%RSD	1.5943	.86171	4.6101	.78893	.91890	2.0961	8.3478	.31155	1.1036	.30873
#1	.00244	49.022	.03453	.07151	.43160	.00242	-.01917	410.90	.01141	.03644
#2	.00239	49.623	.03686	.07071	.43724	.00249	-.02157	412.71	.01124	.03628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36280**	**.49156**	**126.22**	**10.579**	**.09734**	**180.59**	**2.2353**	**.01349**	**1.8336**	**.12153**
Stddev	.00072	.00049	1.50	.107	.00221	.42	.0061	.00004	.0050	.00068
%RSD	.19943	.10023	1.1893	1.0118	2.2704	.23494	.27384	.29469	.27123	.56286
#1	.36229	.49191	125.15	10.503	.09578	180.29	2.2396	.01352	1.8301	.12201
#2	.36331	.49121	127.28	10.655	.09890	180.89	2.2310	.01346	1.8371	.12105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.1463**	**.69920**	**13.613**	**.00288**	**.00226**	**3.1195**	**6.6758**	**.03580**	**.44567**	**.02195**
Stddev	.0005	.00031	.003	.00027	.00317	.0146	.0312	.00024	.00385	.00330
%RSD	.00889	.04380	.02404	9.2834	140.33	.46796	.46796	.67170	.86366	15.039
#1	5.1460	.69941	13.611	.00307	.00450	3.1298	6.6979	.03563	.44295	.02428
#2	5.1466	.69898	13.615	.00269	.00002	3.1092	6.6537	.03597	.44839	.01962
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0758**	**-.00024**	F **-.11578**	**.12485**	**1.7226**	**.04814**
Stddev	.0012	.00081	.01364	.00070	.0024	.00014
%RSD	.10692	334.51	11.782	.55672	.13810	.29315
#1	1.0750	.00033	-.12543	.12534	1.7243	.04804
#2	1.0766	-.00081	-.10614	.12436	1.7209	.04824
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8179.4**	**107220.**	**7129.3**
Stddev	27.0	2.	89.4
%RSD	.33030	.00224	1.2547
#1	8198.5	107220.	7192.5
#2	8160.3	107220.	7066.0

Sample Name: CCVH-2372891 Acquired: 11/11/2013 20:14:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00750**	**52.079**	**.00430**	**.00109**	**.00002**	**-.00009**	W **1.0775**	**.07617**	**-.00022**	**-.00010**	**-.00003**	**.01193**
Stddev	.00048	.014	.00005	.00000	.00009	.00001	.0012	.01982	.00009	.00002	.00003	.00039
%RSD	6.3519	.02667	1.2483	.07689	428.42	16.876	.11055	26.026	41.258	22.123	96.168	3.2946
#1	.00716	52.089	.00434	.00110	-.00004	-.00010	1.0766	.06216	-.00016	-.00012	-.00001	.01221
#2	.00784	52.069	.00426	.00109	.00009	-.00008	1.0783	.09019	-.00029	-.00009	-.00005	.01165
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.678**	**.05157**	**-.00090**	**.10179**	**.00108**	**-.00018**	**263.37**	**-.00025**	**-.00175**	**-.00053**	W **5.3995**	**-.00035**
Stddev	.198	.02657	.00072	.00268	.00004	.00016	.86	.00002	.00083	.00002	.0087	.00200
%RSD	.39124	51.530	79.986	2.6286	3.3797	85.790	.32601	8.9676	47.253	3.0094	.16049	574.00
#1	50.818	.07036	-.00141	.10368	.00105	-.00029	262.76	-.00023	-.00117	-.00054	5.4056	.00107
#2	50.537	.03278	-.00039	.09990	.00110	-.00007	263.98	-.00027	-.00234	-.00052	5.3934	-.00176
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00546**	**-.00629**	**-.01347**	**.00048**	**.00034**	**5.0014**	**-.01239**	**.00074**	F **6.3219**	**.00143**	**.00107**	**.06255**
Stddev	.00299	.00092	.00196	.00086	.00008	.0188	.00022	.00021	.0362	.00004	.00015	.00113
%RSD	54.857	14.570	14.570	177.29	23.827	.37629	1.7986	28.684	.57225	2.5699	13.560	1.8027
#1	-.00757	-.00694	-.01485	-.00012	.00029	4.9881	-.01255	.00059	6.2963	.00140	.00118	.06334
#2	-.00334	-.00564	-.01208	.00109	.00040	5.0147	-.01223	.00089	6.3475	.00145	.00097	.06175
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8082.4**	**107150.**	**6588.9**
Stddev	2.5	380.	3.7
%RSD	.03139	.35457	.05646
#1	8084.2	106880.	6591.5
#2	8080.6	107420.	6586.2

Sample Name: CCV-2372889 Acquired: 11/11/2013 20:16:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50363**	**.54557**	**.99972**	**.50610**	**.50457**	**.49536**	**-.00318**	**5.1604**	**.50794**	**.50805**	**.50778**	**.50899**	**2.5164**
Stddev	.00049	.00166	.00159	.00116	.00173	.00404	.00157	.0201	.00041	.00114	.00039	.00060	.0121
%RSD	.09685	.30498	.15947	.22895	.34234	.81460	49.300	.38963	.08014	.22372	.07632	.11757	.48245
#1	.50397	.54674	.99859	.50528	.50335	.49250	-.00429	5.1462	.50766	.50885	.50805	.50856	2.5078
#2	.50328	.54439	1.0008	.50692	.50580	.49821	-.00207	5.1746	.50823	.50725	.50750	.50941	2.5250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.376**	**1.0013**	**20.059**	**.49891**	**.50993**	**5.2203**	**.51231**	**1.0049**	**1.0310**	**.18535**	**1.0157**	**1.0120**	**4.9789**
Stddev	.135	.0026	.027	.00079	.00165	.0156	.00060	.0017	.0014	.00097	.0001	.0013	.0108
%RSD	.26314	.25517	.13344	.15815	.32369	.29903	.11648	.16841	.13492	.52351	.00943	.13232	.21734
#1	51.280	.99948	20.078	.49946	.51110	5.2093	.51273	1.0037	1.0319	.18466	1.0157	1.0111	4.9865
#2	51.471	1.0031	20.041	.49835	.50877	5.2313	.51188	1.0061	1.0300	.18604	1.0158	1.0130	4.9712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.655**	**1.0301**	**.50266**	**-.00509**	**.49590**	**1.0400**	**-.00488**	**.50418**	**.50663**	**.50238**
Stddev	.023	.0003	.00263	.00150	.00023	.0008	.04075	.00077	.00003	.00030
%RSD	.21734	.02564	.52258	29.403	.04626	.07200	835.65	.15313	.00546	.05962
#1	10.671	1.0299	.50080	-.00403	.49607	1.0406	-.03369	.50473	.50661	.50216
#2	10.638	1.0302	.50452	-.00615	.49574	1.0395	.02394	.50363	.50665	.50259
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8245.8**	**110780.**	**6610.4**
Stddev	16.1	25.	19.1
%RSD	.19491	.02280	.28962
#1	8257.1	110800.	6624.0
#2	8234.4	110760.	6596.9

Sample Name: CCB Acquired: 11/11/2013 20:18:34 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.00050**	W **.00505**	**.00048**	**-.00023**	**.00003**	**.00240**	F **.07577**	**.00003**	**.00026**	**.00005**	**-.00011**
Stddev	.00025	.00193	.00181	.00050	.00021	.00007	.00024	.01059	.00014	.00004	.00000	.00065
%RSD	40.982	386.67	35.754	104.89	90.780	248.40	10.048	13.973	432.55	15.170	4.4575	617.39
#1	.00044	.00186	.00377	.00083	-.00008	.00008	.00257	.08325	.00013	.00023	.00005	-.00057
#2	.00080	-.00086	.00633	.00012	-.00037	-.00002	.00223	.06828	-.00007	.00029	.00005	.00035
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.00441					.06900				
Low Limit			-.00441					-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01602**	**.03000**	**-.00251**	W **.01991**	W **.00042**	**.00015**	**.01996**	**.00024**	**-.00462**	**.00025**	**.18948**	F **.00749**
Stddev	.00127	.00798	.00209	.00166	.00003	.00000	.00452	.00019	.00193	.00039	.00018	.00109
%RSD	7.9015	26.603	83.394	8.3364	7.6713	2.8354	22.660	79.809	41.708	159.27	.09527	14.546
#1	.01512	.03564	-.00398	.02108	.00040	.00015	.01676	.00010	-.00326	.00052	.18961	.00672
#2	.01691	.02436	-.00103	.01873	.00044	.00015	.02316	.00037	-.00598	-.00003	.18935	.00826
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit				.01070	.00025							.00628
Low Limit				-.01070	-.00025							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00926**	**.01981**	**.00104**	**.00011**	**-.00037**	**-.00023**	**-.00026**	**.03464**	**.00026**	**.00277**	**.00118**
Stddev	.00075	.02970	.06355	.00064	.00000	.00070	.00035	.00022	.05250	.00010	.00029	.00178
%RSD	412.67	320.84	320.84	61.833	.52268	188.74	151.10	82.804	151.58	37.027	10.353	150.42
#1	.00035	.03025	.06474	.00059	.00011	.00012	.00002	-.00011	.07176	.00033	.00257	.00244
#2	-.00071	-.01174	-.02513	.00149	.00011	-.00086	-.00048	-.00042	-.00249	.00019	.00298	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8276.2**	**111040.**	**6489.9**
Stddev	50.1	479.	32.5
%RSD	.60533	.43110	.50150
#1	8240.7	110700.	6512.9
#2	8311.6	111380.	6466.9

Sample Name: CCVL2372865 Acquired: 11/11/2013 20:20:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01150**	**.10992**	**.01684**	**.10220**	**.01027**	**.00099**	F **.13066**	**.23686**	**.00531**	**.01136**	**.01080**	**.01586**	**.10920**
Stddev	.00037	.00007	.00160	.00054	.00035	.00006	.00189	.00121	.00002	.00013	.00002	.00003	.00065
%RSD	3.2514	.06489	9.4970	.52562	3.4373	6.0668	1.4475	.51090	.38619	1.1112	.15323	.17475	.59597
#1	.01176	.10997	.01798	.10182	.01002	.00103	.13200	.23600	.00532	.01145	.01079	.01584	.10874
#2	.01123	.10987	.01571	.10258	.01052	.00095	.12932	.23771	.00529	.01127	.01081	.01588	.10966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2184**	**.01148**	**.22017**	**.01073**	**.02096**	**1.1133**	**.04468**	**3.0529**	**.01004**	**.17003**	**.01065**	**.01486**	**.53628**
Stddev	.0135	.00265	.00170	.00002	.00015	.0075	.00007	.0048	.00122	.00195	.00020	.00141	.01609
%RSD	.42003	23.126	.77349	.22127	.72993	.67496	.15763	.15787	12.172	1.1450	1.9095	9.4613	2.9997
#1	3.2279	.01335	.22137	.01074	.02107	1.1186	.04473	3.0495	.00918	.17141	.01079	.01387	.52490
#2	3.2088	.00960	.21897	.01071	.02085	1.1080	.04463	3.0564	.01090	.16866	.01050	.01586	.54765
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1476**	**.10827**	**.01087**	**.01657**	**.00965**	**.01710**	**.06366**	**.01105**	**.02355**	**.01704**
Stddev	.0344	.00023	.00005	.00110	.00016	.00048	.00504	.00002	.00020	.00242
%RSD	2.9997	.21692	.41802	6.6257	1.6896	2.8311	7.9143	.13759	.85226	14.211
#1	1.1233	.10844	.01083	.01580	.00977	.01744	.06723	.01104	.02341	.01533
#2	1.1720	.10811	.01090	.01735	.00954	.01676	.06010	.01106	.02370	.01876
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8467.0**	**113780.**	**6578.8**
Stddev	9.0	159.	90.2
%RSD	.10580	.13986	1.3712
#1	8460.7	113670.	6642.6
#2	8473.3	113900.	6515.0

Sample Name: 280-48859-a-13-c Acquired: 11/11/2013 20:23:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00546**	**71.718**	**.04688**	**.06997**	**.62769**	**.00348**	**-.02024**	**409.36**	**.02009**	**.05259**
Stddev	.00009	.386	.00236	.00043	.00017	.00002	.00065	12.16	.00015	.00002
%RSD	1.5838	.53811	5.0442	.61290	.02745	.66542	3.2210	2.9715	.74667	.04232
#1	.00540	71.991	.04521	.07028	.62781	.00346	-.02070	417.96	.01998	.05258
#2	.00552	71.445	.04855	.06967	.62757	.00350	-.01977	400.76	.02020	.05261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.66745**	**.66077**	**136.22**	**13.117**	**.13761**	**199.20**	**2.9817**	**.01640**	**1.7542**	**.17916**
Stddev	.00045	.00536	.77	.052	.00109	.41	.0047	.00010	.0027	.00006
%RSD	.06688	.81192	.56497	.40029	.79107	.20535	.15815	.61283	.15438	.03421
#1	.66776	.65698	136.77	13.154	.13684	199.49	2.9850	.01647	1.7561	.17920
#2	.66713	.66457	135.68	13.079	.13838	198.91	2.9784	.01633	1.7523	.17912
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.3595**	**1.3283**	**13.446**	**.00342**	**.00267**	**2.7775**	**5.9438**	**.05766**	**.52770**	**.02582**
Stddev	.0249	.0046	.021	.00097	.00120	.0255	.0545	.00145	.00006	.00147
%RSD	.33796	.34945	.15829	28.428	45.006	.91650	.91650	2.5071	.01220	5.6819
#1	7.3771	1.3316	13.461	.00273	.00182	2.7955	5.9823	.05868	.52774	.02686
#2	7.3419	1.3250	13.431	.00411	.00352	2.7595	5.9053	.05663	.52765	.02478
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1599**	**-.00080**	F **-.14013**	**.15740**	**3.0169**	**.05297**
Stddev	.0068	.00016	.02069	.00117	.0180	.00022
%RSD	.58893	19.610	14.765	.74591	.59802	.40771
#1	1.1551	-.00091	-.15476	.15657	3.0041	.05313
#2	1.1648	-.00069	-.12550	.15823	3.0296	.05282
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8275.3**	**107960.**	**7149.6**
Stddev	3.9	304.	297.2
%RSD	.04659	.28170	4.1570
#1	8278.1	108170.	6939.4
#2	8272.6	107740.	7359.8

Sample Name: 280-48859-a-15-c Acquired: 11/11/2013 20:25:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**44.455**	**.01477**	**.07448**	**.52298**	**.00200**	**-.01438**	W **709.79**	**.00413**	**.03226**
Stddev	.00043	.006	.00195	.00064	.00025	.00004	.00068	.80	.00022	.00013
%RSD	116.19	.01352	13.216	.85878	.04768	1.9141	4.7130	.11332	5.2372	.41120
#1	.00067	44.450	.01339	.07403	.52280	.00198	-.01390	710.36	.00429	.03235
#2	.00007	44.459	.01615	.07494	.52316	.00203	-.01486	709.23	.00398	.03216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15768**	**.12363**	**84.814**	**9.0683**	**.10458**	**156.29**	**3.1944**	**.00486**	**1.3696**	**.08340**
Stddev	.00015	.00014	.027	.0460	.00341	1.14	.0203	.00026	.0096	.00000
%RSD	.09800	.11256	.03239	.50685	3.2629	.72725	.63614	5.4252	.70318	.00497
#1	.15757	.12373	84.833	9.0358	.10699	155.49	3.1800	.00505	1.3764	.08340
#2	.15779	.12353	84.795	9.1008	.10217	157.10	3.2088	.00467	1.3628	.08340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.2980**	**.20963**	**16.016**	**.00063**	**-.00004**	**3.5909**	**7.6844**	**.00987**	**.76795**	**.01684**
Stddev	.0016	.00021	.003	.00249	.00064	.0342	.0731	.00001	.00035	.00072
%RSD	.03805	.09894	.01825	392.38	1454.6	.95180	.95180	.06282	.04578	4.2768
#1	4.2991	.20978	16.014	.00239	.00041	3.6150	7.7361	.00987	.76770	.01735
#2	4.2968	.20949	16.018	-.00112	-.00049	3.5667	7.6327	.00988	.76820	.01633
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1209**	**-.00043**	F **-.10374**	**.11387**	**.49242**	**.05337**
Stddev	.0005	.00030	.03859	.00086	.00275	.00011
%RSD	.04093	69.809	37.201	.75360	.55848	.20861
#1	1.1212	-.00022	-.13103	.11326	.49048	.05344
#2	1.1206	-.00064	-.07645	.11447	.49437	.05329
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8044.7**	**105020.**	**6935.5**
Stddev	15.8	281.	5.5
%RSD	.19677	.26795	.07964
#1	8033.5	105220.	6931.6
#2	8055.9	104820.	6939.4

Sample Name: 280-48859-a-17-a Acquired: 11/11/2013 20:28:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**64.250**	**.01709**	**.09550**	**.59491**	**.00291**	**-.02305**	W **774.24**	**.00424**	**.04125**
Stddev	.00039	.087	.00153	.00065	.00080	.00001	.00223	4.22	.00011	.00001
%RSD	55.245	.13507	8.9722	.67620	.13518	.44948	9.6733	.54522	2.6453	.02430
#1	.00043	64.311	.01818	.09505	.59434	.00291	-.02463	771.25	.00432	.04125
#2	.00097	64.188	.01601	.09596	.59548	.00292	-.02147	777.22	.00416	.04126
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19358**	**.12731**	**120.22**	**13.833**	**.14569**	**200.16**	**5.0775**	**.00424**	**1.5470**	**.10462**
Stddev	.00021	.00032	.27	.033	.00037	2.22	.0161	.00011	.0083	.00048
%RSD	.11018	.24776	.22044	.23547	.25257	1.1080	.31761	2.6845	.53920	.45994
#1	.19373	.12709	120.41	13.856	.14595	198.59	5.0889	.00416	1.5411	.10496
#2	.19343	.12754	120.04	13.810	.14543	201.73	5.0661	.00432	1.5529	.10428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4069**	**.18744**	**10.599**	**.00220**	**-.00186**	**3.5979**	**7.6994**	**.01144**	**.83378**	**.02909**
Stddev	.0088	.00074	.010	.00153	.00143	.0187	.0400	.00005	.00183	.00172
%RSD	.19863	.39336	.09864	69.343	76.938	.51935	.51935	.44814	.21949	5.9030
#1	4.4131	.18796	10.591	.00328	-.00287	3.5847	7.6712	.01148	.83508	.03030
#2	4.4007	.18692	10.606	.00112	-.00085	3.6111	7.7277	.01141	.83249	.02787
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5745**	**-.00297**	F **-.17267**	**.14758**	**.52567**	**.07770**
Stddev	.0015	.00061	.00124	.00020	.00056	.00268
%RSD	.09841	20.496	.71957	.13834	.10658	3.4499
#1	1.5734	-.00254	-.17179	.14743	.52527	.07581
#2	1.5756	-.00340	-.17355	.14772	.52606	.07960
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8052.8**	**105260.**	**6991.7**
Stddev	10.4	158.	35.9
%RSD	.12924	.14969	.51286
#1	8060.2	105150.	6966.3
#2	8045.5	105380.	7017.0

Sample Name: 280-48859-a-17-aSD@5 Acquired: 11/11/2013 20:30:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**13.360**	**.00679**	**.02030**	**.12394**	**.00056**	**-.00405**	**169.17**	**.00111**	**.00910**
Stddev	.00014	.067	.00008	.00012	.00053	.00006	.00467	.63	.00001	.00012
%RSD	20.847	.49853	1.1553	.59051	.43045	9.9925	115.56	.36976	1.1921	1.2944
#1	.00056	13.313	.00674	.02039	.12357	.00052	-.00074	168.72	.00112	.00902
#2	.00075	13.407	.00685	.02022	.12432	.00060	-.00735	169.61	.00110	.00919
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04090**	**.02644**	**25.127**	**2.7869**	**.02866**	**42.119**	**1.0820**	**.00063**	**.31687**	**.02317**
Stddev	.00006	.00009	.116	.0334	.00361	.097	.0007	.00021	.00367	.00017
%RSD	.15378	.35570	.46125	1.1985	12.584	.23061	.06149	33.601	1.1592	.73201
#1	.04085	.02651	25.045	2.7633	.02611	42.187	1.0815	.00048	.31427	.02305
#2	.04094	.02637	25.209	2.8105	.03121	42.050	1.0825	.00077	.31947	.02329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.88855**	**.04134**	**2.2585**	**-.00115**	**-.00228**	**.74947**	**1.6039**	**.00453**	**.17332**	**.00641**
Stddev	.00239	.00006	.0066	.00247	.00092	.00504	.0108	.00046	.00070	.00265
%RSD	.26880	.14643	.29377	214.63	40.344	.67221	.67221	10.241	.40613	41.305
#1	.89024	.04130	2.2538	.00059	-.00163	.75303	1.6115	.00420	.17282	.00454
#2	.88686	.04138	2.2632	-.00289	-.00293	.74591	1.5962	.00486	.17381	.00828
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32288**	**-.00001**	**-.02167**	**.03080**	**.11842**	**.01656**
Stddev	.00018	.00011	.01473	.00062	.00037	.00035
%RSD	.05727	1987.2	67.974	1.9998	.31172	2.1271
#1	.32301	.00007	-.01125	.03036	.11868	.01681
#2	.32275	-.00008	-.03208	.03123	.11816	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8257.9**	**108950.**	**6717.1**
Stddev	14.1	127.	3.3
%RSD	.17129	.11630	.04974
#1	8267.9	108860.	6719.4
#2	8247.9	109030.	6714.7

Sample Name: 280-48859-a-17-b ms Acquired: 11/11/2013 20:32:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04883	110.48	.92574	1.0331	2.5985	.04806	F 1.9693	W 833.18	.10012	.45734
Stddev	.00054	.63	.00279	.0004	.0105	.00019	.0044	2.99	.00036	.00044
%RSD	1.0993	.56782	.30154	.03350	.40309	.38733	.22118	.35854	.36375	.09526
#1	.04845	110.03	.92377	1.0328	2.5911	.04792	1.9662	831.07	.09987	.45703
#2	.04921	110.92	.92771	1.0333	2.6059	.04819	1.9724	835.30	.10038	.45764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.40590	.37079	127.21	78.756	1.1118	243.38	5.5001	.88440	53.143	.52321
Stddev	.00098	.00069	.05	.333	.0033	1.65	.0116	.00198	.403	.00087
%RSD	.24066	.18480	.03784	.42249	.29476	.67635	.21014	.22433	.75770	.16638
#1	.40521	.37030	127.17	78.521	1.1095	242.22	5.5082	.88300	52.858	.52260
#2	.40659	.37127	127.24	78.991	1.1141	244.54	5.4919	.88581	53.427	.52383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 13.539	.59124	13.833	.26575	1.7590	5.4296	11.619	1.6694	1.8178	.94693
Stddev	.032	.00159	.021	.00036	.0035	.0201	.043	.0061	.0064	.00290
%RSD	.23957	.26945	.15180	.13533	.19925	.36985	.36985	.36707	.35141	.30615
#1	13.516	.59236	13.818	.26601	1.7565	5.4154	11.589	1.6651	1.8133	.94488
#2	13.562	.59011	13.848	.26550	1.7615	5.4437	11.650	1.6738	1.8223	.94898
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.3666	1.5101	1.8079	.67796	.98587	.56820
Stddev	.0062	.0013	.0385	.00013	.00376	.00468
%RSD	.18351	.08749	2.1298	.01967	.38159	.82427
#1	3.3622	1.5110	1.8351	.67805	.98321	.56489
#2	3.3709	1.5091	1.7806	.67787	.98853	.57151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8012.0	104070.	6938.2
Stddev	2.6	443.	2.2
%RSD	.03277	.42586	.03118
#1	8010.2	104390.	6936.6
#2	8013.9	103760.	6939.7

Sample Name: 280-48859-a-17-c msd Acquired: 11/11/2013 20:35:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04958**	**106.73**	**.93326**	**1.0276**	**2.5965**	**.04849**	F **1.9888**	W **842.74**	**.10086**	**.45862**
Stddev	.00054	.20	.00329	.0020	.0098	.00026	.0032	19.11	.00012	.00006
%RSD	1.0809	.18760	.35207	.19865	.37670	.54576	.16239	2.2679	.12038	.01210
#1	.04920	106.87	.93094	1.0290	2.6034	.04868	1.9911	829.23	.10078	.45866
#2	.04996	106.59	.93558	1.0261	2.5896	.04830	1.9865	856.26	.10095	.45858
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41383**	**.37372**	**126.25**	**77.941**	**1.1168**	**245.91**	**5.4206**	**.88212**	**53.563**	**.52797**
Stddev	.00063	.00174	.57	.238	.0074	.59	.0004	.00470	.352	.00179
%RSD	.15238	.46484	.44962	.30523	.66109	.23998	.00775	.53323	.65745	.33910
#1	.41428	.37495	126.65	78.109	1.1220	245.49	5.4203	.88545	53.812	.52924
#2	.41339	.37249	125.85	77.773	1.1116	246.33	5.4209	.87879	53.314	.52671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.634**	**.61412**	**13.564**	**.27055**	**1.7760**	**5.6520**	**12.095**	**1.6693**	**1.8210**	**.95105**
Stddev	.018	.00284	.051	.00316	.0021	.1244	.266	.0064	.0079	.00062
%RSD	.13228	.46174	.37537	1.1697	.11609	2.2015	2.2015	.38534	.43482	.06497
#1	13.646	.61612	13.528	.27279	1.7775	5.7400	12.284	1.6739	1.8266	.95148
#2	13.621	.61211	13.600	.26831	1.7745	5.5641	11.907	1.6648	1.8154	.95061
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2934**	**1.5277**	**1.7790**	**.67296**	**.98270**	**.56097**
Stddev	.0022	.0018	.0025	.00134	.00229	.00191
%RSD	.06651	.11893	.14235	.19986	.23304	.34051
#1	3.2949	1.5264	1.7772	.67391	.98432	.56232
#2	3.2918	1.5290	1.7808	.67201	.98108	.55962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8029.1**	**104380.**	**6963.1**
Stddev	37.9	75.	57.2
%RSD	.47194	.07187	.82215
#1	8002.4	104430.	7003.6
#2	8055.9	104330.	6922.7

Sample Name: 280-48859-a-19-a Acquired: 11/11/2013 20:37:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**69.158**	**.01578**	**.09390**	**.54227**	**.00315**	**-.02100**	W **782.21**	**.00221**	**.04411**
Stddev	.00031	.621	.00024	.00044	.00786	.00008	.00360	14.38	.00006	.00026
%RSD	392.29	.89743	1.5259	.46892	1.4495	2.5024	17.164	1.8387	2.6237	.60067
#1	.00014	69.596	.01595	.09421	.54783	.00321	-.01845	772.04	.00217	.04429
#2	-.00030	68.719	.01561	.09359	.53671	.00309	-.02355	792.38	.00225	.04392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12498**	**.09557**	**115.41**	**16.081**	**.17698**	**223.03**	**4.3712**	**.00335**	**1.5746**	**.11339**
Stddev	.00051	.00077	.49	.127	.00110	1.70	.0021	.00012	.0298	.00003
%RSD	.41003	.81021	.42602	.78987	.62208	.76022	.04788	3.4915	1.8953	.03071
#1	.12534	.09612	115.75	16.171	.17776	224.23	4.3697	.00327	1.5957	.11336
#2	.12462	.09502	115.06	15.991	.17620	221.84	4.3727	.00343	1.5535	.11341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9645**	**.04167**	**5.3411**	**.00362**	**-.00092**	**4.1409**	**8.8616**	**.00804**	**.75620**	**.02906**
Stddev	.0133	.00147	.0188	.00046	.00102	.0075	.0160	.00005	.00917	.00094
%RSD	.33640	3.5284	.35115	12.601	110.34	.18090	.18090	.63853	1.2128	3.2272
#1	3.9739	.04064	5.3544	.00330	-.00165	4.1356	8.8502	.00801	.76268	.02839
#2	3.9551	.04271	5.3278	.00394	-.00020	4.1462	8.8729	.00808	.74971	.02972
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7768**	**-.00132**	F **-.10940**	**.15295**	**.30078**	**.10035**
Stddev	.0058	.00017	.03521	.00071	.00126	.00177
%RSD	.32680	12.951	32.187	.46489	.41941	1.7643
#1	1.7809	-.00144	-.08450	.15345	.30167	.10160
#2	1.7727	-.00120	-.13430	.15245	.29988	.09910
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8069.8**	**105330.**	**6969.2**
Stddev	24.0	4.	70.9
%RSD	.29795	.00347	1.0179
#1	8086.8	105330.	6919.1
#2	8052.8	105320.	7019.4

Sample Name: CCVH-2372891 Acquired: 11/11/2013 20:39:56 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**51.938**	**.00208**	**.00211**	**.00029**	**-.00005**	W **1.0794**	**.20151**	**-.00025**	**-.00022**	**.00005**	**.01178**
Stddev	.00020	.375	.00155	.00030	.00024	.00002	.0012	.00241	.00010	.00003	.00002	.00029
%RSD	2.6003	.72188	74.552	14.402	83.284	43.628	.11291	1.1973	39.576	13.209	35.138	2.4460
#1	.00749	51.673	.00317	.00233	.00012	-.00006	1.0785	.20322	-.00032	-.00024	.00006	.01198
#2	.00777	52.204	.00098	.00190	.00045	-.00003	1.0802	.19981	-.00018	-.00020	.00004	.01158
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.685**	**.05496**	**-.00122**	**.12558**	**.00165**	**.00005**	**263.09**	**-.00030**	**.00056**	**.00135**	W **5.3313**	**-.00005**
Stddev	.318	.03286	.00054	.00358	.00005	.00003	1.38	.00007	.00100	.00038	.0053	.00305
%RSD	.62785	59.783	44.383	2.8518	3.0074	55.882	.52547	21.919	179.45	27.997	.10038	6050.0
#1	50.460	.07820	-.00084	.12811	.00169	.00003	262.11	-.00034	-.00015	.00161	5.3351	.00211
#2	50.910	.03173	-.00160	.12305	.00162	.00007	264.07	-.00025	.00127	.00108	5.3275	-.00221
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00480**	**.01018**	**.02178**	**.00059**	**.00050**	**5.0182**	**-.01180**	**.00068**	F **6.3002**	**.00132**	**.00088**	**.06146**
Stddev	.00004	.00026	.00055	.00011	.00009	.0140	.00025	.00132	.0043	.00028	.00013	.00047
%RSD	.83255	2.5397	2.5397	18.527	17.730	.27909	2.1575	194.54	.06901	20.942	14.494	.75915
#1	-.00483	.00999	.02138	.00051	.00044	5.0083	-.01162	.00161	6.2972	.00151	.00079	.06113
#2	-.00477	.01036	.02217	.00066	.00056	5.0281	-.01198	-.00025	6.3033	.00112	.00097	.06179
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8190.6**	**108280.**	**6732.5**
Stddev	14.9	563.	80.3
%RSD	.18196	.51982	1.1924
#1	8201.1	108670.	6789.3
#2	8180.0	107880.	6675.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 20:42:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50896**	**.54115**	**1.0098**	**.51208**	**.50643**	**.49616**	**-.00362**	**5.1552**	**.51067**	**.50972**	**.51055**	**.51403**	**2.5025**
Stddev	.00131	.00017	.0023	.00438	.00347	.00345	.00279	.0467	.00030	.00084	.00044	.00130	.0224
%RSD	.25809	.03130	.22649	.85513	.68472	.69546	77.229	.90523	.05912	.16393	.08629	.25205	.89519
#1	.50803	.54127	1.0114	.51517	.50398	.49372	-.00164	5.1222	.51046	.50913	.51024	.51311	2.4867
#2	.50989	.54103	1.0082	.50898	.50888	.49860	-.00559	5.1882	.51088	.51031	.51086	.51495	2.5184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.499**	**1.0037**	**20.167**	**.50219**	**.51423**	**5.2026**	**.51384**	**1.0164**	**1.0401**	**.11710**	**1.0220**	**1.0264**	**4.9427**
Stddev	.347	.0072	.069	.00019	.00360	.0253	.00005	.0057	.0021	.00073	.0020	.0029	.0855
%RSD	.67466	.71293	.33964	.03832	.69950	.48552	.00948	.56329	.20443	.61999	.19989	.28117	1.7300
#1	51.254	.99864	20.119	.50205	.51677	5.1847	.51380	1.0204	1.0416	.11761	1.0205	1.0243	4.8823
#2	51.745	1.0088	20.216	.50233	.51168	5.2205	.51387	1.0123	1.0386	.11658	1.0234	1.0284	5.0032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.577**	**1.0366**	**.50399**	**-.00429**	**.49952**	**1.0492**	**-.00607**	**.50490**	**.50957**	**.50394**
Stddev	.183	.0007	.00395	.00049	.00020	.0011	.01485	.00037	.00027	.00893
%RSD	1.7300	.06758	.78449	11.518	.03962	.10645	244.56	.07237	.05345	1.7728
#1	10.448	1.0371	.50119	-.00394	.49966	1.0500	-.01657	.50464	.50938	.49762
#2	10.707	1.0361	.50678	-.00464	.49938	1.0484	.00443	.50516	.50976	.51025
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8342.3**	**111010.**	**6737.6**
Stddev	13.7	446.	33.4
%RSD	.16429	.40171	.49576
#1	8332.7	111320.	6761.2
#2	8352.0	110690.	6713.9

Sample Name: CCB Acquired: 11/11/2013 20:44:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.01534**	**.00149**	**.00090**	**.00040**	**.00006**	**-.00099**	F **.29118**	**.00010**	**.00020**	**.00016**	**-.00003**
Stddev	.00045	.00001	.00101	.00054	.00014	.00006	.00001	.01581	.00005	.00015	.00009	.00051
%RSD	68.969	.06657	67.790	60.318	36.473	98.360	.99868	5.4301	47.807	73.207	57.880	1648.8
#1	.00096	.01535	.00220	.00129	.00029	.00010	-.00099	.30236	.00013	.00030	.00009	.00033
#2	.00033	.01533	.00077	.00052	.00050	.00002	-.00100	.28000	.00007	.00010	.00022	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.06900				
Low Limit								-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.04962**	**.08043**	**-.00092**	F **.06933**	F **.00181**	**.00049**	**.02701**	**.00041**	**-.00249**	**-.00043**	**.12158**	F **.00755**
Stddev	.00472	.01865	.00150	.00200	.00006	.00020	.02195	.00026	.00041	.00072	.00399	.00218
%RSD	9.5106	23.193	161.97	2.8843	3.4884	41.227	81.290	61.705	16.289	167.82	3.2849	28.895
#1	.05296	.09362	.00013	.07074	.00186	.00035	.04253	.00060	-.00221	-.00093	.11875	.00600
#2	.04628	.06724	-.00198	.06791	.00177	.00064	.01148	.00023	-.00278	.00008	.12440	.00909
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit	.03000			.02140	.00050							.00628
Low Limit	-.03000			-.02140	-.00050							-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00241**	**-.00135**	**-.00290**	**.00064**	F **.00053**	**.00090**	**.00043**	**-.00034**	**.01962**	**.00021**	**.00285**	W **.00397**
Stddev	.00078	.00402	.00861	.00028	.00003	.00050	.00006	.00009	.01874	.00016	.00018	.00037
%RSD	32.502	297.08	297.08	44.314	5.6745	54.823	13.624	27.229	95.525	75.900	6.1992	9.2197
#1	.00186	-.00420	-.00899	.00083	.00051	.00125	.00047	-.00041	.03287	.00010	.00298	.00371
#2	.00296	.00149	.00319	.00044	.00055	.00055	.00039	-.00028	.00637	.00033	.00273	.00423
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00050							.00238
Low Limit					-.00050							-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8324.1**	**112540.**	**6612.3**
Stddev	18.9	470.	46.2
%RSD	.22692	.41794	.69840
#1	8310.7	112210.	6579.6
#2	8337.5	112880.	6644.9

Sample Name: CCVL2372865 Acquired: 11/11/2013 20:46:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.12048**	**.01526**	**.10110**	**.01083**	**.00099**	**.12292**	F **.34661**	**.00522**	**.01096**	**.01070**	**.01556**	**.12713**
Stddev	.00041	.00285	.00024	.00009	.00009	.00002	.00044	.00631	.00001	.00013	.00001	.00015	.00464
%RSD	3.7486	2.3662	1.5597	.09135	.84451	2.0629	.35767	1.8191	.15206	1.1470	.05934	.95455	3.6488
#1	.01059	.12250	.01543	.10116	.01076	.00098	.12261	.34215	.00522	.01104	.01070	.01566	.12385
#2	.01117	.11847	.01509	.10103	.01089	.00101	.12324	.35106	.00521	.01087	.01071	.01545	.13041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								.20000					
Range								30.000%					

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1757**	F **.00662**	**.24980**	**.01135**	**.02088**	**1.0942**	**.04324**	**3.0044**	**.00984**	**.12141**	**.01045**	**.01224**	**.52649**
Stddev	.0403	.00064	.00101	.00006	.00002	.0029	.00002	.0059	.00105	.00111	.00050	.00233	.01283
%RSD	1.2673	9.6491	.40512	.54139	.11507	.26607	.04971	.19656	10.715	.91832	4.8244	19.069	2.4365
#1	3.1472	.00617	.25052	.01131	.02090	1.0921	.04325	3.0086	.00909	.12062	.01010	.01389	.53556
#2	3.2041	.00707	.24909	.01139	.02086	1.0962	.04322	3.0002	.01058	.12220	.01081	.01059	.51742
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1267**	**.10767**	**.01063**	**.01441**	**.00993**	**.01614**	F **.09297**	**.01053**	**.02497**	**.01660**
Stddev	.0274	.00010	.00010	.00069	.00012	.00061	.03569	.00040	.00050	.00252
%RSD	2.4365	.08914	.96665	4.7626	1.2227	3.7590	38.394	3.8377	2.0125	15.174
#1	1.1461	.10760	.01056	.01490	.00984	.01657	.11820	.01082	.02533	.01482
#2	1.1073	.10774	.01070	.01393	.01002	.01571	.06773	.01025	.02462	.01838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8304.1**	**111360.**	**6435.0**
Stddev	22.1	330.	6.5
%RSD	.26656	.29623	.10057
#1	8319.8	111120.	6439.5
#2	8288.5	111590.	6430.4

Sample Name: 280-48859-a-21-a Acquired: 11/11/2013 20:49:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**84.866**	**.01658**	**.11003**	**.53004**	**.00389**	**-.02588**	W **649.63**	**.00207**	**.05158**
Stddev	.00023	.186	.00329	.00024	.00151	.00004	.00308	4.18	.00016	.00027
%RSD	431.79	.21965	19.848	.21758	.28518	1.0440	11.909	.64317	7.6310	.52013
#1	-.00021	84.734	.01891	.11020	.52897	.00392	-.02370	646.67	.00195	.05177
#2	.00011	84.997	.01425	.10986	.53111	.00386	-.02806	652.58	.00218	.05139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15363**	**.11139**	**129.49**	**19.923**	**.21180**	**238.07**	**4.3768**	**.00336**	**1.5987**	**.13584**
Stddev	.00013	.00053	.77	.086	.00105	.27	.0090	.00018	.0260	.00021
%RSD	.08630	.47360	.59616	.42947	.49399	.11279	.20614	5.4147	1.6236	.15323
#1	.15372	.11102	130.04	19.862	.21254	238.26	4.3832	.00323	1.6170	.13599
#2	.15353	.11177	128.95	19.983	.21106	237.88	4.3704	.00349	1.5803	.13569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9743**	**.05123**	**5.0013**	**.00152**	**-.00083**	**3.9385**	**8.4284**	**.00849**	**.64970**	**.03850**
Stddev	.0032	.00005	.0109	.00144	.00254	.0424	.0907	.00013	.00268	.00217
%RSD	.08009	.09151	.21807	94.330	305.88	1.0758	1.0758	1.5004	.41294	5.6476
#1	3.9765	.05127	4.9936	.00051	-.00262	3.9685	8.4925	.00858	.64780	.03696
#2	3.9720	.05120	5.0090	.00254	.00096	3.9085	8.3643	.00840	.65160	.04003
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.0290**	**-.00159**	F **-.18620**	**.17713**	**.32716**	**.12313**
Stddev	.0003	.00087	.02094	.00023	.00078	.00025
%RSD	.01468	54.869	11.247	.13235	.23783	.20114
#1	2.0292	-.00097	-.17139	.17696	.32771	.12295
#2	2.0288	-.00220	-.20100	.17730	.32661	.12330
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8041.6**	**105170.**	**6868.6**
Stddev	2.7	144.	45.7
%RSD	.03382	.13738	.66569
#1	8043.5	105070.	6901.0
#2	8039.6	105280.	6836.3

Sample Name: 280-48859-a-23-c Acquired: 11/11/2013 20:51:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00524**	**72.051**	**.04584**	**.08290**	**.58130**	**.00337**	**-.02240**	**383.63**	**.01897**	**.04806**
Stddev	.00013	.187	.00206	.00003	.00164	.00003	.00037	2.28	.00001	.00022
%RSD	2.3936	.25909	4.4889	.03626	.28293	.96190	1.6421	.59486	.06173	.46528
#1	.00515	71.919	.04438	.08288	.58014	.00335	-.02214	382.02	.01896	.04821
#2	.00533	72.183	.04729	.08292	.58247	.00339	-.02266	385.25	.01898	.04790
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61571**	**.63044**	**131.79**	**14.568**	**.13467**	**186.52**	**2.7717**	**.01546**	**1.7307**	**.16939**
Stddev	.00016	.00053	.11	.032	.00187	1.55	.0643	.00025	.0108	.00004
%RSD	.02676	.08433	.08628	.22198	1.3856	.82878	2.3197	1.6166	.62514	.02569
#1	.61583	.63082	131.87	14.546	.13599	187.61	2.8172	.01528	1.7230	.16942
#2	.61559	.63007	131.71	14.591	.13335	185.42	2.7263	.01564	1.7383	.16936
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6270**	**1.1727**	**12.653**	**.00246**	**-.00025**	**3.3602**	**7.1909**	**.04581**	**.48240**	**.02748**
Stddev	.0006	.0004	.012	.00239	.00202	.0024	.0051	.00017	.00152	.00070
%RSD	.00956	.03574	.09579	97.197	820.31	.07117	.07117	.36600	.31470	2.5337
#1	6.6265	1.1724	12.662	.00077	.00118	3.3585	7.1873	.04569	.48133	.02699
#2	6.6274	1.1730	12.645	.00415	-.00167	3.3619	7.1945	.04593	.48347	.02797
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2936**	**-.00141**	F **-.12693**	**.16018**	**2.7668**	**.06003**
Stddev	.0060	.00074	.04881	.00075	.0019	.00349
%RSD	.46553	52.707	38.454	.46721	.06943	5.8178
#1	1.2894	-.00194	-.09242	.16071	2.7655	.05756
#2	1.2979	-.00089	-.16145	.15965	2.7682	.06250
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8194.3**	**106140.**	**6912.6**
Stddev	16.7	204.	4.0
%RSD	.20339	.19196	.05807
#1	8206.1	106000.	6915.4
#2	8182.5	106290.	6909.8

Sample Name: 280-48859-a-24-a Acquired: 11/11/2013 20:54:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**68.886**	**.01091**	**.08429**	**.57037**	**.00323**	**-.02090**	W **841.56**	**.00226**	**.04859**
Stddev	.00016	.045	.00430	.00006	.00290	.00003	.00095	12.01	.00012	.00033
%RSD	44.894	.06524	39.441	.07311	.50821	1.0024	4.5446	1.4275	5.3325	.68612
#1	-.00024	68.855	.00787	.08424	.56832	.00326	-.02157	850.05	.00235	.04883
#2	-.00046	68.918	.01395	.08433	.57242	.00321	-.02023	833.06	.00218	.04836
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13142**	**.10522**	**120.56**	**15.206**	**.17870**	**241.26**	**4.7703**	**.00331**	**1.5151**	**.12438**
Stddev	.00071	.00016	.01	.065	.00060	1.40	.0365	.00008	.0071	.00074
%RSD	.53754	.15661	.01146	.42728	.33545	.58031	.76424	2.3769	.46564	.59871
#1	.13192	.10511	120.57	15.160	.17828	242.25	4.7961	.00337	1.5201	.12490
#2	.13092	.10534	120.55	15.252	.17913	240.27	4.7445	.00326	1.5101	.12385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3682**	**.05010**	**5.7490**	**-.00046**	**.00078**	**4.1644**	**8.9118**	**.00684**	**.80711**	**.03574**
Stddev	.0255	.00147	.0431	.00130	.00108	.1166	.2494	.00004	.00305	.00032
%RSD	.58330	2.9266	.74942	285.28	138.37	2.7989	2.7989	.57399	.37826	.90164
#1	4.3862	.05114	5.7794	.00046	.00002	4.0820	8.7355	.00687	.80496	.03551
#2	4.3502	.04906	5.7185	-.00138	.00155	4.2468	9.0882	.00681	.80927	.03597
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6326**	**-.00152**	F **-.16870**	**.15405**	**.33126**	**.09783**
Stddev	.0032	.00014	.00782	.00053	.00057	.00039
%RSD	.19483	9.3120	4.6329	.34316	.17324	.39716
#1	1.6303	-.00162	-.16318	.15367	.33085	.09756
#2	1.6348	-.00142	-.17423	.15442	.33167	.09811
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7983.5**	**103750.**	**6909.9**
Stddev	3.4	411.	11.0
%RSD	.04284	.39573	.15935
#1	7981.1	103460.	6902.1
#2	7985.9	104040.	6917.7

Sample Name: 280-48859-a-25-a Acquired: 11/11/2013 20:56:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00256**	**52.461**	**.03095**	**.07101**	**.50679**	**.00300**	**-.01441**	**390.07**	**.01056**	**.03580**
Stddev	.00053	.324	.00250	.00061	.00452	.00006	.00012	4.97	.00008	.00020
%RSD	20.826	.61683	8.0646	.86367	.89177	2.1428	.81282	1.2747	.74508	.55609
#1	.00219	52.689	.02919	.07144	.50999	.00304	-.01449	393.59	.01051	.03566
#2	.00294	52.232	.03272	.07057	.50360	.00295	-.01432	386.55	.01062	.03594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35287**	**.47565**	**94.776**	**10.419**	**.09968**	**184.92**	**2.1062**	**.01575**	**1.5818**	**.13001**
Stddev	.00109	.00037	1.114	.038	.00004	1.91	.0066	.00010	.0004	.00097
%RSD	.30957	.07723	1.1758	.36173	.04323	1.0337	.31281	.66335	.02806	.74544
#1	.35364	.47539	95.564	10.446	.09971	183.57	2.1016	.01583	1.5814	.12933
#2	.35210	.47591	93.988	10.392	.09965	186.27	2.1109	.01568	1.5821	.13070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.2119**	**.77087**	**11.743**	**.00302**	**.00090**	**3.2683**	**6.9942**	**.03254**	**.47132**	**.02077**
Stddev	.0141	.00549	.036	.00084	.00326	.0204	.0437	.00057	.00442	.00393
%RSD	.26964	.71274	.30955	27.696	364.27	.62540	.62540	1.7456	.93876	18.917
#1	5.2020	.76699	11.768	.00243	.00320	3.2828	7.0251	.03294	.47445	.01799
#2	5.2219	.77476	11.717	.00362	-.00141	3.2539	6.9633	.03214	.46819	.02355
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2024**	**-.00051**	F **-.11148**	**.12405**	**1.9668**	**.03596**
Stddev	.0019	.00053	.04152	.00013	.0096	.00075
%RSD	.15795	103.63	37.245	.10558	.48747	2.0905
#1	1.2010	-.00088	-.08212	.12396	1.9600	.03649
#2	1.2037	-.00014	-.14084	.12414	1.9736	.03543
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8185.9**	**106830.**	**6816.9**
Stddev	6.1	602.	65.9
%RSD	.07413	.56392	.96701
#1	8190.2	107260.	6770.3
#2	8181.6	106410.	6863.5

Sample Name: 280-48859-a-26-d Acquired: 11/11/2013 20:58:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00314**	**60.635**	**.04116**	**.07515**	**.58151**	**.00297**	**-.01830**	**478.53**	**.01487**	**.04516**
Stddev	.00021	.424	.00210	.00023	.00445	.00003	.00028	.76	.00005	.00005
%RSD	6.7681	.70005	5.0921	.31181	.76513	1.1219	1.5276	.15917	.33109	.10015
#1	.00329	60.335	.03967	.07531	.57836	.00295	-.01810	478.00	.01491	.04519
#2	.00299	60.935	.04264	.07498	.58465	.00299	-.01850	479.07	.01484	.04512
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48553**	**.61437**	**118.07**	**12.085**	**.11683**	**218.33**	**2.5589**	**.01851**	**1.9730**	**.16964**
Stddev	.00036	.00305	.21	.009	.00152	.70	.0305	.00017	.0246	.00001
%RSD	.07506	.49647	.18061	.07142	1.3030	.31974	1.1927	.91132	1.2484	.00862
#1	.48527	.61653	117.92	12.078	.11791	217.83	2.5804	.01863	1.9556	.16965
#2	.48578	.61221	118.22	12.091	.11576	218.82	2.5373	.01839	1.9904	.16963
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.4084**	**1.1198**	**13.706**	**.00187**	**.00228**	**3.0361**	**6.4972**	**.04789**	**.56926**	**.02256**
Stddev	.0036	.0011	.047	.00043	.00287	.0111	.0237	.00023	.00267	.00054
%RSD	.05608	.10134	.34271	22.764	125.63	.36515	.36515	.47158	.46912	2.3948
#1	6.4059	1.1190	13.740	.00217	.00025	3.0282	6.4804	.04773	.56737	.02294
#2	6.4110	1.1206	13.673	.00157	.00431	3.0439	6.5140	.04804	.57115	.02218
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3088**	**-.00026**	F **-.10929**	**.15120**	**2.5514**	**.05155**
Stddev	.0035	.00030	.01399	.00028	.0040	.00033
%RSD	.26531	118.19	12.798	.18817	.15768	.63671
#1	1.3113	-.00004	-.09940	.15140	2.5543	.05132
#2	1.3064	-.00047	-.11918	.15100	2.5486	.05179
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8144.5**	**105810.**	**6856.4**
Stddev	13.5	431.	3.7
%RSD	.16591	.40686	.05458
#1	8135.0	105510.	6859.0
#2	8154.1	106120.	6853.7

Sample Name: 280-48859-a-28-a Acquired: 11/11/2013 21:01:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01104**	**67.899**	**.08387**	**.10494**	**.79677**	**.00392**	**-.01721**	**499.48**	**.02607**	**.04939**
Stddev	.00002	.062	.00345	.00020	.00178	.00009	.00248	.46	.00014	.00024
%RSD	.15073	.09193	4.1132	.19504	.22307	2.2602	14.417	.09174	.55181	.47920
#1	.01103	67.943	.08143	.10509	.79552	.00399	-.01545	499.80	.02617	.04956
#2	.01105	67.855	.08631	.10480	.79803	.00386	-.01896	499.15	.02597	.04922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.1996**	**.88794**	**147.44**	**12.569**	**.12878**	**210.92**	**3.0692**	**.02069**	**1.7613**	**.19995**
Stddev	.0018	.00363	.00	.006	.00046	1.83	.0236	.00015	.0034	.00008
%RSD	.04376	.40863	.00188	.04564	.35639	.86551	.76855	.70182	.19163	.04089
#1	4.1983	.88538	147.44	12.573	.12846	209.63	3.0859	.02059	1.7636	.20001
#2	4.2009	.89051	147.43	12.564	.12911	212.21	3.0525	.02080	1.7589	.19990
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.6568**	**2.5309**	**20.088**	**.00717**	**-.00046**	**3.0433**	**6.5128**	**.09889**	**.82217**	**.02990**
Stddev	.0126	.0022	.055	.00074	.00141	.0645	.1380	.00050	.00206	.00182
%RSD	.14602	.08851	.27527	10.324	306.77	2.1189	2.1189	.50786	.25070	6.0868
#1	8.6479	2.5325	20.049	.00665	-.00145	3.0889	6.6103	.09924	.82071	.03119
#2	8.6658	2.5294	20.127	.00769	.00054	2.9978	6.4152	.09853	.82363	.02862
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3067**	**-.00132**	F **-.16736**	**.16561**	**4.1188**	**.05735**
Stddev	.0042	.00014	.00450	.00046	.0157	.00020
%RSD	.32294	10.385	2.6899	.28053	.38014	.34036
#1	1.3038	-.00122	-.17054	.16528	4.1078	.05749
#2	1.3097	-.00141	-.16418	.16594	4.1299	.05721
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.9**	**107330.**	**7004.1**
Stddev	22.0	140.	27.0
%RSD	.26775	.13045	.38568
#1	8184.4	107430.	6984.9
#2	8215.4	107230.	7023.2

Sample Name: 280-48859-a-30-a Acquired: 11/11/2013 21:03:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00845**	**43.076**	**.09859**	**.08977**	**.97184**	**.00336**	**-.02151**	**389.21**	**.01272**	**.03211**
Stddev	.00044	.206	.00352	.00021	.00198	.00010	.00123	2.75	.00008	.00066
%RSD	5.2442	.47802	3.5724	.23578	.20344	2.9694	5.6972	.70561	.61470	2.0453
#1	.00876	43.222	.09610	.08992	.97324	.00329	-.02065	387.27	.01266	.03164
#2	.00814	42.930	.10108	.08962	.97044	.00343	-.02238	391.16	.01277	.03257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**7.4954**	**.78569**	**166.79**	**7.1194**	**.08114**	**118.17**	**2.4714**	**.00705**	**1.2874**	**.13516**
Stddev	.0174	.00007	.12	.0767	.00091	.35	.0110	.00007	.0058	.00127
%RSD	.23212	.00843	.07163	1.0781	1.1196	.29668	.44446	1.0318	.45242	.93595
#1	7.4831	.78564	166.87	7.1736	.08050	117.92	2.4792	.00700	1.2833	.13426
#2	7.5077	.78574	166.70	7.0651	.08178	118.41	2.4636	.00710	1.2915	.13605
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2214**	**1.5285**	**23.904**	**.00492**	**.00520**	**2.7221**	**5.8253**	**.11356**	**.78944**	**.02222**
Stddev	.0120	.0016	.021	.00140	.00122	.0570	.1220	.00026	.00146	.00131
%RSD	.12983	.10635	.08757	28.398	23.545	2.0950	2.0950	.22515	.18512	5.8796
#1	9.2130	1.5274	23.919	.00393	.00607	2.7624	5.9115	.11374	.79048	.02129
#2	9.2299	1.5297	23.889	.00591	.00434	2.6818	5.7390	.11338	.78841	.02314
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94541**	**-.00196**	**-.04760**	**.11194**	**3.2971**	**.03317**
Stddev	.00342	.00141	.01083	.00010	.0106	.00177
%RSD	.36183	72.088	22.744	.09257	.32088	5.3267
#1	.94782	-.00096	-.05525	.11201	3.3046	.03442
#2	.94299	-.00296	-.03994	.11187	3.2896	.03192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8203.7**	**107770.**	**6992.4**
Stddev	16.3	209.	7.7
%RSD	.19852	.19355	.11080
#1	8215.3	107920.	6997.9
#2	8192.2	107620.	6986.9

Sample Name: 280-48859-a-32-a Acquired: 11/11/2013 21:06:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199795 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**56.596**	**.01683**	**.07842**	**.43132**	**.00257**	**-.01656**	W **728.80**	**.00228**	**.04441**
Stddev	.00036	.166	.00237	.00045	.00004	.00001	.00157	4.65	.00006	.00020
%RSD	256.21	.29313	14.064	.57793	.01013	.44742	9.4715	.63749	2.7986	.44372
#1	-.00040	56.713	.01850	.07874	.43129	.00258	-.01545	725.51	.00223	.04455
#2	.00011	56.479	.01515	.07810	.43135	.00256	-.01767	732.08	.00232	.04427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10822**	**.10815**	**108.32**	**12.672**	**.14800**	**253.10**	**4.1050**	**.00608**	**1.3356**	**.10693**
Stddev	.00013	.00012	.25	.009	.00102	1.40	.0466	.00018	.0150	.00030
%RSD	.12176	.10759	.23366	.06974	.68762	.55301	1.1344	3.0239	1.1202	.28038
#1	.10831	.10807	108.14	12.666	.14728	252.11	4.1379	.00595	1.3462	.10714
#2	.10812	.10823	108.50	12.679	.14872	254.09	4.0721	.00621	1.3250	.10672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9618**	**.04961**	**13.767**	**.00198**	**.00022**	**2.6759**	**5.7265**	**.00582**	**1.0149**	**.02681**
Stddev	.0046	.00123	.016	.00600	.00194	.0020	.0042	.00029	.0004	.00034
%RSD	.15413	2.4737	.11435	302.79	868.90	.07407	.07407	5.0096	.04064	1.2711
#1	2.9650	.04875	13.755	.00623	-.00115	2.6773	5.7295	.00561	1.0152	.02705
#2	2.9585	.05048	13.778	-.00226	.00159	2.6745	5.7235	.00602	1.0146	.02657
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3875**	**-.00115**	F **-.13655**	**.13716**	**.38052**	**.08048**
Stddev	.0037	.00093	.00949	.00016	.00084	.00071
%RSD	.27059	80.825	6.9472	.11757	.22076	.87716
#1	1.3848	-.00049	-.12985	.13704	.38111	.07998
#2	1.3901	-.00181	-.14326	.13727	.37992	.08097
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7939.5**	**103570.**	**6787.6**
Stddev	3.9	512.	42.5
%RSD	.04933	.49445	.62651
#1	7942.2	103210.	6817.7
#2	7936.7	103940.	6757.5

Sample Name: CCVH-2372891 Acquired: 11/11/2013 21:08:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00766**	**51.936**	**.00062**	**.00128**	**-.00031**	**-.00014**	W **1.0653**	**.13230**	**-.00044**	**-.00014**	**.00042**	**.01228**
Stddev	.00038	.083	.00068	.00030	.00000	.00002	.0015	.01230	.00014	.00018	.00008	.00035
%RSD	4.9586	.15884	109.88	23.769	.45533	12.145	.14423	9.2989	32.657	125.65	19.456	2.8450
#1	.00793	51.994	.00110	.00106	-.00032	-.00013	1.0664	.14100	-.00054	-.00002	.00048	.01253
#2	.00739	51.878	.00014	.00149	-.00031	-.00016	1.0643	.12360	-.00034	-.00027	.00036	.01203
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.563**	**-.03284**	**-.00092**	**.11457**	**.00122**	**-.00015**	**264.86**	**-.00005**	**-.00192**	**.00003**	**5.1970**	**-.00087**
Stddev	.520	.02714	.00098	.00120	.00002	.00019	.33	.00022	.00113	.00106	.0062	.00018
%RSD	1.0280	82.635	106.97	1.0487	1.3735	131.87	.12579	479.91	58.770	3998.6	.11980	21.085
#1	50.930	-.05203	-.00022	.11542	.00123	-.00001	264.63	-.00021	-.00272	.00077	5.2014	-.00074
#2	50.195	-.01365	-.00161	.11372	.00120	-.00028	265.10	.00011	-.00112	-.00072	5.1926	-.00100
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00280**	**.03158**	**.06758**	**-.00001**	**.00041**	**5.0248**	**-.01255**	**.00087**	F **6.2787**	**.00197**	**.00152**	**.06104**
Stddev	.00146	.00924	.01977	.00030	.00001	.0000	.00032	.00113	.0391	.00052	.00014	.00038
%RSD	52.166	29.252	29.252	4775.4	1.2398	.00007	2.5575	129.62	.62342	26.233	9.1199	.61702
#1	-.00177	.02505	.05360	-.00022	.00042	5.0248	-.01277	.00007	6.3064	.00160	.00142	.06078
#2	-.00383	.03811	.08156	.00020	.00041	5.0248	-.01232	.00167	6.2510	.00233	.00161	.06131
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7960.4**	**105320.**	**6385.0**
Stddev	6.2	672.	22.5
%RSD	.07762	.63818	.35247
#1	7956.1	105800.	6369.1
#2	7964.8	104850.	6400.9

Sample Name: CCV-2372889 Acquired: 11/11/2013 21:11:05 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50418**	**.54165**	**.99948**	**.50472**	**.50657**	**.49488**	**-.00230**	**5.1842**	**.50708**	**.50918**	**.50883**	**.50764**	**2.5177**
Stddev	.00079	.00099	.00181	.00008	.00439	.00378	.00055	.0257	.00007	.00049	.00024	.00030	.0243
%RSD	.15681	.18263	.18063	.01623	.86620	.76417	23.876	.49635	.01302	.09580	.04745	.05824	.96380
#1	.50362	.54235	.99821	.50467	.50347	.49221	-.00268	5.1660	.50712	.50952	.50865	.50785	2.5005
#2	.50474	.54095	1.0008	.50478	.50967	.49755	-.00191	5.2024	.50703	.50883	.50900	.50743	2.5348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.886**	**1.0074**	**20.297**	**.50273**	**.50959**	**5.2120**	**.51370**	**1.0028**	**1.0355**	**.07305**	**1.0087**	**1.0147**	**5.0189**
Stddev	.384	.0111	.049	.00073	.00093	.0471	.00036	.0000	.0021	.00178	.0012	.0029	.0360
%RSD	.73994	1.1035	.24117	.14588	.18309	.90347	.06962	.00353	.19876	2.4321	.11583	.28911	.71620
#1	51.615	.99954	20.263	.50221	.51025	5.1787	.51395	1.0028	1.0369	.07179	1.0078	1.0127	4.9935
#2	52.158	1.0153	20.332	.50325	.50893	5.2453	.51344	1.0027	1.0340	.07430	1.0095	1.0168	5.0444
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.741**	**1.0288**	**.50410**	**-.00468**	**.49858**	**1.0394**	**-.02700**	**.50567**	**.51730**	**.50646**
Stddev	.077	.0004	.00444	.00180	.00050	.0063	.03506	.00102	.00057	.00058
%RSD	.71620	.04226	.88150	38.470	.10100	.60533	129.82	.20248	.10962	.11512
#1	10.686	1.0285	.50096	-.00595	.49822	1.0349	-.00222	.50639	.51770	.50605
#2	10.795	1.0291	.50724	-.00341	.49893	1.0438	-.05179	.50494	.51690	.50687
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8142.7**	**107890.**	**6308.5**
Stddev	18.1	365.	6.9
%RSD	.22285	.33838	.10916
#1	8129.9	108140.	6313.4
#2	8155.5	107630.	6303.6

Sample Name: CCB Acquired: 11/11/2013 21:13:11 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**-.00171**	**.00194**	**-.00042**	**-.00003**	**-.00001**	**-.00017**	**.02457**	**-.00002**	**.00025**	**.00004**	**-.00005**
Stddev	.00011	.00045	.00126	.00021	.00036	.00003	.00133	.00096	.00005	.00005	.00012	.00038
%RSD	28.316	26.528	65.226	49.889	1123.8	414.97	800.39	3.8968	262.15	18.072	264.37	800.37
#1	.00031	-.00139	.00104	-.00027	.00022	.00001	-.00111	.02525	-.00005	.00022	.00013	-.00031
#2	.00047	-.00203	.00283	-.00056	-.00028	-.00002	.00077	.02389	.00001	.00029	-.00004	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00788**	**.00953**	F **-.00613**	**.00805**	**.00020**	**.00035**	**-.00535**	**.00028**	**-.00304**	**-.00109**	**.07927**	F **.00899**
Stddev	.00015	.01469	.00337	.00180	.00004	.00016	.01821	.00005	.00138	.00063	.00058	.00127
%RSD	1.8923	154.16	54.987	22.406	19.001	46.587	339.99	17.204	45.514	58.001	.73245	14.092
#1	.00777	-.00086	-.00851	.00933	.00017	.00046	.00752	.00032	-.00206	-.00154	.07886	.00809
#2	.00798	.01992	-.00375	.00678	.00023	.00023	-.01823	.00025	-.00401	-.00064	.07968	.00988
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit			.00522									.00628
Low Limit			-.00522									-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00316**	**.02400**	**.05135**	**.00037**	**.00003**	**.00125**	**-.00046**	**-.00036**	**.01682**	**.00020**	**.00306**	**.00234**
Stddev	.00497	.00267	.00572	.00025	.00000	.00005	.00014	.00063	.04625	.00022	.00057	.00139
%RSD	157.11	11.132	11.132	66.028	16.446	4.2058	31.264	175.99	274.86	107.79	18.793	59.330
#1	-.00035	.02588	.05539	.00055	.00003	.00121	-.00036	-.00080	.04953	.00035	.00346	.00332
#2	.00668	.02211	.04731	.00020	.00003	.00128	-.00056	.00009	-.01588	.00005	.00265	.00136
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.4**	**108330.**	**6194.2**
Stddev	22.0	290.	54.6
%RSD	.27011	.26761	.88151
#1	8150.0	108120.	6232.8
#2	8118.9	108530.	6155.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 21:15:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01141**	**.11501**	**.01650**	**.10290**	**.01075**	**.00099**	**.12929**	**.23366**	**.00541**	**.01128**	**.01094**	**.01611**	**.10764**
Stddev	.00000	.00064	.00076	.00035	.00016	.00003	.00018	.00149	.00012	.00029	.00007	.00019	.00392
%RSD	.02456	.55675	4.5971	.34349	1.5129	2.9409	.13632	.63758	2.1775	2.5658	.67743	1.1518	3.6405
#1	.01141	.11456	.01596	.10265	.01087	.00097	.12942	.23472	.00533	.01107	.01100	.01624	.11041
#2	.01141	.11546	.01703	.10315	.01064	.00102	.12917	.23261	.00550	.01148	.01089	.01598	.10486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2851**	**.00743**	**.22626**	**.01085**	**.02115**	**1.0819**	**.04468**	**3.0647**	**.01002**	**.07032**	**.00925**	**.01283**	**.51479**
Stddev	.1030	.00031	.00360	.00010	.00010	.0046	.00027	.0099	.00122	.00171	.00283	.00017	.01437
%RSD	3.1363	4.1969	1.5896	.92823	.48364	.42422	.60182	.32436	12.154	2.4275	30.600	1.3136	2.7915
#1	3.2123	.00765	.22880	.01092	.02108	1.0851	.04487	3.0577	.01088	.06911	.00725	.01271	.52495
#2	3.3580	.00721	.22372	.01077	.02122	1.0786	.04449	3.0718	.00916	.07153	.01125	.01295	.50463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1016**	**.10872**	**.01067**	**.01374**	**.00976**	**.01641**	F **.09811**	**.01106**	**.02464**	**.01830**
Stddev	.0308	.00071	.00012	.00254	.00018	.00012	.03135	.00037	.00022	.00223
%RSD	2.7915	.65570	1.1423	18.490	1.8321	.74570	31.951	3.3039	.89467	12.205
#1	1.1234	.10822	.01058	.01195	.00963	.01633	.07594	.01132	.02480	.01988
#2	1.0799	.10923	.01075	.01554	.00988	.01650	.12027	.01080	.02449	.01672
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8397.7**	**111580.**	**6400.0**
Stddev	42.1	244.	15.3
%RSD	.50153	.21859	.23953
#1	8367.9	111410.	6410.8
#2	8427.5	111750.	6389.1

Sample Name: BLANK SAR WATER Acquired: 11/11/2013 21:17:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00394**	**.00114**	**-.00019**	**-.00019**	**-.00002**	**-.00101**	**.01459**	**-.00002**	**.00023**
Stddev	.00024	.00011	.00147	.00051	.00005	.00003	.00058	.00093	.00004	.00001
%RSD	331.27	2.8421	128.89	265.55	27.611	148.71	57.206	6.3524	185.63	3.3968
#1	.00025	-.00386	.00010	.00017	-.00022	-.00005	-.00141	.01525	.00001	.00024
#2	-.00010	-.00402	.00218	-.00055	-.00015	.00000	-.00060	.01394	-.00005	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00021**	**.00033**	**.00069**	**-.00137**	**.00158**	**.00013**	**-.00010**	**-.02824**	**.00024**
Stddev	.00001	.00010	.00074	.03146	.00022	.00385	.00003	.00005	.01224	.00010
%RSD	33.953	50.715	220.49	4531.0	15.850	242.71	23.895	51.762	43.342	41.017
#1	-.00003	-.00013	-.00019	-.02155	-.00122	-.00113	.00016	-.00007	-.03689	.00017
#2	-.00005	-.00028	.00086	.02294	-.00152	.00430	.00011	-.00014	-.01958	.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00259**	**.00007**	W **.07461**	**-.00134**	**-.00307**	**.03525**	**.07544**	**.00006**	**.00011**	**.00011**
Stddev	.00032	.00087	.00006	.00099	.00196	.00107	.00229	.00001	.00020	.00047
%RSD	12.466	1248.9	.08459	74.196	63.986	3.0397	3.0397	18.548	186.16	435.08
#1	-.00281	-.00055	.07466	-.00063	-.00168	.03601	.07706	.00007	.00025	.00044
#2	-.00236	.00069	.07457	-.00204	-.00445	.03449	.07381	.00006	-.00003	-.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00014**	**.01213**	**.00011**	**.00280**	**.00385**
Stddev	.00026	.00008	.00824	.00032	.00031	.00137
%RSD	83.303	52.350	67.948	301.46	11.113	35.657
#1	-.00013	.00009	.01795	.00034	.00302	.00482
#2	-.00050	.00020	.00630	-.00012	.00258	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8267.1**	**111070.**	**6591.9**
Stddev	8.5	364.	85.4
%RSD	.10265	.32776	1.2962
#1	8261.1	111330.	6652.3
#2	8273.1	110810.	6531.5

Sample Name: 48922-1 Acquired: 11/11/2013 21:20:05 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00588**	**.00081**	**.01036**	**.06419**	**-.00002**	**.00007**	**37.522**	**-.00001**	**.00013**
Stddev	.00002	.00007	.00134	.00056	.00119	.00005	.00102	.494	.00008	.00008
%RSD	12.347	1.1154	165.05	5.4332	1.8536	321.81	1528.3	1.3169	682.60	64.057
#1	.00019	.00593	.00176	.01076	.06335	-.00005	-.00066	37.173	-.00007	.00019
#2	.00016	.00584	-.00014	.00996	.06503	.00002	.00079	37.872	.00005	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00116**	**.01744**	**1.4325**	**.00488**	**8.8489**	**.01289**	**.00055**	**17.824**	**.00077**
Stddev	.00010	.00046	.00037	.0730	.00020	.0542	.00001	.00033	.341	.00003
%RSD	84.705	39.773	2.1344	5.0926	4.1288	.61209	.09421	59.687	1.9118	3.6443
#1	.00019	.00148	.01770	1.3810	.00502	8.8872	.01288	.00032	18.065	.00075
#2	.00005	.00083	.01717	1.4841	.00474	8.8106	.01290	.00078	17.583	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00245**	**-.00032**	**18.311**	**-.00139**	**-.00282**	**5.1899**	**11.106**	**.00012**	**.34611**	**-.00138**
Stddev	.00083	.00045	.026	.00137	.00144	.0659	.141	.00042	.00411	.00021
%RSD	33.787	138.03	.13961	98.427	50.929	1.2703	1.2703	343.26	1.1886	15.101
#1	-.00186	-.00064	18.293	-.00042	-.00384	5.1432	11.007	-.00017	.34320	-.00152
#2	-.00303	-.00001	18.329	-.00236	-.00181	5.2365	11.206	.00042	.34901	-.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00286**	**.00587**	**.00054**	**.00173**	**.00043**
Stddev	.00025	.00010	.00373	.00000	.00041	.00257
%RSD	61211.	3.5129	63.500	.24963	23.479	592.01
#1	-.00017	.00279	.00851	.00054	.00202	.00225
#2	.00017	.00293	.00324	.00054	.00145	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8374.2**	**111950.**	**6707.5**
Stddev	1.4	402.	57.9
%RSD	.01728	.35873	.86293
#1	8375.2	111670.	6748.4
#2	8373.2	112240.	6666.5

Sample Name: 48922-2 Acquired: 11/11/2013 21:22:24 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00433**	**.00082**	**.02094**	**.05117**	**-.00006**	**.00114**	**94.267**	**.00033**	**.00024**
Stddev	.00053	.00021	.00021	.00027	.00041	.00002	.00176	.492	.00005	.00009
%RSD	93.946	4.9599	25.565	1.2898	.79273	41.548	155.22	.52200	15.125	36.683
#1	.00093	-.00418	.00067	.02113	.05088	-.00004	-.00011	93.919	.00029	.00018
#2	.00019	-.00448	.00097	.02075	.05145	-.00007	.00238	94.615	.00036	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00143**	**.00585**	**5.9915**	**.07486**	**76.467**	**.02574**	**.00066**	**388.81**	**.00121**
Stddev	.00005	.00002	.00184	.0298	.00047	.060	.00005	.00007	2.34	.00004
%RSD	73.684	1.5018	31.543	.49669	.62828	.07808	.21292	9.9199	.60153	3.4254
#1	.00009	.00145	.00454	6.0125	.07519	76.509	.02578	.00071	387.16	.00124
#2	.00003	.00142	.00715	5.9705	.07453	76.425	.02570	.00062	390.46	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00065**	F **224.24**	**-.00323**	**.00048**	**4.6920**	**10.041**	**.00052**	**3.1478**	**-.00237**
Stddev	.00064	.00039	.16	.00392	.00023	.0413	.088	.00004	.0139	.00109
%RSD	891.91	59.733	.07140	121.34	49.054	.87985	.87985	7.7334	.44257	45.930
#1	.00038	-.00093	224.35	-.00046	.00064	4.6628	9.9784	.00049	3.1380	-.00314
#2	-.00052	-.00038	224.13	-.00600	.00031	4.7212	10.103	.00054	3.1577	-.00160
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00270**	**.00549**	**.00112**	**.00212**	**.00277**
Stddev	.00013	.00000	.00715	.00014	.00024	.00200
%RSD	19.408	.05119	130.34	12.342	11.386	72.214
#1	-.00059	.00270	.00043	.00122	.00194	.00136
#2	-.00077	.00270	.01054	.00103	.00229	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7846.6**	**102240.**	**6458.6**
Stddev	10.0	235.	19.9
%RSD	.12805	.22969	.30869
#1	7853.7	102410.	6472.7
#2	7839.5	102070.	6444.5

Sample Name: 48924-1 Acquired: 11/11/2013 21:24:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**.00339**	**.00177**	**.03120**	**-.00006**	**-.00005**	**.00299**	**.04683**	**-.00011**	**.00049**
Stddev	.00008	.00018	.00020	.00050	.00009	.00001	.00107	.00113	.00004	.00005
%RSD	9.3310	5.3197	11.507	1.5913	153.86	10.092	35.984	2.4029	40.697	10.899
#1	.00083	.00326	.00163	.03155	-.00012	-.00005	.00375	.04762	-.00008	.00052
#2	.00095	.00352	.00192	.03085	.00001	-.00005	.00223	.04603	-.00014	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00063**	**-.00201**	**.03797**	**-.00368**	**.00701**	**.00025**	**-.00016**	**.11897**	**.00209**
Stddev	.00012	.00007	.00004	.03972	.00166	.00024	.00002	.00014	.01861	.00002
%RSD	3.5480	11.712	2.0747	104.61	45.122	3.4567	9.7381	88.663	15.646	.98288
#1	.00354	.00058	-.00204	.06606	-.00486	.00718	.00026	-.00006	.13213	.00211
#2	.00337	.00069	-.00199	.00988	-.00251	.00684	.00023	-.00025	.10581	.00208
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00421**	**-.00114**	**.07590**	**-.00187**	**-.00172**	**.01531**	**.03277**	**-.00014**	**.00043**	**-.00292**
Stddev	.00093	.00098	.00026	.00019	.00251	.01503	.03217	.00021	.00002	.00153
%RSD	22.183	86.034	.33661	10.207	145.94	98.174	98.174	153.45	3.5544	52.399
#1	-.00355	-.00183	.07608	-.00174	-.00349	.02595	.05552	-.00029	.00042	-.00400
#2	-.00487	-.00045	.07572	-.00201	.00005	.00468	.01002	.00001	.00044	-.00184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00159**	**.01138**	**-.00016**	**.00266**	**.00268**
Stddev	.00025	.00149	.00634	.00015	.00006	.00102
%RSD	158.44	93.333	55.756	94.116	2.3969	37.915
#1	.00033	.00265	.00689	-.00027	.00271	.00196
#2	-.00002	.00054	.01586	-.00005	.00262	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8574.1**	**114400.**	**6658.7**
Stddev	5.9	321.	119.0
%RSD	.06839	.28059	1.7871
#1	8578.2	114620.	6742.9
#2	8569.9	114170.	6574.6

Sample Name: 48924-2 Acquired: 11/11/2013 21:27:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00012**	**.00223**	**.03006**	**.10337**	**-.00004**	**.00219**	**31.452**	**-.00018**	**.00241**
Stddev	.00059	.00024	.00035	.00015	.00002	.00008	.00081	.062	.00014	.00029
%RSD	195.12	193.20	15.618	.51264	.01811	171.65	36.809	.19621	79.461	11.945
#1	-.00012	.00005	.00248	.03017	.10336	.00001	.00276	31.496	-.00008	.00262
#2	.00072	-.00029	.00199	.02996	.10338	-.00010	.00162	31.409	-.00028	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00190**	**.02524**	**7.4779**	**.11786**	**16.813**	**.09187**	**.00410**	W **562.18**	**.00333**
Stddev	.00030	.00010	.00067	.0358	.00010	.029	.00022	.00020	.06	.00024
%RSD	558.15	5.1748	2.6651	.47817	.08528	.17489	.24176	4.9971	.00999	7.3338
#1	-.00016	.00197	.02572	7.4526	.11779	16.792	.09172	.00395	562.15	.00350
#2	.00026	.00183	.02477	7.5031	.11793	16.834	.09203	.00424	562.22	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**-.00071**	**27.564**	**-.00049**	**-.00017**	**3.3196**	**7.1038**	**-.00026**	**3.1026**	**-.00361**
Stddev	.00145	.00168	.021	.00415	.00060	.0400	.0856	.00030	.0014	.00326
%RSD	20.950	237.39	.07747	842.21	351.44	1.2055	1.2055	114.53	.04419	90.319
#1	.00589	.00048	27.549	.00244	-.00060	3.3478	7.1644	-.00005	3.1017	-.00131
#2	.00794	-.00189	27.580	-.00343	.00026	3.2913	7.0433	-.00047	3.1036	-.00592
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00172**	**.03213**	**.00027**	**.00450**	**.00190**
Stddev	.00055	.00090	.02831	.00014	.00019	.00038
%RSD	565.96	52.326	88.126	51.366	4.2353	20.076
#1	.00048	.00236	.01211	.00017	.00436	.00163
#2	-.00029	.00108	.05214	.00036	.00463	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7909.4**	**103300.**	**6604.1**
Stddev	10.5	314.	49.8
%RSD	.13321	.30359	.75447
#1	7901.9	103520.	6568.9
#2	7916.8	103070.	6639.4

Sample Name: 48924-3 Acquired: 11/11/2013 21:29:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01208**	**.00198**	**.02931**	**.10470**	**-.00001**	**.00292**	**31.443**	**-.00026**	**.00209**
Stddev	.00004	.00014	.00309	.00005	.00010	.00015	.00105	.093	.00000	.00011
%RSD	7.5669	1.1199	156.29	.15561	.09236	1466.7	35.988	.29589	1.6044	5.2480
#1	.00045	.01217	-.00021	.02928	.10477	-.00012	.00366	31.377	-.00027	.00201
#2	.00050	.01198	.00416	.02934	.10463	.00010	.00218	31.509	-.00026	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00185**	**.02686**	**7.5613**	**.11798**	**16.822**	**.09480**	**.00430**	W **560.27**	**.00346**
Stddev	.00003	.00020	.00271	.1036	.00095	.027	.00000	.00011	1.73	.00012
%RSD	29.426	11.055	10.094	1.3706	.80550	.16261	.00517	2.6492	.30838	3.5124
#1	.00014	.00199	.02878	7.4880	.11731	16.841	.09480	.00422	559.05	.00337
#2	.00009	.00171	.02495	7.6346	.11865	16.802	.09479	.00438	561.49	.00354
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00739**	**-.00038**	**27.579**	**-.00257**	**.00074**	**3.3013**	**7.0648**	**-.00003**	**3.0874**	**-.00399**
Stddev	.00118	.00083	.058	.00033	.00081	.0160	.0342	.00042	.0197	.00105
%RSD	16.000	217.24	.21140	12.790	109.55	.48416	.48416	1332.4	.63741	26.388
#1	.00655	.00021	27.538	-.00281	.00131	3.3126	7.0889	-.00033	3.0735	-.00324
#2	.00822	-.00097	27.620	-.00234	.00017	3.2900	7.0406	.00026	3.1013	-.00473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00168**	**-.00120**	**.00060**	**.00420**	**.00047**
Stddev	.00019	.00094	.02979	.00082	.00014	.00354
%RSD	17.921	56.011	2476.7	135.62	3.2792	758.10
#1	.00094	.00101	.01986	.00118	.00411	-.00204
#2	.00121	.00234	-.02226	.00002	.00430	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7871.7**	**102040.**	**6496.0**
Stddev	13.7	264.	47.1
%RSD	.17399	.25883	.72450
#1	7881.3	102230.	6529.3
#2	7862.0	101850.	6462.7

Sample Name: 48924-3SD@5 Acquired: 11/11/2013 21:31:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: SAR WATER

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.01215**	**.00165**	**.00532**	**.02119**	**-.00002**	**-.00048**	**6.3294**	**-.00007**	**.00064**
Stddev	.00015	.00030	.00206	.00014	.00031	.00004	.00152	.0228	.00001	.00002
%RSD	24.755	2.4787	125.17	2.6512	1.4633	246.72	316.56	.36074	8.8760	3.6973
#1	.00069	.01236	.00310	.00522	.02097	.00001	.00059	6.3132	-.00007	.00063
#2	.00049	.01194	.00019	.00542	.02141	-.00005	-.00156	6.3455	-.00008	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00067**	**.02125**	**1.4745**	**.01996**	**3.3205**	**.01893**	**.00097**	**112.00**	**.00105**
Stddev	.00007	.00043	.00169	.0188	.00381	.0148	.00004	.00017	1.08	.00016
%RSD	192.83	64.170	7.9476	1.2723	19.059	.44619	.19110	17.908	.96461	14.838
#1	-.00008	.00037	.02006	1.4878	.02265	3.3309	.01890	.00109	111.23	.00094
#2	.00001	.00098	.02245	1.4613	.01727	3.3100	.01895	.00085	112.76	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00200**	**-.00138**	**5.2291**	**-.00224**	**.00134**	**.65932**	**1.4109**	**.00231**	**.61501**	**-.00090**
Stddev	.00004	.00012	.0274	.00145	.00038	.00397	.0085	.00039	.00415	.00021
%RSD	2.2136	8.5039	.52344	64.724	28.705	.60180	.60180	16.684	.67509	23.474
#1	-.00203	-.00129	5.2485	-.00326	.00107	.66212	1.4169	.00259	.61207	-.00075
#2	-.00197	-.00146	5.2098	-.00121	.00161	.65651	1.4049	.00204	.61794	-.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00194**	**-.01844**	**.00049**	**.00696**	**.00047**
Stddev	.00001	.00170	.00361	.00015	.00000	.00077
%RSD	3.1748	87.571	19.595	30.834	.06439	163.24
#1	-.00033	.00314	-.02100	.00038	.00696	.00102
#2	-.00034	.00074	-.01589	.00059	.00695	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8187.9**	**108510.**	**6465.7**
Stddev	24.6	259.	80.7
%RSD	.30057	.23865	1.2487
#1	8170.5	108330.	6408.6
#2	8205.3	108690.	6522.8

Sample Name: CCVH-2372891 Acquired: 11/11/2013 21:34:15 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00775**	**52.073**	**.00277**	**.00059**	**.00005**	**-.00010**	W **1.1049**	**.03184**	**-.00024**	**-.00040**	**.00012**	**.01253**
Stddev	.00008	.287	.00220	.00023	.00034	.00001	.0004	.00080	.00007	.00005	.00005	.00021
%RSD	1.0503	.55047	79.417	39.910	679.42	9.6376	.03399	2.5217	28.532	12.777	45.493	1.6534
#1	.00770	51.871	.00122	.00075	.00029	-.00011	1.1046	.03241	-.00028	-.00043	.00008	.01238
#2	.00781	52.276	.00433	.00042	-.00019	-.00010	1.1051	.03127	-.00019	-.00036	.00015	.01267
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.360**	**.01915**	**-.00335**	**.08600**	**.00083**	**-.00040**	**267.86**	**.00013**	**-.00152**	**-.00018**	W **5.3538**	**-.00206**
Stddev	.358	.01322	.00032	.00001	.00004	.00004	1.74	.00012	.00171	.00018	.0054	.00060
%RSD	.69797	69.022	9.5699	.00681	4.6803	9.6463	.65078	92.263	112.73	101.49	.10157	29.296
#1	51.107	.02850	-.00312	.08600	.00080	-.00038	266.62	.00005	-.00272	-.00005	5.3500	-.00249
#2	51.614	.00981	-.00357	.08601	.00086	-.00043	269.09	.00022	-.00031	-.00031	5.3577	-.00164
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00213**	**.02567**	**.05494**	**.00033**	**.00054**	**5.0764**	**-.01347**	**.00071**	F **6.4582**	**.00171**	**.00169**	**.06578**
Stddev	.00109	.02465	.05274	.00065	.00014	.0103	.00014	.00028	.0705	.00024	.00025	.00489
%RSD	51.162	96.006	96.006	199.04	26.913	.20283	1.0098	39.361	1.0915	13.845	15.021	7.4342
#1	-.00290	.00824	.01764	-.00013	.00064	5.0692	-.01338	.00051	6.5081	.00188	.00187	.06232
#2	-.00136	.04310	.09223	.00079	.00043	5.0837	-.01357	.00090	6.4084	.00155	.00151	.06924
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.0**	**108910.**	**6734.2**
Stddev	1.0	728.	15.2
%RSD	.01227	.66871	.22598
#1	8199.3	109420.	6745.0
#2	8200.7	108390.	6723.5

Sample Name: CCV-2372889 Acquired: 11/11/2013 21:36:37 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51663**	**.54290**	**1.0355**	**.52071**	**.51465**	**.50481**	**-.00441**	**5.1825**	**.52121**	**.51870**	**.51998**	**.52228**	**2.5392**
Stddev	.00125	.00056	.0013	.00028	.00232	.00347	.00244	.0118	.00057	.00022	.00049	.00046	.0103
%RSD	.24119	.10365	.12185	.05444	.45082	.68742	55.354	.22790	.10988	.04248	.09484	.08868	.40566
#1	.51575	.54330	1.0346	.52051	.51301	.50236	-.00268	5.1741	.52080	.51855	.52033	.52195	2.5319
#2	.51751	.54251	1.0364	.52091	.51629	.50727	-.00613	5.1908	.52161	.51886	.51963	.52261	2.5465
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.569**	**1.0211**	**20.424**	**.50765**	**.52326**	**5.3723**	**.52382**	**1.0302**	**1.0515**	**.05540**	**1.0447**	**1.0469**	**5.0238**
Stddev	.404	.0029	.016	.00093	.00021	.0469	.00032	.0008	.0014	.00006	.0025	.0110	.0074
%RSD	.76807	.28647	.07774	.18376	.04091	.87296	.06134	.08208	.13531	.10170	.24268	1.0482	.14714
#1	52.283	1.0190	20.436	.50699	.52341	5.3392	.52360	1.0296	1.0525	.05544	1.0465	1.0547	5.0186
#2	52.854	1.0232	20.413	.50831	.52310	5.4055	.52405	1.0308	1.0505	.05536	1.0429	1.0392	5.0290
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.751**	**1.0546**	**.51411**	**-.00529**	**.50421**	**1.0708**	**.00269**	**.51171**	**.51569**	**.51268**
Stddev	.016	.0054	.00240	.00107	.00078	.0043	.02553	.00163	.00042	.00194
%RSD	.14714	.51294	.46721	20.137	.15464	.40668	949.59	.31860	.08176	.37782
#1	10.740	1.0584	.51241	-.00605	.50366	1.0738	.02074	.51056	.51539	.51405
#2	10.762	1.0508	.51580	-.00454	.50476	1.0677	-.01537	.51287	.51599	.51131
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8415.6**	**112850.**	**6803.6**
Stddev	8.2	224.	85.8
%RSD	.09686	.19844	1.2606
#1	8409.8	113010.	6864.3
#2	8421.3	112690.	6743.0

Sample Name: CCB Acquired: 11/11/2013 21:38:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00350**	**.00115**	**-.00051**	**-.00043**	**.00001**	**-.00013**	**.00395**	**.00011**	**.00025**	**.00013**	**-.00005**	**-.00034**
Stddev	.00017	.00015	.00070	.00035	.00017	.00005	.00060	.00468	.00017	.00022	.00010	.00028	.00007
%RSD	27.003	4.3087	61.014	68.324	40.513	396.68	450.20	118.57	159.47	87.422	77.321	596.27	21.901
#1	.00073	-.00361	.00065	-.00026	-.00055	.00005	.00029	.00726	-.00001	.00041	.00020	-.00024	-.00028
#2	.00050	-.00340	.00165	-.00076	-.00031	-.00002	-.00055	.00064	.00023	.00010	.00006	.00015	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03139**	**-.00021**	**.00063**	**.00004**	**.00046**	**.08228**	**.00048**	**-.00292**	**-.00007**	**.06287**	F **.00796**	**.00189**	**.01178**
Stddev	.00126	.00084	.00103	.00003	.00010	.00192	.00022	.00067	.00011	.00381	.00196	.00076	.00507
%RSD	4.0237	392.80	161.66	69.191	21.105	2.3380	45.320	22.821	162.09	6.0623	24.570	40.398	43.032
#1	-.03228	.00038	.00136	.00002	.00039	.08364	.00033	-.00340	-.00015	.06557	.00658	.00243	.01537
#2	-.03050	-.00080	-.00009	.00006	.00053	.08092	.00063	-.00245	.00001	.06018	.00934	.00135	.00820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02522**	**.00075**	**.00020**	**-.00039**	**-.00056**	**-.00033**	**.03427**	**.00011**	**.00277**	**.00230**
Stddev	.01085	.00002	.00011	.00043	.00000	.00126	.02990	.00024	.00020	.00132
%RSD	43.032	2.2825	57.163	111.00	.20043	381.83	87.244	208.26	7.2050	57.393
#1	.03289	.00076	.00012	-.00008	-.00056	.00056	.01313	-.00005	.00263	.00324
#2	.01755	.00073	.00028	-.00069	-.00057	-.00123	.05541	.00028	.00291	.00137
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8492.1**	**114270.**	**6786.6**
Stddev	39.2	326.	20.2
%RSD	.46172	.28520	.29794
#1	8464.4	114040.	6800.9
#2	8519.8	114500.	6772.3

Sample Name: CCVL2372865 Acquired: 11/11/2013 21:40:59 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01090**	**.10869**	**.01576**	**.10207**	**.01014**	**.00102**	**.12627**	**.22143**	**.00523**	**.01099**	**.01064**	**.01601**	**.10516**
Stddev	.00025	.00025	.00016	.00050	.00026	.00001	.00079	.00181	.00001	.00002	.00008	.00003	.00068
%RSD	2.3109	.22843	1.0031	.48695	2.5856	.87370	.62748	.81603	.17759	.14351	.77572	.18218	.64359
#1	.01072	.10851	.01565	.10172	.01032	.00101	.12683	.22016	.00523	.01100	.01058	.01599	.10468
#2	.01108	.10886	.01587	.10242	.00995	.00103	.12571	.22271	.00522	.01098	.01070	.01603	.10564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1912**	**.01032**	**.21140**	**.01044**	**.02093**	**1.1256**	**.04337**	**3.0346**	**.00925**	**.06513**	**.00924**	**.01327**	**.50185**
Stddev	.0565	.00023	.00081	.00000	.00009	.0114	.00002	.0001	.00019	.00032	.00140	.00223	.00683
%RSD	1.7714	2.2164	.38252	.02954	.41903	1.0110	.03503	.00472	2.0303	.49140	15.146	16.846	1.3614
#1	3.1512	.01016	.21083	.01044	.02087	1.1336	.04338	3.0345	.00938	.06535	.00825	.01485	.50668
#2	3.2312	.01048	.21197	.01045	.02099	1.1175	.04336	3.0347	.00912	.06490	.01023	.01169	.49702
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0740**	**.10787**	**.01054**	**.01468**	**.00962**	**.01715**	F **.08589**	**.01028**	**.02460**	**.01885**
Stddev	.0146	.00022	.00020	.00024	.00012	.00013	.00624	.00010	.00009	.00128
%RSD	1.3614	.20184	1.8636	1.6199	1.2538	.77053	7.2624	.93210	.35464	6.7870
#1	1.0843	.10802	.01040	.01485	.00971	.01725	.09030	.01021	.02466	.01975
#2	1.0636	.10771	.01067	.01451	.00953	.01706	.08148	.01035	.02454	.01794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8590.5**	**116030.**	**6911.2**
Stddev	1.3	652.	17.1
%RSD	.01526	.56234	.24748
#1	8589.5	115570.	6899.1
#2	8591.4	116490.	6923.3

Sample Name: mb 280-199968/1-a Acquired: 11/11/2013 21:43:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00087**	**.00147**	**-.00049**	**-.00033**	**-.00011**	**-.00103**	**.03259**	**.00001**	**.00036**
Stddev	.00038	.00041	.00069	.00038	.00004	.00001	.00172	.00234	.00002	.00008
%RSD	77.614	46.551	46.841	77.224	12.136	13.013	166.68	7.1887	141.32	22.683
#1	.00076	.00059	.00098	-.00076	-.00030	-.00012	.00018	.03425	.00003	.00030
#2	.00022	.00116	.00196	-.00022	-.00036	-.00010	-.00225	.03093	.00000	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00040**	**.00473**	**.01697**	**.00025**	**.00254**	**.00011**	**-.00011**	**.07812**	**.00053**
Stddev	.00001	.00011	.00079	.02088	.00055	.00045	.00001	.00011	.01564	.00013
%RSD	121.05	27.308	16.774	123.07	216.64	17.824	13.206	96.172	20.023	24.396
#1	.00001	.00048	.00417	.03173	-.00014	.00286	.00010	-.00004	.08918	.00062
#2	.00000	.00033	.00529	.00220	.00064	.00222	.00012	-.00019	.06706	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**-.00030**	W **.06685**	**-.00082**	**-.00328**	**.02679**	**.05732**	**.00268**	**.00003**	**.00083**
Stddev	.00025	.00017	.00063	.00324	.00182	.02596	.05555	.00069	.00005	.00139
%RSD	17.455	57.643	.94349	394.75	55.456	96.903	96.903	25.683	169.80	167.25
#1	-.00124	-.00018	.06640	-.00311	-.00199	.04514	.09660	.00317	-.00001	.00181
#2	-.00159	-.00042	.06729	.00147	-.00456	.00843	.01805	.00219	.00007	-.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00005**	**.02504**	**-.00002**	**.00322**	**.00258**
Stddev	.00017	.00116	.04484	.00002	.00009	.00016
%RSD	521.52	2390.1	179.07	102.68	2.8413	6.3105
#1	-.00009	-.00087	-.00666	-.00001	.00328	.00270
#2	.00015	.00077	.05674	-.00004	.00315	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8702.5**	**118550.**	**7080.5**
Stddev	3.6	303.	5.4
%RSD	.04181	.25577	.07605
#1	8705.1	118770.	7084.3
#2	8699.9	118340.	7076.6

Sample Name: lcs 280-199968/2-a Acquired: 11/11/2013 21:45:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04838**	**1.9070**	**.95425**	**.94991**	**1.9232**	**.04647**	**2.1870**	**46.166**	**.10124**	**.47095**
Stddev	.00042	.0010	.00115	.00114	.0005	.00039	.0047	.069	.00008	.00060
%RSD	.86272	.05090	.12001	.11956	.02626	.83136	.21416	.14965	.07577	.12683
#1	.04868	1.9063	.95506	.94911	1.9236	.04620	2.1903	46.118	.10129	.47053
#2	.04809	1.9077	.95344	.95072	1.9228	.04675	2.1837	46.215	.10118	.47137
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19416**	**.24698**	**.93708**	**48.840**	**.94723**	**46.576**	**.46654**	**.97841**	**51.025**	**.47668**
Stddev	.00050	.00047	.00811	.068	.00335	.070	.00025	.00074	.480	.00047
%RSD	.25789	.19127	.86549	.14020	.35324	.15091	.05409	.07558	.94130	.09854
#1	.19451	.24664	.93135	48.791	.94487	46.625	.46672	.97789	50.685	.47634
#2	.19380	.24731	.94282	48.888	.94960	46.526	.46636	.97893	51.365	.47701
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.7735**	**.47159**	**2.0540**	**.46145**	**1.8901**	**1.2953**	**2.7720**	**1.9276**	**.95501**	**.94970**
Stddev	.0032	.00019	.0004	.00009	.0003	.0151	.0324	.0021	.00064	.00038
%RSD	.03274	.04018	.02152	.01914	.01575	1.1687	1.1687	.10903	.06724	.03980
#1	9.7712	.47173	2.0543	.46152	1.8898	1.2846	2.7491	1.9291	.95546	.94997
#2	9.7757	.47146	2.0537	.46139	1.8903	1.3060	2.7949	1.9261	.95455	.94943
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.94548**	**1.8631**	**2.0406**	**.47665**	**.46694**	**.48586**
Stddev	.00149	.0033	.0082	.00062	.00005	.00393
%RSD	.15763	.17679	.40063	.12990	.01105	.80904
#1	.94442	1.8608	2.0348	.47709	.46698	.48308
#2	.94653	1.8655	2.0464	.47621	.46691	.48864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8211.1**	**111110.**	**6921.6**
Stddev	5.2	31.	63.4
%RSD	.06303	.02772	.91668
#1	8207.5	111130.	6966.4
#2	8214.8	111080.	6876.7

Sample Name: 280-48951-b-1-a Acquired: 11/11/2013 21:47:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**58.218**	**.01344**	**.07005**	**.45674**	**.00279**	**-.01872**	W **716.94**	**.00198**	**.04251**
Stddev	.00022	.400	.00388	.00083	.00519	.00013	.00042	9.79	.00002	.00035
%RSD	124.15	.68767	28.835	1.1835	1.1355	4.5465	2.2237	1.3662	.88469	.81733
#1	-.00002	58.501	.01070	.07063	.46040	.00288	-.01901	723.86	.00196	.04275
#2	-.00033	57.935	.01618	.06946	.45307	.00270	-.01843	710.01	.00199	.04226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11694**	**.09974**	**105.27**	**12.902**	**.16033**	**217.48**	**3.6409**	**.00390**	**86.248**	**.11376**
Stddev	.00001	.00011	1.67	.118	.00160	.50	.0104	.00001	.619	.00024
%RSD	.00790	.10978	1.5873	.91625	.99894	.23126	.28675	.21829	.71790	.20924
#1	.11693	.09966	106.45	12.986	.16146	217.84	3.6483	.00389	86.686	.11392
#2	.11695	.09981	104.09	12.819	.15920	217.13	3.6336	.00390	85.810	.11359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8193**	**.04494**	**5.3542**	**.00158**	**.00392**	**3.5591**	**7.6165**	**.00703**	**.71319**	**.03173**
Stddev	.0121	.00123	.0061	.00324	.00339	.0588	.1259	.00022	.00765	.00224
%RSD	.31784	2.7425	.11434	205.55	86.491	1.6525	1.6525	3.1923	1.0726	7.0733
#1	3.8107	.04581	5.3499	-.00071	.00631	3.6007	7.7055	.00719	.71860	.03015
#2	3.8279	.04407	5.3586	.00387	.00152	3.5175	7.5275	.00688	.70779	.03332
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4981**	**.00074**	F **-.13771**	**.13318**	**.27686**	**.08892**
Stddev	.0026	.00172	.01677	.00036	.00067	.00234
%RSD	.17511	231.68	12.180	.27167	.24334	2.6289
#1	1.4963	.00196	-.14957	.13344	.27638	.08727
#2	1.5000	-.00047	-.12585	.13293	.27733	.09058
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8090.2**	**105840.**	**6941.7**
Stddev	5.7	302.	11.5
%RSD	.07055	.28545	.16547
#1	8094.2	105630.	6933.6
#2	8086.1	106060.	6949.9

Sample Name: 280-48951-b-3-a Acquired: 11/11/2013 21:50:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**79.132**	**.01483**	**.10198**	**.53966**	**.00365**	**-.02533**	W **670.40**	**.00208**	**.04957**
Stddev	.00028	.332	.00318	.00011	.00332	.00012	.00082	11.05	.00001	.00018
%RSD	60462.	.41971	21.456	.10740	.61451	3.1498	3.2253	1.6484	.66497	.35927
#1	.00020	78.897	.01708	.10206	.53732	.00374	-.02476	678.22	.00207	.04944
#2	-.00020	79.367	.01258	.10190	.54201	.00357	-.02591	662.59	.00209	.04970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14414**	**.10948**	**124.31**	**18.320**	**.19738**	**233.80**	**4.3971**	**.00317**	**71.893**	**.12960**
Stddev	.00021	.00088	1.61	.102	.00319	.14	.0691	.00028	.047	.00012
%RSD	.14593	.80365	1.2958	.55800	1.6173	.05835	1.5711	8.7527	.06572	.09620
#1	.14399	.11011	123.17	18.248	.19513	233.70	4.3483	.00336	71.927	.12951
#2	.14429	.10886	125.45	18.392	.19964	233.90	4.4460	.00297	71.860	.12969
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.8948**	**.04912**	**5.1901**	**.00230**	**-.00147**	**3.4731**	**7.4324**	**.00782**	**.73936**	**.03534**
Stddev	.0025	.00154	.0106	.00073	.00050	.0087	.0185	.00038	.00478	.00215
%RSD	.06482	3.1398	.20459	31.619	34.048	.24944	.24944	4.8969	.64646	6.0720
#1	3.8930	.05021	5.1826	.00281	-.00111	3.4792	7.4455	.00809	.73598	.03685
#2	3.8966	.04803	5.1976	.00178	-.00182	3.4669	7.4192	.00755	.74274	.03382
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9381**	**-.00233**	F **-.18721**	**.17063**	**.33086**	**.11525**
Stddev	.0005	.00014	.01943	.00074	.00025	.00073
%RSD	.02774	5.8273	10.376	.43449	.07616	.63441
#1	1.9377	-.00243	-.17348	.17010	.33068	.11577
#2	1.9385	-.00223	-.20095	.17115	.33104	.11474
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8112.3**	**105580.**	**6971.8**
Stddev	2.5	165.	28.1
%RSD	.03135	.15582	.40320
#1	8110.5	105690.	6991.6
#2	8114.1	105460.	6951.9

Sample Name: 280-48951-b-3-aSD@5 Acquired: 11/11/2013 21:52:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**16.354**	**.00397**	**.02105**	**.11195**	**.00078**	**-.00634**	**145.32**	**.00079**	**.01101**
Stddev	.00013	.136	.00023	.00004	.00036	.00006	.00104	.79	.00007	.00008
%RSD	41.756	.83080	5.7872	.20459	.32138	7.3184	16.372	.54606	8.9783	.72021
#1	.00022	16.258	.00413	.02108	.11169	.00083	-.00708	144.76	.00084	.01107
#2	.00040	16.450	.00380	.02102	.11220	.00074	-.00561	145.88	.00074	.01096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03020**	**.02254**	**25.374**	**3.6530**	**.04073**	**49.186**	**.93401**	**.00051**	**14.888**	**.02849**
Stddev	.00003	.00059	.104	.0438	.00036	.107	.00101	.00011	.091	.00012
%RSD	.08759	2.6255	.41114	1.1999	.87457	.21658	.10802	21.257	.61181	.43579
#1	.03022	.02213	25.301	3.6220	.04048	49.261	.93472	.00059	14.952	.02857
#2	.03019	.02296	25.448	3.6840	.04098	49.111	.93330	.00043	14.823	.02840
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.78289**	**.01187**	**1.0635**	**-.00086**	**.00059**	**.69838**	**1.4945**	**.00357**	**.15339**	**.00897**
Stddev	.00163	.00101	.0009	.00065	.00386	.01146	.0245	.00056	.00123	.00061
%RSD	.20854	8.4863	.08326	74.769	655.83	1.6410	1.6410	15.771	.80394	6.7884
#1	.78173	.01258	1.0629	-.00132	.00332	.69028	1.4772	.00318	.15252	.00854
#2	.78404	.01116	1.0642	-.00041	-.00214	.70649	1.5119	.00397	.15426	.00940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39905**	**-.00008**	**-.03456**	**.03550**	**.07614**	**.02642**
Stddev	.00109	.00058	.03583	.00015	.00021	.00046
%RSD	.27436	751.29	103.67	.41194	.28092	1.7600
#1	.39982	-.00049	-.00923	.03560	.07599	.02609
#2	.39827	.00033	-.05990	.03540	.07630	.02675
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8242.1**	**108700.**	**6661.1**
Stddev	3.6	29.	41.5
%RSD	.04406	.02675	.62302
#1	8239.6	108720.	6690.5
#2	8244.7	108680.	6631.8

Sample Name: 280-48951-b-3-b ms Acquired: 11/11/2013 21:54:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04763**	**136.48**	**.91806**	**1.0443**	**2.5665**	**.04858**	F **1.9546**	W **782.91**	**.09724**	**.46259**
Stddev	.00074	.22	.00123	.0027	.0178	.00005	.0083	3.37	.00081	.00136
%RSD	1.5509	.15870	.13362	.25471	.69332	.10409	.42652	.43006	.82805	.29312
#1	.04711	136.32	.91893	1.0462	2.5539	.04854	1.9605	785.29	.09781	.46354
#2	.04816	136.63	.91720	1.0424	2.5791	.04862	1.9487	780.53	.09667	.46163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37174**	**.35642**	**147.06**	**87.121**	**1.1872**	**304.20**	**5.2577**	**.87781**	**127.72**	**.55543**
Stddev	.00050	.00018	.73	.509	.0068	.14	.0458	.00211	.48	.00094
%RSD	.13316	.05013	.49477	.58418	.57122	.04729	.87170	.24032	.37595	.16854
#1	.37209	.35629	146.55	86.761	1.1824	304.30	5.2253	.87931	127.38	.55609
#2	.37139	.35655	147.58	87.481	1.1920	304.10	5.2901	.87632	128.05	.55476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.382**	**.45238**	**7.1683**	**.25016**	**1.7420**	**6.6487**	**14.228**	**1.6686**	**1.7682**	**.95663**
Stddev	.022	.00063	.0109	.00127	.0030	.0404	.087	.0084	.0094	.00386
%RSD	.16120	.13921	.15236	.50571	.17240	.60824	.60824	.50359	.53360	.40389
#1	13.397	.45283	7.1760	.25106	1.7399	6.6201	14.167	1.6745	1.7616	.95936
#2	13.367	.45194	7.1606	.24927	1.7441	6.6773	14.289	1.6626	1.7749	.95390
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9272**	**1.4825**	**1.7115**	**.70742**	**.79767**	**.62694**
Stddev	.0005	.0056	.0014	.00130	.00274	.00110
%RSD	.01228	.37730	.08024	.18344	.34323	.17598
#1	3.9276	1.4864	1.7106	.70834	.79961	.62616
#2	3.9269	1.4785	1.7125	.70651	.79573	.62772
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8063.1**	**104860.**	**6891.8**
Stddev	18.6	165.	25.2
%RSD	.23044	.15720	.36537
#1	8050.0	104740.	6874.0
#2	8076.2	104970.	6909.6

Sample Name: 280-48951-b-3-c msd Acquired: 11/11/2013 21:57:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04782**	**133.62**	**.92287**	**1.0731**	**2.5128**	**.04859**	F **1.9707**	W **691.48**	**.09781**	**.46128**
Stddev	.00033	.38	.00147	.0021	.0066	.00029	.0018	12.87	.00022	.00060
%RSD	.69274	.28685	.15950	.19116	.26330	.58724	.08907	1.8615	.22626	.12919
#1	.04758	133.35	.92392	1.0717	2.5081	.04839	1.9695	700.59	.09766	.46086
#2	.04805	133.89	.92183	1.0746	2.5175	.04880	1.9720	682.38	.09797	.46170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36405**	**.34873**	**135.11**	**87.387**	**1.1678**	**279.75**	**4.7570**	**.87776**	**119.87**	**.54734**
Stddev	.00055	.00030	.06	.237	.0004	.63	.0044	.00188	.55	.00019
%RSD	.15159	.08544	.04622	.27096	.03037	.22398	.09271	.21432	.45487	.03529
#1	.36366	.34894	135.15	87.220	1.1681	279.31	4.7601	.87643	119.49	.54720
#2	.36444	.34852	135.06	87.555	1.1676	280.19	4.7539	.87909	120.26	.54747
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.980**	**.45337**	**6.7118**	**.24808**	**1.7578**	**6.0843**	**13.020**	**1.6711**	**1.6807**	**.95411**
Stddev	.034	.00197	.0004	.00278	.0009	.0333	.071	.0078	.0019	.00268
%RSD	.26242	.43529	.00669	1.1197	.05208	.54773	.54773	.46720	.11297	.28067
#1	12.956	.45197	6.7121	.24612	1.7572	6.0607	12.970	1.6655	1.6794	.95222
#2	13.004	.45476	6.7115	.25005	1.7584	6.1079	13.071	1.6766	1.6821	.95601
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9474**	**1.4972**	**1.7495**	**.70267**	**.76077**	**.61651**
Stddev	.0031	.0003	.0471	.00080	.00112	.00179
%RSD	.07916	.01802	2.6942	.11454	.14749	.29102
#1	3.9452	1.4970	1.7828	.70324	.75998	.61778
#2	3.9496	1.4974	1.7161	.70211	.76157	.61524
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.2**	**106260.**	**7040.2**
Stddev	21.0	103.	17.6
%RSD	.25829	.09728	.24989
#1	8130.0	106330.	7027.7
#2	8100.4	106190.	7052.6

Sample Name: 280-48951-b-4-a Acquired: 11/11/2013 21:59:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**42.955**	**.03001**	**.06661**	**.41406**	**.00203**	**-.01477**	**297.75**	**.01064**	**.03086**
Stddev	.00001	.028	.00165	.00045	.00093	.00001	.00280	.63	.00012	.00008
%RSD	.32319	.06477	5.4827	.67929	.22575	.39909	18.946	.21312	1.0956	.25952
#1	.00296	42.975	.03118	.06629	.41340	.00202	-.01280	298.20	.01056	.03092
#2	.00297	42.935	.02885	.06693	.41472	.00203	-.01675	297.30	.01072	.03080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35320**	**.43274**	**79.750**	**9.1781**	**.07840**	**142.43**	**1.6994**	**.01273**	**1.4759**	**.11722**
Stddev	.00072	.00204	.412	.0026	.00196	.66	.0014	.00008	.0228	.00072
%RSD	.20307	.47224	.51722	.02789	2.4944	.46259	.08021	.59664	1.5443	.61454
#1	.35269	.43130	80.042	9.1799	.07978	142.89	1.7004	.01268	1.4920	.11671
#2	.35371	.43419	79.458	9.1762	.07702	141.96	1.6984	.01279	1.4598	.11773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.6310**	**.72714**	**9.3909**	**.00322**	**.00325**	**2.5595**	**5.4773**	**.03162**	**.36061**	**.01751**
Stddev	.0134	.00375	.0173	.00173	.00085	.0068	.0146	.00068	.00013	.00040
%RSD	.28882	.51595	.18453	53.676	26.151	.26604	.26604	2.1356	.03730	2.2714
#1	4.6216	.72448	9.3787	.00445	.00265	2.5643	5.4876	.03115	.36071	.01723
#2	4.6405	.72979	9.4032	.00200	.00386	2.5547	5.4670	.03210	.36052	.01779
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96013**	**.00139**	F **-.12059**	**.10505**	**1.8216**	**.02855**
Stddev	.00182	.00132	.01431	.00051	.0005	.00020
%RSD	.18919	94.934	11.865	.48433	.02597	.70490
#1	.96141	.00046	-.13071	.10469	1.8219	.02870
#2	.95885	.00232	-.11048	.10541	1.8212	.02841
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8315.2**	**109760.**	**7009.3**
Stddev	24.0	495.	76.8
%RSD	.28832	.45095	1.0956
#1	8332.2	109410.	7063.6
#2	8298.3	110110.	6955.0

Sample Name: 280-48951-b-5-a Acquired: 11/11/2013 22:02:07 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**44.335**	**.03000**	**.06220**	**.43216**	**.00212**	**-.01577**	**355.67**	**.01031**	**.03494**
Stddev	.00002	.028	.00286	.00049	.00017	.00003	.00193	9.27	.00023	.00024
%RSD	1.0202	.06240	9.5243	.78822	.03886	1.4055	12.259	2.6072	2.1914	.67737
#1	.00210	44.315	.03203	.06186	.43228	.00214	-.01714	349.12	.01047	.03511
#2	.00207	44.354	.02798	.06255	.43204	.00210	-.01441	362.23	.01016	.03478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35046**	**.46543**	**85.430**	**9.1757**	**.08366**	**165.10**	**1.8086**	**.01268**	**4.2470**	**.11976**
Stddev	.00042	.00064	.849	.0329	.00263	.16	.0031	.00020	.0193	.00023
%RSD	.11891	.13847	.99391	.35889	3.1392	.09449	.16912	1.5621	.45361	.19184
#1	.35017	.46497	86.030	9.1990	.08552	164.99	1.8065	.01282	4.2606	.11960
#2	.35076	.46588	84.829	9.1524	.08181	165.21	1.8108	.01254	4.2334	.11992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.8586**	**.87058**	**12.254**	**.00343**	**.00099**	**2.5785**	**5.5180**	**.03290**	**.43008**	**.01582**
Stddev	.0119	.00027	.004	.00149	.00032	.0372	.0796	.00068	.00110	.00319
%RSD	.24466	.03147	.03480	43.538	31.891	1.4421	1.4421	2.0577	.25553	20.160
#1	4.8501	.87039	12.251	.00449	.00077	2.6048	5.5743	.03242	.43085	.01356
#2	4.8670	.87077	12.257	.00237	.00122	2.5522	5.4617	.03338	.42930	.01807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0882**	**.00031**	W **-.09622**	**.11764**	**1.8638**	**.03636**
Stddev	.0003	.00084	.02935	.00044	.0054	.00215
%RSD	.02569	269.82	30.503	.37374	.29077	5.9062
#1	1.0884	-.00028	-.07547	.11733	1.8600	.03788
#2	1.0880	.00090	-.11698	.11795	1.8677	.03484
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8260.9**	**108590.**	**6950.4**
Stddev	5.0	319.	4.3
%RSD	.06071	.29338	.06239
#1	8264.4	108370.	6953.5
#2	8257.3	108820.	6947.4

Sample Name: 280-48951-b-7-a Acquired: 11/11/2013 22:04:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01473**	**80.878**	**.07601**	**.09561**	**.77153**	**.00460**	**-.01844**	**385.79**	**.04034**	**.05523**
Stddev	.00046	.449	.00032	.00027	.00202	.00001	.00260	3.68	.00012	.00039
%RSD	3.1280	.55524	.42016	.28537	.26126	.31912	14.105	.95360	.29383	.70296
#1	.01440	80.560	.07579	.09542	.77010	.00459	-.02028	388.39	.04042	.05496
#2	.01505	81.195	.07624	.09580	.77295	.00461	-.01660	383.19	.04025	.05551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79277**	**.55698**	**134.31**	**15.842**	**.16166**	**185.11**	**2.6611**	**.01772**	**12.436**	**.20092**
Stddev	.00096	.00113	.31	.074	.00274	.49	.0293	.00001	.045	.00008
%RSD	.12137	.20344	.23241	.46956	1.6977	.26479	1.0998	.06655	.36015	.03827
#1	.79345	.55618	134.09	15.789	.15972	184.76	2.6404	.01772	12.405	.20086
#2	.79209	.55778	134.53	15.894	.16360	185.45	2.6818	.01773	12.468	.20097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5977**	**2.3015**	**15.456**	**.00792**	**.00395**	**2.8785**	**6.1599**	**.07274**	**.69243**	**.03150**
Stddev	.0087	.0037	.007	.00189	.00048	.0312	.0667	.00001	.00176	.00098
%RSD	.11476	.16139	.04278	23.850	12.058	1.0834	1.0834	.01585	.25372	3.1123
#1	7.5915	2.3041	15.461	.00925	.00429	2.8564	6.1127	.07275	.69118	.03219
#2	7.6038	2.2989	15.452	.00658	.00361	2.9005	6.2071	.07274	.69367	.03080
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3572**	**-.00026**	F **-.12852**	**.17839**	**2.9312**	**.06502**
Stddev	.0003	.00135	.02930	.00027	.0081	.00031
%RSD	.02520	521.94	22.801	.14939	.27729	.46987
#1	1.3575	.00070	-.14924	.17858	2.9369	.06524
#2	1.3570	-.00121	-.10780	.17820	2.9254	.06481
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8379.8**	**109330.**	**7171.2**
Stddev	24.3	230.	12.1
%RSD	.28994	.21075	.16844
#1	8362.6	109490.	7179.7
#2	8397.0	109160.	7162.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 22:07:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00808**	**51.569**	**.00104**	**.00085**	**.00007**	**-.00013**	W **1.0985**	**.06957**	**-.00011**	**-.00038**	**.00023**	**.01235**
Stddev	.00016	.278	.00069	.00045	.00018	.00005	.0002	.00726	.00000	.00008	.00006	.00038
%RSD	1.9397	.53993	66.852	52.261	273.94	39.224	.01861	10.436	4.5212	20.130	24.080	3.1110
#1	.00819	51.766	.00055	.00117	-.00006	-.00010	1.0984	.07470	-.00010	-.00043	.00027	.01262
#2	.00797	51.372	.00153	.00054	.00019	-.00017	1.0987	.06443	-.00011	-.00032	.00019	.01208
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.632**	**-.00821**	**-.00253**	**.10332**	**.00103**	**.00003**	**265.86**	**-.00003**	**-.00356**	**.00084**	W **5.2786**	**.00139**
Stddev	.661	.01275	.00082	.00309	.00002	.00001	.23	.00034	.00060	.00048	.0017	.00152
%RSD	1.3061	155.32	32.340	2.9926	2.1625	31.663	.08554	1217.0	16.842	56.897	.03217	109.18
#1	51.100	.00081	-.00311	.10551	.00101	.00004	266.02	-.00027	-.00314	.00050	5.2798	.00247
#2	50.164	-.01722	-.00195	.10113	.00104	.00002	265.70	.00021	-.00398	.00118	5.2774	.00032
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00588**	**.01371**	**.02934**	**.00030**	**.00024**	**4.9985**	**-.01279**	**.00076**	F **6.3517**	**.00125**	**.00187**	**.06336**
Stddev	.00109	.00494	.01058	.00089	.00003	.0150	.00028	.00014	.0409	.00004	.00004	.00842
%RSD	18.558	36.055	36.055	295.62	11.807	.30077	2.1944	18.260	.64333	3.2781	1.9152	13.294
#1	-.00665	.01720	.03681	.00093	.00022	4.9878	-.01259	.00067	6.3806	.00122	.00190	.06931
#2	-.00511	.01021	.02186	-.00033	.00026	5.0091	-.01299	.00086	6.3228	.00128	.00185	.05740
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.2**	**108550.**	**6661.1**
Stddev	6.7	356.	19.1
%RSD	.08191	.32826	.28721
#1	8200.9	108300.	6647.6
#2	8191.4	108810.	6674.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 22:09:23 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52212**	F **.55743**	**1.0386**	**.52357**	**.52088**	**.50762**	**-.00554**	**5.2733**	**.52582**	**.52300**	**.52581**	**.52531**	**2.5539**
Stddev	.00147	.00073	.0064	.00029	.00281	.00438	.00085	.0211	.00045	.00031	.00065	.00015	.0008
%RSD	.28150	.13026	.61430	.05568	.54013	.86277	15.243	.40024	.08556	.05869	.12320	.02847	.03312
#1	.52108	.55794	1.0341	.52337	.51889	.50452	-.00495	5.2584	.52551	.52278	.52627	.52521	2.5533
#2	.52316	.55691	1.0431	.52378	.52287	.51072	-.00614	5.2882	.52614	.52322	.52535	.52542	2.5545
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.154**	**1.0307**	**20.805**	**.51499**	**.53149**	**5.3191**	**.52892**	**1.0460**	**1.0659**	**.04482**	**1.0519**	**1.0512**	**5.0664**
Stddev	.190	.0049	.024	.00076	.00382	.0289	.00017	.0085	.0068	.00349	.0037	.0014	.0137
%RSD	.35738	.47063	.11317	.14691	.71928	.54387	.03236	.81569	.63470	7.7784	.35116	.13775	.27093
#1	53.019	1.0273	20.788	.51446	.52878	5.2987	.52904	1.0400	1.0611	.04729	1.0493	1.0523	5.0567
#2	53.288	1.0342	20.821	.51553	.53419	5.3396	.52880	1.0520	1.0706	.04236	1.0545	1.0502	5.0761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.842**	**1.0635**	**.51895**	**-.00367**	**.51026**	**1.0707**	**.02940**	**.51759**	**.52906**	**.51908**
Stddev	.029	.0010	.00255	.00119	.00082	.0021	.02783	.00136	.00016	.00268
%RSD	.27093	.09261	.49081	32.500	.16083	.19670	94.680	.26327	.02979	.51595
#1	10.821	1.0642	.51715	-.00451	.50968	1.0722	.04908	.51855	.52895	.52098
#2	10.863	1.0628	.52075	-.00282	.51084	1.0692	.00972	.51663	.52918	.51719
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.5**	**111470.**	**6762.1**
Stddev	12.4	421.	26.2
%RSD	.14803	.37759	.38750
#1	8356.7	111770.	6780.7
#2	8374.2	111170.	6743.6

Sample Name: CCB Acquired: 11/11/2013 22:11:30 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**-.00099**	**.00062**	**-.00024**	**-.00032**	**.00002**	**-.00188**	**.01990**	**.00000**	**.00017**	**-.00007**	**.00010**
Stddev	.00003	.00005	.00292	.00025	.00021	.00009	.00082	.00102	.0000	.00004	.00012	.00051
%RSD	4.8553	4.9527	474.68	105.75	64.988	450.63	43.775	5.1308	339.50	26.074	174.40	522.13
#1	.00063	-.00095	-.00145	-.00006	-.00017	.00008	-.00130	.01918	.00001	.00020	-.00016	-.00026
#2	.00059	-.00102	.00268	-.00042	-.00046	-.00004	-.00246	.02062	-.00002	.00014	.00002	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00394**	**-.03775**	**-.00160**	**.00597**	**.00013**	**.00054**	**-.00979**	**.00034**	**-.00397**	**-.00084**	**.04704**	F **.00795**
Stddev	.00336	.03107	.00146	.00283	.00000	.00018	.00752	.00024	.00173	.00020	.00058	.00119
%RSD	85.122	82.300	91.149	47.394	3.5857	34.351	76.825	70.731	43.580	23.365	1.2225	14.904
#1	.00632	-.01578	-.00057	.00397	.00013	.00067	-.01511	.00051	-.00520	-.00070	.04663	.00712
#2	.00157	-.05972	-.00263	.00797	.00013	.00041	-.00447	.00017	-.00275	-.00098	.04744	.00879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.01064**	**.02276**	**.00033**	**.00003**	**.00070**	**-.00031**	**-.00038**	**-.00427**	**.00034**	**.00303**	W **.00287**
Stddev	.00053	.00721	.01543	.00005	.00002	.00241	.00008	.00114	.00957	.00057	.00025	.00141
%RSD	53.446	67.802	67.802	15.939	69.001	343.50	25.112	300.23	223.94	167.32	8.3332	49.234
#1	.00062	.01574	.03368	.00029	.00002	-.00100	-.00036	.00043	.00249	-.00006	.00285	.00387
#2	.00137	.00554	.01185	.00036	.00005	.00241	-.00025	-.00119	-.01104	.00074	.00321	.00187
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8430.9**	**113780.**	**6612.3**
Stddev	15.3	474.	38.0
%RSD	.18111	.41637	.57423
#1	8420.1	114120.	6585.4
#2	8441.7	113450.	6639.1

Sample Name: CCVL2372865 Acquired: 11/11/2013 22:13:47 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01158**	**.11446**	**.01491**	**.10367**	**.01045**	**.00101**	F **.13025**	**.22634**	**.00540**	**.01113**	**.01098**	**.01686**	**.10858**
Stddev	.00004	.00072	.00192	.00092	.00017	.00006	.00176	.00568	.00017	.00015	.00009	.00001	.00192
%RSD	.37637	.62702	12.881	.88933	1.6348	6.2523	1.3548	2.5089	3.1278	1.3223	.82004	.04548	1.7638
#1	.01155	.11396	.01355	.10432	.01057	.00096	.13150	.22232	.00552	.01123	.01091	.01687	.10723
#2	.01161	.11497	.01626	.10301	.01033	.00105	.12900	.23036	.00529	.01103	.01104	.01686	.10993
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2320**	**.00961**	**.22520**	**.01066**	**.02109**	**1.0903**	**.04446**	**3.0938**	**.00990**	**.04152**	**.01062**	**.01590**	**.51505**
Stddev	.0706	.00044	.00240	.00000	.00013	.0227	.00004	.0123	.00029	.00037	.00059	.00215	.01139
%RSD	2.1840	4.6024	1.0657	.00780	.60752	2.0844	.09926	.39861	2.9755	.88479	5.5976	13.502	2.2113
#1	3.1821	.00930	.22690	.01066	.02100	1.0742	.04449	3.1026	.01010	.04178	.01020	.01742	.50700
#2	3.2819	.00993	.22350	.01066	.02118	1.1064	.04443	3.0851	.00969	.04126	.01104	.01439	.52310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1022**	**.10857**	**.01061**	**.01524**	**.00961**	**.01822**	F **.10370**	**.01056**	**.02410**	**.01738**
Stddev	.0244	.00051	.00006	.00083	.00030	.00006	.01275	.00053	.00019	.00009
%RSD	2.2113	.47076	.56467	5.4691	3.0750	.32601	12.296	4.9749	.78196	.49589
#1	1.0850	.10821	.01065	.01465	.00982	.01817	.09468	.01093	.02397	.01744
#2	1.1194	.10894	.01057	.01583	.00940	.01826	.11272	.01018	.02423	.01732
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8606.6**	**117560.**	**6783.2**
Stddev	65.8	287.	35.4
%RSD	.76471	.24446	.52255
#1	8653.1	117760.	6808.2
#2	8560.1	117360.	6758.1

Sample Name: 280-48951-b-9-a Acquired: 11/11/2013 22:16:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**80.594**	**.01622**	**.10555**	**.49521**	**.00369**	**-.02285**	W **764.86**	**.00276**	**.05402**
Stddev	.00046	.026	.00107	.00057	.00147	.00006	.00219	4.89	.00006	.00019
%RSD	268.35	.03256	6.5704	.54145	.29626	1.7198	9.5811	.63918	2.2815	.34374
#1	.00015	80.575	.01697	.10514	.49624	.00374	-.02440	761.40	.00280	.05389
#2	-.00049	80.612	.01547	.10595	.49417	.00365	-.02130	768.31	.00271	.05415
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15126**	**.12692**	**130.04**	**18.027**	**.20757**	**305.29**	**4.4376**	**.00354**	**22.525**	**.13755**
Stddev	.00020	.00019	.79	.038	.00233	.60	.0521	.00022	.199	.00010
%RSD	.13327	.14663	.60811	.21062	1.1239	.19569	1.1749	6.2575	.88340	.07184
#1	.15112	.12706	129.48	18.000	.20592	305.72	4.4007	.00339	22.384	.13762
#2	.15141	.12679	130.60	18.054	.20922	304.87	4.4744	.00370	22.666	.13748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9186**	**.07273**	**4.3627**	**.00404**	**-.00129**	**3.0761**	**6.5829**	**.00894**	**.80929**	**.03751**
Stddev	.0056	.00066	.0049	.00281	.00135	.0614	.1314	.00022	.00068	.00137
%RSD	.14377	.90743	.11236	69.705	105.22	1.9958	1.9958	2.4985	.08367	3.6436
#1	3.9146	.07320	4.3592	.00205	-.00033	3.0327	6.4900	.00878	.80977	.03847
#2	3.9226	.07227	4.3662	.00603	-.00224	3.1195	6.6758	.00909	.80881	.03654
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9482**	**-.00153**	F **-.16236**	**.18255**	**.43553**	**.11497**
Stddev	.0028	.00149	.02602	.00055	.00087	.00149
%RSD	.14390	97.442	16.025	.29884	.19957	1.2919
#1	1.9502	-.00048	-.18076	.18217	.43492	.11602
#2	1.9462	-.00259	-.14397	.18294	.43615	.11392
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8111.9**	**106010.**	**6976.8**
Stddev	9.2	202.	14.0
%RSD	.11376	.19074	.20064
#1	8105.4	106160.	6966.9
#2	8118.4	105870.	6986.7

Sample Name: 280-48951-b-11-a Acquired: 11/11/2013 22:18:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**56.907**	**.02066**	**.08067**	**.56042**	**.00259**	**-.01934**	W **821.10**	**.00250**	**.04308**
Stddev	.00028	.193	.00126	.00036	.00040	.00008	.00127	10.87	.00015	.00020
%RSD	186.25	.33970	6.1072	.44037	.07159	2.8993	6.5698	1.3235	6.0636	.46037
#1	.00034	57.044	.02155	.08092	.56014	.00265	-.02024	813.42	.00260	.04294
#2	-.00005	56.770	.01977	.08042	.56070	.00254	-.01845	828.78	.00239	.04322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10634**	**.11932**	**104.46**	**13.304**	**.15678**	**223.29**	**3.4908**	**.01309**	**24.888**	**.11123**
Stddev	.00007	.00014	.16	.053	.00055	1.57	.0215	.00003	.050	.00071
%RSD	.06362	.11603	.14838	.39762	.35146	.70214	.61477	.23555	.20065	.63971
#1	.10638	.11941	104.35	13.342	.15717	222.18	3.5060	.01311	24.923	.11073
#2	.10629	.11922	104.57	13.267	.15639	224.40	3.4757	.01307	24.852	.11173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.1644**	**.04938**	**28.271**	**.00019**	**.00477**	**2.7229**	**5.8270**	**.00572**	**1.5083**	**.02559**
Stddev	.0040	.00176	.034	.00035	.00068	.0084	.0179	.00036	.0018	.00278
%RSD	.12785	3.5721	.12198	183.30	14.338	.30737	.30737	6.2210	.11986	10.877
#1	3.1673	.04813	28.246	.00044	.00525	2.7288	5.8396	.00547	1.5071	.02362
#2	3.1615	.05063	28.295	-.00006	.00428	2.7170	5.8143	.00597	1.5096	.02756
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4245**	**-.00014**	F **-.14483**	**.14860**	**.37531**	**.08408**
Stddev	.0046	.00150	.01330	.00023	.00060	.00235
%RSD	.32418	1098.3	9.1829	.15476	.15955	2.7964
#1	1.4212	-.00119	-.15423	.14844	.37489	.08574
#2	1.4277	.00092	-.13543	.14876	.37573	.08242
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8052.9**	**106250.**	**7038.8**
Stddev	8.6	462.	.5
%RSD	.10680	.43453	.00726
#1	8046.8	106580.	7039.1
#2	8059.0	105930.	7038.4

Sample Name: 280-48951-b-12-a Acquired: 11/11/2013 22:21:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01273**	**85.833**	**.08766**	**.09583**	**.88283**	**.00503**	**-.02296**	**445.14**	**.04503**	**.06231**
Stddev	.00008	.071	.00189	.00042	.00138	.00000	.00213	13.18	.00011	.00005
%RSD	.62616	.08228	2.1525	.43771	.15681	.02641	9.2981	2.9602	.24682	.08037
#1	.01267	85.783	.08633	.09613	.88381	.00503	-.02447	435.83	.04511	.06235
#2	.01278	85.883	.08900	.09554	.88185	.00503	-.02145	454.46	.04496	.06227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0189**	**.68337**	**151.81**	**15.856**	**.17116**	**207.83**	**2.9621**	**.02056**	**15.435**	**.23011**
Stddev	.0032	.00129	.39	.015	.00108	1.57	.0092	.00030	.065	.00023
%RSD	.31907	.18865	.25838	.09328	.63217	.75444	.31167	1.4569	.42313	.09998
#1	1.0212	.68246	152.09	15.866	.17193	208.94	2.9556	.02035	15.389	.23027
#2	1.0166	.68428	151.54	15.846	.17040	206.72	2.9687	.02077	15.481	.22995
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.9692**	**2.6828**	**17.596**	**.01531**	**.00448**	**2.8381**	**6.0736**	**.08661**	**.79105**	**.03073**
Stddev	.0312	.0052	.074	.00203	.00105	.0195	.0417	.00001	.00114	.00223
%RSD	.34798	.19471	.42107	13.281	23.420	.68663	.68663	.00833	.14391	7.2401
#1	8.9913	2.6865	17.649	.01674	.00374	2.8519	6.1031	.08661	.79186	.03231
#2	8.9472	2.6791	17.544	.01387	.00523	2.8243	6.0441	.08660	.79025	.02916
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3226**	**-.00036**	F **-.12690**	**.19406**	**3.4512**	**.06609**
Stddev	.0049	.00034	.07847	.00049	.0042	.00091
%RSD	.36642	94.224	61.840	.24997	.12154	1.3794
#1	1.3260	-.00060	-.18238	.19440	3.4542	.06673
#2	1.3192	-.00012	-.07141	.19372	3.4483	.06545
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8388.7**	**110450.**	**7236.9**
Stddev	39.4	8.	9.9
%RSD	.46962	.00703	.13743
#1	8360.9	110440.	7243.9
#2	8416.6	110450.	7229.8

Sample Name: 280-48951-b-14-a Acquired: 11/11/2013 22:23:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**39.646**	**.01824**	**.06946**	**.26888**	**.00189**	**-.01406**	W **734.03**	**.00245**	**.03626**
Stddev	.00033	.128	.00162	.00114	.00109	.00001	.00051	8.18	.00001	.00062
%RSD	144.25	.32171	8.8696	1.6353	.40618	.27078	3.5959	1.1138	.22850	1.7133
#1	.00000	39.736	.01939	.06866	.26965	.00189	-.01370	739.81	.00244	.03582
#2	.00046	39.556	.01710	.07027	.26811	.00189	-.01442	728.25	.00245	.03670
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07911**	**.10068**	**80.577**	**8.7178**	**.11487**	**308.74**	**3.8548**	**.00814**	**10.274**	W **10.824**
Stddev	.00031	.00010	.119	.0659	.00041	.71	.0167	.00003	.029	.156
%RSD	.39391	.09668	.14802	.75611	.35503	.23031	.43198	.41936	.28614	1.4426
#1	.07889	.10075	80.661	8.7644	.11515	308.24	3.8430	.00816	10.295	10.714
#2	.07933	.10061	80.493	8.6712	.11458	309.24	3.8665	.00811	10.254	10.934
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08344**	W **2.3804**	**.04472**	**23.859**	**.00177**	**.00020**	**2.5867**	**5.5356**	**.00504**	**1.1899**
Stddev	.00010	.0073	.00030	.003	.00065	.00192	.0242	.0518	.00027	.0044
%RSD	.11426	.30489	.66524	.01120	36.742	981.25	.93600	.93600	5.3600	.36717
#1	.08337	2.3753	.04451	23.857	.00223	.00155	2.6039	5.5723	.00485	1.1930
#2	.08351	2.3855	.04493	23.861	.00131	-.00116	2.5696	5.4990	.00523	1.1868
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01927**	**1.2947**	**-.00127**	F **-.11667**	**.12164**	**.36393**	**.06265**
Stddev	.00051	.0053	.00063	.02283	.00032	.00099	.00184
%RSD	2.6336	.41038	50.050	19.568	.26297	.27233	2.9361
#1	.01891	1.2909	-.00172	-.13281	.12187	.36323	.06135
#2	.01963	1.2984	-.00082	-.10053	.12141	.36463	.06395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8046.1**	**105910.**	**6987.5**
Stddev	16.4	101.	1.6
%RSD	.20399	.09512	.02361
#1	8034.5	105980.	6988.7
#2	8057.8	105840.	6986.3

Sample Name: 280-48860-a-1-a Acquired: 11/11/2013 22:26:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**96.991**	**.07410**	**.06845**	**.99877**	**.00242**	**-.02462**	**72.037**	**.00125**	**.04286**
Stddev	.00021	.013	.00041	.00024	.00068	.00002	.00243	.080	.00001	.00010
%RSD	34.423	.01332	.55138	.35105	.06767	.78566	9.8668	.11098	1.0677	.24277
#1	-.00075	96.982	.07439	.06828	.99925	.00243	-.02290	71.980	.00124	.04278
#2	-.00045	97.000	.07381	.06862	.99829	.00240	-.02634	72.093	.00126	.04293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29103**	**.07216**	**95.323**	**14.541**	**.03530**	**52.840**	**1.7479**	**.00129**	**6.5792**	**.41482**
Stddev	.00029	.00068	.524	.035	.00066	.016	.0004	.00004	.0129	.00109
%RSD	.10124	.93744	.54979	.23880	1.8649	.03043	.02112	2.7758	.19615	.26299
#1	.29082	.07168	95.694	14.565	.03576	52.851	1.7477	.00132	6.5700	.41405
#2	.29124	.07264	94.953	14.516	.03483	52.828	1.7482	.00127	6.5883	.41559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6035**	**.08416**	**.62356**	**-.00387**	**-.00145**	**3.2553**	**6.9663**	**.00777**	**.52306**	**.02723**
Stddev	.0038	.00037	.00125	.00294	.00043	.0886	.1895	.00038	.00059	.00258
%RSD	.10539	.44136	.20104	75.915	29.857	2.7203	2.7203	4.8893	.11275	9.4634
#1	3.6009	.08389	.62268	-.00595	-.00114	3.3179	7.1003	.00804	.52264	.02541
#2	3.6062	.08442	.62445	-.00179	-.00175	3.1927	6.8323	.00750	.52347	.02905
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8238**	**-.00279**	F **-.12426**	**.27261**	**.18661**	**.02402**
Stddev	.0043	.00020	.01748	.00086	.00035	.00250
%RSD	.23876	7.1535	14.071	.31657	.18664	10.399
#1	1.8208	-.00265	-.13662	.27322	.18685	.02226
#2	1.8269	-.00293	-.11189	.27200	.18636	.02579
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8823.9**	**116970.**	**7276.2**
Stddev	6.7	200.	25.7
%RSD	.07622	.17117	.35296
#1	8819.1	116830.	7294.4
#2	8828.7	117120.	7258.1

Sample Name: 280-48860-a-2-a Acquired: 11/11/2013 22:28:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**171.29**	**.15803**	**.10524**	**1.4848**	**.00220**	W **-.08427**	W **758.53**	**.00299**	**.18880**
Stddev	.00044	1.16	.00577	.00006	.0054	.00011	.00899	16.61	.00028	.00037
%RSD	116.67	.67866	3.6518	.05776	.36205	4.9672	10.665	2.1893	9.5260	.19643
#1	-.00069	172.11	.16211	.10529	1.4886	.00212	-.09063	770.27	.00319	.18907
#2	-.00007	170.47	.15394	.10520	1.4810	.00228	-.07792	746.79	.00279	.18854
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.05000	500.00		
Low Limit							-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5760**	**.27152**	**290.27**	**13.606**	**.20379**	**202.42**	**5.3044**	**.00623**	**1.7788**	**1.9062**
Stddev	.0029	.00048	1.05	.079	.00031	1.14	.0325	.00012	.0120	.0033
%RSD	.18518	.17664	.36099	.57726	.15244	.56363	.61174	1.9464	.67410	.17500
#1	1.5739	.27186	291.01	13.661	.20401	203.22	5.2815	.00614	1.7873	1.9038
#2	1.5780	.27118	289.53	13.550	.20357	201.61	5.3274	.00631	1.7703	1.9085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.4302**	**.08670**	**3.8600**	**.01932**	**-.00323**	**1.8665**	**3.9943**	**.02848**	**.97034**	**.02262**
Stddev	.0109	.00143	.0089	.00032	.00266	.0286	.0613	.00032	.00396	.00091
%RSD	.24552	1.6448	.23000	1.6704	82.256	1.5348	1.5348	1.1327	.40784	4.0266
#1	4.4225	.08771	3.8537	.01955	-.00135	1.8867	4.0376	.02825	.97314	.02326
#2	4.4379	.08569	3.8663	.01909	-.00511	1.8462	3.9509	.02871	.96754	.02198
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.373**	**-.00265**	F **-.11707**	**.70890**	**.79986**	**.12965**
Stddev	.130	.00061	.01323	.00011	.00222	.00313
%RSD	.90448	22.839	11.297	.01600	.27757	2.4171
#1	14.281	-.00308	-.12642	.70882	.80143	.13186
#2	14.465	-.00223	-.10772	.70898	.79829	.12743
Check ?	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000		50.000			
Low Limit	-.01000		-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8255.1**	**108910.**	**7282.7**
Stddev	5.0	301.	62.2
%RSD	.06076	.27600	.85365
#1	8258.7	108690.	7238.7
#2	8251.6	109120.	7326.7

Sample Name: 280-48860-a-3-a Acquired: 11/11/2013 22:30:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**72.760**	**.04591**	**.04664**	**.49281**	**.00095**	**-.03272**	**38.329**	**.00154**	**.05543**
Stddev	.00037	.188	.00042	.00025	.00063	.00007	.00146	.126	.00004	.00042
%RSD	44.257	.25782	.91236	.53210	.12717	6.9413	4.4640	.32755	2.4252	.75681
#1	.00109	72.627	.04561	.04681	.49237	.00100	-.03168	38.240	.00151	.05514
#2	.00057	72.893	.04620	.04646	.49326	.00090	-.03375	38.418	.00157	.05573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51940**	**.20137**	**94.744**	**14.127**	**.04732**	**43.950**	**1.3299**	**.01131**	**6.3547**	**.42986**
Stddev	.00011	.00037	.270	.012	.00203	.194	.0049	.00014	.0106	.00388
%RSD	.02049	.18575	.28475	.08607	4.2954	.44084	.37175	1.2527	.16656	.90194
#1	.51948	.20111	94.553	14.118	.04876	44.087	1.3334	.01142	6.3472	.42712
#2	.51933	.20164	94.934	14.135	.04589	43.813	1.3264	.01121	6.3622	.43261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6034**	**.25936**	**32.275**	**-.00011**	**.00342**	**.97256**	**2.0813**	**.01104**	**.24902**	**.01389**
Stddev	.0092	.00102	.043	.00104	.00380	.01522	.0326	.00021	.00008	.00106
%RSD	.25673	.39456	.13319	939.08	111.04	1.5654	1.5654	1.9054	.03378	7.6659
#1	3.5968	.25864	32.306	.00062	.00611	.96179	2.0582	.01119	.24896	.01464
#2	3.6099	.26008	32.245	-.00085	.00074	.98332	2.1043	.01089	.24908	.01314
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4350**	**-.00097**	W **-.06147**	**.35560**	**.61147**	**.02148**
Stddev	.0095	.00076	.02551	.00110	.00214	.00003
%RSD	.21320	78.552	41.492	.31025	.34964	.14132
#1	4.4416	-.00151	-.04344	.35638	.61299	.02145
#2	4.4283	-.00043	-.07951	.35482	.60996	.02150
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8608.3**	**115190.**	**7190.4**
Stddev	3.3	1169.	59.3
%RSD	.03833	1.0147	.82452
#1	8610.7	114360.	7232.3
#2	8606.0	116010.	7148.5

Sample Name: 280-48860-a-4-a Acquired: 11/11/2013 22:33:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00117**	**.79940**	**.01470**	**.01693**	**.08985**	**-.00002**	**.00175**	**28.376**	**.00129**	**.00394**
Stddev	.00019	.00431	.00125	.00008	.00023	.00000	.00252	.080	.00002	.00007
%RSD	16.334	.53959	8.5210	.49203	.25597	8.2031	144.57	.28259	1.1863	1.8610
#1	.00131	.80245	.01558	.01699	.09001	-.00002	.00353	28.319	.00127	.00389
#2	.00104	.79635	.01381	.01687	.08969	-.00002	-.00004	28.432	.00130	.00400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02084**	**.01868**	**1.6385**	**1.1784**	**.00135**	**2.0017**	**.08098**	**.00123**	**.51749**	**.04516**
Stddev	.00005	.00025	.0153	.0507	.00073	.0086	.00014	.00004	.01588	.00035
%RSD	.22230	1.3451	.93307	4.3016	53.886	.42886	.16878	2.9322	3.0681	.78089
#1	.02087	.01886	1.6494	1.1426	.00186	1.9956	.08088	.00126	.52872	.04491
#2	.02080	.01850	1.6277	1.2143	.00084	2.0077	.08107	.00121	.50627	.04541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.79980**	**.29155**	**4.0789**	**.00435**	**.01497**	**.51955**	**1.1118**	**.00848**	**.09352**	**.00161**
Stddev	.00938	.00082	.0036	.00333	.00435	.00091	.0020	.00014	.00008	.00131
%RSD	1.1728	.28280	.08913	76.498	29.043	.17594	.17594	1.7065	.08693	81.540
#1	.80643	.29213	4.0763	.00200	.01804	.51891	1.1105	.00858	.09346	.00068
#2	.79316	.29097	4.0815	.00670	.01190	.52020	1.1132	.00838	.09358	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03683**	**-.00029**	**-.01468**	**.01888**	**6.4754**	**.00329**
Stddev	.00011	.00013	.02536	.00005	.0305	.00170
%RSD	.29708	43.500	172.75	.27816	.47161	51.756
#1	.03690	-.00038	-.03261	.01891	6.4538	.00209
#2	.03675	-.00020	.00325	.01884	6.4970	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8678.8**	**118280.**	**7160.3**
Stddev	7.7	414.	72.1
%RSD	.08896	.35020	1.0073
#1	8684.2	118570.	7211.3
#2	8673.3	117990.	7109.3

Sample Name: 280-48860-a-5-a Acquired: 11/11/2013 22:35:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**74.345**	**.05902**	**.05686**	**.74480**	**.00139**	**-.02763**	**120.04**	**.00231**	**.04942**
Stddev	.00004	.064	.00011	.00067	.00124	.00002	.00118	.18	.00016	.00014
%RSD	13.740	.08590	.17965	1.1703	.16647	1.7727	4.2748	.14862	6.7813	.28800
#1	.00036	74.390	.05895	.05639	.74568	.00140	-.02847	120.16	.00242	.04932
#2	.00029	74.299	.05910	.05733	.74392	.00137	-.02680	119.91	.00220	.04952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30505**	**.10051**	**90.720**	**12.302**	**.04681**	**49.083**	**1.6055**	**.00345**	**4.0110**	**.43310**
Stddev	.00148	.00020	.169	.034	.00087	.037	.0003	.00026	.0126	.00039
%RSD	.48378	.20333	.18601	.28028	1.8522	.07507	.01897	7.5794	.31435	.09085
#1	.30401	.10036	90.840	12.327	.04620	49.110	1.6058	.00364	4.0199	.43282
#2	.30610	.10065	90.601	12.278	.04743	49.057	1.6053	.00327	4.0021	.43337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.7749**	**.34069**	**6.1060**	**.00274**	**.00514**	**1.4243**	**3.0481**	**.01073**	**.39249**	**.01421**
Stddev	.0132	.00021	.0073	.00084	.00065	.0159	.0341	.00036	.00026	.00046
%RSD	.47726	.06181	.11970	30.620	12.562	1.1173	1.1173	3.3094	.06646	3.2674
#1	2.7655	.34054	6.1008	.00334	.00468	1.4356	3.0722	.01048	.39267	.01453
#2	2.7842	.34084	6.1112	.00215	.00559	1.4131	3.0240	.01098	.39230	.01388
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4655**	**-.00097**	W **-.06135**	**.26746**	**1.9910**	**.03487**
Stddev	.0045	.00019	.01931	.00083	.0082	.00076
%RSD	.12987	19.451	31.475	.30917	.41386	2.1839
#1	3.4686	-.00111	-.04770	.26805	1.9969	.03433
#2	3.4623	-.00084	-.07500	.26688	1.9852	.03541
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8775.8**	**117350.**	**7493.4**
Stddev	13.0	293.	39.1
%RSD	.14788	.24961	.52146
#1	8785.0	117140.	7521.0
#2	8766.6	117550.	7465.8

Sample Name: 550-13801-d-1-a Acquired: 11/11/2013 22:37:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**8.1945**	**.03257**	**.07560**	**.56735**	**.00015**	F **.11014**	**41.145**	**.00322**	**.00377**
Stddev	.00009	.0229	.00211	.00053	.00310	.00009	.00095	.008	.00009	.00006
%RSD	.54584	.27981	6.4874	.70752	.54699	56.331	.86193	.01991	2.7718	1.7209
#1	.01704	8.2107	.03107	.07598	.56955	.00021	.10947	41.151	.00328	.00372
#2	.01691	8.1782	.03406	.07522	.56516	.00009	.11082	41.139	.00315	.00381
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09045**	**.95583**	**11.732**	**2.1396**	**.00504**	**6.2239**	**.41166**	**.01889**	**1.1704**	**.02722**
Stddev	.00060	.00193	.002	.0661	.00083	.0084	.00060	.00020	.0005	.00000
%RSD	.65861	.20233	.01323	3.0887	16.525	.13510	.14460	1.0567	.03948	.01041
#1	.09087	.95720	11.731	2.0929	.00445	6.2299	.41209	.01903	1.1701	.02722
#2	.09003	.95446	11.733	2.1864	.00563	6.2180	.41124	.01874	1.1707	.02722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **27.571**	**.04251**	**16.688**	**.00002**	**.01349**	**1.6844**	**3.6046**	**.06231**	**.33276**	**.00124**
Stddev	.044	.00057	.041	.00079	.00106	.0138	.0295	.00003	.00158	.00005
%RSD	.16031	1.3344	.24280	4748.1	7.8339	.81696	.81696	.05132	.47368	3.8185
#1	27.540	.04291	16.659	-.00054	.01274	1.6941	3.6255	.06229	.33387	.00127
#2	27.602	.04211	16.717	.00058	.01423	1.6747	3.5838	.06234	.33164	.00121
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13893**	**-.00158**	**.01317**	**.09622**	**1.6138**	**.01454**
Stddev	.00018	.00022	.01634	.00060	.0025	.00288
%RSD	.13288	13.820	124.09	.62260	.15247	19.782
#1	.13880	-.00142	.02473	.09664	1.6155	.01251
#2	.13906	-.00173	.00161	.09579	1.6121	.01658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8663.1**	**117360.**	**7162.2**
Stddev	11.4	245.	67.1
%RSD	.13150	.20839	.93677
#1	8655.1	117530.	7114.8
#2	8671.2	117190.	7209.7

Sample Name: CCVH-2372891 Acquired: 11/11/2013 22:39:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**51.304**	**.00322**	**.00023**	**-.00012**	**-.00004**	W **1.1047**	**.08139**	**-.00024**	**-.00012**	**.00012**	**.01279**
Stddev	.00028	.140	.00235	.00020	.00025	.00005	.0068	.00199	.00006	.00016	.00016	.00001
%RSD	3.5303	.27245	73.025	86.307	209.49	125.86	.61292	2.4414	23.326	134.22	127.86	.07266
#1	.00773	51.205	.00156	.00037	.00006	.00000	1.1095	.08280	-.00028	-.00001	.00001	.01280
#2	.00813	51.403	.00489	.00009	-.00029	-.00007	1.0999	.07999	-.00020	-.00024	.00023	.01279
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.320**	**-.05815**	**-.00087**	**.10094**	**.00128**	**-.00006**	**265.91**	**-.00004**	**.00284**	**.00017**	W **5.3080**	**-.00030**
Stddev	.447	.03373	.00106	.00374	.00002	.00013	1.17	.00006	.00100	.00015	.0221	.00051
%RSD	.88897	58.004	121.41	3.7023	1.9178	216.52	.43949	146.44	35.294	89.193	.41707	172.12
#1	50.636	-.08200	-.00162	.10358	.00129	.00003	265.08	.00000	.00213	.00028	5.3237	-.00066
#2	50.003	-.03430	-.00012	.09830	.00126	-.00016	266.74	-.00008	.00354	.00006	5.2924	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00485**	**.03541**	**.07578**	**.00019**	**.00039**	**5.0105**	**-.01176**	**.00025**	F **6.3696**	**.00116**	**.00177**	**.06116**
Stddev	.00053	.00253	.00542	.00055	.00000	.0001	.00011	.00156	.0002	.00010	.00020	.00333
%RSD	10.883	7.1515	7.1515	293.20	.37456	.00173	.93084	616.04	.00283	8.6897	11.290	5.4369
#1	-.00522	.03720	.07961	.00057	.00039	5.0105	-.01184	.00136	6.3697	.00123	.00191	.06351
#2	-.00447	.03362	.07195	-.00020	.00038	5.0104	-.01168	-.00085	6.3694	.00108	.00163	.05881
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8327.0**	**110990.**	**6872.5**
Stddev	15.4	106.	42.1
%RSD	.18438	.09520	.61200
#1	8316.1	111070.	6902.2
#2	8337.8	110920.	6842.7

Sample Name: CCV-2372889 Acquired: 11/11/2013 22:42:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52332**	F **.58074**	**1.0425**	**.52660**	**.51674**	**.50286**	**-.00460**	**5.2618**	**.52621**	**.52105**	**.52418**	**.52992**	**2.5472**
Stddev	.00018	.00183	.0042	.00076	.00225	.00331	.00342	.0581	.00075	.00091	.00145	.00057	.0046
%RSD	.03366	.31457	.40610	.14483	.43566	.65919	74.201	1.1034	.14311	.17490	.27596	.10830	.18260
#1	.52344	.58203	1.0395	.52606	.51833	.50520	-.00702	5.2207	.52568	.52041	.52316	.53033	2.5439
#2	.52319	.57945	1.0455	.52714	.51515	.50052	-.00219	5.3028	.52674	.52170	.52521	.52952	2.5505
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.528**	**1.0199**	**20.597**	**.51111**	**.52880**	**5.2239**	**.52711**	**1.0549**	**1.0631**	**.03936**	**1.0590**	**1.0598**	**5.0364**
Stddev	.209	.0046	.070	.00045	.00424	.0243	.00110	.0057	.0065	.00097	.0004	.0003	.0069
%RSD	.39807	.45014	.33832	.08808	.80183	.46475	.20869	.53879	.61399	2.4767	.03879	.03157	.13730
#1	52.676	1.0232	20.646	.51143	.52580	5.2411	.52633	1.0509	1.0585	.03868	1.0587	1.0601	5.0413
#2	52.380	1.0167	20.548	.51079	.53179	5.2067	.52789	1.0589	1.0677	.04005	1.0593	1.0596	5.0315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.778**	**1.0635**	**.51333**	**-.00356**	**.50804**	**1.0777**	**.01208**	**.51390**	**.51713**	**.51303**
Stddev	.015	.0014	.00211	.00077	.00036	.0012	.00117	.00075	.00115	.00317
%RSD	.13730	.13265	.41011	21.626	.07061	.11190	9.6572	.14510	.22277	.61829
#1	10.788	1.0645	.51482	-.00301	.50830	1.0769	.01125	.51337	.51794	.51079
#2	10.767	1.0625	.51185	-.00410	.50779	1.0786	.01290	.51442	.51631	.51528
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.5**	**114020.**	**6915.7**
Stddev	17.6	309.	25.6
%RSD	.20760	.27108	.37019
#1	8488.0	113800.	6933.8
#2	8463.1	114240.	6897.6

Sample Name: CCB Acquired: 11/11/2013 22:44:14 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00689**	**.00104**	**-.00054**	**.00002**	**.00005**	**.00137**	F **.10306**	**.00000**	**.00023**	**.00015**	**.00030**
Stddev	.00005	.00374	.00077	.00036	.00001	.00009	.00086	.00523	.0001	.00006	.00018	.00004
%RSD	7.5129	54.207	74.049	66.329	29.018	180.38	62.477	5.0731	715740.	27.630	119.63	14.709
#1	.00069	.00953	.00050	-.00029	.00003	.00011	.00198	.10676	.00009	.00019	.00027	.00027
#2	.00062	.00425	.00158	-.00079	.00002	-.00001	.00076	.09936	-.00009	.00028	.00002	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit								.06900				
Low Limit								-.06900				

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.03384**	**.03869**	**-.00038**	F **.02716**	F **.00057**	**.00038**	**-.03430**	**.00058**	**-.00251**	**-.00069**	**.04176**	W **.00617**
Stddev	.00159	.00531	.00235	.00543	.00010	.00003	.00899	.00009	.00053	.00013	.00122	.00161
%RSD	4.7116	13.721	624.31	20.008	17.228	8.1766	26.197	15.128	21.175	18.893	2.9200	26.034
#1	.03497	.04244	-.00204	.03100	.00064	.00036	-.02794	.00052	-.00213	-.00060	.04262	.00503
#2	.03272	.03493	.00129	.02331	.00050	.00040	-.04065	.00064	-.00288	-.00078	.04090	.00731
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit	.03000			.02140	.00050							.00314
Low Limit	-.03000			-.02140	-.00050							-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00869**	**.01860**	**.00020**	**.00030**	**-.00081**	**.00035**	**-.00019**	**.02885**	**.00030**	**.00348**	W **.00457**
Stddev	.00016	.01477	.03160	.00008	.00004	.00111	.00022	.00050	.02840	.00037	.00008	.00044
%RSD	26.626	169.89	169.89	41.968	14.333	137.35	63.156	268.41	98.451	123.08	2.3096	9.5828
#1	.00047	.01913	.04095	.00026	.00033	-.00002	.00019	.00017	.00877	.00056	.00354	.00426
#2	.00069	-.00175	-.00374	.00014	.00027	-.00160	.00050	-.00054	.04894	.00004	.00342	.00488
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8479.0**	**114770.**	**6742.1**
Stddev	23.4	219.	7.8
%RSD	.27570	.19039	.11532
#1	8462.4	114610.	6747.6
#2	8495.5	114920.	6736.6

Sample Name: CCVL2372865 Acquired: 11/11/2013 22:46:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01086**	**.11608**	**.01694**	**.10323**	**.01019**	**.00096**	F **.13015**	**.23174**	**.00537**	**.01132**	**.01090**	**.01679**	**.10917**
Stddev	.00011	.00029	.00258	.00017	.00002	.00006	.00153	.00535	.00026	.00001	.00016	.00031	.00317
%RSD	1.0551	.25226	15.229	.16103	.15570	6.3851	1.1761	2.3091	4.8785	.11900	1.4400	1.8506	2.9028
#1	.01094	.11628	.01512	.10311	.01018	.00092	.12907	.22795	.00556	.01132	.01101	.01657	.11141
#2	.01077	.11587	.01877	.10335	.01020	.00101	.13123	.23552	.00519	.01131	.01079	.01701	.10693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2032**	**.00944**	**.22436**	**.01072**	**.02110**	**1.0590**	**.04484**	**3.0885**	**.00938**	**.03311**	**.01039**	**.01715**	**.51904**
Stddev	.0088	.00018	.00360	.00008	.00003	.0076	.00027	.0030	.00028	.00184	.00169	.00177	.00959
%RSD	.27487	1.9063	1.6049	.78447	.16329	.71470	.59572	.09761	2.9899	5.5716	16.292	10.296	1.8471
#1	3.1970	.00957	.22181	.01066	.02107	1.0537	.04503	3.0864	.00918	.03441	.01159	.01840	.52582
#2	3.2095	.00932	.22691	.01078	.02112	1.0644	.04465	3.0907	.00958	.03180	.00920	.01590	.51226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1107**	**.10946**	**.01083**	**.01546**	**.00974**	**.01635**	F **.07872**	**.01058**	**.02415**	**.01694**
Stddev	.0205	.00023	.00009	.00047	.00023	.00140	.01106	.00015	.00016	.00252
%RSD	1.8471	.20828	.86565	3.0258	2.3510	8.5856	14.053	1.4061	.68137	14.872
#1	1.1253	.10930	.01076	.01579	.00957	.01536	.08655	.01069	.02427	.01516
#2	1.0962	.10962	.01089	.01513	.00990	.01735	.07090	.01048	.02404	.01872
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8615.0**	**116530.**	**6790.9**
Stddev	37.0	108.	29.8
%RSD	.42941	.09270	.43818
#1	8641.2	116460.	6769.9
#2	8588.8	116610.	6812.0

Sample Name: mb 280-200045/1-a Acquired: 11/11/2013 22:48:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.02360**	**.00000**	**.00000**	**-.00030**	**-.00003**	**-.00111**	**.01844**	**-.00009**	**.00008**
Stddev	.00016	.00019	.00089	.00016	.00017	.00003	.00108	.00081	.00026	.00010
%RSD	29.181	.82082	76634.	186770.	56.326	114.43	97.050	4.3768	282.84	122.31
#1	.00043	.02373	-.00063	.00011	-.00043	-.00005	-.00035	.01901	-.00027	.00001
#2	.00065	.02346	.00063	-.00011	-.00018	-.00001	-.00187	.01787	.00009	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00071**	**.00631**	**-.02926**	**-.00138**	**.00413**	**.00043**	**-.00004**	**-.05260**	**.00054**
Stddev	.00006	.00013	.00103	.03860	.00296	.00069	.00006	.00040	.00910	.00013
%RSD	76.266	18.588	16.373	131.92	214.26	16.787	14.458	1131.8	17.303	24.146
#1	.00012	.00080	.00704	-.00197	.00071	.00462	.00047	.00025	-.04617	.00044
#2	.00004	.00061	.00558	-.05656	-.00347	.00364	.00038	-.00032	-.05904	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00372**	**-.00097**	**.03695**	**-.00058**	**-.00164**	**.02582**	**.05526**	**.00051**	**.00015**	**-.00121**
Stddev	.00084	.00029	.00023	.00104	.00066	.02317	.04959	.00020	.00001	.00152
%RSD	22.424	29.944	.62140	179.12	40.210	89.745	89.745	40.198	3.4933	125.58
#1	-.00432	-.00118	.03711	.00015	-.00118	.00943	.02019	.00036	.00015	-.00229
#2	-.00313	-.00077	.03678	-.00132	-.00211	.04221	.09032	.00065	.00016	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00041**	**-.00056**	**.01509**	**.00052**	**.00362**	**.00260**
Stddev	.00012	.00110	.03699	.00020	.00021	.00228
%RSD	29.402	198.33	245.07	38.802	5.7263	87.650
#1	-.00033	-.00134	.04125	.00066	.00347	.00420
#2	-.00050	.00022	-.01106	.00037	.00376	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8566.3**	**115690.**	**6770.2**
Stddev	6.3	1232.	25.6
%RSD	.07368	1.0646	.37845
#1	8570.8	116560.	6752.1
#2	8561.9	114820.	6788.4

Sample Name: lcs 280-200045/2-a Acquired: 11/11/2013 22:51:06 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05071	2.0083	1.0092	1.0250	2.0298	.04929	2.2978	48.740	.10736	.49352
Stddev	.00052	.0046	.0057	.0007	.0019	.00036	.0107	.111	.00064	.00020
%RSD	1.0248	.23159	.56225	.07123	.09588	.72322	.46719	.22726	.60077	.04020
#1	.05034	2.0050	1.0052	1.0245	2.0284	.04904	2.2902	48.662	.10690	.49338
#2	.05108	2.0116	1.0132	1.0256	2.0311	.04954	2.3053	48.818	.10782	.49366
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20385	.26047	.97958	51.664	1.0002	49.680	.49264	1.0304	54.257	.50025
Stddev	.00062	.00015	.00006	.003	.0052	.036	.00015	.0027	.229	.00042
%RSD	.30550	.05921	.00623	.00534	.52027	.07289	.03122	.26299	.42188	.08379
#1	.20341	.26036	.97954	51.662	.99654	49.655	.49253	1.0285	54.096	.49995
#2	.20429	.26058	.97962	51.666	1.0039	49.706	.49275	1.0323	54.419	.50054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.313	.49531	2.1117	.49453	2.0090	9.9819	21.361	2.0303	1.0073	.99939
Stddev	.020	.00123	.0066	.00319	.0001	.0382	.082	.0061	.0002	.00359
%RSD	.19775	.24805	.31444	.64498	.00514	.38321	.38321	.30052	.02399	.35877
#1	10.298	.49444	2.1070	.49228	2.0091	9.9548	21.303	2.0260	1.0072	.99685
#2	10.327	.49618	2.1164	.49679	2.0089	10.009	21.419	2.0346	1.0075	1.0019
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.99975	1.9640	2.1673	.50658	.49907	.52266
Stddev	.00080	.0041	.0073	.00022	.00172	.00173
%RSD	.08015	.21045	.33918	.04341	.34465	.33124
#1	1.0003	1.9611	2.1725	.50642	.49785	.52388
#2	.99918	1.9669	2.1621	.50673	.50029	.52143
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8244.0	110020.	6867.6
Stddev	2.2	117.	37.8
%RSD	.02618	.10604	.54978
#1	8245.5	110100.	6894.3
#2	8242.5	109940.	6840.9

Sample Name: lcsd 280-200045/3-a Acquired: 11/11/2013 22:53:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05176**	**2.0504**	**1.0303**	**1.0433**	**2.0805**	**.04983**	**2.3387**	**50.047**	**.10892**	**.50447**
Stddev	.00022	.0006	.0060	.0016	.0018	.00034	.0023	.169	.00019	.00117
%RSD	.42521	.03068	.58314	.15013	.08735	.68714	.09928	.33725	.17160	.23228
#1	.05192	2.0500	1.0261	1.0421	2.0792	.04959	2.3403	49.928	.10878	.50364
#2	.05160	2.0509	1.0346	1.0444	2.0818	.05007	2.3370	50.167	.10905	.50529
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20976**	**.26535**	**.99638**	**53.072**	**1.0260**	**50.791**	**.50399**	**1.0633**	**55.012**	**.51177**
Stddev	.00014	.00020	.00813	.047	.0026	.022	.00069	.0001	.351	.00019
%RSD	.06508	.07615	.81552	.08936	.25062	.04304	.13715	.01091	.63860	.03679
#1	.20986	.26520	.99064	53.038	1.0242	50.807	.50350	1.0634	54.764	.51191
#2	.20967	.26549	1.0021	53.105	1.0279	50.776	.50448	1.0633	55.260	.51164
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.487**	**.50632**	**2.1578**	**.50602**	**2.0336**	**10.168**	**21.759**	**2.0858**	**1.0329**	**1.0253**
Stddev	.032	.00060	.0055	.00248	.0005	.053	.113	.0010	.0006	.0043
%RSD	.30420	.11877	.25390	.49083	.02547	.51852	.51852	.04959	.06330	.42270
#1	10.465	.50590	2.1539	.50427	2.0340	10.130	21.679	2.0851	1.0324	1.0222
#2	10.510	.50675	2.1616	.50778	2.0333	10.205	21.839	2.0865	1.0333	1.0284
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0268**	**1.9974**	**2.1960**	**.51865**	**.50785**	**.53018**
Stddev	.0011	.0019	.0069	.00040	.00214	.00064
%RSD	.10558	.09453	.31592	.07798	.42180	.11988
#1	1.0260	1.9987	2.1911	.51837	.50937	.52973
#2	1.0275	1.9960	2.2009	.51894	.50634	.53063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8136.1**	**108950.**	**6693.3**
Stddev	23.2	81.	41.7
%RSD	.28567	.07421	.62275
#1	8152.6	109010.	6722.8
#2	8119.7	108890.	6663.9

Sample Name: 280-48797-b-1-c Acquired: 11/11/2013 22:55:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00379**	**.00370**	**.19945**	**.03501**	**.00001**	**-.00040**	**40.504**	**.00040**	**.00141**
Stddev	.00003	.00034	.00057	.00051	.00004	.00005	.00132	.025	.00019	.00017
%RSD	4.9971	9.0379	15.440	.25357	.10441	348.67	325.97	.06143	47.576	11.970
#1	.00066	.00403	.00411	.19981	.03504	.00005	.00053	40.487	.00027	.00152
#2	.00071	.00355	.00330	.19909	.03499	-.00002	-.00133	40.522	.00054	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.02030**	**.17592**	**5.6645**	**.05223**	**22.934**	**.26311**	**.00587**	**193.94**	**.01573**
Stddev	.00013	.00003	.00001	.0615	.00075	.006	.00027	.00014	.22	.00034
%RSD	22.642	.13191	.00464	1.0860	1.4411	.02428	.10165	2.4344	.11462	2.1534
#1	.00048	.02028	.17592	5.6210	.05169	22.930	.26293	.00577	193.78	.01597
#2	.00067	.02031	.17591	5.7080	.05276	22.938	.26330	.00597	194.10	.01549
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01905**	**-.00090**	**121.96**	**.00123**	**-.00133**	**1.7839**	**3.8176**	**.00153**	**1.2536**	**-.00107**
Stddev	.00213	.00009	.17	.00029	.00265	.0019	.0041	.00034	.0009	.00202
%RSD	11.164	10.159	.14246	23.579	199.62	.10782	.10782	22.015	.07443	188.84
#1	.01754	-.00084	122.08	.00103	-.00321	1.7826	3.8147	.00177	1.2529	.00036
#2	.02055	-.00097	121.84	.00144	.00055	1.7853	3.8205	.00129	1.2542	-.00250
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00049**	**.01739**	**.00054**	**.28750**	**.00522**
Stddev	.00004	.00111	.00486	.00005	.00076	.00132
%RSD	33.559	227.15	27.954	8.3424	.26398	25.211
#1	-.00008	-.00030	.02083	.00057	.28804	.00429
#2	-.00013	.00127	.01395	.00051	.28697	.00615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7910.0**	**106310.**	**6706.8**
Stddev	13.3	427.	37.3
%RSD	.16811	.40170	.55630
#1	7919.4	106610.	6680.4
#2	7900.6	106000.	6733.2

Sample Name: 280-48797-b-2-c Acquired: 11/11/2013 22:57:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**-.00059**	**.00140**	**.51490**	**.33624**	**.00001**	**-.00027**	**51.596**	**.00021**	**-.00018**
Stddev	.00060	.00062	.00349	.00246	.00048	.00001	.00299	.201	.00000	.00018
%RSD	208.52	104.31	248.68	.47695	.14265	114.03	1103.0	.38975	2.1198	100.12
#1	-.00071	-.00016	-.00106	.51664	.33590	.00002	-.00239	51.454	.00021	-.00005
#2	.00014	-.00103	.00387	.51316	.33657	.00000	.00184	51.738	.00021	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00433**	**.09295**	W **157.19**	**.79667**	**10.484**	**.02773**	**.00283**	RW **1618.2**	**.00034**
Stddev	.00004	.00058	.00020	.61	.00007	.056	.00003	.00008	4.8	.00042
%RSD	83.279	13.313	.22011	.39098	.00880	.53789	.09244	3.0019	.29399	122.76
#1	.00002	.00474	.09280	156.75	.79662	10.524	.02775	.00289	1614.8	.00064
#2	.00007	.00392	.09309	157.62	.79672	10.444	.02771	.00277	1621.6	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9841**	**-.00029**	**8.3570**	**.00030**	**.00022**	**6.7602**	**14.467**	**-.00010**	W **5.0131**	**-.00113**
Stddev	.0167	.00100	.0469	.00121	.00279	.0180	.039	.00022	.0136	.00030
%RSD	.55943	344.00	.56091	396.86	1279.7	.26677	.26677	217.00	.27074	26.823
#1	2.9959	.00042	8.3901	-.00055	.00219	6.7729	14.494	.00005	5.0035	-.00091
#2	2.9723	-.00100	8.3238	.00116	-.00176	6.7474	14.439	-.00026	5.0227	-.00134
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00008**	**.00792**	**.00181**	**.00688**	**.00403**
Stddev	.00004	.00097	.01709	.00056	.00018	.00263
%RSD	7.3123	1256.5	215.75	30.994	2.6161	65.414
#1	-.00063	.00077	.02000	.00221	.00700	.00216
#2	-.00056	-.00061	-.00416	.00141	.00675	.00589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7436.9**	**94798.**	**6408.3**
Stddev	51.7	145.	13.5
%RSD	.69572	.15342	.21074
#1	7400.3	94695.	6417.8
#2	7473.5	94901.	6398.7

Sample Name: 280-48797-b-3-c Acquired: 11/11/2013 23:00:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00373	k .36491	k .00251	2.6459	k 2.1967	k .00005	k -.00314	98.437	k .00003	k .00030
Stddev	.01313	.01680	.00100	.0011	.0024	.00008	.01168	.433	.00010	.00020
%RSD	352.20	4.6051	39.735	.04316	.10869	179.06	371.99	.44017	289.55	68.022
#1	-.00556	.35303	.00322	2.6467	2.1950	-.00001	-.01140	98.131	.00010	.00044
#2	k .01301	k .37679	k .00181	2.6451	k 2.1984	k .00010	k .00512	98.744	k -.00003	k .00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .02554	k .02491	39.928	38.499	k 1.5366	k 16.655	k .53985	k .00774	RW 2551.1	k .00930
Stddev	.00030	.00457	.152	.343	.0004	.080	.00140	.00003	6.2	.00060
%RSD	1.1872	18.337	.38076	.89067	.02260	.48109	.26025	.42395	.24121	6.4039
#1	.02576	.02813	39.820	38.257	1.5363	16.599	.53886	.00772	2546.8	.00888
#2	k .02533	k .02168	40.035	38.742	k 1.5368	k 16.712	k .54084	k .00776	2555.5	k .00972
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k 1.6944	k .00626	k 33.531	k -.00060	k -.00427	k 10.371	k 22.195	k .00755	W 11.820	k .01295
Stddev	.0025	.00261	.036	.00259	.00177	.165	.352	.00025	.265	.06892
%RSD	.14504	41.719	.10682	428.46	41.405	1.5866	1.5866	3.3233	2.2401	532.11
#1	1.6927	.00441	33.557	.00123	-.00552	10.255	21.946	.00737	12.007	-.03578
#2	k 1.6962	k .00811	k 33.506	k -.00244	k -.00302	k 10.488	k 22.444	k .00773	11.633	k .06168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	k .00538	k -.00168	k .05635	k .00503	k .17310	k 3.1009
Stddev	.00008	.00216	.03858	.00052	.00315	.0064
%RSD	1.4380	128.43	68.453	10.333	1.8171	.20538
#1	.00532	-.00321	.02908	.00540	.17087	3.0964
#2	k .00543	k -.00015	k .08363	k .00467	k .17532	k 3.1054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7246.5	93194.	6422.0
Stddev	6.3	390.	117.4
%RSD	.08671	.41802	1.8284
#1	7251.0	93469.	6505.0
#2	7242.1	92918.	6339.0

Sample Name: 280-48797-b-3-cSD@5 Acquired: 11/11/2013 23:03:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**.07788**	**.00235**	**.55170**	**.43260**	**-.00003**	**-.00363**	**19.800**	**.00000**	**.00027**
Stddev	.00012	.00044	.00140	.00079	.00028	.00009	.00043	.013	.00000	.00002
%RSD	11.180	.56452	59.430	.14401	.06501	329.08	11.744	.06519	34.685	8.1955
#1	-.00111	.07819	.00136	.55114	.43280	.00004	-.00333	19.809	.00001	.00026
#2	-.00095	.07757	.00334	.55226	.43240	-.00009	-.00393	19.791	.00000	.00029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00523**	**.00673**	**8.1798**	**7.2617**	**.30306**	**3.4196**	**.10705**	**.00137**	**498.81**	**.00226**
Stddev	.00003	.00059	.1183	.0040	.00271	.0040	.00012	.00001	1.47	.00010
%RSD	.60117	8.7274	1.4459	.05455	.89540	.11563	.11237	1.0267	.29413	4.5206
#1	.00525	.00714	8.2634	7.2645	.30497	3.4168	.10696	.00138	499.84	.00219
#2	.00520	.00631	8.0962	7.2589	.30114	3.4224	.10713	.00136	497.77	.00233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32108**	**.00010**	**6.4120**	**.00011**	**-.00037**	**2.0399**	**4.3653**	**.00347**	**2.3471**	**-.00995**
Stddev	.00059	.00032	.0317	.00173	.00081	.0346	.0741	.00018	.0021	.00028
%RSD	.18221	337.88	.49480	1580.1	219.78	1.6969	1.6969	5.1564	.09052	2.8421
#1	.32067	.00033	6.3896	-.00111	-.00094	2.0643	4.4177	.00359	2.3486	-.01015
#2	.32150	-.00013	6.4344	.00133	.00020	2.0154	4.3129	.00334	2.3456	-.00975
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00095**	**.01421**	**.00152**	**.03983**	**.61840**
Stddev	.00025	.00015	.00309	.00054	.00057	.00587
%RSD	73.509	16.157	21.731	35.450	1.4400	.94927
#1	.00052	.00105	.01203	.00190	.03942	.62255
#2	.00017	.00084	.01639	.00114	.04023	.61425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7798.5**	**101520.**	**6365.1**
Stddev	16.9	506.	21.5
%RSD	.21629	.49880	.33754
#1	7786.6	101880.	6349.9
#2	7810.5	101170.	6380.3

Sample Name: 280-48951-b-16-b Acquired: 11/11/2013 23:06:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**.00079**	**.00099**	**.00186**	**-.00007**	**-.00005**	**-.00155**	**.03293**	**-.00013**	**.00022**
Stddev	.00001	.00016	.00096	.00032	.00017	.00004	.00277	.00621	.00018	.00005
%RSD	1.3792	20.671	96.956	16.948	251.43	91.269	178.43	18.858	140.15	21.965
#1	.00094	.00091	.00031	.00208	-.00018	-.00008	.00041	.03732	.00000	.00025
#2	.00096	.00068	.00167	.00164	.00005	-.00002	-.00352	.02854	-.00026	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00042**	**.00649**	**.14853**	**-.00166**	**.00566**	**.00025**	**-.00011**	**.58587**	**.00051**
Stddev	.00011	.00035	.00307	.01175	.00122	.00127	.00002	.00016	.07330	.00038
%RSD	71.243	83.110	47.351	7.9110	73.678	22.389	7.3444	149.37	12.511	75.039
#1	.00023	.00017	.00866	.15684	-.00080	.00476	.00024	.00001	.63770	.00077
#2	.00008	.00067	.00431	.14023	-.00253	.00655	.00026	-.00022	.53404	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00699**	**-.00011**	**.04844**	**-.00028**	**-.00043**	**.00480**	**.01027**	**.00003**	**.00104**	**-.00016**
Stddev	.00084	.00065	.00207	.00157	.00294	.00866	.01854	.00024	.00007	.00090
%RSD	12.076	572.66	4.2784	559.40	683.28	180.41	180.41	888.01	7.0964	570.78
#1	.00758	.00035	.04697	.00083	.00165	-.00132	-.00283	.00020	.00109	-.00079
#2	.00639	-.00057	.04990	-.00139	-.00251	.01093	.02338	-.00014	.00099	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00054**	**.03791**	**-.00003**	**.00348**	**.00232**
Stddev	.00001	.00117	.03988	.00003	.00030	.00059
%RSD	2.4137	216.23	105.18	96.826	8.5816	25.314
#1	-.00031	-.00029	.06611	-.00005	.00369	.00274
#2	-.00030	.00137	.00971	-.00001	.00327	.00191
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8415.2**	**113920.**	**6527.2**
Stddev	7.1	618.	40.2
%RSD	.08466	.54214	.61528
#1	8420.2	114360.	6555.6
#2	8410.1	113490.	6498.8

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:08:22 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00725**	**51.503**	**.00458**	**.00251**	**-.00015**	**-.00010**	W **1.0677**	**.01739**	**-.00036**	**-.00007**	**.00006**	**.01227**
Stddev	.00024	.158	.00045	.00068	.00001	.00004	.0113	.00208	.00003	.00011	.00014	.00034
%RSD	3.3267	.30742	9.8054	26.948	7.2743	37.210	1.0619	11.943	9.7085	141.16	220.70	2.7413
#1	.00742	51.615	.00426	.00203	-.00014	-.00008	1.0597	.01885	-.00038	-.00015	.00016	.01203
#2	.00708	51.391	.00490	.00298	-.00016	-.00013	1.0757	.01592	-.00033	.00000	-.00004	.01250
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.436**	**.12961**	**-.00001**	**.08446**	**.00079**	**-.00027**	**265.99**	**.00002**	**-.00045**	**.00032**	**5.1161**	**.00024**
Stddev	.599	.04229	.00224	.00183	.00009	.00012	.82	.00008	.00041	.00049	.0619	.00438
%RSD	1.1873	32.631	27746.	2.1669	11.004	42.780	.30904	369.62	91.153	151.11	1.2092	1829.8
#1	50.859	.15952	.00158	.08575	.00073	-.00035	265.41	.00008	-.00016	.00066	5.0724	-.00286
#2	50.012	.09971	-.00159	.08317	.00085	-.00019	266.57	-.00003	-.00074	-.00002	5.1599	.00333
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00401**	**.01506**	**.03222**	**.00015**	**.00086**	**4.9618**	**-.01325**	**.00042**	F **6.2889**	**.00204**	**.00134**	**.06214**
Stddev	.00385	.01485	.03178	.00018	.00011	.0006	.00020	.00072	.0278	.00073	.00017	.00164
%RSD	95.990	98.614	98.614	118.74	12.235	.01256	1.5108	169.37	.44128	35.946	12.854	2.6461
#1	-.00129	.00456	.00975	.00002	.00094	4.9614	-.01311	.00093	6.2693	.00255	.00146	.06330
#2	-.00673	.02556	.05469	.00027	.00079	4.9623	-.01339	-.00008	6.3085	.00152	.00122	.06098
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8040.2**	**106390.**	**6367.2**
Stddev	47.2	205.	28.8
%RSD	.58707	.19249	.45170
#1	8073.6	106250.	6346.8
#2	8006.8	106540.	6387.5

Sample Name: CCV-2372889 Acquired: 11/11/2013 23:10:46 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50586**	**.54229**	**1.0062**	**.50651**	**.50563**	**.49159**	**-.00539**	**5.0894**	**.50808**	**.50785**	**.51102**	**.50871**	**2.4927**
Stddev	.00073	.00118	.0013	.00010	.00005	.00075	.00048	.0108	.00016	.00071	.00004	.00064	.0101
%RSD	.14388	.21758	.13328	.01891	.01073	.15173	8.8802	.21242	.03205	.14049	.00746	.12584	.40529
#1	.50638	.54313	1.0053	.50644	.50567	.49106	-.00573	5.0971	.50797	.50734	.51100	.50916	2.4998
#2	.50535	.54146	1.0072	.50657	.50559	.49212	-.00505	5.0818	.50820	.50835	.51105	.50826	2.4856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.031**	**1.0048**	**20.371**	**.50251**	**.51744**	**5.4490**	**.51481**	**1.0204**	**1.0413**	**.02217**	**1.0070**	**1.0198**	**4.9215**
Stddev	.051	.0024	.026	.00054	.00003	.0162	.00018	.0002	.0030	.00235	.0009	.0014	.0214
%RSD	.09800	.23726	.13006	.10840	.00633	.29666	.03426	.01962	.28462	10.622	.09019	.14150	.43500
#1	51.995	1.0065	20.352	.50290	.51742	5.4604	.51494	1.0205	1.0392	.02050	1.0077	1.0208	4.9367
#2	52.067	1.0032	20.390	.50213	.51747	5.4376	.51469	1.0202	1.0434	.02384	1.0064	1.0188	4.9064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.532**	**1.0334**	**.50310**	**-.00584**	**.49671**	**1.0377**	**.02795**	**.50644**	**.51924**	**.49902**
Stddev	.046	.0013	.00043	.00018	.00031	.0002	.00013	.00030	.00122	.00334
%RSD	.43500	.12947	.08515	3.0553	.06332	.02216	.45281	.05979	.23550	.66965
#1	10.565	1.0324	.50340	-.00572	.49694	1.0378	.02804	.50666	.52011	.49666
#2	10.500	1.0343	.50280	-.00597	.49649	1.0375	.02786	.50623	.51838	.50139
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8263.7**	**109230.**	**6434.3**
Stddev	6.7	325.	9.8
%RSD	.08119	.29754	.15245
#1	8258.9	109000.	6441.2
#2	8268.4	109460.	6427.4

Sample Name: CCB Acquired: 11/11/2013 23:12:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**-.00110**	**.00084**	**.00101**	**.00018**	**.00021**	**.00091**	**.00658**	**.00005**	**.00019**	**.00006**	**-.00010**
Stddev	.00039	.00057	.00250	.00038	.00009	.00016	.00133	.00133	.00005	.00005	.00001	.00009
%RSD	97.108	51.484	299.00	37.701	49.544	74.916	146.89	20.234	92.494	27.269	9.2374	94.990
#1	.00067	-.00070	-.00093	.00128	.00012	.00033	.00184	.00752	.00008	.00023	.00006	-.00003
#2	.00012	-.00151	.00260	.00074	.00025	.00010	-.00003	.00564	.00002	.00015	.00006	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.06463**	**-.00244**	**.00422**	**.00015**	**.00024**	W **.15706**	**.00076**	**-.00178**	**-.00013**	**.02749**	F **.00707**
Stddev	.00207	.02893	.00046	.00169	.00001	.00023	.02618	.00050	.00022	.00063	.00132	.00112
%RSD	56.818	44.770	19.033	40.072	4.9122	94.203	16.669	65.071	12.462	490.72	4.7893	15.861
#1	.00510	.08509	-.00211	.00541	.00016	.00008	.13855	.00111	-.00193	-.00057	.02842	.00627
#2	.00218	.04417	-.00277	.00302	.00015	.00040	.17557	.00041	-.00162	.00032	.02656	.00786
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.02051**	**.04388**	**.00067**	W **.00035**	**-.00136**	**-.00049**	**.00024**	**.02333**	**.00064**	**.00368**	**.00054**
Stddev	.00156	.00516	.01104	.00001	.00016	.00101	.00025	.00019	.01838	.00038	.00013	.00016
%RSD	48.863	25.151	25.151	1.7770	46.259	74.249	50.294	76.688	78.777	59.624	3.4316	29.390
#1	.00209	.02415	.05169	.00068	.00024	-.00207	-.00066	.00011	.01033	.00037	.00360	.00043
#2	.00429	.01686	.03608	.00066	.00046	-.00064	-.00032	.00038	.03632	.00091	.00377	.00066
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8178.8**	**109880.**	**6307.7**
Stddev	24.4	407.	2.3
%RSD	.29801	.37022	.03695
#1	8161.5	109590.	6309.4
#2	8196.0	110170.	6306.1

Sample Name: CCVL2372865 Acquired: 11/11/2013 23:15:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01062**	**.10820**	**.01746**	**.09979**	**.01014**	**.00099**	**.12350**	**.21460**	**.00505**	**.01086**	**.01045**	**.01557**	**.10352**	**3.2117**
Stddev	.00017	.00041	.00037	.00011	.00053	.00008	.00119	.00340	.00018	.00005	.00022	.00010	.00334	.0863
%RSD	1.6174	.37930	2.1232	.11063	5.2407	8.0575	.96532	1.5849	3.6447	.43723	2.1308	.61751	3.2245	2.6885
#1	.01050	.10791	.01772	.09987	.01052	.00104	.12266	.21700	.00492	.01082	.01029	.01564	.10588	3.2728
#2	.01074	.10849	.01720	.09972	.00976	.00093	.12435	.21219	.00518	.01089	.01061	.01550	.10115	3.1507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00706**	**.21392**	**.01027**	**.02014**	**1.1823**	**.04280**	**2.9768**	**.00987**	**.02187**	**.01019**	**.01412**	**.49698**	**1.0635**	**.10501**
Stddev	.00250	.00178	.00007	.00040	.0085	.00026	.0034	.00160	.00233	.00171	.00106	.00637	.0136	.00113
%RSD	35.458	.82981	.67562	1.9674	.72026	.60508	.11337	16.194	10.678	16.811	7.5033	1.2825	1.2825	1.0749
#1	.00883	.21517	.01032	.01986	1.1763	.04261	2.9744	.00874	.02022	.01140	.01487	.50149	1.0732	.10421
#2	.00529	.21266	.01023	.02042	1.1883	.04298	2.9792	.01100	.02352	.00898	.01337	.49248	1.0539	.10581
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01038**	**.01364**	**.00933**	**.01728**	**.07754**	**.01008**	**.02369**	**.01732**
Stddev	.00004	.00103	.00046	.00031	.00772	.00035	.00045	.00298
%RSD	.36665	7.5492	4.9616	1.8063	9.9500	3.5198	1.9173	17.209
#1	.01041	.01436	.00966	.01706	.07208	.00983	.02401	.01521
#2	.01035	.01291	.00900	.01750	.08299	.01033	.02337	.01943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8436.5**	**112910.**	**6445.2**
Stddev	25.2	344.	41.3
%RSD	.29812	.30462	.64041
#1	8454.3	112660.	6416.0
#2	8418.7	113150.	6474.4

Sample Name: mb 280-199780/1-a Acquired: 11/11/2013 23:17:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00077**	**.00013**	**.00023**	**-.00044**	**-.00006**	**-.00195**	**.00908**	**-.00017**	**.00007**
Stddev	.00014	.00013	.00048	.00037	.00053	.00008	.00235	.00095	.00002	.00020
%RSD	19.263	17.478	378.92	163.02	120.45	148.11	120.45	10.441	13.019	292.12
#1	.00081	.00086	.00047	.00049	-.00007	.00000	-.00029	.00841	-.00019	.00021
#2	.00061	.00067	-.00021	-.00003	-.00082	-.00012	-.00361	.00975	-.00016	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00054**	**.00321**	**-.05233**	**-.00144**	**-.00151**	**.00012**	**-.00007**	**.06615**	**.00064**
Stddev	.00001	.00006	.00085	.02339	.00161	.00442	.00004	.00004	.00006	.00013
%RSD	39.626	11.590	26.500	44.704	112.01	292.70	31.121	55.390	.09777	20.955
#1	-.00002	.00050	.00381	-.06887	-.00257	.00161	.00009	-.00004	.06620	.00074
#2	-.00004	.00059	.00261	-.03579	-.00030	-.00463	.00014	-.00010	.06611	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00300**	**.00000**	**.02336**	**.00085**	**-.00076**	**.01746**	**.03737**	**.00052**	**-.00009**	**-.00129**
Stddev	.00099	.0003	.00149	.00164	.00231	.00092	.00197	.00023	.00000	.00100
%RSD	33.040	8434.1	6.3884	192.48	304.45	5.2756	5.2756	44.169	2.3967	77.157
#1	-.00230	-.00018	.02230	-.00031	-.00240	.01811	.03876	.00035	-.00009	-.00200
#2	-.00370	.00018	.02442	.00202	.00088	.01681	.03597	.00068	-.00009	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**-.00108**	**.00520**	**.00025**	**.00212**	**.00203**
Stddev	.00007	.00147	.04662	.00006	.00001	.00259
%RSD	13.080	136.39	896.22	22.355	.53759	127.57
#1	-.00049	-.00004	.03816	.00029	.00213	.00387
#2	-.00059	-.00212	-.02776	.00021	.00211	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8369.1**	**112790.**	**6450.4**
Stddev	5.7	7.	6.5
%RSD	.06833	.00636	.10046
#1	8365.1	112780.	6455.0
#2	8373.1	112790.	6445.8

Sample Name: lcs 280-199780/2-a Acquired: 11/11/2013 23:19:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05029**	**2.0500**	**1.0056**	**1.0193**	**2.0223**	**.04901**	**2.2832**	**49.219**	**.10631**	**.49395**
Stddev	.00035	.0076	.0004	.0046	.0048	.00030	.0073	.109	.00023	.00127
%RSD	.69011	.37249	.03508	.44820	.23913	.60508	.31763	.22119	.21736	.25741
#1	.05053	2.0554	1.0058	1.0226	2.0257	.04880	2.2883	49.296	.10648	.49484
#2	.05004	2.0446	1.0053	1.0161	2.0189	.04922	2.2780	49.143	.10615	.49305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20615**	**.25683**	**.98192**	**52.289**	**1.0055**	**50.584**	**.49345**	**1.0365**	**54.419**	**.50376**
Stddev	.00029	.00006	.00943	.033	.0004	.078	.00086	.0032	.067	.00160
%RSD	.14094	.02351	.96005	.06284	.04077	.15465	.17411	.30694	.12352	.31699
#1	.20636	.25679	.97525	52.312	1.0052	50.640	.49405	1.0388	54.371	.50489
#2	.20594	.25688	.98858	52.266	1.0058	50.529	.49284	1.0343	54.466	.50264
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.334**	**.49781**	**.01471**	**.49127**	**2.0122**	**9.9847**	**21.367**	**2.0609**	**1.0055**	**.99496**
Stddev	.048	.00149	.00056	.00412	.0164	.0092	.020	.0160	.0014	.00122
%RSD	.46342	.29989	3.7733	.83860	.81244	.09197	.09197	.77441	.13440	.12307
#1	10.368	.49886	.01511	.49419	2.0237	9.9782	21.353	2.0722	1.0064	.99582
#2	10.300	.49675	.01432	.48836	2.0006	9.9912	21.381	2.0496	1.0045	.99409
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99056**	**1.9647**	**2.1545**	**.50645**	**.50929**	**.51797**
Stddev	.00192	.0159	.0496	.00025	.00082	.00580
%RSD	.19429	.81078	2.3031	.04986	.16104	1.1203
#1	.99192	1.9759	2.1895	.50663	.50871	.52208
#2	.98920	1.9534	2.1194	.50627	.50987	.51387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8006.2**	**106790.**	**6374.5**
Stddev	30.7	222.	30.5
%RSD	.38407	.20814	.47852
#1	7984.4	106940.	6353.0
#2	8027.9	106630.	6396.1

Sample Name: 280-48900-k-1-a Acquired: 11/11/2013 23:21:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00061**	**.14254**	**.00132**	**.01895**	**.21718**	**-.00005**	**-.00117**	**61.322**	**.00030**	**.00002**
Stddev	.00049	.00032	.00256	.00001	.00090	.00003	.00072	.388	.00006	.00031
%RSD	80.250	.22711	194.04	.07227	.41625	57.895	61.135	.63306	20.384	1400.0
#1	.00096	.14277	-.00049	.01894	.21654	-.00003	-.00168	61.047	.00026	.00024
#2	.00026	.14231	.00313	.01896	.21782	-.00007	-.00067	61.596	.00034	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**.00141**	**.11917**	**3.2883**	**.00533**	**8.8194**	**.00296**	**.00104**	**4.7737**	**.00349**
Stddev	.00010	.00021	.00047	.0807	.00089	.0346	.00002	.00019	.0145	.00026
%RSD	12.778	14.729	.39125	2.4554	16.672	.39204	.84061	18.439	.30400	7.4039
#1	.00074	.00127	.11884	3.3454	.00596	8.8438	.00298	.00117	4.7635	.00331
#2	.00088	.00156	.11950	3.2312	.00470	8.7949	.00295	.00090	4.7840	.00368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23532**	**-.00157**	**5.2115**	**-.00122**	**.00031**	**11.103**	**23.760**	**.00041**	**.33931**	**.00044**
Stddev	.00005	.00037	.0040	.00067	.00123	.065	.140	.00042	.00085	.00040
%RSD	.02197	23.730	.07770	54.554	398.93	.58963	.58963	102.56	.25063	90.056
#1	.23536	-.00131	5.2087	-.00075	-.00056	11.057	23.661	.00071	.33871	.00073
#2	.23528	-.00183	5.2144	-.00169	.00118	11.149	23.859	.00011	.33991	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00097**	**-.01574**	**.00149**	**.00488**	**.00413**
Stddev	.00023	.00145	.00787	.00040	.00050	.00119
%RSD	8.0567	149.22	50.015	26.919	10.187	28.812
#1	.00298	-.00005	-.02131	.00178	.00453	.00328
#2	.00266	.00199	-.01018	.00121	.00523	.00497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8308.1**	**111050.**	**6511.6**
Stddev	14.4	132.	3.9
%RSD	.17304	.11848	.05986
#1	8318.3	110960.	6514.4
#2	8297.9	111150.	6508.9

Sample Name: 280-48900-k-1-aSD@5 Acquired: 11/11/2013 23:24:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.03483**	**.00305**	**.00415**	**.04380**	**-.00012**	**-.00068**	**12.385**	**.00016**	**.00005**
Stddev	.00003	.00029	.00049	.00049	.00055	.00008	.00056	.009	.00008	.00014
%RSD	8.1022	.82270	16.070	11.847	1.2450	68.300	81.693	.07546	48.888	303.39
#1	.00043	.03463	.00340	.00450	.04419	-.00017	-.00029	12.378	.00021	.00015
#2	.00039	.03503	.00271	.00380	.04341	-.00006	-.00108	12.391	.00010	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00033**	**.03770**	**.67232**	**.00003**	**1.8133**	**.00077**	**.00017**	**.99216**	**.00072**
Stddev	.00002	.00052	.00006	.12181	.00034	.0115	.00000	.00004	.00176	.00008
%RSD	11.678	154.65	.16564	18.117	1087.0	.63295	.43946	21.099	.17781	10.645
#1	.00019	-.00003	.03774	.75845	.00027	1.8214	.00077	.00015	.99092	.00066
#2	.00023	.00070	.03765	.58619	-.00021	1.8052	.00077	.00020	.99341	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04364**	**-.00041**	**1.0386**	**-.00116**	**-.00105**	**2.1758**	**4.6562**	**.00243**	**.06909**	**-.00051**
Stddev	.00070	.00097	.0065	.00077	.00124	.0105	.0226	.00018	.00044	.00109
%RSD	1.6031	234.78	.62961	66.725	118.17	.48432	.48432	7.4315	.64307	214.43
#1	.04413	-.00110	1.0433	-.00171	-.00193	2.1832	4.6721	.00256	.06940	.00026
#2	.04314	.00027	1.0340	-.00061	-.00017	2.1683	4.6402	.00230	.06877	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00107**	**.02781**	**.00058**	**.00585**	**.00230**
Stddev	.00000	.00042	.02278	.00000	.00022	.00015
%RSD	2.6959	38.810	81.897	.32477	3.7221	6.3427
#1	.00012	.00137	.01171	.00058	.00570	.00220
#2	.00013	.00078	.04392	.00057	.00601	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.4**	**111690.**	**6453.4**
Stddev	11.3	1470.	5.6
%RSD	.13515	1.3166	.08699
#1	8359.4	110650.	6449.5
#2	8343.5	112730.	6457.4

Sample Name: 280-48900-k-1-b ms Acquired: 11/11/2013 23:26:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04685**	**2.0587**	**.92290**	**.94641**	**2.0841**	**.04534**	F **2.0784**	**104.65**	**.09794**	**.45019**
Stddev	.00045	.0003	.00287	.00570	.0026	.00058	.0138	.20	.00046	.00069
%RSD	.95540	.01357	.31106	.60199	.12341	1.2820	.66534	.19127	.46692	.15239
#1	.04653	2.0589	.92493	.95044	2.0859	.04575	2.0882	104.79	.09827	.45067
#2	.04716	2.0585	.92087	.94239	2.0823	.04493	2.0686	104.51	.09762	.44970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18921**	**.24002**	**1.0175**	**51.460**	**.93966**	**54.654**	**.45584**	**.95294**	**54.331**	**.46012**
Stddev	.00047	.00010	.0108	.057	.00455	.013	.00072	.00274	.288	.00058
%RSD	.24700	.04014	1.0591	.11001	.48427	.02299	.15754	.28754	.52963	.12713
#1	.18955	.23995	1.0251	51.420	.94288	54.663	.45635	.95488	54.535	.46053
#2	.18888	.24009	1.0098	51.500	.93645	54.645	.45533	.95100	54.128	.45970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.7380**	**.45190**	**5.1073**	**.44452**	**1.8220**	**20.089**	**42.991**	**1.8724**	**1.2635**	**.92750**
Stddev	.0538	.00321	.0243	.00170	.0118	.229	.490	.0021	.0037	.00073
%RSD	.55243	.70993	.47625	.38310	.64486	1.1402	1.1402	.11194	.28978	.07892
#1	9.7761	.45417	5.1245	.44332	1.8303	20.251	43.337	1.8739	1.2661	.92698
#2	9.7000	.44963	5.0901	.44573	1.8137	19.927	42.644	1.8709	1.2609	.92801
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.92494**	**1.7694**	**1.9783**	**.47110**	**.46635**	**.47270**
Stddev	.00073	.0027	.0037	.00013	.00227	.00559
%RSD	.07923	.15035	.18763	.02681	.48769	1.1835
#1	.92546	1.7713	1.9757	.47118	.46474	.47666
#2	.92443	1.7675	1.9809	.47101	.46796	.46874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7934.2**	**106180.**	**6458.8**
Stddev	40.0	466.	26.7
%RSD	.50395	.43919	.41336
#1	7962.5	106510.	6477.6
#2	7906.0	105850.	6439.9

Sample Name: 280-48900-k-1-c msd Acquired: 11/11/2013 23:28:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04918**	**2.1677**	**.97327**	**.99890**	**2.1871**	**.04745**	F **2.1802**	**110.20**	**.10295**	**.47238**
Stddev	.00016	.0044	.00162	.00094	.0127	.00031	.0029	.50	.00025	.00091
%RSD	.32037	.20486	.16614	.09457	.57875	.65318	.13272	.45528	.24257	.19205
#1	.04907	2.1709	.97441	.99957	2.1960	.04767	2.1781	110.56	.10313	.47302
#2	.04929	2.1646	.97213	.99824	2.1781	.04723	2.1822	109.85	.10277	.47174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19890**	**.24975**	**1.0775**	**54.498**	**.99101**	**57.770**	**.47990**	**1.0005**	**57.463**	**.48428**
Stddev	.00013	.00074	.0053	.260	.00346	.155	.00072	.0011	.309	.00045
%RSD	.06728	.29568	.49551	.47705	.34947	.26901	.14908	.10648	.53850	.09289
#1	.19900	.24922	1.0813	54.682	.99346	57.880	.48041	.99973	57.682	.48459
#2	.19881	.25027	1.0738	54.314	.98856	57.660	.47939	1.0012	57.244	.48396
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.273**	**.47629**	**5.3532**	**.46971**	**1.9208**	**21.191**	**45.348**	**1.9662**	**1.3240**	**.97064**
Stddev	.026	.00014	.0005	.00053	.0096	.202	.433	.0041	.0074	.00015
%RSD	.25613	.03010	.00945	.11354	.50030	.95459	.95459	.20993	.55843	.01539
#1	10.292	.47619	5.3529	.47009	1.9275	21.334	45.654	1.9691	1.3292	.97074
#2	10.255	.47639	5.3536	.46934	1.9140	21.048	45.042	1.9632	1.3188	.97053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96901**	**1.8552**	**2.0704**	**.49448**	**.49401**	**.49762**
Stddev	.00055	.0013	.0185	.00199	.00247	.00518
%RSD	.05667	.06938	.89354	.40172	.50006	1.0417
#1	.96939	1.8561	2.0835	.49589	.49576	.50128
#2	.96862	1.8543	2.0573	.49308	.49227	.49395
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7878.0**	**104120.**	**6214.8**
Stddev	22.2	426.	13.4
%RSD	.28212	.40934	.21510
#1	7862.3	103820.	6224.3
#2	7893.8	104420.	6205.4

Sample Name: 280-48900-k-2-a Acquired: 11/11/2013 23:30:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**.00595**	**.00005**	**.02573**	**.20833**	**-.00008**	**-.00056**	**201.73**	**.00060**	**.00989**
Stddev	.00015	.00039	.00067	.00020	.00048	.00009	.00091	.51	.00003	.00006
%RSD	27.258	6.5645	1280.9	.77095	.22929	105.02	161.83	.25135	4.4225	.63385
#1	.00045	.00568	.00052	.02587	.20866	-.00015	.00008	201.38	.00058	.00994
#2	.00067	.00623	-.00042	.02559	.20799	-.00002	-.00120	202.09	.00062	.00985
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00187**	**.62085**	**2.3817**	**.00940**	**25.876**	**9.1550**	**.00286**	**12.140**	**.01972**
Stddev	.00008	.00012	.00168	.0057	.00007	.069	.0331	.00002	.332	.00016
%RSD	27.081	6.3703	.27045	.23989	.74944	.26689	.36103	.60440	2.7335	.80995
#1	.00025	.00179	.61966	2.3777	.00935	25.925	9.1316	.00287	11.905	.01960
#2	.00037	.00196	.62204	2.3858	.00945	25.827	9.1784	.00284	12.374	.01983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14157**	**-.00003**	**22.690**	**-.00302**	**.00092**	**9.6067**	**20.558**	**.00051**	**.88164**	**-.00040**
Stddev	.00299	.00042	.021	.00071	.00243	.0371	.079	.00017	.00043	.00396
%RSD	2.1094	1376.6	.09079	23.517	263.43	.38666	.38666	33.309	.04834	991.45
#1	.13946	.00027	22.704	-.00252	-.00080	9.5804	20.502	.00039	.88194	-.00320
#2	.14368	-.00033	22.675	-.00353	.00264	9.6329	20.615	.00063	.88134	.00240
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00430**	W **-.05828**	**.00219**	**.00783**	**.00195**
Stddev	.00023	.00116	.00959	.00002	.00013	.00245
%RSD	414.87	27.038	16.451	.95592	1.6600	125.67
#1	.00011	-.00348	-.05150	.00221	.00792	.00368
#2	-.00022	-.00512	-.06506	.00218	.00774	.00022
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7970.6**	**105730.**	**6349.1**
Stddev	3.0	538.	56.3
%RSD	.03746	.50871	.88715
#1	7968.5	105350.	6388.9
#2	7972.8	106110.	6309.2

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:33:07 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00800**	**51.368**	**.00071**	**.00201**	**.00019**	**-.00018**	W **1.0738**	**.08283**	**-.00019**	**-.00012**	**.00007**	**.01275**
Stddev	.00022	.213	.00109	.00024	.00007	.00000	.0041	.02616	.00034	.00013	.00018	.00034
%RSD	2.7160	.41484	153.19	12.083	37.777	1.1569	.38510	31.586	179.34	108.52	248.07	2.6537
#1	.00785	51.519	.00148	.00184	.00014	-.00018	1.0768	.10133	-.00043	-.00003	-.00006	.01299
#2	.00815	51.218	-.00006	.00219	.00024	-.00018	1.0709	.06433	.00005	-.00021	.00020	.01251
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.483**	**.02785**	**-.00172**	**.08180**	**.00155**	**-.00020**	**265.02**	**-.00024**	**-.00066**	**.00086**	**5.1143**	**.00028**
Stddev	.746	.00867	.00011	.00184	.00023	.00009	1.09	.00007	.00130	.00078	.0093	.00052
%RSD	1.4783	31.130	6.4792	2.2443	14.902	44.011	.41169	27.818	198.32	91.191	.18125	184.62
#1	51.011	.02172	-.00164	.08309	.00171	-.00026	265.79	-.00019	-.00158	.00141	5.1209	-.00009
#2	49.955	.03398	-.00180	.08050	.00138	-.00014	264.25	-.00028	.00026	.00030	5.1078	.00064
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00533**	**.02195**	**.04698**	**-.00033**	**.00055**	**4.9763**	**-.01300**	**.00182**	F **6.3259**	**.00130**	**.00144**	**.06167**
Stddev	.00121	.01147	.02454	.00001	.00011	.0081	.00046	.00083	.0528	.00002	.00025	.00062
%RSD	22.718	52.230	52.230	2.8325	20.014	.16332	3.5283	45.791	.83396	1.4513	17.256	1.0030
#1	-.00448	.03006	.06433	-.00032	.00062	4.9821	-.01332	.00240	6.2886	.00132	.00162	.06210
#2	-.00619	.01385	.02963	-.00034	.00047	4.9706	-.01267	.00123	6.3632	.00129	.00127	.06123
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8006.5**	**105250.**	**6354.7**
Stddev	1.3	473.	32.8
%RSD	.01663	.44893	.51548
#1	8005.5	104920.	6331.5
#2	8007.4	105590.	6377.8

Sample Name: CCV-2372889 Acquired: 11/11/2013 23:35:30 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50239**	**.54506**	**1.0051**	**.50642**	**.50338**	**.49147**	**-.00482**	**5.0942**	**.50665**	**.50833**	**.51213**	**.50541**	**2.4828**
Stddev	.00075	.00158	.0006	.00142	.00303	.00122	.00356	.0324	.00127	.00080	.00107	.00008	.0310
%RSD	.14872	.29020	.06469	.28068	.60221	.24734	73.760	.63570	.25112	.15748	.20930	.01653	1.2497
#1	.50186	.54394	1.0047	.50541	.50124	.49061	-.00734	5.1171	.50575	.50776	.51137	.50535	2.5047
#2	.50292	.54617	1.0056	.50743	.50553	.49233	-.00231	5.0713	.50755	.50889	.51289	.50547	2.4608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.107**	**1.0053**	**20.330**	**.50116**	**.51713**	**5.3029**	**.51637**	**1.0181**	**1.0438**	**.01394**	**1.0080**	**1.0188**	**4.9218**
Stddev	.104	.0017	.100	.00132	.00334	.0496	.00160	.0088	.0068	.00196	.0049	.0058	.0584
%RSD	.20015	.16864	.49047	.26396	.64536	.93523	.30920	.86223	.64838	14.050	.48809	.57265	1.1871
#1	52.033	1.0041	20.260	.50022	.51477	5.3380	.51524	1.0119	1.0390	.01255	1.0045	1.0147	4.9631
#2	52.180	1.0065	20.401	.50209	.51949	5.2679	.51750	1.0243	1.0486	.01532	1.0115	1.0229	4.8805
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.533**	**1.0398**	**.50139**	**-.00287**	**.49473**	**1.0411**	**.01355**	**.50547**	**.52005**	**.49758**
Stddev	.125	.0049	.00163	.00018	.00157	.0031	.00110	.00100	.00225	.00383
%RSD	1.1871	.47425	.32579	6.3865	.31720	.29922	8.1364	.19711	.43291	.77029
#1	10.621	1.0363	.50024	-.00300	.49363	1.0389	.01433	.50476	.51846	.50029
#2	10.444	1.0433	.50255	-.00274	.49584	1.0433	.01277	.50617	.52164	.49487
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8168.0**	**109250.**	**6328.2**
Stddev	9.8	542.	10.7
%RSD	.12034	.49581	.16934
#1	8174.9	109640.	6335.8
#2	8161.0	108870.	6320.6

Sample Name: CCB Acquired: 11/11/2013 23:37:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**-.00415**	**.00070**	**.00102**	**.00007**	**.00017**	**-.00226**	**.01168**	**-.00008**	**.00014**	**-.00009**
Stddev	.00007	.00022	.00064	.00044	.00005	.00002	.00098	.00075	.00009	.00018	.00012
%RSD	14.939	5.2992	91.924	43.240	74.386	10.972	43.573	6.4426	120.69	125.60	131.50
#1	.00055	-.00399	.00025	.00071	.00003	.00019	-.00156	.01222	-.00001	.00002	-.00001
#2	.00044	-.00431	.00116	.00133	.00011	.00016	-.00296	.01115	-.00014	.00027	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00116**	**.05339**	**-.00017**	**.00136**	**.00017**	**.00029**	**.00338**	**.00052**	**-.00412**	**-.00029**
Stddev	.00014	.00017	.02158	.00039	.00005	.00000	.00004	.01886	.00008	.00020	.00052
%RSD	42.492	14.313	40.414	226.58	3.6063	.63748	14.949	558.38	15.635	4.9709	180.61
#1	-.00043	.00128	.03813	-.00045	.00132	.00017	.00032	-.00996	.00047	-.00398	.00008
#2	-.00023	.00104	.06865	.00010	.00139	.00018	.00026	.01672	.00058	-.00427	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02098**	F **.00697**	**.00025**	**.02535**	**.05424**	**.00021**	**.00015**	**-.00004**	W **-.00068**	**-.00012**	**.04126**
Stddev	.00138	.00051	.00272	.00467	.01000	.00102	.00011	.00121	.00016	.00029	.01628
%RSD	6.5952	7.3261	1105.4	18.435	18.435	485.43	73.116	3221.3	23.019	233.61	39.455
#1	.02000	.00661	.00217	.02865	.06131	.00093	.00023	.00082	-.00079	.00008	.02975
#2	.02196	.00733	-.00168	.02204	.04717	-.00051	.00007	-.00089	-.00057	-.00033	.05277
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit		.00628							.00060		
Low Limit		-.00628							-.00060		

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00058**	**.00297**	W **.00242**
Stddev	.00063	.00020	.00030
%RSD	109.56	6.5877	12.276
#1	.00013	.00283	.00221
#2	.00103	.00310	.00263
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8259.1**	**111230.**	**6269.4**
Stddev	37.3	180.	31.6
%RSD	.45147	.16182	.50332
#1	8285.5	111100.	6247.0
#2	8232.7	111360.	6291.7

Sample Name: CCVL2372865 Acquired: 11/11/2013 23:39:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01099**	**.10838**	**.01702**	**.10059**	**.01002**	**.00092**	**.12733**	**.21279**	**.00524**	**.01076**	**.01041**	**.01593**	**.09969**
Stddev	.00002	.00054	.00201	.00010	.00016	.00003	.00008	.00222	.00013	.00016	.00011	.00034	.00134
%RSD	.17078	.49921	11.798	.10363	1.6228	3.4366	.06569	1.0449	2.4488	1.4750	1.0117	2.1619	1.3423
#1	.01098	.10877	.01844	.10067	.00991	.00090	.12728	.21437	.00515	.01087	.01034	.01617	.10064
#2	.01101	.10800	.01560	.10052	.01014	.00095	.12739	.21122	.00533	.01064	.01048	.01568	.09874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1062**	**.00754**	**.20916**	**.01025**	**.02024**	**1.0585**	**.04269**	**2.9819**	**.00928**	**.01580**	**.00747**	**.01454**	**.49078**
Stddev	.0368	.00327	.00123	.00003	.00018	.0052	.00039	.0002	.00033	.00147	.00019	.00000	.01068
%RSD	1.1842	43.358	.58591	.25581	.87024	.49355	.90724	.00539	3.5687	9.2778	2.5690	.01987	2.1759
#1	3.1322	.00523	.20829	.01023	.02036	1.0622	.04296	2.9818	.00952	.01683	.00760	.01453	.49833
#2	3.0802	.00985	.21003	.01027	.02011	1.0548	.04241	2.9820	.00905	.01476	.00733	.01454	.48322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0503**	**.10465**	**.00999**	**.01319**	**.00914**	**.01637**	F **.11338**	**.01001**	**.02369**	**.01588**
Stddev	.0228	.00036	.00019	.00071	.00017	.00013	.04004	.00044	.00027	.00074
%RSD	2.1759	.33982	1.8793	5.4155	1.8679	.77253	35.311	4.3670	1.1254	4.6372
#1	1.0664	.10490	.01013	.01269	.00926	.01628	.08507	.00970	.02350	.01641
#2	1.0341	.10440	.00986	.01370	.00902	.01646	.14169	.01032	.02388	.01536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8560.5**	**115810.**	**6602.1**
Stddev	12.6	143.	45.0
%RSD	.14729	.12350	.68226
#1	8551.5	115710.	6570.3
#2	8569.4	115910.	6634.0

Sample Name: 280-48901-e-1-a Acquired: 11/11/2013 23:42:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00451**	**-.00073**	**.14020**	**.12798**	**-.00004**	**-.00158**	**435.54**	**.00297**	**.00291**
Stddev	.00053	.00006	.00122	.00016	.00055	.00009	.00153	3.94	.00020	.00024
%RSD	51.137	1.4266	166.92	.11446	.43142	199.73	96.847	.90423	6.8320	8.3391
#1	.00066	.00447	.00013	.14031	.12759	-.00011	-.00266	432.76	.00311	.00308
#2	.00141	.00456	-.00159	.14009	.12837	.00002	-.00050	438.33	.00282	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00242**	**.02489**	**2.9065**	**.02562**	**43.053**	W **12.584**	**.00543**	**212.43**	**.09087**
Stddev	.00003	.00030	.00027	.0200	.00133	.081	.057	.00007	.09	.00009
%RSD	10.120	12.596	1.0971	.68754	5.1845	.18814	.45430	1.3715	.04325	.09670
#1	.00026	.00221	.02508	2.8924	.02655	43.110	12.544	.00537	212.37	.09081
#2	.00030	.00264	.02470	2.9207	.02468	42.996	12.624	.00548	212.50	.09094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							10.000			
Low Limit							-.01000			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21614**	**-.00012**	**89.567**	**-.00119**	**-.00105**	**13.392**	**28.659**	**-.00004**	**1.2597**	**-.00172**
Stddev	.00114	.00102	.147	.00052	.00158	.118	.254	.00017	.0007	.00185
%RSD	.52936	812.64	.16389	44.165	150.00	.88474	.88474	395.47	.05389	107.49
#1	.21533	.00059	89.671	-.00082	-.00217	13.308	28.480	.00008	1.2602	-.00303
#2	.21695	-.00084	89.464	-.00156	.00006	13.476	28.839	-.00017	1.2593	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**-.00535**	**-.03428**	**.00355**	**.01355**	**.00217**
Stddev	.00002	.00026	.00394	.00075	.00055	.00200
%RSD	219.19	4.7958	11.478	21.271	4.0388	92.159
#1	-.00001	-.00517	-.03706	.00408	.01394	.00359
#2	.00003	-.00553	-.03150	.00301	.01316	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7616.5**	**101990.**	**6348.2**
Stddev	19.2	332.	38.2
%RSD	.25209	.32576	.60242
#1	7630.1	101750.	6375.3
#2	7602.9	102220.	6321.2

Sample Name: 280-48901-b-2-a Acquired: 11/11/2013 23:44:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.17429**	**.00358**	**.01894**	**.21923**	**.00003**	**-.00317**	**58.708**	**.00022**	**-.00008**
Stddev	.00015	.00088	.00052	.00016	.00001	.00004	.00230	.297	.00001	.00025
%RSD	195.41	.50601	14.468	.83148	.00345	134.85	72.713	.50604	5.6780	319.89
#1	.00018	.17491	.00322	.01905	.21924	.00000	-.00154	58.918	.00022	-.00026
#2	-.00003	.17367	.00395	.01883	.21923	.00005	-.00480	58.498	.00021	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00143**	**.12195**	**3.4305**	**.00559**	**8.9675**	**.00451**	**.00059**	**5.0648**	**.00305**
Stddev	.00001	.00022	.00120	.0250	.00033	.0000	.00030	.00022	.0349	.00024
%RSD	1.3123	15.080	.98434	.72976	5.8521	.00010	6.7190	36.848	.68859	7.8709
#1	.00092	.00159	.12111	3.4128	.00535	8.9675	.00472	.00044	5.0894	.00322
#2	.00093	.00128	.12280	3.4482	.00582	8.9675	.00430	.00074	5.0401	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25650**	**-.00159**	**4.9692**	**-.00295**	**.00049**	**11.673**	**24.981**	**.00008**	**.33617**	**-.00083**
Stddev	.00006	.00040	.0085	.00226	.00342	.040	.085	.00061	.00099	.00227
%RSD	.02489	25.220	.17173	76.853	701.12	.33875	.33875	796.20	.29431	273.33
#1	.25646	-.00130	4.9752	-.00134	-.00193	11.645	24.921	.00050	.33687	-.00243
#2	.25655	-.00187	4.9631	-.00455	.00291	11.701	25.040	-.00035	.33547	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00362**	**.00114**	**.01605**	**.00123**	**.00445**	**.00314**
Stddev	.00009	.00157	.00531	.00042	.00018	.00213
%RSD	2.4824	138.17	33.078	34.455	4.0400	67.848
#1	.00369	.00225	.01981	.00152	.00458	.00163
#2	.00356	.00003	.01230	.00093	.00433	.00464
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8322.9**	**111420.**	**6619.7**
Stddev	20.4	320.	50.1
%RSD	.24500	.28750	.75701
#1	8308.5	111650.	6584.3
#2	8337.3	111200.	6655.1

Sample Name: 280-48901-b-3-a Acquired: 11/11/2013 23:47:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.01105**	**.00054**	**.02112**	**.24589**	**-.00005**	**-.00224**	**224.41**	**.00035**	**.01561**
Stddev	.00023	.00024	.00176	.00005	.00083	.00001	.00082	.58	.00014	.00016
%RSD	49.773	2.1830	325.67	.24047	.33780	11.268	36.526	.26060	40.022	1.0352
#1	.00029	.01122	.00178	.02116	.24531	-.00004	-.00282	224.00	.00025	.01550
#2	.00061	.01088	-.00070	.02109	.24648	-.00005	-.00166	224.83	.00045	.01573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00169**	**1.1139**	**2.1755**	**.01279**	**26.500**	**7.4818**	**.00174**	**12.929**	**.01806**
Stddev	.00011	.00010	.0016	.0357	.00071	.036	.0600	.00000	.035	.00013
%RSD	147.80	6.0568	.14167	1.6387	5.5774	.13423	.80222	.00088	.26925	.71610
#1	-.00015	.00162	1.1151	2.2007	.01228	26.525	7.4393	.00174	12.904	.01797
#2	.00000	.00176	1.1128	2.1503	.01329	26.475	7.5242	.00174	12.953	.01815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18454**	**.00023**	**24.953**	**-.00008**	**-.00106**	**10.645**	**22.780**	**.00027**	**.98001**	**-.00118**
Stddev	.00449	.00085	.041	.00165	.00150	.086	.183	.00028	.00454	.00051
%RSD	2.4357	371.74	.16306	1949.0	140.67	.80505	.80505	105.13	.46294	43.004
#1	.18136	.00083	24.924	.00108	-.00212	10.705	22.910	.00007	.97680	-.00082
#2	.18772	-.00037	24.982	-.00125	-.00001	10.584	22.650	.00047	.98321	-.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**-.00391**	**-.00755**	**.00205**	**.00767**	**.00034**
Stddev	.00032	.00006	.00925	.00042	.00031	.00163
%RSD	207.52	1.5518	122.47	20.632	4.0126	484.35
#1	-.00038	-.00395	-.01409	.00175	.00745	-.00082
#2	.00007	-.00387	-.00101	.00234	.00788	.00149
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8023.4**	**107420.**	**6466.9**
Stddev	.7	315.	26.0
%RSD	.00815	.29288	.40265
#1	8023.8	107640.	6485.3
#2	8022.9	107200.	6448.5

Sample Name: 280-48901-e-4-a Acquired: 11/11/2013 23:49:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00975**	**.00286**	**.02383**	**.21370**	**-.00009**	**-.00231**	**205.50**	**.00051**	**.00988**
Stddev	.00012	.00004	.00062	.00044	.00162	.00003	.00277	1.59	.00009	.00006
%RSD	14.116	.39320	21.804	1.8668	.75766	30.623	119.60	.77402	17.783	.58720
#1	.00074	.00973	.00330	.02351	.21255	-.00007	-.00427	204.38	.00057	.00984
#2	.00091	.00978	.00242	.02414	.21484	-.00010	-.00036	206.63	.00044	.00992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**.00163**	**.63756**	**2.3240**	**.01104**	**25.903**	**9.2670**	**.00216**	**12.277**	**.01978**
Stddev	.00004	.00020	.00641	.0503	.00202	.037	.0494	.00029	.208	.00019
%RSD	232.92	12.557	1.0046	2.1651	18.260	.14438	.53286	13.249	1.6941	.96627
#1	.00001	.00148	.63303	2.3596	.01247	25.877	9.2321	.00236	12.130	.01992
#2	-.00005	.00177	.64209	2.2884	.00962	25.930	9.3019	.00196	12.424	.01965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14475**	**.00035**	**23.052**	**-.00208**	**.00077**	**9.6429**	**20.636**	**.00359**	**.90451**	**-.00047**
Stddev	.00096	.00040	.025	.00069	.00393	.0034	.007	.00021	.00717	.00180
%RSD	.66304	111.81	.10977	33.082	507.04	.03513	.03513	5.8001	.79302	379.50
#1	.14407	.00007	23.034	-.00257	.00355	9.6405	20.631	.00344	.89944	.00080
#2	.14543	.00063	23.070	-.00160	-.00200	9.6453	20.641	.00374	.90958	-.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00511**	**-.04718**	**.00211**	**.00883**	**.00132**
Stddev	.00002	.00011	.04694	.00014	.00010	.00169
%RSD	7.0578	2.0827	99.502	6.7438	1.1666	127.89
#1	-.00026	-.00503	-.08037	.00221	.00876	.00251
#2	-.00028	-.00518	-.01398	.00201	.00890	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7998.2**	**106860.**	**6473.4**
Stddev	2.6	129.	12.0
%RSD	.03197	.12103	.18560
#1	8000.0	106770.	6481.9
#2	7996.4	106950.	6464.9

Sample Name: 280-48901-e-5-a Acquired: 11/11/2013 23:51:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00027	.08690	-.00089	.11523	.03427	.00000	-.00368	240.78	.00083	.00008
Stddev	.00055	.00022	.00061	.00039	.00036	.0000	.00031	1.14	.00007	.00022
%RSD	205.40	.25693	68.760	.33439	1.0596	898.95	8.4934	.47195	8.4269	275.95
#1	.00066	.08674	-.00046	.11496	.03452	.00002	-.00391	241.58	.00078	.00024
#2	-.00012	.08706	-.00132	.11550	.03401	-.00003	-.00346	239.97	.00087	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00049	.00262	.08135	5.2475	.03008	65.012	.00577	.00778	32.946	.00191
Stddev	.00008	.00029	.00313	.0760	.00455	.021	.00033	.00033	.305	.00025
%RSD	15.334	10.961	3.8487	1.4488	15.120	.03193	5.6410	4.3041	.92465	12.875
#1	.00054	.00282	.08357	5.3012	.03329	65.026	.00600	.00754	33.162	.00208
#2	.00044	.00241	.07914	5.1937	.02686	64.997	.00554	.00801	32.731	.00174
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.01402	-.00101	W 185.75	-.00185	.02725	7.0611	15.111	-.00022	1.6987	-.00244
Stddev	.00205	.00057	.19	.00001	.00302	.0420	.090	.00022	.0022	.00090
%RSD	14.619	56.208	.10211	.37480	11.087	.59524	.59524	102.52	.13190	36.695
#1	.01547	-.00061	185.88	-.00186	.02939	7.0909	15.174	-.00038	1.7003	-.00181
#2	.01257	-.00141	185.61	-.00185	.02511	7.0314	15.047	-.00006	1.6971	-.00307
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00216	.00158	.03633	.00102	.01204	.00026
Stddev	.00046	.00025	.00955	.00017	.00001	.00238
%RSD	21.198	15.621	26.274	17.024	.06234	898.40
#1	.00248	.00176	.02958	.00089	.01205	-.00142
#2	.00184	.00141	.04308	.00114	.01204	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7887.4	106040.	6480.4
Stddev	26.9	54.	15.8
%RSD	.34123	.05066	.24311
#1	7868.4	106010.	6469.3
#2	7906.4	106080.	6491.5

Sample Name: 280-48901-e-6-a Acquired: 11/11/2013 23:54:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00204**	**.00222**	**.06542**	**.08746**	**.00000**	**-.00215**	**214.01**	**.00369**	**.00093**
Stddev	.00056	.00010	.00108	.00039	.00014	.0001	.00081	.32	.00006	.00028
%RSD	566.59	5.1206	48.511	.60204	.16358	1743.5	37.645	.14771	1.4932	29.646
#1	-.00030	.00211	.00299	.06570	.08736	.00004	-.00273	214.24	.00365	.00113
#2	.00050	.00196	.00146	.06515	.08756	-.00005	-.00158	213.79	.00373	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.01928**	**.09751**	**3.2170**	**.02243**	**43.297**	**.28855**	**.00494**	**27.975**	**.06294**
Stddev	.00004	.00005	.00216	.0329	.00195	.459	.00218	.00020	.320	.00019
%RSD	6.5707	.27471	2.2102	1.0225	8.6862	1.0603	.75639	4.1127	1.1449	.30604
#1	.00060	.01924	.09599	3.1938	.02105	43.622	.29009	.00508	28.202	.06281
#2	.00066	.01931	.09904	3.2403	.02380	42.973	.28701	.00480	27.749	.06308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00718**	**-.00066**	**61.989**	**-.00102**	**.03822**	**8.6765**	**18.568**	**-.00008**	**1.2247**	**.00008**
Stddev	.00118	.00009	.061	.00153	.00094	.0626	.134	.00010	.0016	.00007
%RSD	16.397	13.510	.09910	150.07	2.4577	.72197	.72197	112.80	.13042	84.561
#1	.00635	-.00060	62.032	.00006	.03888	8.7208	18.662	-.00002	1.2235	.00013
#2	.00802	-.00072	61.946	-.00210	.03756	8.6322	18.473	-.00015	1.2258	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00048**	**-.02652**	**.00102**	**.15287**	**.00313**
Stddev	.00018	.00043	.04502	.00016	.00179	.00048
%RSD	346.29	88.582	169.80	16.132	1.1734	15.429
#1	-.00018	.00078	-.05835	.00090	.15414	.00279
#2	.00008	.00018	.00532	.00113	.15160	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8007.8**	**108320.**	**6646.8**
Stddev	1.0	469.	24.0
%RSD	.01311	.43340	.36138
#1	8007.1	107990.	6629.8
#2	8008.6	108650.	6663.8

Sample Name: 280-48901-e-7-a Acquired: 11/11/2013 23:56:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.04639**	**.00292**	**.06496**	**.04289**	**-.00003**	**-.00127**	**370.03**	**.00076**	**.00249**
Stddev	.00018	.00070	.00334	.00010	.00004	.00007	.00138	2.26	.00006	.00015
%RSD	58.756	1.5086	114.69	.15529	.09916	259.71	108.86	.61016	8.0373	6.1808
#1	.00018	.04689	.00055	.06488	.04292	-.00007	-.00029	368.43	.00080	.00238
#2	.00044	.04590	.00528	.06503	.04286	.00002	-.00224	371.62	.00071	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00636**	**1.2655**	**1.4637**	**.01751**	**24.666**	**.29718**	**.00438**	**48.615**	**.04366**
Stddev	.00007	.00009	.0018	.0327	.00164	.064	.00018	.00014	.060	.00036
%RSD	23.427	1.4222	.14436	2.2336	9.3401	.26025	.06024	3.1635	.12351	.81726
#1	.00026	.00630	1.2643	1.4868	.01636	24.712	.29705	.00448	48.657	.04391
#2	.00036	.00643	1.2668	1.4406	.01867	24.621	.29731	.00428	48.572	.04341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07884**	**-.00155**	W **187.71**	**-.00067**	**-.00194**	**10.972**	**23.479**	**.00007**	**1.7443**	**-.00229**
Stddev	.00329	.00065	.29	.00177	.00448	.040	.085	.00045	.0071	.00194
%RSD	4.1731	42.188	.15268	263.35	230.99	.36228	.36228	640.06	.40925	85.066
#1	.07652	-.00202	187.51	-.00192	-.00511	10.943	23.419	-.00025	1.7392	-.00091
#2	.08117	-.00109	187.91	.00058	.00123	11.000	23.539	.00039	1.7493	-.00366
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			180.00							
Low Limit			-.15000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**.00104**	**.01216**	**.00115**	**.03461**	**.00289**
Stddev	.00043	.00269	.05003	.00003	.00067	.00096
%RSD	73.505	259.73	411.56	2.2130	1.9487	33.244
#1	.00028	-.00087	-.02322	.00117	.03413	.00358
#2	.00089	.00294	.04753	.00113	.03509	.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7982.9**	**107580.**	**6750.3**
Stddev	4.1	40.	6.2
%RSD	.05131	.03730	.09117
#1	7980.1	107550.	6754.6
#2	7985.8	107610.	6745.9

Sample Name: CCVH-2372891 Acquired: 11/11/2013 23:58:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00802**	**51.348**	**.00374**	**.00072**	**-.00006**	**-.00013**	W **1.0996**	**.13329**	**-.00027**	**-.00049**	**-.00003**	**.01273**
Stddev	.00041	.398	.00061	.00043	.00028	.00002	.0004	.05291	.00001	.00015	.00013	.00002
%RSD	5.1492	.77538	16.188	59.236	446.19	18.397	.03703	39.700	4.0777	30.567	516.32	.15736
#1	.00773	51.067	.00332	.00102	.00014	-.00011	1.0993	.17070	-.00028	-.00039	.00007	.01275
#2	.00832	51.630	.00417	.00042	-.00026	-.00014	1.0999	.09587	-.00027	-.00060	-.00012	.01272
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.109**	**.03202**	**-.00233**	**.08700**	**.00083**	**-.00027**	**268.57**	**-.00038**	**-.00191**	**.00010**	**5.2416**	**-.00216**
Stddev	.105	.02999	.00318	.00149	.00009	.00024	2.36	.00010	.00006	.00048	.0192	.00204
%RSD	.20892	93.677	136.63	1.7123	11.021	87.742	.87832	27.797	3.0693	484.86	.36544	94.512
#1	50.183	.01081	-.00458	.08595	.00089	-.00044	266.90	-.00045	-.00195	.00044	5.2552	-.00072
#2	50.035	.05323	-.00008	.08806	.00076	-.00010	270.24	-.00030	-.00187	-.00024	5.2281	-.00361
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00302**	**.01664**	**.03560**	**-.00041**	**.00071**	**4.9729**	**-.01319**	**.00118**	F **6.4046**	**.00163**	**.00128**	**.06876**
Stddev	.00063	.00468	.01002	.00002	.00022	.0249	.00011	.00013	.0015	.00004	.00005	.00160
%RSD	20.822	28.156	28.156	5.4660	30.272	.50073	.79792	10.707	.02344	2.5417	4.0808	2.3230
#1	-.00347	.01332	.02851	-.00043	.00086	4.9552	-.01311	.00109	6.4057	.00166	.00132	.06763
#2	-.00258	.01995	.04269	-.00040	.00056	4.9905	-.01326	.00127	6.4036	.00160	.00125	.06989
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.1**	**110740.**	**6887.2**
Stddev	13.4	455.	78.8
%RSD	.16212	.41125	1.1442
#1	8291.6	111060.	6942.9
#2	8272.6	110420.	6831.4

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:01:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52761**	F **.57339**	**1.0576**	**.52464**	**.52572**	**.51332**	**-.00493**	**5.3062**	**.53183**	**.52875**	**.53463**	**.53529**
Stddev	.00078	.00082	.0053	.00016	.00053	.00075	.00025	.0044	.00069	.00011	.00026	.00076
%RSD	.14726	.14343	.50556	.03096	.10070	.14588	4.9856	.08315	.12964	.02048	.04806	.14201
#1	.52706	.57397	1.0538	.52453	.52534	.51385	-.00476	5.3093	.53231	.52867	.53481	.53583
#2	.52816	.57280	1.0614	.52475	.52609	.51279	-.00510	5.3031	.53134	.52883	.53445	.53476
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6031**	**53.993**	**1.0389**	**21.135**	**.51960**	**.54181**	W **5.5080**	**.53884**	**1.0695**	**1.0833**	**.03056**	**1.0628**
Stddev	.0008	.102	.0002	.008	.00037	.00396	.0426	.00018	.0136	.0045	.00097	.0001
%RSD	.02895	.18983	.01516	.03984	.07139	.73075	.77355	.03267	1.2758	.41479	3.1710	.00450
#1	2.6026	54.065	1.0388	21.141	.51934	.53901	5.5381	.53872	1.0598	1.0801	.03125	1.0628
#2	2.6037	53.921	1.0390	21.129	.51986	.54461	5.4778	.53897	1.0791	1.0864	.02988	1.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value							5.0000					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0694**	**5.0820**	**10.876**	**1.0860**	**.52452**	**-.00573**	**.51227**	**1.0855**	**.02484**	**.52604**	**.53777**	**.52178**
Stddev	.0022	.0182	.039	.0035	.00046	.00039	.00104	.0015	.03518	.00045	.00010	.00029
%RSD	.20516	.35909	.35909	.32186	.08687	6.7343	.20389	.13814	141.63	.08528	.01868	.05612
#1	1.0710	5.0949	10.903	1.0836	.52484	-.00600	.51301	1.0845	.04972	.52636	.53784	.52199
#2	1.0679	5.0691	10.848	1.0885	.52420	-.00546	.51154	1.0866	-.00004	.52572	.53769	.52158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8285.1**	**112360.**	**6731.2**
Stddev	41.9	73.	58.9
%RSD	.50593	.06488	.87449
#1	8255.5	112310.	6772.9
#2	8314.8	112410.	6689.6

Sample Name: CCB Acquired: 11/12/2013 0:03:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**-.00380**	**.00321**	**-.00010**	**-.00013**	**.00018**	**.00048**	**.01500**	**.00007**	**.00035**	**-.00002**	**.00013**
Stddev	.00078	.00001	.00038	.00029	.00016	.00007	.00135	.00185	.00010	.00013	.00000	.00004
%RSD	137.36	.21818	11.822	286.99	122.60	40.827	284.06	12.316	157.10	36.989	16.025	28.680
#1	.00002	-.00380	.00294	.00010	-.00002	.00024	.00143	.01369	-.00001	.00045	-.00002	.00011
#2	.00113	-.00381	.00348	-.00031	-.00024	.00013	-.00048	.01631	.00014	.00026	-.00001	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.03343**	**-.00072**	**.00580**	**.00011**	**.00039**	**.01667**	**.00033**	**-.00428**	**.00029**	**.03125**	F **.00654**
Stddev	.00063	.01782	.00017	.00097	.00003	.00027	.00933	.00000	.00127	.00027	.00219	.00047
%RSD	280.66	53.290	23.741	16.712	27.426	68.372	55.974	.84482	29.666	94.167	7.0044	7.2342
#1	-.00066	.04603	-.00060	.00648	.00009	.00020	.02327	.00032	-.00338	.00048	.03280	.00621
#2	.00022	.02083	-.00084	.00511	.00014	.00058	.01007	.00033	-.00518	.00010	.02970	.00688
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00628
Low Limit												-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00459**	**.00982**	**.00012**	W **.00033**	**-.00104**	**-.00050**	**-.00031**	**-.00010**	**.00007**	**.00336**	**.00201**
Stddev	.00310	.00532	.01138	.00038	.00013	.00121	.00023	.00072	.04996	.00001	.00009	.00066
%RSD	2480.1	115.84	115.84	303.59	38.559	116.60	46.245	232.37	49500.	15.997	2.6224	32.882
#1	-.00207	.00835	.01787	-.00014	.00042	-.00018	-.00033	.00020	-.03542	.00006	.00342	.00155
#2	.00232	.00083	.00178	.00039	.00024	-.00190	-.00066	-.00082	.03522	.00007	.00330	.00248
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8263.5**	**112190.**	**6426.2**
Stddev	7.5	529.	23.3
%RSD	.09083	.47182	.36273
#1	8268.8	111810.	6409.8
#2	8258.2	112560.	6442.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:05:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01138**	**.11174**	**.01658**	**.10225**	**.01004**	**.00097**	**.12522**	**.22250**	**.00519**	**.01108**	**.01060**	**.01604**	**.10377**
Stddev	.00077	.00046	.00046	.00022	.00014	.00001	.00472	.00292	.00007	.00001	.00001	.00005	.00058
%RSD	6.8011	.41614	2.7875	.21349	1.4040	1.5437	3.7661	1.3109	1.2964	.08112	.07661	.31461	.56151
#1	.01083	.11207	.01691	.10241	.00994	.00098	.12856	.22456	.00515	.01107	.01060	.01600	.10336
#2	.01192	.11141	.01626	.10210	.01014	.00096	.12189	.22043	.00524	.01108	.01061	.01608	.10418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1816**	**.00721**	**.21277**	**.01041**	**.02105**	**1.0779**	**.04354**	**3.0504**	**.00965**	**.03204**	**.01125**	**.01577**	**.51374**
Stddev	.0338	.00240	.00264	.00004	.00007	.0184	.00043	.0041	.00062	.00145	.00003	.00155	.02913
%RSD	1.0613	33.335	1.2413	.42792	.34736	1.7078	.98602	.13315	6.4219	4.5379	.25878	9.8493	5.6706
#1	3.1577	.00891	.21464	.01038	.02100	1.0649	.04324	3.0476	.00922	.03101	.01123	.01467	.49314
#2	3.2055	.00551	.21091	.01044	.02110	1.0909	.04384	3.0533	.01009	.03307	.01127	.01687	.53434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0994**	**.10866**	**.01020**	**.01614**	**.00949**	**.01670**	**.06089**	**.01033**	F **.02604**	**.01845**
Stddev	.0623	.00066	.00019	.00091	.00008	.00060	.00873	.00032	.00008	.00032
%RSD	5.6706	.60486	1.8206	5.6454	.85829	3.5701	14.345	3.1035	.29351	1.7407
#1	1.0553	.10819	.01007	.01549	.00955	.01628	.05471	.01056	.02599	.01868
#2	1.1435	.10912	.01033	.01678	.00943	.01712	.06707	.01010	.02610	.01822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8375.5**	**113380.**	**6473.9**
Stddev	8.1	321.	6.3
%RSD	.09666	.28334	.09661
#1	8369.7	113600.	6469.5
#2	8381.2	113150.	6478.3

Sample Name: 280-48901-e-8-a Acquired: 11/12/2013 0:08:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.03308**	**.00235**	**.65334**	**.12059**	**-.00002**	**-.00386**	**144.44**	**.00072**	**.00078**
Stddev	.00031	.00028	.00184	.00628	.00180	.00007	.00126	.48	.00011	.00000
%RSD	54.147	.84447	78.162	.96076	1.4959	274.78	32.483	.32982	14.965	.01790
#1	.00035	.03328	.00105	.64891	.12186	-.00007	-.00298	144.78	.00065	.00078
#2	.00079	.03288	.00365	.65778	.11931	.00002	-.00475	144.10	.00080	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00318**	**1.0465**	**5.2257**	**.02785**	**55.745**	**.59996**	**.00379**	**107.27**	**.00658**
Stddev	.00002	.00019	.0254	.0186	.00015	.192	.00165	.00006	.04	.00006
%RSD	7.3281	5.9091	2.4293	.35521	.54930	.34524	.27439	1.5738	.04011	.84907
#1	.00026	.00331	1.0645	5.2126	.02796	55.609	.59880	.00375	107.24	.00662
#2	.00024	.00305	1.0285	5.2388	.02775	55.882	.60112	.00383	107.30	.00655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69348**	**-.00075**	**41.255**	**-.00255**	**-.00167**	**11.719**	**25.078**	**.00013**	**1.5938**	**-.00251**
Stddev	.00708	.00100	.191	.00223	.00374	.163	.349	.00057	.0022	.00042
%RSD	1.0207	133.25	.46326	87.472	224.18	1.3937	1.3937	424.23	.13721	16.620
#1	.68847	-.00004	41.120	-.00413	.00098	11.834	25.325	-.00027	1.5953	-.00280
#2	.69848	-.00146	41.390	-.00097	-.00432	11.603	24.831	.00054	1.5922	-.00221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**.00023**	**-.00649**	**.00138**	**.00803**	**.00267**
Stddev	.00044	.00005	.00628	.00014	.00001	.00108
%RSD	93.009	20.149	96.739	10.426	.07676	40.270
#1	.00078	.00020	-.01093	.00128	.00802	.00191
#2	.00016	.00026	-.00205	.00148	.00803	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7954.3**	**107350.**	**6575.2**
Stddev	33.7	226.	13.3
%RSD	.42376	.21027	.20232
#1	7978.1	107510.	6584.6
#2	7930.4	107190.	6565.8

Sample Name: 280-48901-e-9-a Acquired: 11/12/2013 0:10:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00025	.00946	.00548	.31942	.03041	-.00005	-.00023	76.699	.00039	.00202
Stddev	.00010	.00010	.00059	.00071	.00041	.00003	.00067	.095	.00010	.00014
%RSD	39.776	1.0314	10.793	.22181	1.3482	72.811	288.42	.12380	24.298	6.9336
#1	.00018	.00939	.00590	.31892	.03070	-.00002	-.00071	76.632	.00046	.00192
#2	.00032	.00952	.00506	.31992	.03012	-.00007	.00024	76.766	.00033	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00066	.00359	.14388	68.739	.28366	39.160	.06942	.00763	164.53	.00218
Stddev	.00024	.00057	.00031	.090	.00008	.005	.00017	.00005	.22	.00049
%RSD	36.399	16.027	.21880	.13160	.02709	.01361	.24002	.60863	.13388	22.368
#1	.00049	.00399	.14410	68.675	.28361	39.164	.06930	.00767	164.69	.00183
#2	.00083	.00318	.14366	68.803	.28372	39.156	.06954	.00760	164.38	.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.02918	-.00103	108.60	-.00159	-.00020	5.9969	12.833	.00093	2.9285	-.00339
Stddev	.00037	.00086	.02	.00032	.00104	.0231	.050	.00009	.0044	.00073
%RSD	1.2848	83.458	.02047	20.231	519.88	.38583	.38583	9.5395	.15035	21.589
#1	.02891	-.00042	108.59	-.00136	.00054	5.9806	12.798	.00087	2.9316	-.00391
#2	.02944	-.00163	108.62	-.00181	-.00094	6.0133	12.868	.00100	2.9254	-.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00017	.00035	.00833	.00051	.00512	.00280
Stddev	.00008	.00081	.02426	.00042	.00017	.00091
%RSD	44.182	233.23	291.12	82.575	3.3207	32.516
#1	-.00022	.00092	.02549	.00021	.00500	.00344
#2	-.00012	-.00023	-.00882	.00080	.00524	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7964.2	106330.	6569.5
Stddev	.2	273.	47.3
%RSD	.00232	.25686	.71973
#1	7964.3	106140.	6602.9
#2	7964.1	106520.	6536.0

Sample Name: 280-48901-e-10-a Acquired: 11/12/2013 0:12:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00113**	**.00222**	**.00130**	**-.00013**	**-.00009**	**-.00107**	**.06793**	**.00004**	**.00009**
Stddev	.00015	.00014	.00034	.00008	.00015	.00005	.00399	.00400	.00008	.00009
%RSD	33.096	12.237	15.276	5.8136	116.41	53.380	371.74	5.8958	216.77	101.83
#1	.00055	-.00123	.00246	.00125	-.00002	-.00005	.00175	.07076	-.00002	.00015
#2	.00034	-.00104	.00198	.00135	-.00024	-.00012	-.00389	.06510	.00010	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00273**	**.00402**	**.05970**	**-.00129**	**.01225**	**.00027**	**-.00008**	**.10992**	**.00064**
Stddev	.00001	.00041	.00055	.02041	.00093	.00163	.00005	.00012	.01769	.00031
%RSD	5.8971	15.025	13.683	34.189	72.478	13.282	17.794	159.86	16.096	48.513
#1	.00019	.00244	.00363	.07414	-.00195	.01340	.00030	.00001	.12243	.00042
#2	.00020	.00302	.00441	.04527	-.00063	.01110	.00023	-.00017	.09741	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00397**	**-.00112**	**.04445**	**-.00225**	**-.00128**	**.01395**	**.02985**	**.00063**	**.00093**	**-.00200**
Stddev	.00079	.00059	.00287	.00107	.00018	.01117	.02390	.00008	.00030	.00053
%RSD	20.008	52.750	6.4500	47.703	13.918	80.079	80.079	12.786	32.211	26.329
#1	-.00453	-.00070	.04648	-.00301	-.00141	.00605	.01295	.00057	.00115	-.00237
#2	-.00341	-.00153	.04243	-.00149	-.00116	.02185	.04676	.00069	.00072	-.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**-.00036**	**.02108**	**.00022**	**.00378**	**.00011**
Stddev	.00028	.00026	.00355	.00037	.00008	.00005
%RSD	94.584	72.559	16.858	166.10	2.0011	44.844
#1	-.00010	-.00017	.01857	.00048	.00383	.00015
#2	-.00050	-.00054	.02360	-.00004	.00373	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8545.3**	**116590.**	**6679.3**
Stddev	33.2	342.	3.4
%RSD	.38864	.29301	.05036
#1	8521.8	116830.	6676.9
#2	8568.8	116350.	6681.6

Sample Name: 280-48903-e-1-a Acquired: 11/12/2013 0:14:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00064	.21767	.00194	.05229	.14002	-.00008	-.00173	95.056	.00039	.00034
Stddev	.00056	.00120	.00159	.00064	.00060	.00002	.00032	.414	.00002	.00004
%RSD	87.526	.55215	81.810	1.2175	.42646	18.646	18.295	.43599	5.8570	12.897
#1	.00104	.21682	.00082	.05274	.14044	-.00009	-.00195	95.349	.00038	.00031
#2	.00024	.21852	.00306	.05184	.13960	-.00007	-.00151	94.763	.00041	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00045	.00216	.20966	4.8681	.00730	10.901	.08580	.00166	35.802	.00251
Stddev	.00001	.00067	.00452	.0208	.00105	.004	.00007	.00000	.457	.00014
%RSD	2.8212	31.032	2.1575	.42791	14.397	.03525	.08112	.02640	1.2778	5.5404
#1	.00046	.00263	.21286	4.8533	.00656	10.903	.08575	.00166	36.125	.00241
#2	.00044	.00168	.20646	4.8828	.00804	10.898	.08585	.00166	35.478	.00261
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18481	.00003	19.677	-.00169	-.00006	6.5011	13.912	-.00026	.43729	-.00135
Stddev	.00033	.00000	.015	.00011	.00487	.0823	.176	.00037	.00109	.00135
%RSD	.18126	15.055	.07691	6.6845	7896.1	1.2658	1.2658	141.57	.24998	99.851
#1	.18457	.00004	19.666	-.00161	-.00351	6.5593	14.037	-.00052	.43807	-.00231
#2	.18504	.00003	19.687	-.00177	.00339	6.4429	13.788	.00000	.43652	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00507	.00009	.03665	.00185	.00465	.00275
Stddev	.00046	.00014	.00709	.00042	.00018	.00115
%RSD	9.0094	158.79	19.357	22.534	3.8958	41.757
#1	.00474	.00019	.04166	.00155	.00452	.00194
#2	.00539	-.00001	.03163	.00214	.00478	.00357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8202.3	110860.	6754.4
Stddev	11.3	113.	9.4
%RSD	.13717	.10197	.13978
#1	8194.4	110940.	6747.7
#2	8210.3	110780.	6761.0

Sample Name: 280-48903-e-2-a Acquired: 11/12/2013 0:17:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00055	.21239	.00264	.05879	.12437	-.00007	-.00194	104.85	.00024	.00034
Stddev	.00036	.00007	.00092	.00007	.00053	.00001	.00026	.11	.00038	.00014
%RSD	65.959	.03369	34.858	.12343	.42235	18.174	13.656	.10315	157.11	40.652
#1	.00080	.21244	.00199	.05874	.12400	-.00006	-.00212	104.92	.00051	.00024
#2	.00029	.21234	.00329	.05884	.12474	-.00008	-.00175	104.77	-.00003	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00047	.00244	.34789	4.7760	.00977	14.616	.32670	.00229	32.520	.00282
Stddev	.00016	.00066	.00176	.0344	.00375	.005	.00061	.00002	.062	.00018
%RSD	33.897	27.229	.50615	.71936	38.331	.03162	.18591	1.0131	.19038	6.4082
#1	.00058	.00197	.34665	4.7517	.01242	14.613	.32627	.00230	32.564	.00269
#2	.00035	.00291	.34914	4.8003	.00712	14.620	.32713	.00227	32.476	.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.18740	-.00048	35.157	-.00174	.00640	6.2479	13.371	.00013	.51823	-.00011
Stddev	.00004	.00051	.028	.00021	.00014	.0200	.043	.00005	.00097	.00036
%RSD	.02348	106.00	.07947	11.768	2.1887	.31971	.31971	36.880	.18741	327.99
#1	.18743	-.00085	35.137	-.00160	.00630	6.2620	13.401	.00017	.51892	.00015
#2	.18737	-.00012	35.176	-.00189	.00650	6.2338	13.340	.00010	.51754	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00431	.00013	.02051	.00165	.00776	.00305
Stddev	.00048	.00007	.01011	.00013	.00030	.00234
%RSD	11.160	56.666	49.287	7.8356	3.8915	76.732
#1	.00465	.00008	.02766	.00174	.00755	.00140
#2	.00397	.00018	.01337	.00156	.00797	.00471
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8173.9	111340.	6732.7
Stddev	31.8	905.	2.8
%RSD	.38885	.81315	.04184
#1	8151.4	111980.	6730.7
#2	8196.4	110700.	6734.7

Sample Name: 280-48903-e-4-a Acquired: 11/12/2013 0:19:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.27262**	**.00132**	**.05145**	**.14051**	**-.00004**	**-.00199**	**95.142**	**.00031**	**.00042**
Stddev	.00006	.00001	.00014	.00009	.00082	.00005	.00178	.081	.00000	.00034
%RSD	12.397	.00451	10.718	.18438	.58547	135.21	89.248	.08468	.73423	82.350
#1	.00049	.27261	.00122	.05139	.13993	.00000	-.00325	95.199	.00031	.00066
#2	.00041	.27263	.00141	.05152	.14109	-.00008	-.00073	95.085	.00030	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.00190**	**.27503**	**4.9005**	**.00652**	**10.839**	**.08967**	**.00155**	**35.342**	**.00233**
Stddev	.00020	.00030	.00132	.0132	.00059	.000	.00007	.00010	.190	.00007
%RSD	39.739	15.984	.47844	.27017	9.0655	.00399	.07707	6.7842	.53739	3.0323
#1	.00037	.00168	.27596	4.9099	.00693	10.839	.08972	.00162	35.476	.00228
#2	.00066	.00211	.27410	4.8912	.00610	10.838	.08962	.00147	35.207	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18310**	**-.00022**	**19.616**	**-.00100**	**-.00116**	**6.6171**	**14.161**	**-.00016**	**.43687**	**-.00169**
Stddev	.00253	.00111	.038	.00131	.00004	.0713	.153	.00029	.00051	.00225
%RSD	1.3843	510.17	.19370	130.41	3.2774	1.0772	1.0772	179.50	.11631	133.13
#1	.18490	-.00100	19.589	-.00193	-.00119	6.6675	14.268	.00004	.43651	-.00010
#2	.18131	.00057	19.643	-.00008	-.00114	6.5667	14.053	-.00037	.43723	-.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00618**	**-.00018**	**.03654**	**.00236**	**.00465**	**.00294**
Stddev	.00018	.00116	.03930	.00036	.00058	.00051
%RSD	2.9403	653.88	107.54	15.334	12.414	17.232
#1	.00605	-.00099	.00875	.00262	.00424	.00258
#2	.00630	.00064	.06433	.00211	.00506	.00330
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8281.2**	**111290.**	**6700.8**
Stddev	6.7	296.	11.3
%RSD	.08088	.26587	.16890
#1	8285.9	111500.	6692.8
#2	8276.4	111080.	6708.8

Sample Name: 280-48830-d-1-b Acquired: 11/12/2013 0:21:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199780 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.03434**	**.12141**	**4.5548**	**.70100**	**-.00002**	**-.00304**	**48.890**	**.00106**	**.01782**
Stddev	.00009	.00025	.00460	.0038	.00116	.00010	.00061	.002	.00018	.00009
%RSD	63.475	.72776	3.7884	.08345	.16609	424.43	20.206	.00321	16.847	.48521
#1	-.00020	.03416	.11816	4.5521	.70018	.00005	-.00260	48.889	.00118	.01776
#2	-.00008	.03452	.12466	4.5575	.70182	-.00010	-.00347	48.891	.00093	.01788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03573**	**.00330**	**7.6678**	W **396.07**	**.23606**	**98.515**	**.05260**	**.00242**	RW **1477.2**	**.10312**
Stddev	.00025	.00028	.0369	.73	.00174	.766	.00008	.00000	2.2	.00046
%RSD	.68956	8.3485	.48062	.18509	.73537	.77725	.14392	.05201	.14901	.44202
#1	.03590	.00349	7.6938	395.55	.23483	99.056	.05266	.00242	1475.7	.10344
#2	.03556	.00310	7.6417	396.59	.23729	97.973	.05255	.00242	1478.8	.10280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.2728**	**-.00039**	**11.717**	**.00043**	**-.00052**	**9.7743**	**20.917**	**.00524**	**.81628**	**-.00536**
Stddev	.0088	.00022	.014	.00172	.00282	.0223	.048	.00008	.00201	.00056
%RSD	.26790	57.486	.11567	395.08	544.88	.22839	.22839	1.4488	.24564	10.504
#1	3.2666	-.00055	11.726	-.00078	-.00252	9.7901	20.951	.00519	.81486	-.00496
#2	3.2790	-.00023	11.707	.00165	.00148	9.7585	20.883	.00530	.81769	-.00575
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04316**	**-.00098**	**.01355**	**.06254**	**.03637**	**.08106**
Stddev	.00075	.00079	.02843	.00020	.00060	.00142
%RSD	1.7428	80.255	209.89	.31526	1.6620	1.7523
#1	.04263	-.00153	-.00656	.06268	.03680	.08206
#2	.04370	-.00042	.03365	.06240	.03594	.08005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7469.9**	**98146.**	**6658.0**
Stddev	28.8	964.	21.4
%RSD	.38572	.98239	.32178
#1	7490.3	97464.	6642.8
#2	7449.5	98827.	6673.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 0:24:49 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00768**	**51.821**	**.00251**	**.00558**	**-.00009**	**-.00011**	F **1.1081**	**.01995**	**-.00021**	**-.00035**	**.00009**	**.01247**
Stddev	.00015	.045	.00359	.00071	.00016	.00002	.0010	.00266	.00012	.00006	.00003	.00033
%RSD	1.9850	.08663	142.65	12.797	176.53	19.847	.08836	13.315	55.859	15.979	35.256	2.6765
#1	.00778	51.789	.00505	.00608	-.00021	-.00013	1.1074	.02183	-.00030	-.00031	.00007	.01271
#2	.00757	51.853	-.00002	.00507	.00002	-.00010	1.1087	.01807	-.00013	-.00039	.00011	.01223
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.422**	**.36988**	**-.00183**	**.08783**	**.00084**	**-.00010**	**269.70**	**-.00017**	**.01013**	**.00048**	W **5.2727**	**.00085**
Stddev	.034	.02048	.00083	.00048	.00003	.00009	.23	.00025	.00251	.00105	.0271	.00040
%RSD	.06780	5.5363	45.307	.54088	3.7183	91.033	.08501	149.74	24.797	218.09	.51475	47.149
#1	50.398	.38436	-.00242	.08817	.00082	-.00003	269.54	-.00035	.01191	.00122	5.2535	.00057
#2	50.446	.35540	-.00125	.08750	.00086	-.00016	269.86	.00001	.00836	-.00026	5.2919	.00113
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00352**	**.10038**	**.21480**	**.00035**	**.00034**	**5.0315**	**-.01362**	**.00107**	F **6.4185**	**.00178**	**.00136**	**.06506**
Stddev	.00090	.03806	.08146	.00002	.00022	.0114	.00003	.00031	.0104	.00026	.00041	.00230
%RSD	25.545	37.921	37.921	5.8836	64.193	.22573	.23947	28.543	.16250	14.761	29.935	3.5368
#1	-.00288	.12729	.27240	.00034	.00019	5.0235	-.01365	.00129	6.4259	.00159	.00107	.06343
#2	-.00416	.07346	.15721	.00037	.00050	5.0396	-.01360	.00085	6.4111	.00196	.00165	.06668
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8117.6**	**108500.**	**6589.9**
Stddev	1.3	174.	32.0
%RSD	.01613	.16004	.48566
#1	8118.5	108620.	6612.5
#2	8116.7	108370.	6567.3

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:27:12 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52635**	F **.56641**	**1.0429**	**.53105**	**.52179**	**.50825**	**-.00304**	**5.2630**	**.52746**	**.52316**	**.52849**	**.53101**	**2.5721**
Stddev	.00052	.00161	.0022	.00130	.00125	.00146	.00016	.0006	.00083	.00003	.00047	.00069	.0070
%RSD	.09847	.28382	.21458	.24494	.23872	.28743	5.3310	.01241	.15673	.00587	.08962	.13052	.27320
#1	.52598	.56754	1.0445	.53013	.52267	.50929	-.00315	5.2635	.52688	.52318	.52883	.53052	2.5771
#2	.52672	.56527	1.0414	.53197	.52091	.50722	-.00292	5.2626	.52805	.52313	.52816	.53150	2.5671
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.835**	**1.0361**	**20.872**	**.51347**	**.53368**	F **5.6334**	**.53224**	**1.0682**	**1.0736**	**.02374**	**1.0532**	**1.0619**	**5.2350**
Stddev	.050	.0003	.010	.00037	.00342	.0000	.00020	.0076	.0084	.00044	.0003	.0006	.0156
%RSD	.09260	.02448	.04573	.07287	.64164	.00004	.03824	.70809	.77915	1.8671	.02671	.06109	.29885
#1	53.871	1.0362	20.879	.51373	.53610	5.6334	.53238	1.0735	1.0795	.02405	1.0530	1.0615	5.2239
#2	53.800	1.0359	20.865	.51321	.53125	5.6334	.53209	1.0628	1.0676	.02342	1.0534	1.0624	5.2460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.203**	**1.0742**	**.51968**	**-.00668**	**.50880**	**1.0735**	**.01235**	**.51905**	**.52717**	**.51736**
Stddev	.033	.0016	.00033	.00020	.00014	.0008	.00418	.00092	.00458	.00172
%RSD	.29885	.15056	.06259	3.0557	.02843	.07720	33.844	.17637	.86786	.33283
#1	11.179	1.0730	.51991	-.00654	.50869	1.0741	.00939	.51970	.53041	.51857
#2	11.227	1.0753	.51945	-.00683	.50890	1.0730	.01530	.51841	.52394	.51614
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8256.3**	**111080.**	**6500.9**
Stddev	3.0	312.	75.2
%RSD	.03605	.28046	1.1574
#1	8258.4	110860.	6554.2
#2	8254.2	111300.	6447.7

Sample Name: CCB Acquired: 11/12/2013 0:29:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00295**	**.00006**	**.00193**	**.00022**	**.00009**	**.00078**	**.01426**	**.00000**	**.00017**	**-.00006**
Stddev	.00035	.00114	.00017	.00014	.00019	.00001	.00009	.00201	.0001	.00005	.00009
%RSD	55.750	38.500	303.20	7.4293	83.302	6.2348	11.451	14.088	1201.4	29.023	148.94
#1	.00088	-.00376	-.00006	.00183	.00036	.00009	.00084	.01568	-.00004	.00013	-.00013
#2	.00038	-.00215	.00018	.00204	.00009	.00008	.00071	.01284	.00003	.00020	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00242**	**.12066**	W **-.00262**	**.00640**	**.00012**	**.00041**	W **.13603**	**.00011**	**.00000**	**-.00094**
Stddev	.00023	.00073	.00900	.00226	.00156	.00004	.00002	.01248	.00033	.0003	.00012
%RSD	114.15	30.337	7.4610	86.322	24.444	31.085	5.9290	9.1759	306.05	12436.	12.716
#1	.00037	.00294	.12703	-.00422	.00750	.00014	.00040	.12720	.00035	.00024	-.00086
#2	.00004	.00190	.11429	-.00102	.00529	.00009	.00043	.14486	-.00013	-.00024	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02141**	W **.00569**	**-.00042**	W **.04921**	**.10530**	**.00059**	**.00017**	**.00167**	**-.00049**	**.00032**	**-.02364**
Stddev	.00079	.00362	.00198	.00729	.01561	.00058	.00007	.00048	.00007	.00082	.02331
%RSD	3.7032	63.546	468.50	14.820	14.820	99.266	42.070	28.572	13.434	257.76	98.622
#1	.02085	.00313	.00098	.05436	.11634	.00100	.00022	.00201	-.00054	-.00026	-.00715
#2	.02197	.00825	-.00183	.04405	.09427	.00017	.00012	.00133	-.00044	.00090	-.04012
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470							
Low Limit		-.00314		-.06940							

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00022**	**.00345**	W **.00345**
Stddev	.00000	.00004	.00022
%RSD	1.5662	1.2548	6.4532
#1	.00022	.00348	.00361
#2	.00022	.00342	.00330
Check ?	Chk Pass	Chk Pass	Chk Warn
High Limit			.00238
Low Limit			-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8222.5**	**111020.**	**6483.7**
Stddev	2.2	166.	87.0
%RSD	.02629	.14997	1.3421
#1	8224.0	110900.	6545.2
#2	8221.0	111140.	6422.1

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:31:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01116**	**.11064**	**.01443**	**.10309**	**.01043**	**.00102**	**.12477**	**.21912**	**.00529**	**.01078**	**.01062**	**.01652**	**.10466**
Stddev	.00015	.00025	.00125	.00026	.00020	.00012	.00084	.00210	.00003	.00007	.00003	.00045	.00029
%RSD	1.3223	.22627	8.6821	.25047	1.8978	11.403	.67628	.95719	.52272	.63918	.24978	2.7208	.28142
#1	.01126	.11081	.01531	.10291	.01057	.00094	.12537	.21763	.00531	.01083	.01060	.01684	.10487
#2	.01105	.11046	.01354	.10328	.01029	.00111	.12417	.22060	.00527	.01073	.01064	.01620	.10445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2820**	**.00822**	**.21241**	**.01037**	**.02065**	**1.1272**	**.04372**	**3.0318**	**.00947**	**.02100**	**.00991**	**.01540**	**.52685**
Stddev	.0066	.00115	.00308	.00002	.00002	.0045	.00015	.0004	.00057	.00083	.00094	.00182	.00705
%RSD	.20139	13.979	1.4490	.23454	.08932	.39665	.33592	.01265	6.0443	3.9701	9.4459	11.815	1.3384
#1	3.2867	.00741	.21459	.01035	.02063	1.1241	.04361	3.0315	.00987	.02041	.01057	.01411	.52186
#2	3.2774	.00903	.21023	.01038	.02066	1.1304	.04382	3.0320	.00906	.02159	.00924	.01669	.53184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1275**	**.10796**	**.01033**	**.01428**	**.00984**	**.01627**	F **.08625**	**.01033**	**.02463**	**.01676**
Stddev	.0151	.00016	.00003	.00048	.00001	.00057	.00443	.00043	.00003	.00175
%RSD	1.3384	.14602	.33429	3.3312	.14403	3.5243	5.1323	4.1968	.13401	10.426
#1	1.1168	.10785	.01031	.01394	.00983	.01586	.08938	.01064	.02465	.01799
#2	1.1381	.10807	.01035	.01461	.00985	.01667	.08312	.01003	.02460	.01552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8412.7**	**113720.**	**6547.1**
Stddev	.3	356.	24.4
%RSD	.00398	.31268	.37208
#1	8413.0	113460.	6564.3
#2	8412.5	113970.	6529.9

Sample Name: mb 280-199865/1-a Acquired: 11/12/2013 0:33:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**-.00073**	**.00076**	**.00105**	**-.00037**	**.00000**	**-.00096**	**.01689**	**.00006**	**.00030**
Stddev	.00008	.00005	.00069	.00020	.00003	.0000	.00042	.00290	.00011	.00001
%RSD	12.564	6.7822	91.487	19.306	7.1826	1112.7	44.066	17.174	172.28	3.1568
#1	.00057	-.00076	.00125	.00091	-.00036	-.00004	-.00126	.01894	-.00001	.00030
#2	.00068	-.00069	.00027	.00119	-.00039	.00003	-.00066	.01484	.00014	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	W **.00190**	**.00381**	**.01928**	**-.00080**	**.00215**	W **.00023**	**.00005**	**.03687**	**.00050**
Stddev	.0001	.00047	.00243	.00536	.00088	.00142	.00005	.00045	.00839	.00002
%RSD	1851.1	24.836	63.724	27.800	109.93	66.196	21.629	926.25	22.766	3.8362
#1	.00005	.00223	.00209	.01549	-.00018	.00316	.00020	.00036	.04281	.00048
#2	-.00005	.00156	.00553	.02307	-.00142	.00114	.00027	-.00027	.03094	.00051
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit		.00159					.00023			
Low Limit		-.00500					-.00500			

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00251**	**-.00002**	F **.02310**	**-.00263**	**.00063**	F **.02454**	**.05251**	**.00077**	**-.00001**	W **.00002**
Stddev	.00055	.00084	.00163	.00060	.00488	.01345	.02877	.00001	.00002	.00135
%RSD	21.774	3557.7	7.0537	22.964	778.43	54.793	54.793	.96281	187.99	6866.5
#1	-.00290	-.00062	.02425	-.00306	-.00283	.01503	.03217	.00078	-.00002	-.00093
#2	-.00213	.00057	.02195	-.00220	.00408	.03405	.07286	.00077	.00000	.00097
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**-.00089**	**.00531**	**.00020**	**.00316**	**.00272**
Stddev	.00027	.00024	.00060	.00042	.00051	.00083
%RSD	29.800	26.618	11.269	210.80	16.002	30.712
#1	-.00072	-.00105	.00574	.00050	.00280	.00213
#2	-.00111	-.00072	.00489	-.00010	.00352	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8438.8**	**113760.**	**6554.5**
Stddev	66.2	363.	24.0
%RSD	.78499	.31912	.36588
#1	8392.0	113500.	6537.5
#2	8485.7	114010.	6571.4

Sample Name: lcs 280-199865/2-a Acquired: 11/12/2013 0:36:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05225**	**2.0572**	**1.0196**	**1.0389**	**2.0463**	**.04949**	**2.3397**	**49.262**	**.10887**	**.50354**
Stddev	.00059	.0054	.0060	.0027	.0216	.00012	.0037	.432	.00061	.00000
%RSD	1.1285	.26162	.58463	.26336	1.0549	.24481	.15589	.87655	.56137	.00070
#1	.05267	2.0610	1.0238	1.0408	2.0311	.04940	2.3423	48.956	.10930	.50354
#2	.05183	2.0534	1.0154	1.0370	2.0616	.04957	2.3372	49.567	.10844	.50353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20939**	**.26639**	**.98095**	**52.584**	**1.0170**	**51.058**	**.50240**	**1.0595**	**54.816**	**.51039**
Stddev	.00031	.00042	.00617	.651	.0123	.209	.00226	.0046	.337	.00171
%RSD	.14856	.15901	.62876	1.2384	1.2099	.40889	.44978	.43810	.61487	.33540
#1	.20961	.26609	.97659	52.123	1.0083	50.911	.50080	1.0628	54.577	.51160
#2	.20917	.26669	.98531	53.044	1.0257	51.206	.50399	1.0563	55.054	.50918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.515**	**.50512**	**.01040**	**.50550**	**2.0458**	**9.9810**	**21.359**	**2.0958**	**1.0170**	**1.0213**
Stddev	.039	.00086	.00242	.00142	.0047	.0388	.083	.0054	.0108	.0069
%RSD	.36702	.16939	23.270	.28042	.22959	.38900	.38900	.25678	1.0614	.67478
#1	10.543	.50572	.00869	.50651	2.0492	9.9536	21.301	2.0997	1.0094	1.0164
#2	10.488	.50451	.01212	.50450	2.0425	10.008	21.418	2.0920	1.0247	1.0261
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0180**	**2.0021**	**2.2151**	**.51717**	**.50810**	**.52293**
Stddev	.0056	.0015	.0209	.00040	.00199	.00148
%RSD	.55196	.07639	.94552	.07719	.39125	.28322
#1	1.0140	2.0032	2.2003	.51689	.50669	.52188
#2	1.0219	2.0010	2.2300	.51745	.50951	.52398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8086.4**	**108650.**	**6599.7**
Stddev	17.9	476.	43.4
%RSD	.22149	.43771	.65718
#1	8073.7	108990.	6630.3
#2	8099.1	108320.	6569.0

Sample Name: 280-48905-a-2-a Acquired: 11/12/2013 0:38:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.53975**	**.00200**	**.22545**	**.09269**	**.00007**	**.00337**	**70.981**	**.00044**	**.00092**
Stddev	.00025	.00561	.00151	.00392	.00032	.00005	.00066	.158	.00014	.00001
%RSD	38.581	1.0399	75.454	1.7372	.34550	68.759	19.494	.22229	32.394	.83201
#1	.00084	.54372	.00306	.22822	.09291	.00011	.00291	71.092	.00054	.00091
#2	.00048	.53578	.00093	.22268	.09246	.00004	.00383	70.869	.00034	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00193**	**.15755**	**6.6118**	**16.507**	**.03000**	**16.210**	**.08414**	**.00705**	**119.93**	**.00390**
Stddev	.00018	.00042	.0171	.063	.00114	.007	.00009	.00007	.24	.00040
%RSD	9.4982	.26955	.25898	.38016	3.8033	.04055	.11055	1.0241	.19798	10.318
#1	.00206	.15725	6.6239	16.551	.02920	16.206	.08420	.00710	120.10	.00418
#2	.00180	.15785	6.5997	16.462	.03081	16.215	.08407	.00700	119.76	.00361
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.8213**	**.00082**	**48.179**	**-.00345**	**.00050**	**2.3899**	**5.1144**	**.00306**	**.71645**	**-.00071**
Stddev	.0857	.00009	.800	.00123	.00408	.0130	.0279	.00010	.00139	.00295
%RSD	1.4719	10.967	1.6613	35.598	818.44	.54522	.54522	3.3494	.19441	415.61
#1	5.8819	.00076	48.745	-.00432	-.00239	2.3807	5.0947	.00313	.71744	-.00279
#2	5.7607	.00088	47.613	-.00258	.00338	2.3991	5.1341	.00299	.71547	.00137
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02752**	**-.00007**	**.02682**	**.00387**	**.11215**	**.00729**
Stddev	.00143	.00069	.02497	.00015	.00000	.00214
%RSD	5.1905	982.82	93.092	3.7596	.00273	29.366
#1	.02651	.00042	.04448	.00398	.11216	.00880
#2	.02853	-.00056	.00917	.00377	.11215	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8115.0**	**110330.**	**6799.0**
Stddev	81.1	297.	14.1
%RSD	.99915	.26941	.20706
#1	8057.7	110120.	6808.9
#2	8172.4	110540.	6789.0

Sample Name: 280-48905-a-2-aSD@5 Acquired: 11/12/2013 0:40:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.11680**	**.00397**	**.04463**	**.01820**	**-.00002**	**.00121**	**14.197**	**.00021**	**.00036**
Stddev	.00067	.00054	.00015	.00028	.00005	.00007	.00119	.118	.00005	.00004
%RSD	193.27	.46123	3.7779	.62429	.29518	319.43	98.407	.82904	23.186	11.949
#1	-.00013	.11642	.00386	.04443	.01816	-.00007	.00206	14.280	.00017	.00033
#2	.00082	.11718	.00408	.04482	.01824	.00003	.00037	14.113	.00024	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.03189**	**1.3270**	**3.3032**	**.00358**	**3.2823**	**.01703**	**.00129**	**23.914**	**.00147**
Stddev	.00013	.00046	.0154	.0572	.00014	.0001	.00011	.00018	.260	.00068
%RSD	33.997	1.4485	1.1581	1.7309	3.9959	.00387	.62539	13.711	1.0892	46.254
#1	.00030	.03222	1.3378	3.3436	.00348	3.2824	.01711	.00116	24.098	.00195
#2	.00049	.03157	1.3161	3.2628	.00368	3.2823	.01696	.00141	23.730	.00099
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1051**	**.00008**	**9.1854**	**-.00323**	**.00044**	**.47674**	**1.0202**	**.00272**	**.14272**	**-.00221**
Stddev	.0027	.00109	.0295	.00116	.00225	.01661	.0355	.00002	.00088	.00062
%RSD	.24299	1441.8	.32154	35.914	505.58	3.4834	3.4834	.72010	.61897	28.220
#1	1.1032	-.00069	9.1645	-.00241	.00203	.48848	1.0453	.00273	.14334	-.00265
#2	1.1070	.00085	9.2062	-.00405	-.00114	.46499	.99509	.00271	.14209	-.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00424**	**.00034**	**.04639**	**.00092**	**.02702**	**.00349**
Stddev	.00086	.00117	.01913	.00027	.00006	.00044
%RSD	20.358	342.49	41.230	29.631	.20799	12.537
#1	.00363	-.00049	.03286	.00111	.02698	.00380
#2	.00485	.00117	.05991	.00072	.02706	.00318
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8432.3**	**114020.**	**6733.4**
Stddev	5.4	420.	30.6
%RSD	.06353	.36818	.45384
#1	8436.1	113730.	6711.8
#2	8428.5	114320.	6755.0

Sample Name: 280-48905-a-2-b ms Acquired: 11/12/2013 0:42:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04677**	**2.4382**	W **2.6850**	**.93057**	**1.1332**	**1.9211**	**.04395**	F **2.0924**	**113.63**	**.09795**
Stddev	.00039	.0136	.0134	.00549	.0102	.0026	.00005	.0203	.08	.00086
%RSD	.82927	.55884	.49859	.58996	.89739	.13693	.11481	.97224	.06755	.87939
#1	.04649	2.4285	2.6944	.92669	1.1260	1.9192	.04399	2.0780	113.69	.09734
#2	.04704	2.4478	2.6755	.93446	1.1404	1.9229	.04391	2.1068	113.58	.09856
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44200**	**.18547**	**.38964**	**7.2988**	**63.687**	**.93964**	**60.605**	**.52235**	**.93950**	**166.53**
Stddev	.00280	.00127	.00055	.0077	.017	.00082	.128	.00029	.00554	.50
%RSD	.63339	.68474	.14076	.10603	.02675	.08760	.21178	.05523	.58929	.29740
#1	.44002	.18457	.38925	7.3043	63.675	.94022	60.696	.52215	.93558	166.18
#2	.44398	.18637	.39003	7.2934	63.699	.93906	60.515	.52256	.94341	166.88
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45299**	W **14.786**	**.43906**	**47.315**	**.44819**	**1.8455**	**11.562**	**24.742**	**1.7321**	**1.6180**
Stddev	.00398	.114	.00244	.362	.00574	.0091	.131	.280	.0114	.0014
%RSD	.87831	.76878	.55502	.76600	1.2806	.49048	1.1300	1.1300	.66066	.08840
#1	.45017	14.705	.43733	47.059	.44413	1.8391	11.654	24.940	1.7240	1.6190
#2	.45580	14.866	.44078	47.572	.45225	1.8519	11.469	24.544	1.7402	1.6170
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58192**	**.88824**	**1.6833**	**1.9735**	**.46106**	**.55479**	**.25285**
Stddev	.00041	.00214	.0116	.0240	.00175	.00191	.00272
%RSD	.07030	.24117	.68835	1.2172	.37985	.34471	1.0754
#1	.58163	.88975	1.6751	1.9565	.46229	.55615	.25477
#2	.58221	.88672	1.6915	1.9905	.45982	.55344	.25093
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8060.4**	**107970.**	**6753.5**
Stddev	27.8	449.	10.3
%RSD	.34435	.41560	.15276
#1	8080.0	107660.	6746.2
#2	8040.8	108290.	6760.8

Sample Name: 280-48905-a-2-c msd Acquired: 11/12/2013 0:45:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04652**	**2.3318**	W **2.5671**	**.90190**	**1.1032**	**1.8445**	**.04239**	F **2.0229**	**110.55**	**.09468**
Stddev	.00004	.0039	.0135	.00139	.0095	.0071	.00011	.0183	.54	.00028
%RSD	.08982	.16837	.52518	.15465	.86393	.38727	.25987	.90251	.48508	.29936
#1	.04649	2.3346	2.5766	.90091	1.0964	1.8394	.04232	2.0100	110.17	.09448
#2	.04655	2.3290	2.5576	.90288	1.1099	1.8495	.04247	2.0358	110.93	.09488
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.42565**	**.17909**	**.37942**	**7.1165**	**61.564**	**.90534**	**58.506**	**.50364**	**.90328**	**162.62**
Stddev	.00075	.00119	.00027	.0303	.185	.00856	.178	.00123	.00108	.62
%RSD	.17577	.66707	.07131	.42528	.29968	.94551	.30484	.24500	.11904	.38092
#1	.42512	.17825	.37961	7.0951	61.434	.89929	58.632	.50451	.90404	162.18
#2	.42618	.17994	.37923	7.1379	61.695	.91139	58.380	.50276	.90252	163.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43661**	W **14.296**	**.42357**	**46.571**	**.43426**	**1.7897**	**11.139**	**23.838**	**1.6663**	**1.5698**
Stddev	.00182	.010	.00317	.090	.00314	.0163	.081	.174	.0094	.0054
%RSD	.41697	.06896	.74767	.19421	.72348	.91123	.73028	.73028	.56471	.34135
#1	.43533	14.303	.42133	46.507	.43204	1.7782	11.081	23.714	1.6597	1.5660
#2	.43790	14.289	.42581	46.635	.43649	1.8012	11.197	23.961	1.6730	1.5736
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54607**	**.85542**	**1.6326**	**1.8827**	**.44305**	**.53421**	**.23328**
Stddev	.00026	.00128	.0077	.0488	.00018	.00205	.00007
%RSD	.04844	.14993	.47468	2.5909	.04060	.38445	.03049
#1	.54625	.85633	1.6271	1.9172	.44292	.53567	.23323
#2	.54588	.85452	1.6380	1.8482	.44317	.53276	.23333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8078.7**	**108430.**	**6788.6**
Stddev	11.8	211.	29.7
%RSD	.14610	.19418	.43809
#1	8070.3	108280.	6809.6
#2	8087.0	108580.	6767.6

Sample Name: 280-48905-a-4-a Acquired: 11/12/2013 0:47:11 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.02315**	**.00177**	**.20249**	**.03951**	**-.00011**	**-.00230**	**67.551**	**.00037**	**.00056**
Stddev	.00002	.00011	.00289	.00081	.00009	.00001	.00096	.031	.00005	.00003
%RSD	2.9222	.47634	163.88	.40134	.23203	8.4444	41.818	.04589	13.303	5.9865
#1	.00068	.02322	.00381	.20307	.03958	-.00011	-.00162	67.529	.00033	.00054
#2	.00065	.02307	-.00028	.20192	.03945	-.00010	-.00298	67.573	.00040	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.01468**	**.28592**	**15.007**	**.02514**	**15.320**	**.01830**	**.00544**	**113.60**	**.00206**
Stddev	.00000	.00001	.00014	.065	.00095	.052	.00010	.00004	.09	.00004
%RSD	1.4147	.05384	.04882	.43259	3.7931	.33983	.56427	.81947	.08139	2.0959
#1	.00028	.01468	.28582	14.961	.02446	15.357	.01837	.00541	113.54	.00209
#2	.00029	.01469	.28602	15.053	.02581	15.283	.01823	.00547	113.67	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35021**	**-.00062**	**46.275**	**-.00296**	**.00217**	**1.9065**	**4.0800**	**.00044**	**.66649**	**-.00232**
Stddev	.00317	.00014	.086	.00090	.00054	.0195	.0417	.00006	.00222	.00089
%RSD	.90476	22.095	.18638	30.454	24.661	1.0219	1.0219	14.424	.33370	38.518
#1	.34797	-.00072	46.336	-.00360	.00179	1.8928	4.0505	.00048	.66492	-.00169
#2	.35245	-.00053	46.214	-.00232	.00255	1.9203	4.1095	.00040	.66806	-.00295
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00042**	**.01116**	**.00067**	**.04652**	**.00375**
Stddev	.00009	.00075	.00164	.00033	.00008	.00123
%RSD	12.810	177.55	14.689	49.660	.17610	32.729
#1	.00066	-.00011	.01232	.00043	.04646	.00461
#2	.00079	.00095	.01000	.00090	.04658	.00288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8221.0**	**111440.**	**6802.8**
Stddev	2.7	36.	23.6
%RSD	.03324	.03248	.34734
#1	8222.9	111410.	6819.5
#2	8219.0	111460.	6786.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 0:49:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00769**	**51.211**	**-.00022**	**.00264**	**-.00025**	**-.00011**	W **1.0989**	**.04228**	**-.00034**	**-.00028**	**.00011**	**.01292**
Stddev	.00035	.205	.00127	.00019	.00039	.00009	.0008	.00694	.00015	.00006	.00000	.00016
%RSD	4.5497	.40050	564.28	7.0346	153.21	80.316	.07122	16.407	44.354	21.455	2.4063	1.2004
#1	.00794	51.356	-.00112	.00277	.00002	-.00005	1.0984	.04718	-.00045	-.00032	.00011	.01281
#2	.00744	51.066	.00067	.00251	-.00053	-.00017	1.0995	.03737	-.00024	-.00024	.00011	.01303
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.150**	**.09218**	**-.00226**	**.08654**	**.00080**	**-.00023**	**267.43**	**.00002**	**-.00044**	**-.00042**	**5.2263**	**.00078**
Stddev	.192	.00204	.00118	.00074	.00003	.00018	.83	.00008	.00042	.00145	.0006	.00035
%RSD	.38336	2.2131	52.015	.85131	3.8680	78.613	.30967	405.65	95.427	344.67	.01242	44.865
#1	50.014	.09362	-.00309	.08706	.00082	-.00036	268.01	.00008	-.00014	.00060	5.2268	.00103
#2	50.286	.09073	-.00143	.08602	.00078	-.00010	266.84	-.00004	-.00073	-.00144	5.2259	.00053
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00270**	**.02487**	**.05321**	**.00013**	**.00041**	**4.9762**	**-.01291**	**.00047**	F **6.3588**	**.00174**	**.00136**	**.06482**
Stddev	.00011	.02211	.04731	.00024	.00029	.0188	.00045	.00141	.0363	.00019	.00008	.00029
%RSD	4.0518	88.908	88.908	179.49	69.838	.37823	3.4819	297.63	.57094	10.749	6.1078	.45233
#1	-.00262	.04050	.08667	.00030	.00061	4.9895	-.01323	.00147	6.3844	.00161	.00142	.06502
#2	-.00278	.00923	.01976	-.00004	.00021	4.9629	-.01259	-.00052	6.3331	.00187	.00130	.06461
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8271.4**	**110700.**	**6716.8**
Stddev	7.0	248.	25.7
%RSD	.08487	.22438	.38311
#1	8276.4	110520.	6698.6
#2	8266.5	110870.	6735.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 0:51:55 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51413**	W **.55075**	**1.0199**	**.51599**	**.51008**	**.49648**	**-.00311**	**5.1066**	**.51390**	**.50979**	**.51691**	**.51545**
Stddev	.00100	.00110	.0067	.00056	.00371	.00449	.00094	.0026	.00239	.00075	.00011	.00196
%RSD	.19420	.20062	.65802	.10824	.72663	.90508	30.332	.05120	.46471	.14804	.02082	.38053
#1	.51342	.54997	1.0247	.51638	.51270	.49966	-.00244	5.1085	.51559	.51032	.51698	.51406
#2	.51483	.55153	1.0152	.51559	.50746	.49330	-.00378	5.1048	.51221	.50926	.51683	.51684
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.4818**	**52.536**	**1.0166**	**20.459**	**.50076**	**.52199**	**5.3354**	**.52259**	**1.0327**	**1.0476**	**.02111**	**1.0210**
Stddev	.0019	.291	.0097	.004	.00063	.00262	.0701	.00338	.0087	.0067	.00205	.0112
%RSD	.07609	.55317	.95370	.02051	.12489	.50115	1.3144	.64652	.84084	.63973	9.7292	1.0940
#1	2.4832	52.741	1.0235	20.462	.50032	.52384	5.3850	.52498	1.0388	1.0523	.01965	1.0289
#2	2.4805	52.330	1.0097	20.456	.50121	.52014	5.2858	.52020	1.0265	1.0429	.02256	1.0131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0309**	**4.9454**	**10.583**	**1.0485**	**.50945**	**-.00486**	**.49495**	**1.0456**	**.00111**	**.50548**	**.51530**	**.49971**
Stddev	.0038	.0204	.044	.0026	.00357	.00210	.00066	.0034	.04190	.00122	.00145	.00145
%RSD	.37265	.41205	.41205	.25115	.70104	43.346	.13247	.32195	3766.6	.24050	.28080	.28919
#1	1.0336	4.9310	10.552	1.0466	.51198	-.00634	.49449	1.0480	.03074	.50462	.51428	.50073
#2	1.0281	4.9598	10.614	1.0504	.50693	-.00337	.49541	1.0432	-.02852	.50634	.51632	.49869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8282.3**	**111680.**	**6548.2**
Stddev	85.5	244.	37.6
%RSD	1.0319	.21832	.57458
#1	8342.7	111510.	6574.8
#2	8221.9	111850.	6521.6

Sample Name: CCB Acquired: 11/12/2013 0:54:03 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00397**	**.00275**	**.00107**	**-.00011**	**-.00001**	**-.00030**	**.00910**	**-.00004**	**.00035**	**-.00004**
Stddev	.00059	.00037	.00041	.00006	.00009	.00001	.00015	.00250	.00005	.00006	.00014
%RSD	179.01	9.1882	14.713	5.3304	85.085	53.512	50.779	27.534	112.83	18.137	355.49
#1	.00075	-.00372	.00247	.00103	-.00017	-.00001	-.00041	.01087	-.00001	.00040	-.00014
#2	-.00009	-.00423	.00304	.00111	-.00004	-.00001	-.00019	.00732	-.00007	.00031	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00174**	**.09828**	W **-.00306**	**.00168**	**.00004**	**.00014**	**.00798**	**.00025**	**-.00407**	**-.00051**
Stddev	.00019	.00301	.04400	.00104	.00090	.00001	.00005	.00479	.00015	.00110	.00086
%RSD	94.157	172.95	44.773	33.823	53.364	21.078	37.713	60.024	60.149	27.050	168.20
#1	.00007	-.00039	.06716	-.00233	.00232	.00005	.00018	.01136	.00036	-.00485	-.00112
#2	.00033	.00387	.12939	-.00379	.00105	.00003	.00010	.00459	.00015	-.00329	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01830**	F **.00912**	**-.00324**	**.02653**	**.05678**	**.00001**	**.00017**	**.00053**	**-.00042**	**.00048**	**.03013**
Stddev	.00169	.00068	.00091	.01191	.02548	.00014	.00001	.00106	.00003	.00022	.01208
%RSD	9.2199	7.4076	27.990	44.879	44.879	1389.1	5.9339	199.21	6.1483	44.981	40.107
#1	.01949	.00864	-.00388	.01811	.03876	-.00009	.00017	-.00022	-.00040	.00064	.02158
#2	.01710	.00960	-.00260	.03495	.07480	.00011	.00018	.00128	-.00043	.00033	.03867
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00004**	**.00250**	**.00098**
Stddev	.00033	.00003	.00013
%RSD	912.78	1.1490	13.070
#1	.00019	.00248	.00107
#2	-.00027	.00252	.00089
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8367.7**	**112950.**	**6384.0**
Stddev	24.2	316.	10.7
%RSD	.28951	.27947	.16708
#1	8384.8	113180.	6376.4
#2	8350.5	112730.	6391.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 0:56:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01080**	**.11238**	**.01818**	**.10284**	**.01022**	**.00099**	**.12673**	**.22007**	**.00522**	**.01089**	**.01063**	**.01621**	**.10600**
Stddev	.00078	.00021	.00037	.00005	.00012	.00010	.00101	.00040	.00019	.00009	.00001	.00026	.00055
%RSD	7.2404	.18922	2.0118	.04877	1.2124	10.530	.79743	.18272	3.5562	.78240	.13271	1.5928	.52177
#1	.01135	.11223	.01844	.10281	.01031	.00106	.12744	.21978	.00509	.01095	.01064	.01603	.10560
#2	.01025	.11253	.01792	.10288	.01013	.00092	.12601	.22035	.00535	.01083	.01062	.01640	.10639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2207**	**.00764**	**.21137**	**.01040**	**.02098**	**1.0696**	**.04337**	**3.0467**	**.00878**	**.02216**	F **.01303**	**.01422**	**.49025**
Stddev	.0343	.00303	.00104	.00003	.00014	.0015	.00010	.0018	.00001	.00407	.00380	.00288	.00996
%RSD	1.0649	39.648	.49112	.26334	.69039	.13649	.22301	.05958	.05827	18.366	29.165	20.226	2.0326
#1	3.2449	.00979	.21210	.01042	.02108	1.0706	.04344	3.0454	.00878	.02504	.01034	.01626	.49730
#2	3.1964	.00550	.21063	.01038	.02088	1.0686	.04330	3.0480	.00877	.01928	.01572	.01219	.48321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0491**	**.10838**	**.01026**	**.01329**	**.00944**	**.01724**	F **.08607**	**.01062**	**.02570**	**.01608**
Stddev	.0213	.00017	.00003	.00085	.00002	.00030	.03495	.00006	.00050	.00132
%RSD	2.0326	.16061	.24418	6.4037	.18898	1.7491	40.611	.61002	1.9360	8.2079
#1	1.0642	.10850	.01025	.01389	.00946	.01703	.06136	.01057	.02605	.01701
#2	1.0341	.10825	.01028	.01269	.00943	.01746	.11079	.01066	.02535	.01514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.6**	**112490.**	**6419.2**
Stddev	21.4	523.	57.3
%RSD	.25855	.46452	.89250
#1	8276.4	112120.	6459.7
#2	8306.8	112860.	6378.6

Sample Name: 280-48917-c-1-a Acquired: 11/12/2013 0:58:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**13.373**	**.00129**	**.81407**	**.02853**	**.00003**	**-.00092**	**103.06**	**.00019**	**.00049**
Stddev	.00021	.016	.00076	.00286	.00001	.00009	.00309	.15	.00002	.00016
%RSD	94.320	.11878	58.900	.35166	.02414	275.43	336.81	.14456	9.5578	32.076
#1	.00007	13.361	.00183	.81204	.02854	-.00003	.00127	102.96	.00018	.00038
#2	.00036	13.384	.00076	.81609	.02853	.00009	-.00310	103.17	.00021	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01592**	**.01477**	**.24312**	**2.4984**	**.01557**	**5.8357**	**.07853**	**.01128**	**23.553**	**.01210**
Stddev	.00018	.00038	.00247	.0122	.00300	.0144	.00036	.00007	.185	.00023
%RSD	1.1537	2.5517	1.0143	.48989	19.248	.24672	.46214	.65978	.78415	1.9269
#1	.01579	.01451	.24487	2.4897	.01769	5.8256	.07827	.01134	23.683	.01226
#2	.01605	.01504	.24138	2.5070	.01345	5.8459	.07879	.01123	23.422	.01193
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06257**	**.00082**	**77.702**	**-.00239**	**.00122**	**.86061**	**1.8417**	**.00049**	**.23584**	**-.00134**
Stddev	.00107	.00065	.151	.00081	.00011	.01670	.0357	.00042	.00024	.00119
%RSD	1.7095	79.001	.19381	33.972	9.1101	1.9410	1.9410	85.830	.09983	88.999
#1	.06181	.00036	77.596	-.00296	.00115	.87242	1.8670	.00019	.23567	-.00050
#2	.06333	.00128	77.809	-.00181	.00130	.84880	1.8164	.00079	.23601	-.00219
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00052**	**.03582**	**.00115**	**.01871**	**.00376**
Stddev	.00029	.00061	.03735	.00040	.00023	.00091
%RSD	135.43	117.09	104.26	34.661	1.2557	24.143
#1	.00001	.00095	.00941	.00143	.01887	.00312
#2	.00042	.00009	.06224	.00087	.01854	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8137.3**	**109550.**	**6710.2**
Stddev	3.7	180.	40.7
%RSD	.04491	.16390	.60587
#1	8139.9	109680.	6738.9
#2	8134.7	109430.	6681.4

Sample Name: 280-48922-f-1-a Acquired: 11/12/2013 1:00:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.16918**	**.00296**	**.01219**	**.06415**	**-.00004**	**-.00388**	**36.197**	**.00011**	**.00028**
Stddev	.00011	.00148	.00109	.00046	.00040	.00010	.00184	.006	.00011	.00028
%RSD	44.409	.87601	36.729	3.8031	.62920	244.99	47.531	.01703	100.65	99.344
#1	.00017	.17023	.00219	.01251	.06386	-.00012	-.00258	36.193	.00019	.00047
#2	.00032	.16813	.00372	.01186	.06443	.00003	-.00518	36.201	.00003	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00122**	**.19040**	**1.4318**	**.00509**	**8.3213**	**.01588**	**.00066**	**17.379**	**.00076**
Stddev	.00015	.00027	.00081	.0208	.00075	.0062	.00001	.00012	.057	.00007
%RSD	56.924	21.914	.42655	1.4490	14.776	.07493	.05757	18.216	.33051	8.9884
#1	.00036	.00141	.19097	1.4465	.00562	8.3257	.01589	.00057	17.420	.00080
#2	.00015	.00103	.18983	1.4171	.00456	8.3169	.01587	.00074	17.338	.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	**-.00013**	**16.986**	**-.00348**	**-.00046**	**5.2036**	**11.136**	**.00001**	**.33864**	**-.00066**
Stddev	.00065	.00057	.023	.00037	.00128	.0554	.119	.00064	.00005	.00038
%RSD	25.040	424.31	.13525	10.625	279.29	1.0651	1.0651	5471.1	.01461	58.531
#1	.00212	.00027	17.002	-.00322	-.00136	5.1645	11.052	-.00044	.33860	-.00093
#2	.00303	-.00054	16.970	-.00374	.00045	5.2428	11.220	.00047	.33867	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00299**	**-.00045**	**.00396**	**.00097**	**.00347**	**.00318**
Stddev	.00008	.00032	.03760	.00046	.00006	.00183
%RSD	2.5864	72.346	950.00	47.546	1.7675	57.635
#1	.00294	-.00022	.03055	.00129	.00343	.00188
#2	.00305	-.00068	-.02263	.00064	.00352	.00448
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.3**	**112280.**	**6721.3**
Stddev	14.5	42.	25.5
%RSD	.17386	.03770	.37931
#1	8325.1	112310.	6739.3
#2	8345.6	112250.	6703.3

Sample Name: 280-48922-f-2-a Acquired: 11/12/2013 1:03:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.01366**	**.00111**	**.02284**	**.05187**	**-.00006**	**-.00325**	**93.417**	**.00035**	**.00021**
Stddev	.00041	.00057	.00194	.00023	.00032	.00003	.00011	.174	.00016	.00003
%RSD	101.62	4.1643	175.21	1.0048	.61905	58.099	3.3866	.18656	46.710	16.276
#1	.00011	.01406	-.00026	.02300	.05210	-.00004	-.00333	93.294	.00047	.00018
#2	.00069	.01326	.00247	.02268	.05165	-.00008	-.00317	93.541	.00024	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00208**	**.08336**	**6.0067**	**.07660**	**74.951**	**.02632**	**.00085**	**392.98**	**.00167**
Stddev	.00009	.00011	.00090	.0864	.00187	.099	.00000	.00025	.42	.00019
%RSD	128.92	5.0898	1.0755	1.4392	2.4468	.13157	.00212	30.014	.10591	11.435
#1	.00013	.00215	.08400	5.9456	.07528	74.882	.02632	.00103	392.69	.00181
#2	.00001	.00200	.08273	6.0679	.07793	75.021	.02632	.00067	393.28	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00196**	**-.00018**	F **217.92**	**.00009**	**.00045**	**4.6487**	**9.9482**	**-.00050**	**3.1674**	**-.00295**
Stddev	.00049	.00009	.02	.00014	.00106	.0013	.0028	.00052	.0058	.00041
%RSD	24.912	46.627	.00921	150.84	234.74	.02821	.02821	104.64	.18368	13.884
#1	.00162	-.00012	217.93	.00019	.00120	4.6496	9.9502	-.00087	3.1632	-.00266
#2	.00231	-.00024	217.90	-.00001	-.00030	4.6478	9.9463	-.00013	3.1715	-.00324
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00007**	**.02948**	**.00113**	**.00368**	**.00367**
Stddev	.00103	.00126	.03314	.00008	.00013	.00096
%RSD	417.78	1678.2	112.43	7.3963	3.6356	26.104
#1	.00097	.00081	.00604	.00108	.00378	.00299
#2	-.00048	-.00096	.05291	.00119	.00359	.00434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7768.3**	**103520.**	**6566.2**
Stddev	7.0	72.	3.9
%RSD	.09069	.06916	.05877
#1	7773.3	103570.	6563.5
#2	7763.3	103470.	6568.9

Sample Name: 280-48924-d-1-a Acquired: 11/12/2013 1:05:43 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00669**	**-.00162**	**.03063**	**-.00031**	**.00001**	**-.00130**	**.06891**	**-.00007**	**.00032**
Stddev	.00018	.00012	.00049	.00033	.00004	.00002	.00070	.01066	.00011	.00006
%RSD	32.976	1.7965	30.020	1.0746	13.152	118.42	53.981	15.470	176.57	20.060
#1	.00066	.00660	-.00197	.03040	-.00034	.00000	-.00081	.07645	-.00015	.00028
#2	.00041	.00677	-.00128	.03086	-.00028	.00002	-.00180	.06137	.00002	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00364**	**.00027**	**.01791**	**.06806**	**-.00010**	**.00921**	**.00031**	**.00016**	**.21095**	**.00123**
Stddev	.00007	.00026	.00039	.00559	.00163	.00700	.00009	.00025	.05046	.00007
%RSD	1.7920	94.674	2.1569	8.2195	1549.6	75.959	28.358	154.12	23.919	5.9508
#1	.00368	.00045	.01764	.06411	.00104	.01416	.00025	-.00001	.24662	.00118
#2	.00359	.00009	.01818	.07202	-.00125	.00426	.00038	.00034	.17527	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00233**	**.00045**	**.05042**	**-.00145**	**.00063**	**.02732**	**.05846**	**-.00031**	**.00106**	**.00067**
Stddev	.00036	.00005	.00489	.00149	.00086	.00776	.01660	.00038	.00026	.00046
%RSD	15.600	12.215	9.6964	102.47	136.78	28.390	28.390	123.71	24.134	69.260
#1	-.00258	.00041	.05387	-.00250	.00002	.03280	.07020	-.00004	.00124	.00100
#2	-.00207	.00049	.04696	-.00040	.00123	.02183	.04672	-.00058	.00088	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00008**	**.00336**	**.00026**	**.00296**	**.00296**
Stddev	.00002	.00107	.00655	.00021	.00052	.00049
%RSD	32.818	1418.7	195.11	79.364	17.454	16.731
#1	-.00008	.00068	-.00127	.00041	.00260	.00261
#2	-.00005	-.00084	.00799	.00011	.00333	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8478.8**	**116630.**	**6674.5**
Stddev	43.5	36.	19.8
%RSD	.51321	.03081	.29695
#1	8448.0	116660.	6688.5
#2	8509.6	116610.	6660.4

Sample Name: 280-48924-d-2-a Acquired: 11/12/2013 1:08:00 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.08285**	**.00212**	**.02924**	**.10862**	**.00003**	**-.00192**	**30.606**	**.00022**	**.00222**
Stddev	.00029	.00025	.00212	.00009	.00063	.00008	.00091	.248	.00036	.00011
%RSD	52.676	.29698	100.25	.29340	.58140	290.10	47.387	.81022	163.43	5.0096
#1	.00034	.08302	.00362	.02930	.10906	-.00003	-.00256	30.431	-.00003	.00229
#2	.00075	.08267	.00062	.02918	.10817	.00008	-.00128	30.781	.00048	.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00224**	**.21893**	**7.2462**	**.11621**	**16.140**	**.09227**	**.00462**	W **554.67**	**.00301**
Stddev	.00006	.00009	.00226	.0656	.00015	.070	.00019	.00016	3.69	.00020
%RSD	7.4317	4.0376	1.0323	.90538	.13230	.43282	.20280	3.4711	.66463	6.5059
#1	.00083	.00218	.21734	7.1998	.11632	16.190	.09240	.00474	552.06	.00287
#2	.00075	.00231	.22053	7.2925	.11610	16.091	.09214	.00451	557.28	.00315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01289**	**-.00018**	**25.633**	**-.00102**	**-.00142**	**3.3086**	**7.0805**	**.00034**	**3.0485**	**-.00410**
Stddev	.00334	.00040	.030	.00124	.00083	.0183	.0391	.00022	.0199	.00141
%RSD	25.922	221.24	.11560	121.85	58.299	.55238	.55238	62.779	.65150	34.482
#1	.01525	-.00046	25.654	-.00014	-.00083	3.3216	7.1082	.00050	3.0344	-.00310
#2	.01053	.00010	25.612	-.00189	-.00200	3.2957	7.0529	.00019	3.0625	-.00510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00195**	**.00056**	**.02630**	**.00099**	**.00581**	**.00373**
Stddev	.00046	.00080	.00525	.00019	.00020	.00102
%RSD	23.601	142.69	19.953	18.740	3.3997	27.222
#1	.00228	.00112	.03001	.00113	.00595	.00445
#2	.00163	-.00001	.02259	.00086	.00567	.00301
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7770.9**	**101900.**	**6456.3**
Stddev	15.0	753.	67.3
%RSD	.19256	.73879	1.0429
#1	7781.5	101370.	6503.9
#2	7760.3	102430.	6408.7

Sample Name: 280-48924-d-3-a Acquired: 11/12/2013 1:10:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00028**	**.07793**	**.00055**	**.03024**	**.11051**	**-.00008**	**-.00340**	**31.444**	**.00038**	**.00254**
Stddev	.00059	.00018	.00256	.00002	.00066	.00005	.00093	.017	.00026	.00002
%RSD	211.03	.22545	462.96	.07075	.59592	60.269	27.462	.05472	66.858	.68817
#1	-.00069	.07781	-.00126	.03025	.11097	-.00011	-.00274	31.456	.00056	.00252
#2	.00014	.07806	.00237	.03022	.11004	-.00005	-.00406	31.432	.00020	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00189**	**.21532**	**7.6340**	**.11719**	**16.610**	**.09479**	**.00458**	W **570.69**	**.00306**
Stddev	.00015	.00038	.00130	.0441	.00151	.020	.00008	.00002	.58	.00006
%RSD	106.76	19.965	.60589	.57765	1.2908	.11918	.08751	.45122	.10216	1.8799
#1	.00003	.00216	.21624	7.6652	.11612	16.596	.09473	.00456	571.10	.00302
#2	.00024	.00163	.21440	7.6029	.11826	16.624	.09485	.00459	570.27	.00310
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01285**	**-.00025**	**26.359**	**-.00013**	**.00014**	**3.4224**	**7.3239**	**-.00027**	**3.1351**	**-.00295**
Stddev	.00014	.00014	.025	.00259	.00114	.0067	.0143	.00067	.0058	.00034
%RSD	1.0756	54.970	.09570	1955.9	804.27	.19496	.19496	243.64	.18623	11.545
#1	.01275	-.00015	26.377	.00170	.00095	3.4271	7.3340	.00020	3.1392	-.00319
#2	.01294	-.00035	26.341	-.00196	-.00067	3.4177	7.3138	-.00074	3.1310	-.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00181**	**.00022**	**.02016**	**.00071**	**.00557**	**.00299**
Stddev	.00017	.00046	.02629	.00044	.00014	.00028
%RSD	9.5066	208.31	130.43	62.351	2.4447	9.3408
#1	.00193	-.00010	.00157	.00040	.00547	.00280
#2	.00169	.00055	.03875	.00102	.00566	.00319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7684.6**	**101060.**	**6473.7**
Stddev	54.9	533.	45.4
%RSD	.71433	.52738	.70158
#1	7723.4	101430.	6505.9
#2	7645.8	100680.	6441.6

Sample Name: 280-48944-c-1-a Acquired: 11/12/2013 1:12:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.13928**	**.00275**	**.03503**	**.01430**	**-.00007**	**-.00225**	**20.986**	**.00006**	**.00010**
Stddev	.00010	.00091	.00116	.00026	.00009	.00015	.00291	.018	.00009	.00009
%RSD	11.920	.65310	42.216	.74066	.61005	203.46	129.51	.08493	142.43	87.975
#1	.00093	.13993	.00193	.03485	.01436	.00003	-.00019	20.998	.00012	.00004
#2	.00078	.13864	.00357	.03521	.01423	-.00018	-.00430	20.973	.00000	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00774**	**.02570**	**.06788**	**.79322**	**-.00072**	**1.4455**	**.00173**	**.00051**	**5.6414**	**.00769**
Stddev	.00007	.00029	.00314	.04240	.00122	.0003	.00002	.00001	.0822	.00033
%RSD	.96147	1.1248	4.6214	5.3459	169.45	.02113	1.0472	1.0307	1.4570	4.2659
#1	.00769	.02550	.07010	.82321	.00014	1.4452	.00171	.00050	5.6995	.00792
#2	.00780	.02591	.06566	.76324	-.00159	1.4457	.00174	.00051	5.5833	.00745
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00941**	**-.00079**	**4.3063**	**-.00228**	**.00106**	**2.7063**	**5.7915**	**.00386**	**.05594**	**.00006**
Stddev	.00029	.00106	.0080	.00041	.00150	.0001	.0002	.00032	.00049	.00029
%RSD	3.0559	134.32	.18454	17.788	141.77	.00288	.00288	8.1670	.87570	492.44
#1	.00961	-.00154	4.3007	-.00257	.00212	2.7064	5.7916	.00364	.05629	-.00015
#2	.00920	-.00004	4.3119	-.00200	.00000	2.7062	5.7914	.00408	.05560	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**-.00042**	**-.00477**	**.00077**	**.00674**	**.00205**
Stddev	.00024	.00090	.01759	.00032	.00013	.00000
%RSD	149.44	213.16	369.00	40.960	1.9341	.08160
#1	-.00001	.00021	-.01721	.00099	.00683	.00205
#2	.00034	-.00106	.00767	.00055	.00665	.00205
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8336.9**	**112490.**	**6465.6**
Stddev	3.9	61.	43.7
%RSD	.04658	.05457	.67663
#1	8334.2	112450.	6434.7
#2	8339.6	112540.	6496.5

Sample Name: 280-48888-b-2-a Acquired: 11/12/2013 1:15:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.11087**	**.00059**	**.17960**	**.05176**	**-.00015**	**-.00184**	**76.957**	**.00015**	**.00045**
Stddev	.00019	.00085	.00000	.00037	.00006	.00009	.00125	.022	.00006	.00003
%RSD	41.045	.76447	.34732	.20343	.11587	61.313	68.104	.02913	41.698	6.8783
#1	.00059	.11028	.00059	.17935	.05172	-.00008	-.00272	76.941	.00019	.00043
#2	.00033	.11147	.00059	.17986	.05181	-.00021	-.00095	76.972	.00011	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.01155**	**.31682**	**14.431**	**.02683**	**17.254**	**.02737**	**.00472**	**119.13**	**.00198**
Stddev	.00022	.00052	.00257	.056	.00038	.044	.00007	.00011	.07	.00043
%RSD	61.467	4.4772	.81259	.38579	1.4211	.25277	.25718	2.2887	.06200	21.642
#1	.00020	.01118	.31500	14.470	.02710	17.285	.02742	.00464	119.08	.00168
#2	.00051	.01191	.31864	14.391	.02656	17.224	.02732	.00479	119.18	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25989**	**.00047**	**47.630**	**-.00311**	**.00034**	**2.5019**	**5.3542**	**.00028**	**.76276**	**-.00058**
Stddev	.00139	.00014	.043	.00336	.00115	.0133	.0285	.00089	.00067	.00165
%RSD	.53374	30.050	.09034	108.08	340.58	.53155	.53155	322.76	.08783	284.78
#1	.25891	.00037	47.660	-.00548	-.00048	2.4925	5.3340	-.00035	.76228	-.00175
#2	.26087	.00056	47.600	-.00073	.00115	2.5114	5.3743	.00091	.76323	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00303**	**-.00045**	**-.01859**	**.00086**	**.03849**	**.00197**
Stddev	.00032	.00022	.00656	.00035	.00040	.00250
%RSD	10.738	48.829	35.319	40.652	1.0519	126.65
#1	.00280	-.00060	-.02323	.00061	.03820	.00021
#2	.00326	-.00029	-.01394	.00111	.03878	.00374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7949.7**	**107350.**	**6461.1**
Stddev	40.3	157.	35.8
%RSD	.50748	.14647	.55351
#1	7978.3	107240.	6435.8
#2	7921.2	107460.	6486.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 1:17:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00832**	**51.917**	**-.00004**	**.00127**	**.00002**	**-.00013**	W **1.0833**	**.02897**	**-.00041**	**-.00028**	**.00010**	**.01238**
Stddev	.00021	.089	.00226	.00007	.00043	.00004	.0012	.00456	.00015	.00004	.00002	.00015
%RSD	2.5071	.17193	5329.2	5.6033	2375.6	32.287	.10619	15.742	36.483	16.230	22.808	1.2285
#1	.00846	51.854	.00155	.00132	-.00029	-.00016	1.0825	.03220	-.00052	-.00024	.00008	.01227
#2	.00817	51.980	-.00164	.00122	.00032	-.00010	1.0841	.02575	-.00031	-.00031	.00011	.01248
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.234**	**.07118**	**-.00152**	**.08685**	**.00074**	**-.00006**	**270.29**	**-.00016**	**-.00245**	**.00029**	**5.2047**	**.00145**
Stddev	.300	.02814	.00082	.00160	.00005	.00042	1.13	.00041	.00095	.00026	.0022	.00014
%RSD	.59740	39.542	53.968	1.8408	6.1182	653.83	.41816	246.83	38.761	90.096	.04269	9.6345
#1	50.447	.09108	-.00094	.08572	.00077	-.00036	271.09	-.00045	-.00178	.00011	5.2063	.00135
#2	50.022	.05127	-.00210	.08798	.00070	.00023	269.49	.00012	-.00313	.00048	5.2031	.00154
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00637**	**.02604**	**.05573**	**.00004**	**.00037**	**5.0393**	**-.01357**	**.00137**	F **6.3894**	**.00171**	**.00107**	**.05857**
Stddev	.00049	.00170	.00363	.00080	.00009	.0200	.00012	.00103	.0153	.00010	.00033	.00322
%RSD	7.6385	6.5132	6.5132	1901.7	23.768	.39723	.88630	75.728	.24014	5.5724	30.977	5.5033
#1	-.00602	.02484	.05316	.00061	.00043	5.0251	-.01365	.00063	6.4003	.00165	.00130	.06085
#2	-.00671	.02724	.05829	-.00052	.00031	5.0534	-.01348	.00210	6.3786	.00178	.00083	.05629
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7948.0**	**105400.**	**6294.1**
Stddev	54.9	401.	71.9
%RSD	.69109	.38044	1.1420
#1	7986.8	105690.	6344.9
#2	7909.1	105120.	6243.3

Sample Name: CCV-2372889 Acquired: 11/12/2013 1:19:51 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51263**	**.54628**	**1.0180**	**.51286**	**.51009**	**.49517**	**-.00383**	**5.1193**	**.51433**	**.51249**	**.51739**	**.51462**	**2.4878**
Stddev	.00152	.00026	.0018	.00095	.00008	.00079	.00106	.0293	.00007	.00076	.00083	.00255	.0212
%RSD	.29627	.04799	.17776	.18483	.01656	.15929	27.563	.57245	.01303	.14797	.15969	.49456	.85107
#1	.51156	.54609	1.0193	.51353	.51015	.49461	-.00458	5.1400	.51438	.51303	.51680	.51282	2.5027
#2	.51371	.54647	1.0167	.51219	.51003	.49573	-.00309	5.0986	.51428	.51196	.51797	.51642	2.4728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.816**	**1.0176**	**20.568**	**.50536**	**.52254**	**5.3597**	**.52047**	**1.0306**	**1.0498**	**.01629**	**1.0217**	**1.0264**	**4.9331**
Stddev	.067	.0016	.095	.00031	.00305	.0109	.00010	.0018	.0028	.00191	.0008	.0020	.0220
%RSD	.12689	.15512	.46186	.06056	.58343	.20340	.01918	.17447	.27060	11.723	.07372	.19281	.44607
#1	52.768	1.0188	20.635	.50515	.52038	5.3674	.52040	1.0293	1.0478	.01494	1.0222	1.0250	4.9486
#2	52.863	1.0165	20.501	.50558	.52470	5.3520	.52054	1.0318	1.0519	.01765	1.0212	1.0278	4.9175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.557**	**1.0472**	**.50747**	**-.00319**	**.49917**	**1.0470**	**.00775**	**.51041**	**.52297**	**.49883**
Stddev	.047	.0018	.00003	.00066	.00120	.0006	.00161	.00189	.00468	.00661
%RSD	.44607	.17108	.00539	20.760	.24115	.05410	20.753	.36963	.89470	1.3261
#1	10.590	1.0459	.50749	-.00366	.50002	1.0474	.00661	.51175	.52628	.50350
#2	10.523	1.0485	.50745	-.00272	.49832	1.0466	.00888	.50908	.51967	.49415
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8200.5**	**108920.**	**6275.0**
Stddev	16.2	634.	37.2
%RSD	.19779	.58168	.59240
#1	8189.0	108480.	6301.3
#2	8211.9	109370.	6248.7

Sample Name: CCB Acquired: 11/12/2013 1:22:00 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00398**	**.00056**	**.00006**	**-.00011**	**.00007**	**-.00103**	**.00577**	**-.00008**	**.00041**	**.00010**
Stddev	.00032	.00030	.00077	.00003	.00012	.00005	.00216	.00143	.00007	.00004	.00008
%RSD	165.14	7.4085	136.40	49.404	110.68	77.733	208.99	24.717	96.832	10.574	79.109
#1	-.00003	-.00377	.00110	.00004	-.00002	.00003	-.00256	.00476	-.00013	.00044	.00015
#2	.00043	-.00419	.00002	.00009	-.00019	.00010	.00049	.00678	-.00002	.00038	.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00003**	**.01333**	W **-.00270**	**.00368**	**.00005**	**.00009**	**.03692**	**.00052**	**-.00457**	**.00019**
Stddev	.00010	.00055	.02458	.00074	.00127	.00001	.00009	.00645	.00009	.00071	.00093
%RSD	124.19	1583.0	184.44	27.529	34.648	24.618	93.817	17.459	17.179	15.534	492.81
#1	-.00015	.00042	-.00405	-.00323	.00278	.00004	.00016	.03237	.00045	-.00407	.00084
#2	-.00001	-.00035	.03071	-.00218	.00458	.00006	.00003	.04148	.00058	-.00507	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261							
Low Limit				-.00261							

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01529**	F **.00739**	**-.00035**	**.00742**	**.01588**	**.00002**	**.00022**	**.00075**	**-.00026**	**-.00024**	**.00271**
Stddev	.00235	.00227	.00218	.02145	.04590	.00026	.00000	.00133	.00001	.00132	.00516
%RSD	15.347	30.706	616.27	289.02	289.02	1376.3	.98863	176.63	4.3330	546.27	190.34
#1	.01695	.00579	.00119	.02259	.04834	-.00017	.00022	-.00019	-.00027	.00069	.00636
#2	.01363	.00900	-.00189	-.00775	-.01658	.00021	.00022	.00169	-.00025	-.00118	-.00094
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00000**	**.00225**	**.00227**
Stddev	.00002	.00038	.00047
%RSD	73834.	16.737	20.762
#1	-.00002	.00198	.00261
#2	.00002	.00251	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8266.9**	**111770.**	**6339.8**
Stddev	17.8	100.	3.9
%RSD	.21516	.08932	.06211
#1	8254.3	111840.	6337.1
#2	8279.4	111700.	6342.6

Sample Name: CCVL2372865 Acquired: 11/12/2013 1:24:19 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01069**	**.11086**	**.01590**	**.10016**	**.01016**	**.00091**	**.12282**	**.21687**	**.00515**	**.01059**	**.01044**	**.01612**	**.10438**
Stddev	.00039	.00002	.00211	.00067	.00012	.00013	.00290	.00290	.00013	.00000	.00013	.00028	.00332
%RSD	3.6107	.01443	13.299	.66473	1.1409	14.052	2.3591	1.3392	2.6201	.02062	1.2606	1.7660	3.1823
#1	.01042	.11085	.01739	.10063	.01008	.00082	.12487	.21482	.00524	.01058	.01053	.01591	.10203
#2	.01097	.11087	.01440	.09969	.01024	.00100	.12077	.21893	.00505	.01059	.01034	.01632	.10673
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1780**	**.00838**	**.21314**	**.01038**	**.02089**	**1.1113**	**.04281**	**3.0030**	**.00894**	**.01962**	**.01171**	**.01154**	**.49283**
Stddev	.0478	.00143	.00253	.00001	.00006	.0115	.00006	.0017	.00038	.00250	.00064	.00073	.00193
%RSD	1.5056	17.120	1.1856	.09595	.28074	1.0324	.13440	.05805	4.2579	12.738	5.4277	6.2994	.39118
#1	3.1442	.00736	.21135	.01039	.02093	1.1194	.04285	3.0042	.00921	.02139	.01216	.01205	.49146
#2	3.2119	.00939	.21493	.01037	.02085	1.1032	.04277	3.0018	.00867	.01785	.01126	.01102	.49419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0547**	**.10677**	**.01035**	**.01429**	**.00944**	**.01705**	F **.10250**	**.01059**	**.02548**	**.01656**
Stddev	.0041	.00063	.00007	.00002	.00008	.00048	.00471	.00058	.00067	.00004
%RSD	.39118	.59035	.64376	.11768	.83826	2.8048	4.5919	5.4973	2.6484	.26865
#1	1.0517	.10722	.01030	.01428	.00938	.01671	.10583	.01018	.02501	.01659
#2	1.0576	.10632	.01040	.01430	.00950	.01739	.09917	.01100	.02596	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8262.0**	**111340.**	**6366.8**
Stddev	39.8	36.	44.7
%RSD	.48222	.03266	.70253
#1	8233.8	111310.	6335.2
#2	8290.2	111360.	6398.4

Sample Name: mb 280-199768/1-a Acquired: 11/12/2013 1:26:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	F **.19674**	**.00308**	**-.00005**	**.00001**	**-.00007**	**.00087**	**.01716**	**-.00004**	**.00018**
Stddev	.00009	.00103	.00110	.00048	.00010	.00002	.00042	.00080	.00024	.00008
%RSD	14.316	.52497	35.525	931.01	1203.6	22.502	48.159	4.6581	576.36	43.995
#1	.00057	.19747	.00386	-.00039	.00008	-.00008	.00116	.01772	.00013	.00012
#2	.00070	.19601	.00231	.00029	-.00006	-.00006	.00057	.01659	-.00021	.00023
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.10000								
Low Limit		-.10000								

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00019**	W **.06532**	**-.02031**	**-.00026**	**.00298**	**.00055**	**.00002**	**.00467**	**.00027**
Stddev	.00011	.00001	.00017	.01375	.00080	.00037	.00001	.00022	.00530	.00007
%RSD	102.61	3.4753	.25500	67.674	311.91	12.487	1.5015	965.44	113.36	24.042
#1	.00003	.00019	.06543	-.03003	.00031	.00271	.00056	-.00013	.00093	.00032
#2	.00019	.00018	.06520	-.01059	-.00083	.00324	.00055	.00018	.00842	.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00352**	**-.00040**	**.01745**	**-.00193**	**-.00055**	**.01229**	**.02630**	**.00083**	**.00013**	**.00091**
Stddev	.00033	.00032	.00144	.00069	.00038	.01033	.02211	.00012	.00001	.00045
%RSD	9.4197	80.051	8.2543	35.631	68.554	84.062	84.062	14.703	6.2187	49.577
#1	-.00375	-.00018	.01643	-.00144	-.00082	.01960	.04194	.00075	.00013	.00059
#2	-.00328	-.00063	.01847	-.00242	-.00029	.00498	.01067	.00092	.00014	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.00031**	**.01149**	**.00010**	**.00276**	**.00318**
Stddev	.00017	.00066	.01261	.00000	.00002	.00307
%RSD	29.849	209.60	109.74	4.1886	.68758	96.435
#1	-.00045	.00078	.02041	.00011	.00278	.00535
#2	-.00068	-.00015	.00257	.00010	.00275	.00101
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8266.0**	**111460.**	**6437.5**
Stddev	4.6	444.	53.0
%RSD	.05518	.39867	.82255
#1	8262.8	111140.	6474.9
#2	8269.3	111770.	6400.0

Sample Name: lcs 280-199768/2-a Acquired: 11/12/2013 1:28:56 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04888	2.0162	.96492	.99035	1.9469	.04697	2.1866	47.309	.10256	.47383
Stddev	.00048	.0063	.00795	.00157	.0017	.00000	.0129	.025	.00011	.00091
%RSD	.98178	.31036	.82407	.15894	.08609	.00791	.58956	.05367	.10461	.19132
#1	.04922	2.0118	.97054	.99147	1.9457	.04697	2.1957	47.327	.10248	.47447
#2	.04854	2.0206	.95930	.98924	1.9480	.04697	2.1775	47.291	.10263	.47319
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.19686	.24833	.94206	50.614	.96935	48.851	.47528	1.0066	52.162	.48234
Stddev	.00029	.00085	.00273	.120	.00126	.029	.00073	.0029	.448	.00107
%RSD	.14847	.34085	.28989	.23745	.13010	.06013	.15301	.29017	.85976	.22267
#1	.19707	.24892	.94013	50.699	.96846	48.872	.47579	1.0086	51.845	.48310
#2	.19665	.24773	.94399	50.529	.97024	48.830	.47476	1.0045	52.479	.48158
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.8978	.47939	.04766	.47497	1.9248	9.6878	20.732	2.0011	.96762	.95619
Stddev	.0180	.00301	.04680	.00068	.0112	.0060	.013	.0097	.00186	.01011
%RSD	.18152	.62808	98.193	.14293	.58323	.06137	.06137	.48281	.19221	1.0572
#1	9.9105	.48152	.01457	.47449	1.9327	9.6836	20.723	2.0079	.96631	.96333
#2	9.8851	.47726	.08076	.47545	1.9169	9.6920	20.741	1.9942	.96894	.94904
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.96922	1.8937	2.0545	.48898	.49290	.49636
Stddev	.00331	.0110	.0132	.00029	.00070	.00518
%RSD	.34139	.58008	.64383	.05912	.14139	1.0436
#1	.97156	1.9014	2.0452	.48878	.49339	.49269
#2	.96688	1.8859	2.0639	.48919	.49241	.50002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7934.8	105500.	6228.3
Stddev	32.5	294.	72.7
%RSD	.40909	.27873	1.1674
#1	7957.7	105710.	6176.9
#2	7911.8	105290.	6279.7

Sample Name: 280-48717-d-1-c Acquired: 11/12/2013 1:31:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**5.5428**	**.05257**	**.22784**	**.39300**	**.00021**	**-.01275**	**281.73**	**.00149**	**.01022**
Stddev	.00019	.0716	.00099	.00102	.00494	.00004	.00047	4.74	.00012	.00025
%RSD	36.385	1.2909	1.8913	.44854	1.2558	18.104	3.7129	1.6830	7.9720	2.4095
#1	.00066	5.4922	.05187	.22711	.38951	.00024	-.01242	278.38	.00158	.01004
#2	.00039	5.5933	.05327	.22856	.39649	.00018	-.01309	285.08	.00141	.01039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00733**	**.01175**	**19.984**	**3.7151**	**.01123**	**129.46**	**3.6225**	**.00110**	**123.38**	**.03099**
Stddev	.00014	.00047	.245	.0596	.00033	.35	.0166	.00021	1.55	.00001
%RSD	1.8955	4.0348	1.2279	1.6053	2.9271	.26926	.45904	19.192	1.2539	.03325
#1	.00723	.01209	19.811	3.6729	.01100	129.70	3.6342	.00125	122.28	.03098
#2	.00743	.01142	20.158	3.7573	.01146	129.21	3.6107	.00095	124.47	.03100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.4098**	**.00843**	**2.8418**	**-.00273**	**.00198**	**32.735**	**70.054**	**.00262**	**1.2453**	**.00491**
Stddev	.0103	.00129	.0169	.00056	.00089	.503	1.076	.00068	.0126	.00008
%RSD	.42573	15.311	.59528	20.387	45.023	1.5354	1.5354	26.123	1.0107	1.6966
#1	2.4026	.00752	2.8299	-.00233	.00260	32.380	69.293	.00214	1.2364	.00486
#2	2.4171	.00934	2.8538	-.00312	.00135	33.091	70.814	.00311	1.2542	.00497
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45203**	**-.00118**	**-.02080**	**.02685**	**.02278**	**.00897**
Stddev	.00022	.00091	.01458	.00006	.00021	.00166
%RSD	.04910	77.133	70.075	.23335	.92961	18.565
#1	.45219	-.00054	-.01050	.02689	.02293	.01014
#2	.45188	-.00182	-.03111	.02680	.02263	.00779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7754.3**	**102220.**	**6259.4**
Stddev	14.0	527.	51.4
%RSD	.18100	.51552	.82183
#1	7744.4	101840.	6295.8
#2	7764.2	102590.	6223.0

Sample Name: 280-48717-d-2-c Acquired: 11/12/2013 1:33:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**.01758**	**.00126**	**.00061**	**.00001**	**-.00003**	**-.00132**	**.07639**	**.00003**	**.00011**
Stddev	.00120	.00045	.00042	.00017	.00023	.00001	.00035	.01618	.00001	.00003
%RSD	275.88	2.5697	33.204	28.374	2162.1	44.871	26.541	21.176	40.015	25.364
#1	-.00041	.01726	.00155	.00073	.00017	-.00004	-.00157	.08783	.00002	.00013
#2	.00128	.01790	.00096	.00049	-.00015	-.00002	-.00107	.06495	.00003	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00023**	**.00974**	**.02686**	**.00020**	**.01308**	**.00057**	**-.00014**	**.07399**	**.00062**
Stddev	.00010	.00019	.00433	.02787	.00096	.00239	.00002	.00024	.01953	.00011
%RSD	405.22	80.856	44.500	103.75	486.30	18.233	3.3057	171.60	26.393	18.006
#1	.00009	.00010	.01280	.00715	-.00048	.01140	.00058	.00003	.08780	.00054
#2	-.00004	.00037	.00667	.04656	.00088	.01477	.00056	-.00031	.06018	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01985**	**-.00035**	**.01951**	**-.00096**	**-.00017**	**.04382**	**.09377**	**.00119**	**.00015**	**-.00044**
Stddev	.00640	.00010	.00245	.00122	.00213	.00717	.01534	.00001	.00002	.00181
%RSD	32.249	29.389	12.563	127.38	1253.8	16.356	16.356	.48485	16.716	413.31
#1	.02438	-.00028	.02124	-.00010	.00133	.03875	.08292	.00119	.00013	-.00172
#2	.01533	-.00042	.01777	-.00183	-.00167	.04889	.10462	.00120	.00017	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00018**	**-.00522**	**.00026**	**.00458**	**.00169**
Stddev	.00006	.00037	.02722	.00059	.00016	.00055
%RSD	36.869	198.73	521.45	228.90	3.5497	32.616
#1	-.00013	.00044	-.02447	.00067	.00447	.00130
#2	-.00022	-.00007	.01403	-.00016	.00470	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8311.8**	**111570.**	**6325.9**
Stddev	22.2	132.	32.1
%RSD	.26682	.11829	.50671
#1	8327.5	111670.	6348.6
#2	8296.2	111480.	6303.2

Sample Name: 280-48717-d-3-c Acquired: 11/12/2013 1:35:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.07926**	**.07146**	**1.8193**	**.97178**	**-.00001**	**-.01182**	**340.13**	**.00125**	**.00446**
Stddev	.00004	.00020	.00356	.0019	.00459	.00008	.00153	8.84	.00004	.00033
%RSD	4.8438	.25812	4.9760	.10432	.47251	810.07	12.959	2.5989	3.4685	7.3640
#1	.00085	.07912	.06894	1.8207	.96853	-.00007	-.01290	346.38	.00128	.00423
#2	.00091	.07941	.07397	1.8180	.97502	.00005	-.01074	333.88	.00122	.00469
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00181**	**37.402**	**23.745**	**.00907**	**87.450**	**5.2679**	**-.00035**	**214.95**	**.00572**
Stddev	.00000	.00004	.056	.114	.00080	.256	.0107	.00048	1.53	.00008
%RSD	.17618	2.3793	.14942	.48035	8.8126	.29310	.20246	134.23	.71237	1.3457
#1	.00091	.00178	37.362	23.664	.00964	87.632	5.2754	-.00002	213.86	.00578
#2	.00091	.00184	37.441	23.825	.00851	87.269	5.2604	-.00069	216.03	.00567
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5026**	**-.00228**	**1.9394**	**-.00293**	**.00190**	**31.583**	**67.588**	**-.00012**	**2.0325**	**-.00103**
Stddev	.0031	.00187	.0059	.00123	.00128	.313	.670	.00023	.0092	.00081
%RSD	.20748	81.893	.30248	41.927	67.187	.99114	.99114	194.16	.45347	78.524
#1	1.5048	-.00360	1.9353	-.00380	.00100	31.362	67.114	.00004	2.0260	-.00160
#2	1.5004	-.00096	1.9436	-.00206	.00280	31.804	68.062	-.00028	2.0391	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**-.00198**	**-.00239**	**.00319**	**.00871**	**.00625**
Stddev	.00023	.00137	.02296	.00038	.00013	.00076
%RSD	30.710	69.447	960.73	11.854	1.4441	12.178
#1	.00092	-.00101	.01384	.00346	.00862	.00679
#2	.00059	-.00295	-.01862	.00292	.00880	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7617.7**	**100890.**	**6272.0**
Stddev	5.8	106.	12.3
%RSD	.07561	.10524	.19594
#1	7621.8	100810.	6280.7
#2	7613.7	100960.	6263.3

Sample Name: 280-48717-d-4-c Acquired: 11/12/2013 1:38:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.04342**	**.06863**	**1.8102**	**.96131**	**-.00001**	**-.01083**	**341.57**	**.00106**	**.00434**
Stddev	.00008	.00013	.00026	.0004	.00098	.00002	.00329	1.71	.00002	.00003
%RSD	37.621	.30795	.38126	.02406	.10218	336.59	30.382	.50169	1.5858	.70471
#1	.00016	.04332	.06845	1.8105	.96061	-.00002	-.00850	340.36	.00105	.00436
#2	.00027	.04351	.06882	1.8099	.96200	.00001	-.01315	342.78	.00108	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**.00188**	**36.944**	**23.645**	**.01085**	**86.547**	**5.3133**	**-.00037**	**213.25**	**.00566**
Stddev	.00011	.00009	.012	.061	.00059	.021	.0249	.00011	.18	.00006
%RSD	12.464	4.8944	.03195	.25923	5.4545	.02441	.46805	29.225	.08657	1.0187
#1	.00093	.00194	36.936	23.602	.01043	86.532	5.3308	-.00029	213.12	.00562
#2	.00078	.00181	36.953	23.688	.01127	86.562	5.2957	-.00044	213.38	.00571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4934**	**-.00103**	**1.9364**	**-.00238**	**.00089**	**31.428**	**67.255**	**.00073**	**2.0109**	**.00171**
Stddev	.0041	.00056	.0037	.00096	.00097	.196	.419	.00090	.0013	.00051
%RSD	.27466	54.187	.19171	40.430	108.42	.62358	.62358	122.88	.06241	29.771
#1	1.4963	-.00063	1.9390	-.00306	.00158	31.566	67.552	.00137	2.0101	.00135
#2	1.4905	-.00142	1.9338	-.00170	.00021	31.289	66.959	.00010	2.0118	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**-.00145**	**-.04792**	**.00338**	**.00475**	**.00398**
Stddev	.00009	.00089	.00336	.00005	.00020	.00068
%RSD	19.780	60.929	7.0101	1.3863	4.1704	17.193
#1	.00038	-.00208	-.04555	.00341	.00489	.00349
#2	.00051	-.00083	-.05030	.00335	.00461	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7617.6**	**101520.**	**6231.2**
Stddev	12.4	536.	17.0
%RSD	.16296	.52828	.27273
#1	7626.3	101900.	6243.3
#2	7608.8	101140.	6219.2

Sample Name: 280-48717-d-5-c Acquired: 11/12/2013 1:40:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00947**	**.00126**	**.06510**	**.03813**	**.00000**	**-.00131**	**23.351**	**.00001**	**.00115**
Stddev	.00012	.00036	.00194	.00054	.00002	.0000	.00015	.038	.00006	.00011
%RSD	27.984	3.7524	154.24	.83438	.05403	1163.9	11.704	.16386	622.42	9.7800
#1	.00035	.00972	-.00011	.06548	.03814	.00001	-.00142	23.324	.00005	.00123
#2	.00053	.00921	.00263	.06471	.03812	-.00001	-.00120	23.378	-.00003	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.01788**	**1.8117**	**.87736**	**-.00388**	**10.779**	**1.6514**	**.00018**	**18.169**	**.00201**
Stddev	.00010	.00025	.0009	.00217	.00277	.050	.0055	.00017	.434	.00008
%RSD	216.43	1.3709	.04800	.24692	71.600	.46274	.33319	95.197	2.3906	3.9398
#1	.00011	.01806	1.8111	.87889	-.00191	10.815	1.6553	.00006	17.861	.00196
#2	-.00002	.01771	1.8123	.87582	-.00584	10.744	1.6475	.00030	18.476	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05357**	**-.00030**	**2.3383**	**-.00282**	**-.00108**	**8.6310**	**18.470**	**.00047**	**.16743**	**-.00010**
Stddev	.00198	.00064	.0126	.00232	.00076	.0047	.010	.00028	.00049	.00034
%RSD	3.7033	213.34	.53698	82.322	70.728	.05500	.05500	60.278	.29202	358.59
#1	.05497	-.00075	2.3472	-.00118	-.00162	8.6344	18.478	.00067	.16777	-.00034
#2	.05217	.00015	2.3294	-.00447	-.00054	8.6277	18.463	.00027	.16708	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**-.00109**	**-.00641**	**.00113**	**.00402**	**.00251**
Stddev	.00011	.00050	.03056	.00074	.00024	.00127
%RSD	47.777	46.144	476.38	65.431	5.8575	50.622
#1	-.00031	-.00074	-.02802	.00166	.00385	.00161
#2	-.00015	-.00145	.01519	.00061	.00419	.00340
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8225.8**	**109870.**	**6344.5**
Stddev	22.0	507.	3.5
%RSD	.26760	.46152	.05450
#1	8241.3	109510.	6347.0
#2	8210.2	110230.	6342.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 1:43:04 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00798**	**51.383**	**.00165**	**.00315**	**.00000**	**-.00015**	W **1.0778**	**.02900**	**-.00018**	**-.00029**	**.00011**	**.01243**
Stddev	.00009	.199	.00261	.00004	.00031	.00009	.0011	.00613	.00016	.00001	.00003	.00042
%RSD	1.1864	.38810	157.42	1.3814	8931.8	57.982	.10044	21.126	85.913	2.0588	24.643	3.3831
#1	.00805	51.524	.00350	.00318	-.00022	-.00022	1.0771	.03333	-.00029	-.00029	.00009	.01213
#2	.00791	51.242	-.00019	.00312	.00023	-.00009	1.0786	.02467	-.00007	-.00028	.00012	.01273
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.776**	**.07827**	**-.00344**	**.08880**	**.00093**	**-.00007**	**268.04**	**.00006**	**.00011**	**.00080**	**5.1223**	**.00065**
Stddev	.080	.01133	.00448	.00114	.00002	.00006	.19	.00059	.00210	.00064	.0144	.00084
%RSD	.16011	14.471	130.15	1.2838	1.9633	89.296	.07001	928.37	1915.9	80.144	.28008	128.25
#1	49.832	.08628	-.00027	.08800	.00092	-.00002	267.91	.00048	.00160	.00035	5.1324	.00125
#2	49.719	.07026	-.00661	.08961	.00094	-.00011	268.18	-.00036	-.00138	.00126	5.1121	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00563**	**.02615**	**.05597**	**.00042**	**.00021**	**5.0133**	**-.01343**	**.00050**	F **6.3645**	**.00195**	**.00132**	**.05865**
Stddev	.00347	.01621	.03469	.00052	.00001	.0140	.00012	.00111	.0204	.00038	.00029	.00374
%RSD	61.575	61.977	61.977	123.76	5.6279	.27824	.93008	219.64	.32081	19.366	21.993	6.3812
#1	-.00808	.01469	.03144	.00079	.00022	5.0231	-.01334	-.00028	6.3500	.00168	.00112	.05600
#2	-.00318	.03762	.08050	.00005	.00020	5.0034	-.01352	.00129	6.3789	.00222	.00153	.06129
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7966.1**	**105400.**	**6250.8**
Stddev	20.1	257.	30.3
%RSD	.25219	.24349	.48465
#1	7980.3	105580.	6229.4
#2	7951.9	105220.	6272.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 1:45:26 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51115**	**.54788**	**1.0169**	**.51228**	**.50919**	**.49409**	**-.00570**	**5.1497**	**.51048**	**.51090**	**.51645**	**.51203**	**2.4915**
Stddev	.00120	.00007	.0016	.00093	.00308	.00028	.00327	.0328	.00083	.00114	.00091	.00086	.0043
%RSD	.23548	.01338	.15695	.18164	.60459	.05725	57.440	.63788	.16301	.22263	.17656	.16880	.17199
#1	.51200	.54783	1.0157	.51162	.50701	.49389	-.00801	5.1264	.50990	.51170	.51581	.51264	2.4945
#2	.51029	.54793	1.0180	.51294	.51137	.49429	-.00338	5.1729	.51107	.51009	.51710	.51141	2.4885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.726**	**1.0195**	**20.551**	**.50350**	**.51926**	**5.2987**	**.52037**	**1.0315**	**1.0429**	**.00758**	**1.0157**	**1.0244**	**4.9966**
Stddev	.166	.0061	.048	.00069	.00074	.0091	.00008	.0046	.0001	.00120	.0058	.0012	.0006
%RSD	.31488	.59426	.23443	.13627	.14329	.17219	.01470	.44863	.01381	15.806	.56707	.11652	.01295
#1	52.609	1.0153	20.585	.50301	.51874	5.3051	.52042	1.0283	1.0428	.00842	1.0116	1.0252	4.9962
#2	52.844	1.0238	20.517	.50398	.51979	5.2922	.52032	1.0348	1.0430	.00673	1.0197	1.0235	4.9971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.693**	**1.0485**	**.50610**	**-.00464**	**.49813**	**1.0426**	**.00071**	**.50780**	**.52296**	**.50132**
Stddev	.001	.0027	.00266	.00014	.00077	.0042	.01149	.00004	.00095	.00128
%RSD	.01295	.25788	.52514	3.0748	.15502	.40373	1614.1	.00878	.18260	.25451
#1	10.692	1.0466	.50422	-.00454	.49867	1.0396	-.00741	.50777	.52229	.50042
#2	10.694	1.0504	.50798	-.00474	.49758	1.0456	.00883	.50784	.52364	.50222
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8124.8**	**108270.**	**6261.0**
Stddev	31.3	198.	13.4
%RSD	.38539	.18264	.21451
#1	8102.7	108410.	6251.5
#2	8146.9	108130.	6270.5

Sample Name: CCB Acquired: 11/12/2013 1:47:33 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00404**	**.00031**	**.00132**	**-.00009**	**-.00004**	**-.00191**	**.00921**	**.00005**	**.00018**	**-.00002**	**-.00015**	**.00325**
Stddev	.00024	.00010	.00046	.00032	.00005	.00006	.00174	.00279	.00006	.00010	.00005	.00024	.00358
%RSD	124.63	2.5475	148.63	24.283	51.600	157.86	91.251	30.298	134.22	57.369	218.12	162.86	110.11
#1	.00037	-.00397	-.00002	.00155	-.00012	-.00008	-.00314	.00724	.00009	.00011	.00001	.00002	.00072
#2	.00002	-.00412	.00063	.00109	-.00006	.00000	-.00068	.01119	.00000	.00025	-.00006	-.00031	.00578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00708**	**-.00170**	**.00232**	**.00021**	**.00042**	**.01638**	**.00038**	**-.00027**	**.00008**	**.00958**	F **.00666**	**-.00004**	**.00705**
Stddev	.05443	.00190	.00039	.00004	.00010	.01560	.00007	.00045	.00164	.00095	.00063	.00186	.00623
%RSD	768.83	112.17	16.912	16.874	24.413	95.210	19.006	166.63	2141.5	9.9322	9.5313	4877.3	88.492
#1	.04556	-.00305	.00260	.00019	.00050	.02741	.00033	.00005	.00124	.01025	.00621	.00128	.00264
#2	-.03141	-.00035	.00204	.00024	.00035	.00535	.00043	-.00059	-.00109	.00890	.00711	-.00136	.01145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01508**	**.00014**	**.00023**	**.00006**	**-.00055**	**.00052**	**-.00331**	**.00040**	**.00375**	**.00041**
Stddev	.01334	.00034	.00003	.00087	.00031	.00100	.00141	.00042	.00016	.00007
%RSD	88.492	243.44	14.377	1406.2	56.649	192.01	42.737	104.09	4.2333	16.828
#1	.00564	.00038	.00020	.00068	-.00033	.00122	-.00431	.00011	.00386	.00046
#2	.02451	-.00010	.00025	-.00055	-.00076	-.00019	-.00231	.00070	.00364	.00036
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8179.2**	**109190.**	**6201.2**
Stddev	9.2	624.	16.9
%RSD	.11301	.57137	.27287
#1	8172.6	108750.	6189.2
#2	8185.7	109630.	6213.1

Sample Name: CCVL2372865 Acquired: 11/12/2013 1:49:50 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.11144**	**.01502**	**.10224**	**.01029**	**.00101**	**.12442**	**.22594**	**.00513**	**.01063**	**.01057**	**.01536**	**.10635**
Stddev	.00025	.00007	.00065	.00032	.00000	.00001	.00234	.00123	.00007	.00009	.00009	.00013	.00028
%RSD	2.2586	.06221	4.3185	.31676	.01274	1.4096	1.8829	.54584	1.4214	.83032	.83992	.84464	.26009
#1	.01070	.11139	.01457	.10201	.01029	.00102	.12277	.22507	.00518	.01057	.01063	.01545	.10655
#2	.01104	.11149	.01548	.10247	.01029	.00100	.12608	.22681	.00508	.01069	.01050	.01526	.10616
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2207**	**.00872**	**.21588**	**.01055**	**.02051**	**1.0931**	**.04321**	**3.0230**	**.00888**	**.01408**	**.01035**	**.01486**	**.49888**
Stddev	.0580	.00196	.00368	.00000	.00016	.0192	.00001	.0020	.00046	.00144	.00167	.00176	.00078
%RSD	1.8011	22.501	1.7043	.00378	.77427	1.7568	.01284	.06739	5.1530	10.211	16.165	11.868	.15706
#1	3.2617	.00733	.21848	.01055	.02040	1.1067	.04321	3.0244	.00855	.01510	.00917	.01362	.49943
#2	3.1797	.01011	.21328	.01055	.02062	1.0795	.04320	3.0215	.00920	.01307	.01153	.01611	.49832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0676**	**.10829**	**.01040**	**.01648**	**.00978**	**.01622**	F **.08545**	**.01030**	**.02546**	**.01783**
Stddev	.0017	.00069	.00002	.00000	.00032	.00064	.01118	.00005	.00070	.00053
%RSD	.15706	.63821	.22749	.01622	3.2333	3.9373	13.079	.50808	2.7479	2.9698
#1	1.0688	.10878	.01042	.01648	.00956	.01577	.07755	.01034	.02497	.01745
#2	1.0664	.10780	.01038	.01648	.01000	.01667	.09335	.01026	.02596	.01820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8264.2**	**110690.**	**6316.9**
Stddev	44.6	185.	41.8
%RSD	.53971	.16671	.66232
#1	8232.6	110560.	6287.3
#2	8295.7	110820.	6346.5

Sample Name: 48832-1 Acquired: 11/12/2013 1:52:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Sr SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.02825**	**.00551**	**3.5559**	**.08109**	**-.00005**	**.00238**	**171.37**	**.00009**	**.00065**
Stddev	.00020	.00000	.00073	.0095	.00089	.00001	.00057	1.32	.00004	.00013
%RSD	42.574	.00118	13.328	.26750	1.0950	12.391	23.778	.77108	50.904	19.722
#1	.00060	.02825	.00603	3.5492	.08046	-.00006	.00278	170.43	.00012	.00074
#2	.00032	.02825	.00499	3.5626	.08172	-.00005	.00198	172.30	.00006	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00217**	**5.0768**	**38.860**	**.00438**	**24.199**	**.82547**	**.00146**	**145.30**	**.00203**
Stddev	.00001	.00008	.0066	.244	.00040	.018	.00079	.00032	1.50	.00037
%RSD	.78722	3.6852	.12943	.62880	9.1575	.07299	.09526	21.674	1.0316	17.973
#1	.00114	.00223	5.0815	38.687	.00466	24.187	.82492	.00168	144.24	.00229
#2	.00115	.00211	5.0722	39.033	.00410	24.212	.82603	.00123	146.36	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.16145**	**-.00046**	**49.781**	**-.00106**	**-.00306**	**2.2059**	**4.7206**	**.00032**	**.90177**	**-.00252**
Stddev	.00003	.00141	.144	.00059	.00036	.0046	.0099	.00024	.00801	.00025
%RSD	.01805	308.03	.28963	55.703	11.708	.20903	.20903	75.321	.88804	10.091
#1	.16147	-.00146	49.679	-.00148	-.00331	2.2091	4.7275	.00049	.89611	-.00234
#2	.16142	.00054	49.883	-.00064	-.00281	2.2026	4.7136	.00015	.90743	-.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**.00288**	**.01673**	**.00143**	**.00099**	**.00315**
Stddev	.00006	.00022	.04614	.00034	.00022	.00100
%RSD	52.296	7.7754	275.78	23.981	21.930	31.663
#1	-.00016	.00272	-.01590	.00168	.00084	.00245
#2	-.00007	.00304	.04936	.00119	.00114	.00386
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8291.4**	**110770.**	**6753.2**
Stddev	5.5	216.	100.7
%RSD	.06605	.19503	1.4908
#1	8287.5	110620.	6824.3
#2	8295.3	110930.	6682.0

Sample Name: 48832-7 Acquired: 11/12/2013 1:54:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: Sr SDQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.48396**	**.01273**	**6.9328**	**.33970**	**-.00005**	**-.00072**	**225.93**	**.00029**	**.00082**
Stddev	.00023	.00109	.00112	.0092	.00183	.00010	.00030	.57	.00020	.00009
%RSD	111.27	.22484	8.8111	.13216	.53978	205.90	40.913	.25226	68.470	10.624
#1	-.00005	.48319	.01353	6.9393	.34099	.00002	-.00093	226.34	.00015	.00088
#2	-.00038	.48473	.01194	6.9263	.33840	-.00012	-.00051	225.53	.00043	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00495**	**.00238**	**26.396**	**81.687**	**.00508**	**64.805**	**1.2840**	**.00055**	**233.27**	**.00232**
Stddev	.00014	.00011	.035	.374	.00152	.317	.0038	.00003	.85	.00024
%RSD	2.8477	4.7194	.13288	.45814	29.874	.48989	.29886	4.6737	.36515	10.559
#1	.00485	.00246	26.421	81.951	.00616	65.030	1.2867	.00057	233.87	.00249
#2	.00505	.00230	26.371	81.422	.00401	64.581	1.2813	.00053	232.67	.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26434**	**.00007**	**31.020**	**-.00177**	**-.00183**	**2.9338**	**6.2784**	**.00084**	**1.7325**	**-.00178**
Stddev	.00200	.00100	.081	.00294	.00129	.0138	.0295	.00032	.0050	.00069
%RSD	.75762	1342.9	.26250	166.64	70.490	.46940	.46940	37.951	.28558	38.711
#1	.26293	-.00063	31.078	.00032	-.00092	2.9436	6.2992	.00106	1.7360	-.00129
#2	.26576	.00078	30.963	-.00385	-.00275	2.9241	6.2575	.00061	1.7290	-.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00659**	**.00198**	**.02723**	**.00210**	**.00057**	**.00691**
Stddev	.00116	.00033	.04457	.00025	.00058	.00143
%RSD	17.678	16.922	163.68	12.049	102.01	20.688
#1	.00741	.00222	-.00429	.00193	.00099	.00792
#2	.00576	.00174	.05875	.00228	.00016	.00590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8044.0**	**107300.**	**6760.9**
Stddev	14.1	334.	37.0
%RSD	.17521	.31108	.54653
#1	8053.9	107070.	6734.8
#2	8034.0	107540.	6787.0

Sample Name: 280-48718-g-1-c Acquired: 11/12/2013 1:56:51 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.56878**	**.00227**	**.37341**	**.10457**	**.00002**	**-.00280**	**39.042**	**.00019**	**.00183**
Stddev	.00044	.00029	.00188	.00224	.00051	.00002	.00374	.055	.00020	.00016
%RSD	58.407	.05140	82.652	.60106	.49126	124.29	133.54	.14030	103.35	8.6591
#1	.00107	.56899	.00095	.37500	.10493	.00000	-.00016	39.003	.00005	.00195
#2	.00044	.56858	.00360	.37183	.10421	.00003	-.00545	39.080	.00033	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.00314**	**1.1871**	**3.3169**	**.00290**	**22.227**	**1.4880**	**.00103**	**32.540**	**.00386**
Stddev	.00001	.00037	.0115	.0907	.00004	.053	.0008	.00000	.618	.00003
%RSD	1.1411	11.939	.96565	2.7342	1.5202	.23666	.05673	.03657	1.9002	.65437
#1	.00068	.00287	1.1952	3.3810	.00293	22.190	1.4874	.00103	32.978	.00388
#2	.00067	.00340	1.1790	3.2528	.00287	22.264	1.4886	.00103	32.103	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23915**	**-.00090**	**5.0035**	**-.00409**	**-.00093**	**6.3618**	**13.614**	**-.00013**	**.21159**	**.00061**
Stddev	.00353	.00030	.0120	.00121	.00323	.0687	.147	.00010	.00089	.00176
%RSD	1.4769	33.683	.24004	29.654	348.20	1.0797	1.0797	78.984	.41837	287.42
#1	.24165	-.00112	5.0120	-.00323	.00136	6.4104	13.718	-.00006	.21097	.00186
#2	.23665	-.00069	4.9950	-.00494	-.00321	6.3132	13.510	-.00020	.21222	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02946**	**-.00062**	**-.01610**	**.00680**	**.00650**	**.00363**
Stddev	.00037	.00010	.00918	.00003	.00032	.00124
%RSD	1.2554	15.483	57.002	.45131	4.9237	34.193
#1	.02972	-.00055	-.02258	.00677	.00627	.00275
#2	.02920	-.00069	-.00961	.00682	.00672	.00451
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.2**	**110730.**	**6669.1**
Stddev	26.2	123.	4.7
%RSD	.31554	.11134	.07079
#1	8271.7	110650.	6672.4
#2	8308.7	110820.	6665.7

Sample Name: 280-48718-g-2-c Acquired: 11/12/2013 1:59:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.01537**	**.00203**	**.00796**	**-.00003**	**.00003**	**.00065**	**.04336**	**.00007**	**.00024**
Stddev	.00017	.00000	.00090	.00070	.00015	.00001	.00081	.00187	.00004	.00005
%RSD	21.740	.01746	44.253	8.8100	480.32	47.881	124.34	4.3075	51.322	22.351
#1	.00092	.01537	.00267	.00846	.00008	.00003	.00122	.04204	.00010	.00028
#2	.00068	.01537	.00140	.00747	-.00014	.00002	.00008	.04468	.00005	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00113**	**.00715**	**.05115**	**-.00174**	**.01041**	**.00064**	**-.00012**	**.10183**	**.00052**
Stddev	.00010	.00016	.00207	.00265	.00084	.00106	.00001	.00019	.00951	.00032
%RSD	50.137	13.801	28.914	5.1846	48.284	10.154	1.1295	153.61	9.3389	62.270
#1	.00012	.00102	.00861	.04927	-.00115	.01116	.00064	-.00026	.10855	.00029
#2	.00026	.00124	.00569	.05302	-.00234	.00966	.00065	.00001	.09510	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.00010**	**.02411**	**-.00122**	**.00123**	**.12183**	**.26072**	**.00031**	**.00015**	**-.00072**
Stddev	.00061	.00116	.00020	.00172	.00018	.00971	.02079	.00041	.00004	.00206
%RSD	84.702	1143.7	.81873	141.02	14.290	7.9728	7.9728	132.18	27.492	287.05
#1	.00029	.00092	.02425	-.00244	.00135	.11496	.24602	.00002	.00012	-.00218
#2	.00115	-.00072	.02397	.00000	.00110	.12870	.27541	.00060	.00017	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00064**	**.00458**	**.00026**	**.00419**	**.00277**
Stddev	.00020	.00085	.01011	.00010	.00008	.00176
%RSD	58.237	133.63	220.73	39.232	1.8068	63.777
#1	-.00048	-.00124	.01172	.00034	.00425	.00152
#2	-.00020	-.00004	-.00257	.00019	.00414	.00401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8495.2**	**115060.**	**6637.4**
Stddev	27.5	591.	94.2
%RSD	.32426	.51398	1.4190
#1	8475.7	114650.	6570.8
#2	8514.7	115480.	6704.0

Sample Name: 280-48718-g-3-c Acquired: 11/12/2013 2:01:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.14247**	**.00247**	**.01413**	**.01462**	**-.00007**	**.00040**	**11.644**	**.00011**	**.00020**
Stddev	.00068	.00047	.00038	.00068	.00011	.00008	.00160	.030	.00011	.00018
%RSD	101.60	.32972	15.502	4.8426	.77694	116.35	394.30	.25946	99.049	93.780
#1	.00115	.14280	.00274	.01364	.01470	-.00012	-.00072	11.622	.00003	.00007
#2	.00019	.14213	.00220	.01461	.01454	-.00001	.00153	11.665	.00019	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00169**	**.53444**	**1.3339**	**.00174**	**4.3603**	**.06422**	**.00000**	**6.4872**	**.00076**
Stddev	.00001	.00061	.00419	.0578	.00209	.0067	.00019	.0002	.0193	.00035
%RSD	2.8432	36.055	.78380	4.3336	120.29	.15486	.30003	5355.4	.29732	45.184
#1	.00030	.00126	.53148	1.2931	.00026	4.3555	.06409	-.00012	6.5009	.00101
#2	.00029	.00212	.53741	1.3748	.00322	4.3650	.06436	.00011	6.4736	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07866**	**-.00111**	**1.3111**	**-.00118**	**-.00157**	**10.065**	**21.539**	**.00036**	**.05686**	**-.00178**
Stddev	.00120	.00056	.0083	.00011	.00288	.054	.116	.00129	.00064	.00039
%RSD	1.5193	50.562	.62976	9.1838	183.47	.53793	.53793	353.66	1.1237	21.710
#1	.07950	-.00071	1.3170	-.00126	.00047	10.027	21.457	-.00055	.05641	-.00151
#2	.07781	-.00151	1.3053	-.00111	-.00360	10.103	21.621	.00128	.05731	-.00206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00962**	**.00014**	**-.00136**	**.00201**	**.00365**	**.00406**
Stddev	.00023	.00053	.02697	.00007	.00006	.00058
%RSD	2.4292	366.69	1985.8	3.2486	1.7748	14.305
#1	.00946	-.00023	-.02043	.00205	.00369	.00365
#2	.00979	.00052	.01771	.00196	.00360	.00447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8427.4**	**113610.**	**6520.9**
Stddev	2.5	799.	23.9
%RSD	.03004	.70297	.36585
#1	8429.2	114170.	6504.1
#2	8425.6	113040.	6537.8

Sample Name: 280-48718-g-4-c Acquired: 11/12/2013 2:03:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.25617**	**.00051**	**.01438**	**.01831**	**-.00003**	**-.00220**	**15.016**	**.00012**	**.00021**
Stddev	.00020	.00012	.00063	.00026	.00005	.00007	.00247	.029	.00001	.00008
%RSD	53.983	.04728	124.48	1.7834	.28146	212.37	112.12	.19528	5.2488	36.492
#1	.00023	.25626	.00095	.01456	.01827	.00002	-.00395	14.996	.00012	.00015
#2	.00052	.25609	.00006	.01420	.01835	-.00008	-.00046	15.037	.00013	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00171**	**.75027**	**1.6742**	**-.00070**	**5.9604**	**.11056**	**.00011**	**7.9641**	**.00072**
Stddev	.00008	.00040	.00240	.0121	.00105	.0020	.00029	.00005	.0219	.00002
%RSD	16.339	23.490	.31936	.72284	150.89	.03362	.26164	46.950	.27552	3.1171
#1	.00055	.00200	.74857	1.6828	-.00144	5.9618	.11035	.00007	7.9486	.00071
#2	.00043	.00143	.75196	1.6657	.00005	5.9590	.11076	.00014	7.9796	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13052**	**-.00025**	**1.5473**	**-.00230**	**.00022**	**12.808**	**27.409**	**.00011**	**.06489**	**.00000**
Stddev	.00269	.00174	.0076	.00190	.00108	.031	.067	.00035	.00003	.0025
%RSD	2.0648	686.97	.48996	82.685	500.95	.24389	.24389	306.74	.04218	54585.
#1	.13242	-.00148	1.5527	-.00095	.00098	12.786	27.362	-.00013	.06487	-.00175
#2	.12861	.00097	1.5420	-.00364	-.00055	12.830	27.456	.00036	.06491	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01251**	**.00059**	**-.00781**	**.00279**	**.00596**	**.00269**
Stddev	.00002	.00089	.02040	.00016	.00023	.00091
%RSD	.15811	151.67	261.21	5.8481	3.8812	33.811
#1	.01253	-.00004	-.02224	.00268	.00579	.00205
#2	.01250	.00122	.00662	.00291	.00612	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8386.4**	**112290.**	**6529.8**
Stddev	25.3	420.	2.6
%RSD	.30130	.37417	.03969
#1	8368.5	112590.	6527.9
#2	8404.2	112000.	6531.6

Sample Name: 280-48718-g-5-c Acquired: 11/12/2013 2:06:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.13574**	**.00411**	**.01098**	**.01365**	**-.00007**	**-.00329**	**10.774**	**.00012**	**.00031**
Stddev	.00002	.00006	.00116	.00007	.00029	.00008	.00053	.029	.00005	.00004
%RSD	49.449	.04060	28.286	.60436	2.1308	101.73	16.046	.26548	40.267	11.541
#1	.00003	.13578	.00493	.01102	.01344	-.00013	-.00292	10.795	.00008	.00029
#2	.00006	.13571	.00329	.01093	.01386	-.00002	-.00366	10.754	.00015	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00164**	**.47229**	**1.2600**	**.00137**	**3.7734**	**.04365**	**.00025**	**6.1856**	**.00083**
Stddev	.00003	.00015	.00550	.0183	.00198	.0157	.00009	.00002	.0014	.00002
%RSD	8.4151	9.1440	1.1644	1.4526	144.39	.41703	.20341	6.4969	.02247	2.3791
#1	.00036	.00175	.47618	1.2729	-.00003	3.7845	.04358	.00024	6.1846	.00085
#2	.00032	.00154	.46840	1.2470	.00277	3.7623	.04371	.00026	6.1866	.00082
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04948**	**-.00087**	**1.2771**	**-.00128**	**.00065**	**9.3859**	**20.086**	**.00020**	**.05849**	**-.00072**
Stddev	.00086	.00048	.0026	.00132	.00136	.0929	.199	.00023	.00009	.00157
%RSD	1.7464	55.678	.20350	103.10	208.49	.98999	.98999	111.95	.16212	218.44
#1	.04887	-.00053	1.2789	-.00035	-.00031	9.4516	20.226	.00004	.05856	-.00183
#2	.05009	-.00121	1.2753	-.00221	.00161	9.3201	19.945	.00037	.05842	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00840**	**.00010**	**.01754**	**.00206**	**.00479**	**.00110**
Stddev	.00026	.00024	.00406	.00022	.00038	.00117
%RSD	3.1340	255.03	23.166	10.723	7.9404	105.92
#1	.00821	-.00008	.02041	.00191	.00506	.00193
#2	.00858	.00027	.01466	.00222	.00452	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8407.2**	**113270.**	**6546.8**
Stddev	39.4	401.	11.0
%RSD	.46858	.35429	.16830
#1	8379.3	112990.	6554.6
#2	8435.0	113560.	6539.1

Sample Name: 280-48718-g-5-cSD@5 Acquired: 11/12/2013 2:08:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.03360**	**.00138**	**.00400**	**.00299**	**-.00008**	**.00023**	**2.1598**	**-.00001**	**.00034**
Stddev	.00025	.00010	.00062	.00084	.00007	.00008	.00312	.0080	.00009	.00015
%RSD	55.655	.29340	44.905	20.982	2.4391	103.22	1335.0	.36909	1032.0	44.126
#1	.00027	.03367	.00094	.00460	.00304	-.00002	-.00197	2.1654	.00005	.00024
#2	.00061	.03353	.00182	.00341	.00294	-.00013	.00244	2.1541	-.00007	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00038**	**.10768**	**.21337**	**-.00350**	**.76332**	**.00900**	**-.00010**	**1.2353**	**.00068**
Stddev	.00007	.00024	.00108	.02212	.00289	.00275	.00002	.00030	.0040	.00016
%RSD	2890.4	61.876	1.0037	10.368	82.429	.36046	.17975	288.62	.32657	24.275
#1	-.00005	.00021	.10844	.19772	-.00146	.76527	.00899	.00011	1.2381	.00079
#2	.00006	.00055	.10691	.22901	-.00555	.76138	.00901	-.00032	1.2324	.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00602**	**.00009**	**.24888**	**-.00465**	**.00037**	**1.8583**	**3.9768**	**.00222**	**.01162**	**-.00060**
Stddev	.00083	.00004	.00196	.00361	.00309	.0135	.0289	.00036	.00016	.00045
%RSD	13.728	43.807	.78874	77.542	845.30	.72608	.72608	16.002	1.3413	75.220
#1	.00660	.00012	.25027	-.00721	-.00182	1.8678	3.9972	.00247	.01173	-.00028
#2	.00543	.00006	.24749	-.00210	.00255	1.8488	3.9563	.00197	.01151	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00131**	**-.00062**	**.01674**	**.00066**	**.00679**	**.00337**
Stddev	.00009	.00002	.02921	.00009	.00024	.00203
%RSD	6.7704	3.4889	174.43	13.595	3.5016	60.210
#1	.00125	-.00063	-.00391	.00072	.00662	.00481
#2	.00138	-.00060	.03740	.00059	.00695	.00194
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8359.2**	**112350.**	**6440.3**
Stddev	16.8	657.	7.9
%RSD	.20076	.58473	.12224
#1	8371.0	112820.	6434.7
#2	8347.3	111890.	6445.9

Sample Name: 280-48718-g-5-d ms Acquired: 11/12/2013 2:10:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04988**	**2.1539**	**.97652**	**.99581**	**1.9942**	**.04727**	F **2.2088**	**57.424**	**.10348**	**.47833**
Stddev	.00055	.0001	.00695	.00219	.0004	.00020	.0057	.207	.00026	.00090
%RSD	1.1046	.00345	.71182	.21964	.01894	.43290	.25897	.36025	.25282	.18764
#1	.05027	2.1539	.97160	.99427	1.9945	.04712	2.2047	57.278	.10366	.47770
#2	.04949	2.1540	.98143	.99736	1.9939	.04741	2.2128	57.570	.10329	.47897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19889**	**.25311**	**1.4099**	**52.311**	**.98289**	**52.194**	**.51974**	**.99774**	**58.316**	**.48542**
Stddev	.00041	.00003	.0025	.219	.00096	.176	.00007	.00060	.929	.00060
%RSD	.20471	.01308	.17716	.41796	.09782	.33797	.01442	.06048	1.5937	.12423
#1	.19860	.25313	1.4081	52.157	.98221	52.319	.51969	.99732	57.658	.48584
#2	.19918	.25309	1.4116	52.466	.98356	52.070	.51979	.99817	58.973	.48499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.013**	**.48079**	**1.1673**	**.47915**	**1.9473**	**18.778**	**40.185**	**1.9770**	**1.0358**	**.96997**
Stddev	.004	.00010	.0024	.00353	.0193	.108	.231	.0110	.0001	.00081
%RSD	.03663	.02123	.20430	.73707	.99353	.57486	.57486	.55764	.01345	.08341
#1	10.011	.48086	1.1656	.47666	1.9336	18.702	40.022	1.9692	1.0357	.96940
#2	10.016	.48071	1.1689	.48165	1.9610	18.855	40.349	1.9848	1.0359	.97054
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98123**	**1.9014**	**2.0816**	**.49616**	**.49321**	**.49734**
Stddev	.00055	.0122	.0258	.00142	.00109	.00386
%RSD	.05609	.64234	1.2383	.28603	.22125	.77555
#1	.98162	1.8928	2.0634	.49717	.49398	.49462
#2	.98084	1.9100	2.0998	.49516	.49244	.50007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8039.4**	**106820.**	**6423.3**
Stddev	12.6	566.	23.5
%RSD	.15648	.52999	.36597
#1	8030.5	106420.	6440.0
#2	8048.3	107220.	6406.7

Sample Name: 280-48718-g-5-e msd Acquired: 11/12/2013 2:12:59 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199768 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05097**	**2.1985**	**1.0041**	**1.0288**	**2.0478**	**.04873**	F **2.2699**	**59.170**	**.10641**	**.49100**
Stddev	.00039	.0014	.0052	.0006	.0029	.00016	.0025	.230	.00001	.00004
%RSD	.76548	.06249	.52041	.05626	.14406	.33327	.11179	.38818	.01193	.00780
#1	.05125	2.1975	1.0078	1.0292	2.0499	.04861	2.2681	59.332	.10642	.49098
#2	.05070	2.1995	1.0004	1.0284	2.0457	.04884	2.2717	59.008	.10640	.49103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20415**	**.26023**	**1.4431**	**53.830**	**1.0119**	**53.792**	**.53527**	**1.0278**	**60.389**	**.49774**
Stddev	.00017	.00105	.0115	.185	.0032	.060	.00243	.0009	.430	.00013
%RSD	.08155	.40174	.79584	.34324	.31804	.11123	.45437	.08521	.71286	.02639
#1	.20427	.26097	1.4350	53.961	1.0142	53.834	.53699	1.0284	60.085	.49765
#2	.20404	.25949	1.4513	53.699	1.0096	53.750	.53355	1.0272	60.694	.49783
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.269**	**.49201**	**1.2270**	**.49015**	**1.9928**	**19.695**	**42.147**	W **2.0311**	**1.0646**	**.99742**
Stddev	.015	.00029	.0009	.00173	.0034	.050	.108	.0003	.0011	.00293
%RSD	.14706	.05944	.07320	.35339	.16961	.25638	.25638	.01417	.10544	.29422
#1	10.258	.49221	1.2264	.49137	1.9952	19.659	42.070	2.0309	1.0654	.99949
#2	10.279	.49180	1.2277	.48892	1.9904	19.730	42.223	2.0313	1.0638	.99534
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0126**	**1.9392**	**2.1655**	**.50992**	**.50628**	**.51518**
Stddev	.0040	.0022	.0391	.00119	.00077	.00121
%RSD	.39646	.11130	1.8070	.23349	.15191	.23464
#1	1.0154	1.9376	2.1932	.50908	.50682	.51433
#2	1.0097	1.9407	2.1378	.51076	.50574	.51603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8024.0**	**106880.**	**6344.8**
Stddev	5.1	251.	84.0
%RSD	.06304	.23446	1.3246
#1	8027.6	106700.	6285.4
#2	8020.4	107060.	6404.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 2:15:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00760**	**51.361**	**-.00025**	**.00370**	**.00030**	**-.00008**	W **1.0900**	**.02785**	**-.00034**	**-.00037**	**.00002**	**.01243**
Stddev	.00024	.195	.00402	.00029	.00024	.00015	.0097	.00314	.00000	.00018	.00028	.00015
%RSD	3.1162	.38003	1612.7	7.7289	81.462	195.10	.89072	11.271	1.2426	47.909	1115.9	1.1739
#1	.00743	51.499	.00260	.00350	.00047	.00003	1.0969	.02563	-.00034	-.00024	.00022	.01253
#2	.00776	51.223	-.00309	.00390	.00013	-.00019	1.0831	.03007	-.00034	-.00049	-.00017	.01233
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.038**	**.07124**	**-.00287**	**.09101**	**.00085**	**.00038**	**269.10**	**.00003**	**-.00084**	**-.00031**	**5.1688**	**-.00293**
Stddev	.227	.02696	.00011	.00183	.00003	.00012	.42	.00029	.00076	.00010	.0557	.00073
%RSD	.45328	37.843	3.8226	2.0061	2.9807	30.361	.15486	1026.3	90.785	33.307	1.0776	24.969
#1	49.878	.09031	-.00295	.08972	.00087	.00030	268.80	.00024	-.00030	-.00024	5.2081	-.00345
#2	50.198	.05218	-.00280	.09230	.00083	.00046	269.39	-.00018	-.00137	-.00039	5.1294	-.00241
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00469**	**.01936**	**.04142**	**-.00005**	**.00046**	**5.0374**	**-.01267**	**.00206**	F **6.3767**	**.00152**	**.00149**	**.06097**
Stddev	.00113	.00040	.00087	.00113	.00008	.0032	.00009	.00052	.0253	.00051	.00030	.00126
%RSD	24.118	2.0921	2.0921	2196.1	17.300	.06318	.73025	25.111	.39733	33.317	20.178	2.0621
#1	-.00389	.01964	.04203	-.00085	.00041	5.0397	-.01274	.00169	6.3946	.00188	.00128	.06008
#2	-.00549	.01907	.04081	.00075	.00052	5.0351	-.01261	.00242	6.3588	.00116	.00170	.06186
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.0**	**108030.**	**6557.2**
Stddev	14.4	779.	3.2
%RSD	.17543	.72130	.04880
#1	8199.2	108580.	6559.4
#2	8178.8	107480.	6554.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 2:17:29 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51320**	**.54680**	**1.0229**	**.51942**	**.51379**	**.49490**	**-.00439**	**5.0969**	**.51753**	**.51636**	**.51842**	**.51759**	**2.4599**
Stddev	.00060	.00084	.0021	.00329	.00008	.00061	.00036	.0060	.00156	.00204	.00238	.00068	.0061
%RSD	.11657	.15289	.20143	.63361	.01548	.12260	8.2310	.11827	.30193	.39470	.45904	.13080	.24707
#1	.51363	.54621	1.0215	.51710	.51374	.49533	-.00464	5.0926	.51642	.51492	.51673	.51807	2.4642
#2	.51278	.54739	1.0244	.52175	.51385	.49447	-.00413	5.1012	.51863	.51780	.52010	.51711	2.4556
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.554**	**1.0179**	**20.385**	**.50479**	**.52324**	**5.2767**	**.52204**	**1.0330**	**1.0536**	**.00507**	**1.0340**	**1.0363**	**4.9431**
Stddev	.009	.0017	.029	.00088	.00041	.0149	.00208	.0034	.0010	.00056	.0019	.0034	.0410
%RSD	.01792	.16283	.14028	.17338	.07783	.28168	.39781	.32514	.09116	11.133	.18021	.32568	.82921
#1	52.561	1.0167	20.365	.50417	.52352	5.2873	.52058	1.0353	1.0543	.00467	1.0327	1.0339	4.9141
#2	52.548	1.0191	20.406	.50541	.52295	5.2662	.52351	1.0306	1.0530	.00547	1.0353	1.0386	4.9720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.578**	**1.0480**	**.50947**	**-.00384**	**.50127**	**1.0555**	**.01124**	**.50840**	**.51735**	**.50456**
Stddev	.088	.0023	.00045	.00109	.00062	.0005	.01335	.00040	.00000	.00519
%RSD	.82921	.21906	.08798	28.401	.12433	.04502	118.79	.07853	.00077	1.0279
#1	10.516	1.0463	.50979	-.00462	.50083	1.0558	.00180	.50868	.51736	.50089
#2	10.640	1.0496	.50916	-.00307	.50172	1.0551	.02068	.50811	.51735	.50822
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8288.2**	**111310.**	**6566.5**
Stddev	19.2	129.	29.9
%RSD	.23215	.11605	.45468
#1	8301.8	111400.	6587.6
#2	8274.6	111220.	6545.3

Sample Name: CCB Acquired: 11/12/2013 2:19:37 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00326**	**.00153**	**.00189**	**-.00022**	**.00008**	**-.00119**	**.00477**	**.00013**	**.00020**	**.00004**	**-.00008**
Stddev	.00072	.00039	.00022	.00010	.00011	.00005	.00008	.00183	.00019	.00003	.00003	.00011
%RSD	129.83	12.056	14.378	5.4035	51.945	64.912	6.8721	38.382	143.51	14.826	66.116	134.18
#1	.00005	-.00298	.00138	.00182	-.00030	.00011	-.00125	.00347	.00027	.00018	.00006	.00000
#2	.00106	-.00353	.00169	.00196	-.00014	.00004	-.00113	.00606	.00000	.00022	.00002	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.01898**	**-.00232**	**.00188**	**.00014**	**.00037**	**-.00952**	**.00045**	**-.00527**	**.00047**	**.01116**	W **.00470**
Stddev	.00153	.01817	.00139	.00113	.00002	.00013	.01867	.00005	.00036	.00050	.00357	.00034
%RSD	129.13	95.741	59.900	60.232	12.202	36.063	196.13	10.914	6.9210	105.64	31.991	7.2446
#1	-.00226	.03183	-.00331	.00108	.00013	.00047	.00368	.00042	-.00501	.00012	.00863	.00446
#2	-.00010	.00613	-.00134	.00268	.00015	.00028	-.02272	.00049	-.00552	.00082	.01368	.00494
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00127**	**.00890**	**.01905**	**.00041**	**.00013**	**-.00103**	**-.00032**	**-.00060**	**.03877**	**.00071**	**.00310**	**.00065**
Stddev	.00079	.00872	.01866	.00022	.00009	.00159	.00025	.00059	.01264	.00013	.00020	.00122
%RSD	62.675	97.933	97.933	54.945	72.927	154.18	78.388	98.154	32.614	17.995	6.5672	188.60
#1	.00071	.01507	.03225	.00025	.00020	.00009	-.00014	-.00102	.04771	.00062	.00324	-.00022
#2	.00183	.00274	.00586	.00056	.00006	-.00216	-.00049	-.00018	.02983	.00080	.00296	.00151
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8343.4**	**112760.**	**6461.7**
Stddev	19.2	677.	23.4
%RSD	.22982	.60025	.36189
#1	8329.8	113240.	6445.1
#2	8356.9	112280.	6478.2

Sample Name: CCVL2372865 Acquired: 11/12/2013 2:21:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01103**	**.11139**	**.01568**	**.10351**	**.01030**	**.00099**	**.12654**	**.22150**	**.00538**	**.01089**	**.01052**	**.01561**	**.10256**
Stddev	.00062	.00031	.00223	.00010	.00048	.00006	.00124	.00185	.00001	.00007	.00014	.00014	.00497
%RSD	5.5914	.28158	14.200	.09287	4.6444	6.1899	.98267	.83717	.10516	.67201	1.2942	.88481	4.8463
#1	.01147	.11116	.01411	.10358	.00996	.00094	.12742	.22019	.00538	.01094	.01042	.01551	.10607
#2	.01059	.11161	.01726	.10344	.01064	.00103	.12566	.22281	.00537	.01083	.01062	.01571	.09904
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1551**	F **.00685**	**.21325**	**.01043**	**.02069**	**1.0725**	**.04296**	**3.0293**	**.00887**	**.01117**	**.00960**	**.01470**	**.49327**
Stddev	.0015	.00294	.00407	.00008	.00014	.0213	.00001	.0043	.00003	.00272	.00024	.00060	.01011
%RSD	.04865	42.989	1.9080	.78769	.69282	1.9824	.01478	.14313	.28199	24.329	2.4644	4.0555	2.0499
#1	3.1561	.00893	.21037	.01049	.02059	1.0575	.04296	3.0262	.00885	.01309	.00943	.01512	.48612
#2	3.1540	.00477	.21613	.01037	.02079	1.0876	.04297	3.0323	.00889	.00924	.00976	.01428	.50042
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0556**	**.10684**	**.01029**	**.01598**	**.00932**	**.01617**	**.06164**	**.01042**	**.02568**	**.01641**
Stddev	.0216	.00095	.00014	.00081	.00029	.00092	.01281	.00045	.00007	.00170
%RSD	2.0499	.89241	1.3602	5.0916	3.1317	5.6724	20.788	4.3384	.27278	10.357
#1	1.0403	.10751	.01019	.01655	.00912	.01552	.05258	.01074	.02563	.01521
#2	1.0709	.10616	.01039	.01540	.00953	.01682	.07070	.01010	.02573	.01761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8393.5**	**113100.**	**6476.7**
Stddev	18.0	187.	29.3
%RSD	.21420	.16499	.45229
#1	8406.2	113240.	6456.0
#2	8380.8	112970.	6497.4

Sample Name: mb 280-200232/1-a Acquired: 11/12/2013 2:24:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00064**	**-.00290**	**-.00043**	**.00123**	**-.00043**	**-.00004**	**-.00008**	**.01396**	**.00008**	**.00026**
Stddev	.00032	.00015	.00069	.00040	.00008	.00008	.00017	.00216	.00008	.00001
%RSD	50.251	5.2840	160.46	32.745	18.598	211.41	203.35	15.468	104.01	3.0263
#1	.00087	-.00279	-.00092	.00152	-.00038	.00002	-.00020	.01243	.00002	.00026
#2	.00041	-.00301	.00006	.00095	-.00049	-.00009	.00004	.01549	.00014	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00001**	**-.00089**	**-.01568**	**-.00172**	**.00098**	**.00015**	**-.00016**	**-.01599**	**.00035**
Stddev	.00009	.00003	.00026	.00898	.00014	.00252	.00000	.00010	.00130	.00002
%RSD	132.10	258.44	29.020	57.303	7.9126	257.02	2.0003	61.710	8.1201	4.5025
#1	.00013	-.00004	-.00107	-.02203	-.00181	-.00080	.00015	-.00009	-.01691	.00036
#2	.00000	.00001	-.00070	-.00932	-.00162	.00276	.00015	-.00023	-.01507	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00258**	**-.00047**	F **.01119**	**-.00204**	**-.00244**	**.00913**	**.01954**	**.00051**	**.00009**	W **.00076**
Stddev	.00007	.00026	.00103	.00127	.00270	.00271	.00580	.00021	.00001	.00174
%RSD	2.7304	54.675	9.2253	62.481	110.90	29.668	29.668	41.633	7.6055	229.86
#1	-.00263	-.00065	.01192	-.00294	-.00053	.01104	.02363	.00036	.00009	.00199
#2	-.00253	-.00029	.01046	-.00114	-.00435	.00721	.01544	.00065	.00008	-.00047
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**-.00059**	**.01305**	**.00041**	W **.00521**	**-.00009**
Stddev	.00035	.00086	.07263	.00014	.00028	.00112
%RSD	76.622	147.08	556.54	33.707	5.4395	1186.1
#1	-.00070	-.00119	-.03830	.00051	.00501	.00070
#2	-.00021	.00002	.06440	.00032	.00541	-.00089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8457.2**	**114870.**	**6547.2**
Stddev	21.9	87.	22.3
%RSD	.25944	.07597	.33986
#1	8472.7	114930.	6563.0
#2	8441.7	114810.	6531.5

Sample Name: lcs 280-200232/2-a Acquired: 11/12/2013 2:26:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05276**	**2.0524**	**1.0208**	**1.0407**	**2.0913**	**.05037**	**2.3396**	**49.711**	**.10950**	**.50397**
Stddev	.00006	.0049	.0002	.0008	.0007	.00011	.0019	.122	.00001	.00059
%RSD	.10443	.23859	.02149	.08140	.03393	.21771	.08284	.24453	.00988	.11777
#1	.05272	2.0559	1.0207	1.0413	2.0919	.05029	2.3382	49.625	.10951	.50439
#2	.05280	2.0490	1.0210	1.0401	2.0908	.05044	2.3410	49.797	.10949	.50355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20820**	**.26595**	**.98690**	**53.520**	**1.0316**	**50.826**	**.50345**	**1.0415**	**55.573**	**.50957**
Stddev	.00025	.00003	.00747	.186	.0004	.113	.00106	.0010	.178	.00034
%RSD	.12194	.01125	.75665	.34800	.04186	.22139	.20959	.09128	.32054	.06589
#1	.20838	.26597	.98162	53.652	1.0313	50.905	.50419	1.0422	55.447	.50933
#2	.20802	.26593	.99218	53.388	1.0319	50.746	.50270	1.0408	55.699	.50980
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.504**	**.50617**	**.00048**	**.50346**	**2.0507**	**10.018**	**21.438**	**2.0556**	**1.0342**	**1.0310**
Stddev	.016	.00189	.00206	.00264	.0070	.018	.039	.0060	.0001	.0042
%RSD	.15347	.37279	431.54	.52354	.34387	.18346	.18346	.29003	.00609	.40772
#1	10.515	.50751	-.00098	.50159	2.0457	10.005	21.410	2.0514	1.0342	1.0340
#2	10.492	.50484	.00193	.50532	2.0557	10.031	21.466	2.0599	1.0343	1.0281
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0166**	**2.0020**	**2.1921**	**.51641**	**.50816**	**.52683**
Stddev	.0003	.0083	.0361	.00112	.00290	.00195
%RSD	.02979	.41198	1.6487	.21747	.57085	.36929
#1	1.0164	1.9962	2.2177	.51562	.50611	.52546
#2	1.0168	2.0078	2.1666	.51721	.51021	.52821
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8174.9**	**109430.**	**6590.2**
Stddev	6.3	268.	27.2
%RSD	.07722	.24510	.41267
#1	8170.4	109620.	6571.0
#2	8179.3	109240.	6609.4

Sample Name: 280-48963-c-2-a Acquired: 11/12/2013 2:28:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00022**	**3.3199**	**.00247**	**.01541**	**.05547**	**.00015**	**-.00469**	**29.331**	**.00045**	**.00166**
Stddev	.00033	.0146	.00278	.00079	.00003	.00010	.00062	.097	.00005	.00017
%RSD	150.96	.43915	112.20	5.1063	.04995	67.202	13.277	.32923	11.675	10.465
#1	-.00001	3.3096	.00444	.01597	.05545	.00022	-.00425	29.263	.00041	.00178
#2	.00045	3.3302	.00051	.01486	.05549	.00008	-.00513	29.399	.00048	.00154
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**.02876**	**3.4917**	**2.6942**	**.00781**	**6.9742**	**.22910**	**.00706**	**18.900**	**.00569**
Stddev	.00002	.00015	.0127	.0055	.00304	.0004	.00033	.00000	.088	.00000
%RSD	.66069	.52116	.36288	.20548	38.864	.00498	.14415	.00005	.46390	.08477
#1	.00317	.02887	3.5006	2.6981	.00566	6.9744	.22887	.00706	18.838	.00570
#2	.00314	.02865	3.4827	2.6903	.00996	6.9739	.22933	.00706	18.962	.00569
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05558**	**.01662**	**15.328**	**-.00123**	**.00156**	**9.6115**	**20.569**	**.00168**	**.20021**	**.00205**
Stddev	.00066	.00046	.031	.00076	.00007	.0890	.190	.00093	.00051	.00285
%RSD	1.1917	2.7680	.19993	61.653	4.6439	.92606	.92606	55.549	.25669	139.45
#1	.05511	.01630	15.306	-.00176	.00151	9.6744	20.703	.00102	.20057	.00406
#2	.05605	.01695	15.350	-.00069	.00162	9.5485	20.434	.00234	.19985	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08431**	**.00140**	**-.00797**	**.00560**	**.04433**	**.00518**
Stddev	.00037	.00054	.01460	.00020	.00010	.00022
%RSD	.44208	38.853	183.12	3.6176	.21847	4.1580
#1	.08405	.00178	-.01830	.00574	.04440	.00533
#2	.08458	.00101	.00235	.00546	.04426	.00502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8487.0**	**113300.**	**6739.2**
Stddev	29.5	108.	14.8
%RSD	.34814	.09513	.21905
#1	8466.1	113370.	6749.7
#2	8507.9	113220.	6728.8

Sample Name: 280-48963-c-2-aSD@5 Acquired: 11/12/2013 2:30:57 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00052**	**.71826**	**.00080**	**.00408**	**.01177**	**.00002**	**-.00003**	**6.2084**	**.00000**	**.00033**
Stddev	.00038	.00080	.00014	.00041	.00020	.00003	.00082	.0769	.00004	.00015
%RSD	72.660	.11097	17.338	10.141	1.6973	163.04	2691.7	1.2391	853.00	46.107
#1	.00079	.71882	.00071	.00438	.01163	.00004	.00055	6.1540	.00003	.00023
#2	.00026	.71770	.00090	.00379	.01191	.00000	-.00061	6.2628	-.00002	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00059**	**.00620**	**.74856**	**.49847**	**.00210**	**1.4749**	**.04864**	**.00145**	**3.7033**	**.00175**
Stddev	.00007	.00059	.00904	.03586	.00034	.0085	.00012	.00002	.0345	.00005
%RSD	12.181	9.4584	1.2077	7.1941	16.003	.57435	.24516	1.2558	.93129	2.6417
#1	.00064	.00578	.74217	.52383	.00234	1.4809	.04872	.00146	3.6789	.00178
#2	.00054	.00661	.75496	.47311	.00186	1.4689	.04855	.00144	3.7277	.00171
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00900**	**.00280**	**3.1638**	**-.00077**	**.00117**	**2.0129**	**4.3076**	**.00211**	**.04282**	**-.00118**
Stddev	.00141	.00162	.0106	.00022	.00069	.0147	.0315	.00011	.00003	.00137
%RSD	15.692	58.060	.33573	28.726	58.477	.73085	.73085	5.0015	.06387	116.27
#1	.01000	.00165	3.1563	-.00093	.00069	2.0233	4.3299	.00203	.04280	-.00021
#2	.00800	.00395	3.1713	-.00061	.00166	2.0025	4.2853	.00218	.04284	-.00214
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01603**	**-.00017**	**.00652**	**.00143**	**.01475**	**.00401**
Stddev	.00025	.00025	.01493	.00011	.00006	.00154
%RSD	1.5461	145.99	229.07	7.5328	.41091	38.465
#1	.01585	-.00034	.01708	.00135	.01480	.00510
#2	.01620	.00001	-.00404	.00151	.01471	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8571.5**	**115760.**	**6670.3**
Stddev	17.1	728.	26.6
%RSD	.19971	.62913	.39949
#1	8583.6	115250.	6689.1
#2	8559.4	116280.	6651.4

Sample Name: 280-48963-c-2-b ms Acquired: 11/12/2013 2:33:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05144**	**6.5139**	**1.0044**	**1.0222**	**2.1178**	**.04894**	F **2.2672**	**77.410**	**.10683**	**.49170**
Stddev	.00086	.0222	.0004	.0003	.0007	.00027	.0030	.011	.00010	.00064
%RSD	1.6711	.34147	.04141	.03251	.03214	.55757	.13120	.01479	.09097	.13087
#1	.05083	6.5296	1.0041	1.0220	2.1183	.04913	2.2651	77.402	.10689	.49124
#2	.05205	6.4982	1.0047	1.0225	2.1173	.04875	2.2693	77.418	.10676	.49215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20657**	**.28935**	**4.3656**	**55.594**	**1.0263**	**56.598**	**.71828**	**1.0209**	**72.102**	**.50054**
Stddev	.00047	.00037	.0001	.022	.0007	.005	.00130	.0009	.080	.00076
%RSD	.22896	.12842	.00183	.03890	.06383	.00838	.18082	.09083	.11074	.15117
#1	.20624	.28961	4.3655	55.578	1.0258	56.595	.71920	1.0202	72.045	.50107
#2	.20691	.28909	4.3656	55.609	1.0267	56.602	.71736	1.0215	72.158	.50000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.338**	**.50563**	**15.389**	**.49131**	**1.9866**	**20.983**	**44.903**	**1.9923**	**1.2164**	**1.0115**
Stddev	.028	.00032	.008	.00101	.0042	.009	.020	.0054	.0006	.0002
%RSD	.27154	.06265	.05503	.20655	.21231	.04420	.04420	.27217	.04883	.02031
#1	10.318	.50541	15.383	.49203	1.9836	20.976	44.889	1.9884	1.2168	1.0113
#2	10.358	.50586	15.395	.49059	1.9896	20.989	44.917	1.9961	1.2160	1.0116
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0826**	**1.9286**	**2.1701**	**.51591**	**.54053**	**.51156**
Stddev	.0006	.0000	.0279	.00217	.00107	.00216
%RSD	.05991	.00088	1.2834	.42087	.19863	.42230
#1	1.0831	1.9286	2.1898	.51437	.53977	.51308
#2	1.0822	1.9286	2.1504	.51745	.54129	.51003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8181.6**	**108490.**	**6628.8**
Stddev	26.8	268.	68.7
%RSD	.32795	.24740	1.0368
#1	8200.6	108300.	6677.4
#2	8162.7	108680.	6580.2

Sample Name: 280-48963-c-2-c msd Acquired: 11/12/2013 2:35:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**6.3166**	**.98699**	**1.0095**	**2.0731**	**.04825**	F **2.2304**	**75.612**	**.10552**	**.48305**
Stddev	.00130	.0465	.00232	.0037	.0024	.00006	.0126	.172	.00041	.00051
%RSD	2.5329	.73643	.23478	.36259	.11410	.13462	.56560	.22710	.39057	.10660
#1	.05214	6.3495	.98535	1.0069	2.0714	.04821	2.2215	75.734	.10522	.48269
#2	.05030	6.2837	.98863	1.0121	2.0748	.04830	2.2394	75.491	.10581	.48342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20258**	**.28370**	**4.2544**	**54.602**	**1.0063**	**55.522**	**.70062**	**1.0083**	**70.532**	**.49200**
Stddev	.00037	.00112	.0023	.022	.0021	.111	.00032	.0022	.134	.00097
%RSD	.18036	.39348	.05387	.03981	.20857	.19929	.04599	.21542	.19016	.19814
#1	.20232	.28449	4.2560	54.617	1.0078	55.600	.70085	1.0067	70.438	.49131
#2	.20284	.28291	4.2528	54.586	1.0048	55.444	.70039	1.0098	70.627	.49269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.154**	**.49545**	**14.840**	**.48523**	**1.9618**	**20.787**	**44.484**	**1.9694**	**1.1884**	**.99215**
Stddev	.022	.00141	.028	.00056	.0144	.126	.269	.0063	.0008	.00194
%RSD	.21961	.28478	.18823	.11478	.73353	.60546	.60546	.32254	.06903	.19571
#1	10.138	.49445	14.820	.48484	1.9516	20.876	44.675	1.9649	1.1878	.99077
#2	10.170	.49645	14.859	.48562	1.9720	20.698	44.294	1.9739	1.1890	.99352
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0704**	**1.8920**	**2.1181**	**.50496**	**.52870**	**.51204**
Stddev	.0013	.0070	.0183	.00065	.00042	.00411
%RSD	.12169	.37091	.86234	.12875	.08008	.80208
#1	1.0694	1.8870	2.1310	.50542	.52840	.51494
#2	1.0713	1.8969	2.1052	.50450	.52900	.50913
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8195.1**	**109120.**	**6608.3**
Stddev	.5	671.	2.3
%RSD	.00574	.61494	.03528
#1	8194.7	109600.	6606.6
#2	8195.4	108650.	6609.9

Sample Name: 280-48983-f-1-a Acquired: 11/12/2013 2:37:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00088**	**.21268**	**-.00069**	**.01342**	**.06495**	**-.00002**	**-.00232**	**38.822**	**.00004**	**.00011**
Stddev	.00019	.00123	.00162	.00039	.00049	.00011	.00047	.062	.00000	.00007
%RSD	21.654	.57856	233.70	2.8720	.75962	470.20	20.169	.16094	.10688	62.271
#1	.00074	.21181	-.00184	.01369	.06460	-.00011	-.00265	38.778	.00004	.00016
#2	.00101	.21355	.00045	.01314	.06530	.00006	-.00199	38.866	.00004	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00072**	**.18663**	**1.3873**	**.00813**	**8.1670**	**.01669**	**.00137**	**11.914**	**.00090**
Stddev	.00004	.00020	.00032	.0244	.00397	.0235	.00003	.00003	.088	.00008
%RSD	9.4919	26.902	.17186	1.7552	48.822	.28734	.17841	2.2976	.73650	9.3466
#1	.00043	.00086	.18640	1.4045	.01093	8.1836	.01671	.00139	11.852	.00096
#2	.00049	.00059	.18686	1.3701	.00532	8.1504	.01667	.00134	11.976	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**-.00087**	**16.615**	**-.00159**	**-.00125**	**6.1097**	**13.075**	**.00010**	**.33234**	**.00084**
Stddev	.00017	.00137	.036	.00078	.00271	.0503	.108	.00051	.00117	.00115
%RSD	4.9286	157.00	.21849	49.266	216.25	.82302	.82302	492.11	.35170	136.33
#1	.00350	-.00184	16.641	-.00214	.00066	6.0742	12.999	.00046	.33151	.00003
#2	.00327	.00010	16.590	-.00103	-.00317	6.1453	13.151	-.00026	.33317	.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00474**	**.00111**	**.01856**	**.00115**	**.00293**	**.00386**
Stddev	.00029	.00030	.00480	.00031	.00030	.00003
%RSD	6.1012	27.023	25.870	26.753	10.280	.87395
#1	.00494	.00132	.02196	.00136	.00271	.00388
#2	.00453	.00090	.01517	.00093	.00314	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8424.3**	**113620.**	**6764.4**
Stddev	5.3	371.	19.5
%RSD	.06278	.32622	.28896
#1	8428.1	113360.	6778.3
#2	8420.6	113880.	6750.6

Sample Name: 280-48983-f-1-b ms Acquired: 11/12/2013 2:39:47 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05190**	**2.2154**	W **2.4588**	**1.0058**	**1.0188**	**2.0911**	**.04858**	F **2.2711**	**85.842**	**.10654**
Stddev	.00072	.0074	.0189	.0016	.0016	.0018	.00008	.0034	.041	.00031
%RSD	1.3935	.33356	.76722	.15987	.15422	.08740	.16717	.15182	.04781	.28978
#1	.05241	2.2102	2.4454	1.0069	1.0177	2.0924	.04853	2.2735	85.871	.10676
#2	.05139	2.2207	2.4721	1.0047	1.0199	2.0898	.04864	2.2686	85.813	.10632
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48639**	**.20233**	**.26010**	**1.1479**	**53.430**	**1.0127**	**57.270**	**.50509**	**1.0120**	**65.387**
Stddev	.00066	.00058	.00037	.0038	.057	.0018	.008	.00003	.0018	.501
%RSD	.13508	.28666	.14059	.33386	.10610	.17835	.01379	.00570	.18065	.76609
#1	.48686	.20192	.25985	1.1452	53.390	1.0140	57.264	.50507	1.0133	65.032
#2	.48593	.20274	.26036	1.1506	53.470	1.0115	57.275	.50511	1.0107	65.741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49256**	W **10.315**	**.48545**	**16.735**	**.48947**	**1.9890**	**15.821**	**33.858**	**1.9784**	**1.3298**
Stddev	.00126	.000	.00129	.018	.00108	.0049	.020	.042	.0006	.0000
%RSD	.25574	.00324	.26606	.10694	.22129	.24597	.12532	.12532	.02866	.00161
#1	.49167	10.315	.48454	16.748	.49023	1.9924	15.835	33.888	1.9780	1.3298
#2	.49345	10.315	.48636	16.723	.48870	1.9855	15.807	33.828	1.9788	1.3298
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0003**	**.99272**	**1.9134**	**2.1390**	**.50436**	**.49166**	**.50693**
Stddev	.0027	.00112	.0002	.0393	.00271	.00324	.00099
%RSD	.27448	.11303	.01120	1.8377	.53681	.65871	.19584
#1	1.0023	.99193	1.9135	2.1112	.50245	.48937	.50763
#2	.99839	.99352	1.9132	2.1668	.50628	.49395	.50623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8196.3**	**109360.**	**6677.9**
Stddev	23.6	696.	50.5
%RSD	.28782	.63612	.75601
#1	8213.0	109850.	6713.6
#2	8179.6	108870.	6642.2

Sample Name: 280-48983-f-1-c msd Acquired: 11/12/2013 2:41:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**2.1722**	W **2.3817**	**.98614**	**1.0151**	**2.0855**	**.04837**	F **2.2448**	**85.254**	**.10503**
Stddev	.00028	.0019	.0302	.00030	.0002	.0157	.00047	.0023	.839	.00022
%RSD	.55703	.08881	1.2661	.03036	.01578	.75412	.97089	.10243	.98455	.21179
#1	.05043	2.1708	2.4031	.98636	1.0150	2.0967	.04870	2.2464	85.847	.10487
#2	.05083	2.1735	2.3604	.98593	1.0152	2.0744	.04803	2.2431	84.660	.10518
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48063**	**.19939**	**.25677**	**1.1356**	**53.325**	**1.0100**	**56.145**	**.49787**	**1.0051**	**65.755**
Stddev	.00009	.00005	.00117	.0112	.585	.0060	.116	.00006	.0025	.673
%RSD	.01933	.02345	.45616	.98949	1.0962	.58958	.20689	.01147	.24493	1.0242
#1	.48057	.19936	.25595	1.1435	53.738	1.0142	56.227	.49791	1.0068	66.232
#2	.48070	.19943	.25760	1.1276	52.911	1.0057	56.063	.49783	1.0034	65.279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48617**	W **10.183**	**.47980**	**16.517**	**.48761**	**1.9686**	**15.774**	**33.756**	**1.9649**	**1.3243**
Stddev	.00003	.001	.00048	.041	.00201	.0021	.274	.587	.0036	.0123
%RSD	.00630	.00739	.10070	.24736	.41266	.10528	1.7401	1.7401	.18435	.93091
#1	.48620	10.183	.48014	16.488	.48903	1.9700	15.968	34.171	1.9624	1.3331
#2	.48615	10.184	.47946	16.546	.48619	1.9671	15.580	33.341	1.9675	1.3156
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99044**	**.98583**	**1.8885**	**2.1184**	**.49791**	**.48313**	**.50724**
Stddev	.00091	.00020	.0002	.0041	.00007	.00191	.00815
%RSD	.09143	.02069	.01189	.19479	.01408	.39584	1.6066
#1	.98980	.98598	1.8883	2.1214	.49796	.48448	.51300
#2	.99108	.98569	1.8886	2.1155	.49786	.48177	.50147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8278.7**	**110220.**	**6652.4**
Stddev	2.8	485.	141.2
%RSD	.03345	.43995	2.1231
#1	8276.7	109870.	6552.5
#2	8280.6	110560.	6752.3

Sample Name: CCVH-2372891 Acquired: 11/12/2013 2:43:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**50.547**	**.00160**	**.00274**	**.00020**	**-.00007**	W **1.0890**	**.04194**	**-.00001**	**-.00016**	**-.00004**	**.01110**
Stddev	.00039	.091	.00083	.00093	.00016	.00014	.0030	.01820	.00018	.00013	.00010	.00019
%RSD	5.1549	.18067	52.087	34.098	82.477	218.93	.27348	43.384	1469.3	81.693	259.52	1.6844
#1	.00791	50.612	.00219	.00339	.00032	-.00017	1.0911	.05481	-.00014	-.00025	.00003	.01123
#2	.00735	50.483	.00101	.00208	.00008	.00004	1.0869	.02908	.00011	-.00007	-.00011	.01097
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.624**	**.09600**	**.00018**	**.08788**	**.00074**	**.00025**	**265.24**	**.00029**	**-.00018**	**-.00075**	**5.1895**	**.00062**
Stddev	.652	.05131	.00068	.00110	.00002	.00008	.62	.00004	.00066	.00067	.0147	.00234
%RSD	1.3400	53.448	370.75	1.2503	2.8405	32.450	.23320	13.733	365.05	89.195	.28234	379.32
#1	49.084	.05972	-.00030	.08865	.00076	.00031	265.67	.00032	.00029	-.00028	5.1792	.00228
#2	48.163	.13228	.00067	.08710	.00073	.00019	264.80	.00026	-.00065	-.00122	5.1999	-.00104
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00545**	**.02345**	**.05018**	**.00025**	**.00053**	**4.9867**	**-.01241**	**.00166**	F **5.3876**	**.00112**	**.00104**	**.05612**
Stddev	.00208	.01316	.02816	.00001	.00039	.0083	.00007	.00116	.0139	.00010	.00011	.00209
%RSD	38.216	56.111	56.111	4.1157	73.378	.16649	.59139	69.774	.25745	9.0449	10.491	3.7175
#1	-.00693	.03275	.07009	.00025	.00081	4.9808	-.01246	.00247	5.3974	.00105	.00112	.05760
#2	-.00398	.01415	.03027	.00026	.00026	4.9925	-.01235	.00084	5.3778	.00119	.00097	.05465
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8377.1**	**111030.**	**6810.3**
Stddev	14.0	297.	30.4
%RSD	.16696	.26746	.44606
#1	8387.0	111240.	6788.8
#2	8367.2	110820.	6831.8

Sample Name: CCV-2372889 Acquired: 11/12/2013 2:46:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50057**	**.52379**	**.99928**	**.51104**	**.50258**	**.48383**	**-.00326**	**4.9214**	**.50711**	**.50475**	**.50413**	**.50915**	**2.3901**
Stddev	.00108	.00077	.00694	.00455	.00124	.00061	.00189	.0502	.00210	.00088	.00123	.00189	.0164
%RSD	.21587	.14737	.69440	.88976	.24602	.12567	57.944	1.0191	.41323	.17428	.24362	.37151	.68531
#1	.50134	.52433	1.0042	.51426	.50171	.48340	-.00192	4.9569	.50860	.50537	.50500	.51048	2.4017
#2	.49981	.52324	.99437	.50783	.50346	.48426	-.00460	4.8859	.50563	.50413	.50327	.50781	2.3785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.955**	**.99188**	**19.601**	**.49320**	**.51079**	**5.1622**	**.51005**	**1.0102**	**1.0277**	**.00571**	**1.0334**	**1.0125**	**4.7655**
Stddev	.018	.00118	.035	.00051	.00082	.0041	.00456	.0022	.0007	.00145	.0036	.0019	.0585
%RSD	.03572	.11900	.18108	.10282	.16082	.07879	.89337	.21708	.06896	25.454	.35002	.18852	1.2271
#1	50.942	.99104	19.626	.49356	.51137	5.1593	.51327	1.0118	1.0282	.00674	1.0360	1.0139	4.8069
#2	50.968	.99271	19.575	.49285	.51021	5.1650	.50682	1.0087	1.0272	.00468	1.0309	1.0112	4.7241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.198**	**1.0128**	**.49872**	**-.00449**	**.49206**	**1.0348**	**-.00063**	**.49530**	**.49453**	**.49172**
Stddev	.125	.0007	.00115	.00091	.00030	.0055	.02259	.00049	.00128	.00535
%RSD	1.2271	.07135	.23081	20.322	.06039	.52963	3572.8	.09978	.25884	1.0887
#1	10.287	1.0122	.49790	-.00513	.49227	1.0387	.01534	.49565	.49363	.49551
#2	10.110	1.0133	.49953	-.00384	.49185	1.0309	-.01660	.49495	.49544	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8564.3**	**114780.**	**6914.8**
Stddev	9.4	115.	62.4
%RSD	.10971	.10034	.90232
#1	8557.6	114860.	6870.7
#2	8570.9	114700.	6958.9

Sample Name: CCB Acquired: 11/12/2013 2:48:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**-.00407**	**.00131**	**.00141**	**-.00035**	**.00010**	**.00040**	**.00881**	**-.00011**	**.00024**	**.00006**	**-.00012**
Stddev	.00005	.00009	.00227	.00001	.00010	.00017	.00092	.00461	.00009	.00023	.00010	.00041
%RSD	19.610	2.2290	173.01	.73444	29.286	163.50	233.32	52.315	80.545	93.762	164.12	356.54
#1	.00029	-.00400	.00292	.00142	-.00027	.00022	-.00026	.01207	-.00018	.00040	-.00001	-.00041
#2	.00022	-.00413	-.00029	.00140	-.00042	-.00002	.00105	.00555	-.00005	.00008	.00013	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.01166**	**-.00075**	**.00078**	**.00009**	**.00018**	**-.00794**	**.00065**	**-.00395**	**-.00023**	**.01004**	W **.00353**
Stddev	.00182	.01871	.00141	.00207	.00003	.00018	.01101	.00010	.00116	.00107	.00374	.00105
%RSD	124.70	160.50	187.76	264.35	29.232	100.03	138.76	16.072	29.250	457.44	37.205	29.895
#1	-.00017	.02489	-.00175	.00225	.00007	.00031	-.00015	.00072	-.00477	-.00099	.01268	.00278
#2	-.00275	-.00157	.00025	-.00068	.00011	.00005	-.01573	.00058	-.00313	.00052	.00740	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.02015**	**.04313**	**.00031**	**.00019**	**-.00030**	**-.00056**	**-.00110**	**.00940**	**.00018**	**.00250**	**.00205**
Stddev	.00266	.00331	.00708	.00030	.00003	.00117	.00001	.00068	.02472	.00012	.00005	.00148
%RSD	488.43	16.412	16.412	97.998	15.525	387.28	2.5744	62.135	263.01	66.683	1.9453	72.368
#1	-.00242	.02249	.04813	.00052	.00021	.00052	-.00055	-.00158	-.00808	.00010	.00253	.00100
#2	.00133	.01781	.03812	.00009	.00017	-.00113	-.00057	-.00062	.02688	.00027	.00246	.00310
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8567.0**	**116990.**	**6852.7**
Stddev	30.6	965.	39.8
%RSD	.35769	.82451	.58014
#1	8545.4	116310.	6824.6
#2	8588.7	117680.	6880.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 2:50:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01148**	**.10859**	**.01623**	**.10101**	**.01016**	**.00092**	**.12441**	**.21101**	**.00532**	**.01089**	**.01062**	**.01628**	**.09665**	**3.1647**
Stddev	.00046	.00006	.00058	.00051	.00010	.00004	.00001	.00326	.00006	.00016	.00002	.00005	.00247	.0271
%RSD	4.0442	.05261	3.6044	.50228	.98552	4.1219	.00827	1.5445	1.1027	1.4376	.15389	.30404	2.5578	.85660
#1	.01181	.10863	.01581	.10137	.01009	.00090	.12440	.20870	.00536	.01100	.01061	.01624	.09491	3.1455
#2	.01115	.10855	.01664	.10066	.01023	.00095	.12442	.21331	.00527	.01078	.01063	.01631	.09840	3.1838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00896**	**.21077**	**.01033**	**.02067**	**1.0456**	**.04324**	**2.9826**	**.00905**	**.01035**	**.00805**	**.01711**	**.48442**	**1.0367**	**.10547**
Stddev	.00076	.00017	.00002	.00024	.0077	.00005	.0024	.00074	.00217	.00006	.00351	.02084	.0446	.00013
%RSD	8.4726	.08071	.20488	1.1380	.73468	.10466	.08181	8.1528	20.968	.75412	20.505	4.3021	4.3021	.12248
#1	.00842	.21090	.01032	.02051	1.0401	.04320	2.9843	.00957	.00882	.00809	.01463	.46968	1.0051	.10556
#2	.00950	.21065	.01035	.02084	1.0510	.04327	2.9809	.00853	.01189	.00800	.01959	.49916	1.0682	.10538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.01585**	**.00967**	**.01626**	**.05549**	**.01026**	**.02273**	**.01816**
Stddev	.00007	.00183	.00012	.00047	.03113	.00027	.00032	.00015
%RSD	.64846	11.551	1.2788	2.8689	56.097	2.6322	1.3968	.85177
#1	.01030	.01714	.00976	.01659	.03348	.01007	.02250	.01805
#2	.01039	.01455	.00959	.01593	.07751	.01045	.02295	.01827
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8684.6**	**119000.**	**6943.0**
Stddev	10.5	236.	39.7
%RSD	.12140	.19818	.57158
#1	8677.2	118830.	6971.0
#2	8692.1	119160.	6914.9

Sample Name: 280-48983-f-2-a Acquired: 11/12/2013 2:53:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.26696**	**.00083**	**.01192**	**.06417**	**-.00004**	**-.00168**	**37.173**	**.00024**	**.00011**
Stddev	.00010	.00006	.00130	.00005	.00120	.00001	.00178	.110	.00006	.00006
%RSD	20.090	.02354	156.04	.42560	1.8622	16.585	105.69	.29492	26.132	54.426
#1	.00043	.26692	.00175	.01188	.06502	-.00003	-.00043	37.251	.00019	.00007
#2	.00057	.26701	-.00009	.01195	.06333	-.00004	-.00294	37.095	.00028	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00109**	**.24177**	**1.3216**	**.00631**	**8.7391**	**.02158**	**.00048**	**18.126**	**.00065**
Stddev	.00002	.00023	.00357	.0473	.00060	.0425	.00025	.00005	.181	.00007
%RSD	5.6312	21.580	1.4745	3.5796	9.4421	.48634	1.1666	9.9831	.99825	10.894
#1	.00030	.00126	.24430	1.3550	.00673	8.7090	.02140	.00045	18.254	.00060
#2	.00032	.00092	.23925	1.2881	.00589	8.7691	.02176	.00051	17.998	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**-.00067**	**18.058**	**-.00245**	**-.00279**	**5.7388**	**12.281**	**.00026**	**.35943**	**.00163**
Stddev	.00053	.00032	.036	.00001	.00153	.0236	.051	.00042	.00114	.00125
%RSD	13.783	48.003	.19879	.32929	54.614	.41133	.41133	164.54	.31664	76.571
#1	.00421	-.00089	18.083	-.00244	-.00172	5.7555	12.317	-.00004	.36024	.00251
#2	.00346	-.00044	18.033	-.00245	-.00387	5.7221	12.245	.00056	.35863	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00654**	**.00023**	**.01199**	**.00112**	**.00453**	**.00266**
Stddev	.00175	.00089	.00303	.00012	.00011	.00064
%RSD	26.772	395.69	25.275	10.348	2.4946	24.174
#1	.00531	-.00040	.00985	.00104	.00461	.00311
#2	.00778	.00085	.01413	.00120	.00445	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8583.8**	**115750.**	**7044.7**
Stddev	24.6	142.	44.8
%RSD	.28703	.12241	.63570
#1	8566.4	115650.	7013.0
#2	8601.2	115850.	7076.3

Sample Name: 280-48983-f-3-a Acquired: 11/12/2013 2:55:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**.24989**	**.00013**	**.01178**	**.06195**	**-.00005**	**-.00168**	**36.025**	**.00031**	**.00026**
Stddev	.00008	.00048	.00110	.00035	.00077	.00005	.00014	.160	.00013	.00005
%RSD	12.352	.19302	838.40	2.9735	1.2415	109.84	8.5222	.44471	40.223	19.283
#1	.00073	.25023	-.00065	.01203	.06249	-.00008	-.00158	36.138	.00040	.00030
#2	.00061	.24954	.00091	.01153	.06141	-.00001	-.00178	35.912	.00022	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00058**	**.22776**	**1.3322**	**.00743**	**8.3599**	**.01994**	**.00067**	**17.209**	**.00061**
Stddev	.00007	.00022	.00508	.0252	.00008	.0020	.00004	.00001	.118	.00008
%RSD	24.512	37.071	2.2311	1.8940	1.0943	.02392	.22020	1.9261	.68448	13.234
#1	.00023	.00043	.23136	1.3144	.00749	8.3613	.01991	.00068	17.292	.00055
#2	.00032	.00074	.22417	1.3501	.00737	8.3585	.01997	.00066	17.126	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00414**	**.00006**	**17.562**	**-.00233**	**-.00008**	**5.5450**	**11.866**	**-.00050**	**.34837**	**-.00159**
Stddev	.00234	.00108	.038	.00017	.00186	.0850	.182	.00067	.00216	.00138
%RSD	56.511	1883.4	.21552	7.4069	2362.1	1.5328	1.5328	131.93	.61975	87.028
#1	.00249	-.00071	17.535	-.00221	-.00139	5.6051	11.995	-.00003	.34990	-.00256
#2	.00580	.00082	17.589	-.00245	.00124	5.4849	11.738	-.00097	.34684	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.00099**	**.03419**	**.00079**	**.00319**	**.00271**
Stddev	.00012	.00036	.02391	.00014	.00016	.00156
%RSD	2.0360	36.695	69.927	17.564	5.0044	57.679
#1	.00593	.00125	.05109	.00069	.00330	.00161
#2	.00577	.00074	.01728	.00088	.00308	.00382
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8562.6**	**117160.**	**7054.0**
Stddev	2.1	323.	56.9
%RSD	.02473	.27560	.80689
#1	8561.1	116930.	7013.7
#2	8564.1	117390.	7094.2

Sample Name: 280-48983-a-4-a Acquired: 11/12/2013 2:57:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00054	3.3773	.00204	.03500	.06242	.00006	-.00153	223.98	.00077	.00095
Stddev	.00035	.0146	.00361	.00020	.00014	.00002	.00154	.03	.00033	.00017
%RSD	65.337	.43301	177.10	.57726	.22645	34.973	100.89	.01174	42.565	18.092
#1	.00029	3.3877	-.00051	.03514	.06232	.00004	-.00044	224.00	.00100	.00083
#2	.00079	3.3670	.00460	.03485	.06252	.00007	-.00262	223.96	.00054	.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00335	.00586	1.8339	7.0093	.07911	154.34	.02851	.00074	379.69	.00262
Stddev	.00009	.00057	.0028	.0295	.00096	1.84	.00008	.00000	.01	.00011
%RSD	2.7126	9.6465	.15260	.42035	1.2152	1.1917	.28159	.17669	.00332	4.0501
#1	.00342	.00546	1.8359	6.9885	.07843	155.64	.02846	.00074	379.68	.00269
#2	.00329	.00626	1.8320	7.0302	.07979	153.04	.02857	.00074	379.70	.00254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.07590	.00237	F 499.39	-.00015	.00271	10.717	22.934	-.00039	W 5.8592	-.00050
Stddev	.00281	.00176	1.63	.00103	.00052	.007	.015	.00058	.0675	.00199
%RSD	3.7069	74.303	.32681	698.27	19.053	.06422	.06422	150.45	1.1517	396.08
#1	.07789	.00361	498.24	.00058	.00234	10.712	22.923	.00002	5.9069	.00091
#2	.07391	.00112	500.54	-.00088	.00307	10.721	22.944	-.00080	5.8115	-.00191
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.09061	-.00011	-.00928	.00653	.01386	.00692
Stddev	.00475	.00091	.00392	.00019	.00034	.00131
%RSD	5.2390	846.13	42.272	2.8797	2.4480	18.883
#1	.08725	.00054	-.00650	.00667	.01410	.00599
#2	.09396	-.00075	-.01205	.00640	.01362	.00784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7782.6	104210.	6891.4
Stddev	4.1	451.	32.3
%RSD	.05280	.43295	.46862
#1	7785.5	103890.	6868.6
#2	7779.7	104530.	6914.3

Sample Name: 280-48983-a-5-a Acquired: 11/12/2013 3:00:16 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00039**	**.00831**	**-.00137**	**.00065**	**.00008**	**-.00005**	**-.00221**	**.07756**	**.00013**	**.00013**
Stddev	.00002	.00023	.00098	.00026	.00013	.00001	.00182	.00695	.00000	.00022
%RSD	4.5336	2.7073	71.075	40.161	171.86	13.889	82.474	8.9596	2.9028	171.00
#1	.00040	.00847	-.00068	.00083	.00017	-.00005	-.00092	.08248	.00013	-.00003
#2	.00038	.00815	-.00206	.00046	-.00002	-.00006	-.00350	.07265	.00013	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00086**	**.01482**	**.09529**	**-.00096**	**.03172**	**.00069**	**-.00004**	**.18737**	**.00075**
Stddev	.00012	.00012	.00408	.00062	.00180	.00155	.00000	.00014	.02094	.00028
%RSD	69.890	13.886	27.536	.64876	188.64	4.8795	.60230	348.02	11.178	37.034
#1	.00026	.00094	.01770	.09573	.00032	.03282	.00069	.00006	.20218	.00094
#2	.00009	.00077	.01193	.09485	-.00223	.03063	.00069	-.00014	.17256	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**-.00006**	**.10801**	**-.00069**	**.00006**	**.02576**	**.05512**	**.00046**	**.00136**	**-.00063**
Stddev	.00078	.00021	.00996	.00234	.00136	.01520	.03254	.00060	.00021	.00038
%RSD	93.814	320.14	9.2165	340.47	2179.5	59.037	59.037	129.23	15.160	60.747
#1	-.00028	.00008	.11505	-.00234	.00103	.01500	.03211	.00088	.00150	-.00036
#2	-.00139	-.00021	.10098	.00097	-.00090	.03651	.07812	.00004	.00121	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00043**	**.00201**	**.00017**	**.00414**	**.00368**
Stddev	.00007	.00010	.02881	.00012	.00002	.00244
%RSD	12.918	24.409	1436.2	69.463	.58789	66.283
#1	.00050	.00050	-.01837	.00025	.00412	.00541
#2	.00060	.00035	.02238	.00009	.00415	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8801.2**	**120120.**	**6969.1**
Stddev	21.3	207.	77.0
%RSD	.24241	.17248	1.1044
#1	8816.3	120270.	6914.7
#2	8786.2	119970.	7023.5

Sample Name: 280-49044-c-1-a Acquired: 11/12/2013 3:02:35 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00366**	**-.00265**	**5.4882**	**.01765**	**-.00001**	**.00021**	W **732.60**	**.00101**	**.00134**
Stddev	.00049	.00012	.00184	.0300	.00010	.00007	.00061	3.28	.00012	.00004
%RSD	305.65	3.3745	69.468	.54613	.57315	1101.2	288.76	.44835	11.495	2.9162
#1	.00051	.00375	-.00396	5.4671	.01772	-.00006	.00065	734.92	.00109	.00136
#2	-.00019	.00357	-.00135	5.5094	.01758	.00004	-.00022	730.27	.00093	.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00346**	**.00530**	**18.742**	**1.3034**	**269.42**	**.06749**	**.00132**	W **1065.8**	**.01105**
Stddev	.00010	.00002	.00111	.111	.0023	3.37	.00023	.00005	3.6	.00007
%RSD	234.67	.57933	20.840	.59103	.17646	1.2507	.34072	3.9900	.33400	.62798
#1	-.00011	.00348	.00609	18.663	1.3050	271.80	.06733	.00128	1068.4	.01110
#2	.00003	.00345	.00452	18.820	1.3017	267.04	.06765	.00136	1063.3	.01100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29839**	W **-.00312**	F **808.44**	**.00052**	**-.00247**	**12.879**	**27.561**	**-.00016**	F **20.026**	**-.00268**
Stddev	.00349	.00077	2.86	.00087	.00320	.026	.057	.00025	.351	.00228
%RSD	1.1711	24.570	.35334	169.46	129.43	.20525	.20525	160.48	1.7522	84.854
#1	.29592	-.00258	806.42	.00113	-.00474	12.898	27.601	-.00033	20.275	-.00107
#2	.30086	-.00366	810.46	-.00010	-.00021	12.860	27.521	.00002	19.778	-.00430
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit		10.000	200.00						20.000	
Low Limit		-.00300	-.20000						-.02000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00187**	**.05751**	**.00148**	**.00697**	**.00464**
Stddev	.00004	.00128	.01930	.00019	.00054	.00053
%RSD	862.31	68.361	33.553	12.965	7.6946	11.337
#1	-.00002	.00097	.04386	.00134	.00735	.00501
#2	.00003	.00278	.07115	.00161	.00659	.00427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7235.2**	**97526.**	**6628.6**
Stddev	3.8	323.	63.6
%RSD	.05309	.33117	.95959
#1	7237.9	97298.	6583.6
#2	7232.5	97755.	6673.6

Sample Name: 280-49044-c-2-a Acquired: 11/12/2013 3:05:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.07744**	**-.00350**	**3.6453**	**.01346**	**-.00007**	**-.00138**	W **612.94**	**.00119**	**.00405**
Stddev	.00041	.00011	.00371	.0167	.00028	.00006	.00059	7.44	.00006	.00006
%RSD	176.90	.14313	105.79	.45695	2.1167	88.931	42.772	1.2141	5.2528	1.4810
#1	-.00052	.07752	-.00612	3.6335	.01366	-.00002	-.00180	607.68	.00123	.00401
#2	.00006	.07736	-.00088	3.6571	.01325	-.00011	-.00096	618.20	.00115	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00298**	**.59743**	**12.473**	**1.3245**	**259.21**	**.47101**	**.00044**	W **1346.0**	**.01678**
Stddev	.00001	.00006	.01359	.210	.0086	.26	.00051	.00016	8.0	.00026
%RSD	9.6801	1.9521	2.2746	1.6844	.64710	.10094	.10833	35.681	.59167	1.5561
#1	.00006	.00302	.58782	12.325	1.3184	259.40	.47065	.00055	1340.4	.01697
#2	.00005	.00294	.60704	12.622	1.3305	259.03	.47137	.00033	1351.6	.01660
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.70071**	**-.00265**	F **1007.5**	**.00022**	**-.00114**	**10.400**	**22.256**	**-.00050**	W **13.780**	**-.00178**
Stddev	.00872	.00061	3.6	.00114	.00260	.219	.469	.00101	.068	.00057
%RSD	1.2441	23.082	.35664	509.74	229.43	2.1058	2.1058	201.22	.49154	31.938
#1	.69455	-.00222	1004.9	-.00058	.00071	10.245	21.925	-.00122	13.732	-.00138
#2	.70687	-.00308	1010.0	.00103	-.00298	10.555	22.588	.00021	13.828	-.00218
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00172**	**.04934**	**.00120**	**.00735**	**.00409**
Stddev	.00027	.00041	.00961	.00003	.00034	.00155
%RSD	49.868	23.626	19.482	2.0850	4.5596	37.879
#1	.00073	.00144	.05614	.00119	.00759	.00299
#2	.00035	.00201	.04254	.00122	.00712	.00518
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7289.4**	**97942.**	**6886.5**
Stddev	13.9	113.	58.5
%RSD	.19098	.11492	.84947
#1	7279.6	97862.	6927.8
#2	7299.3	98022.	6845.1

Sample Name: 280-49044-c-3-a Acquired: 11/12/2013 3:09:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.02803**	**.00358**	**1.4945**	**.04587**	**-.00004**	**-.00321**	**442.64**	**.00086**	**.00450**
Stddev	.00058	.00032	.00111	.0004	.00046	.00005	.00189	14.59	.00009	.00015
%RSD	107.31	1.1324	31.121	.02731	1.0128	119.89	58.864	3.2969	10.562	3.2938
#1	.00096	.02780	.00437	1.4942	.04554	-.00001	-.00187	432.32	.00093	.00439
#2	.00013	.02825	.00279	1.4948	.04620	-.00007	-.00454	452.96	.00080	.00460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00070**	**.00354**	**10.821**	**11.922**	**.21388**	**87.860**	**.59289**	**.00161**	**196.83**	**.01000**
Stddev	.00014	.00004	.050	.052	.00190	.116	.00236	.00000	.73	.00007
%RSD	19.334	1.0623	.46355	.43409	.88998	.13240	.39779	.15696	.36886	.65613
#1	.00061	.00351	10.785	11.885	.21523	87.778	.59123	.00161	196.32	.00996
#2	.00080	.00357	10.856	11.959	.21253	87.942	.59456	.00161	197.34	.01005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35594**	**-.00196**	F **400.35**	**-.00258**	**-.00236**	**10.591**	**22.665**	**-.00005**	W **9.8248**	**-.00135**
Stddev	.00130	.00142	.87	.00070	.00172	.058	.123	.00085	.0595	.00108
%RSD	.36576	72.660	.21832	26.926	72.907	.54367	.54367	1786.3	.60572	80.073
#1	.35502	-.00095	399.73	-.00209	-.00114	10.550	22.578	-.00065	9.8669	-.00059
#2	.35686	-.00296	400.97	-.00307	-.00357	10.632	22.752	.00055	9.7828	-.00212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00097**	**.01152**	**.00116**	**.00478**	**.00533**
Stddev	.00033	.00089	.02187	.00000	.00033	.00127
%RSD	50.858	91.445	189.82	.01024	6.8366	23.797
#1	.00042	.00160	-.00394	.00116	.00455	.00444
#2	.00088	.00034	.02699	.00116	.00501	.00623
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7792.1**	**106810.**	**7169.5**
Stddev	11.2	58.	84.0
%RSD	.14357	.05443	1.1723
#1	7800.0	106770.	7228.9
#2	7784.2	106850.	7110.1

Sample Name: 280-49044-c-4-a Acquired: 11/12/2013 3:11:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00526**	**-.00164**	**5.4650**	**.01689**	**-.00005**	**.00010**	W **703.75**	**.00106**	**.00120**
Stddev	.00027	.00006	.00134	.1176	.00023	.00007	.00154	.14	.00005	.00013
%RSD	38.676	1.1793	82.198	2.1525	1.3597	129.79	1501.3	.01972	4.6171	10.877
#1	.00050	.00530	-.00068	5.5482	.01672	.00000	-.00099	703.85	.00109	.00110
#2	.00088	.00522	-.00259	5.3818	.01705	-.00010	.00119	703.66	.00103	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00360**	**.00730**	**18.272**	**1.2663**	**260.84**	**.07107**	**.00112**	W **1037.5**	**.01106**
Stddev	.00015	.00001	.00313	.335	.0182	1.60	.00021	.00049	13.1	.00004
%RSD	128.93	.20641	42.903	1.8309	1.4381	.61499	.30039	43.461	1.2594	.37472
#1	.00001	.00360	.00508	18.035	1.2534	259.71	.07092	.00146	1028.3	.01109
#2	.00022	.00359	.00951	18.508	1.2792	261.98	.07122	.00077	1046.8	.01103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31637**	W **-.00310**	F **803.28**	**-.00114**	**-.00040**	**12.416**	**26.571**	**-.00104**	W **19.579**	**-.00328**
Stddev	.00680	.00125	18.80	.00178	.00016	.169	.361	.00081	.233	.00061
%RSD	2.1502	40.477	2.3408	156.06	40.492	1.3605	1.3605	77.684	1.1900	18.512
#1	.32118	-.00221	816.58	-.00240	-.00029	12.297	26.315	-.00047	19.414	-.00285
#2	.31156	-.00398	789.99	.00012	-.00051	12.536	26.827	-.00161	19.743	-.00371
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit		10.000	200.00						5.0000	
Low Limit		-.00300	-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00161**	**.07420**	**.00135**	**.00702**	**.00540**
Stddev	.00010	.00065	.00450	.00002	.00028	.00078
%RSD	32.793	40.707	6.0644	1.6794	3.9506	14.494
#1	.00038	.00207	.07102	.00133	.00722	.00485
#2	.00023	.00114	.07738	.00136	.00683	.00596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7190.8**	**98019.**	**6963.7**
Stddev	168.6	10.	56.2
%RSD	2.3444	.01063	.80759
#1	7071.6	98012.	6923.9
#2	7310.0	98026.	7003.5

Sample Name: 280-49044-c-5-a Acquired: 11/12/2013 3:14:48 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00081**	**-.00037**	**-.00018**	**.01277**	**-.00056**	**-.00007**	**.00063**	**.06915**	**.00007**	**.00028**
Stddev	.00002	.00014	.00153	.00072	.00013	.00002	.00146	.00103	.00006	.00016
%RSD	2.3815	38.204	831.62	5.6002	24.119	21.288	232.71	1.4851	85.867	55.838
#1	.00082	-.00047	-.00127	.01328	-.00046	-.00006	.00166	.06842	.00003	.00039
#2	.00080	-.00027	.00090	.01226	-.00065	-.00009	-.00040	.06987	.00012	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00011**	**-.00012**	**.10335**	**-.00082**	**.01313**	**.00010**	**-.00007**	**.26280**	**.00062**
Stddev	.00004	.00065	.00190	.01305	.00032	.00283	.00006	.00010	.02097	.00007
%RSD	46.768	597.52	1644.4	12.626	39.398	21.566	56.859	137.56	7.9812	10.710
#1	.00005	.00057	.00123	.09413	-.00059	.01513	.00015	-.00014	.27764	.00057
#2	.00011	-.00035	-.00146	.11258	-.00105	.01113	.00006	.00000	.24797	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00879**	**-.00052**	**.10944**	**-.00296**	**-.00039**	**.02626**	**.05619**	**.00042**	**.00150**	**.00039**
Stddev	.00061	.00059	.00808	.00021	.00120	.00290	.00621	.00014	.00001	.00007
%RSD	6.9417	112.35	7.3857	6.9589	308.72	11.057	11.057	33.200	.85552	18.801
#1	.00923	-.00094	.11516	-.00281	.00046	.02420	.05179	.00032	.00151	.00044
#2	.00836	-.00011	.10373	-.00311	-.00123	.02831	.06058	.00052	.00149	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00068**	**.01597**	**-.00018**	**.00256**	**.00404**
Stddev	.00033	.00010	.03379	.00042	.00020	.00060
%RSD	48.119	15.316	211.59	232.50	7.7472	14.771
#1	.00093	.00061	-.00792	.00012	.00242	.00362
#2	.00046	.00075	.03986	-.00048	.00270	.00446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9067.6**	**125160.**	**7488.3**
Stddev	18.8	16.	36.4
%RSD	.20776	.01303	.48588
#1	9080.9	125150.	7514.0
#2	9054.3	125170.	7462.5

Sample Name: CCVH-2372891 Acquired: 11/12/2013 3:17:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00793**	**50.361**	**.00193**	**.00666**	**-.00018**	**.00001**	F **1.1205**	**.03374**	**.00003**	**-.00020**	**-.00001**	**.01099**
Stddev	.00020	.426	.00155	.00035	.00007	.00001	.0029	.00028	.00016	.00009	.00001	.00001
%RSD	2.4809	.84624	80.038	5.3133	38.548	37.372	.25884	.82713	486.75	42.368	87.026	.11690
#1	.00779	50.059	.00303	.00691	-.00013	.00002	1.1225	.03354	-.00008	-.00014	.00000	.01100
#2	.00807	50.662	.00084	.00641	-.00022	.00001	1.1184	.03393	.00015	-.00026	-.00001	.01098
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.960**	**.09318**	**-.00083**	**.09027**	**.00075**	**-.00024**	**267.59**	**-.00023**	**.00423**	**.00031**	W **5.3668**	**.00231**
Stddev	1.029	.01240	.00055	.00190	.00001	.00001	2.40	.00041	.00014	.00003	.0129	.00086
%RSD	2.1011	13.310	66.145	2.1026	1.7197	2.6420	.89536	181.78	3.2746	10.936	.24023	37.285
#1	48.233	.08441	-.00122	.08893	.00076	-.00023	265.89	.00006	.00413	.00033	5.3759	.00170
#2	49.687	.10195	-.00044	.09161	.00074	-.00024	269.28	-.00051	.00432	.00028	5.3577	.00291
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00263**	**.01088**	**.02329**	**-.00034**	**.00066**	**5.0387**	**-.01294**	**.00116**	F **5.4815**	**.00123**	**.00147**	**.05885**
Stddev	.00125	.02576	.05512	.00037	.00005	.0098	.00006	.00155	.0219	.00030	.00018	.00221
%RSD	47.583	236.63	236.63	107.21	7.7527	.19516	.46589	133.43	.39998	24.242	12.253	3.7526
#1	-.00351	-.00733	-.01568	-.00061	.00070	5.0318	-.01298	.00226	5.4660	.00102	.00135	.05729
#2	-.00174	.02910	.06227	-.00008	.00063	5.0457	-.01289	.00007	5.4970	.00144	.00160	.06041
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8578.0**	**115890.**	**7357.4**
Stddev	2.3	362.	66.3
%RSD	.02700	.31224	.90054
#1	8576.4	115640.	7404.3
#2	8579.7	116150.	7310.6

Sample Name: CCV-2372889 Acquired: 11/12/2013 3:19:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51082**	**.52351**	**1.0227**	**.52546**	**.51090**	**.49000**	**-.00387**	**4.9461**	**.51612**	**.51054**	**.51243**	**.52230**	**2.4003**
Stddev	.00217	.00102	.0001	.00162	.00216	.00095	.00016	.0355	.00164	.00046	.00082	.00144	.0299
%RSD	.42460	.19537	.00441	.30804	.42326	.19474	4.1836	.71724	.31866	.08987	.16028	.27478	1.2470
#1	.51235	.52279	1.0227	.52432	.50937	.48933	-.00375	4.9712	.51495	.51086	.51185	.52331	2.4215
#2	.50929	.52424	1.0226	.52661	.51243	.49068	-.00398	4.9210	.51728	.51021	.51301	.52128	2.3791
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.277**	**1.0059**	**19.506**	**.49474**	**.52036**	**5.2133**	**.51481**	**1.0697**	**1.0358**	**.05496**	**1.0599**	**1.0385**	**4.7699**
Stddev	.016	.0021	.021	.00121	.00139	.0136	.00049	.0096	.0046	.00397	.0003	.0054	.0684
%RSD	.03157	.20771	.10535	.24476	.26740	.26123	.09522	.89851	.44101	7.2218	.03037	.52256	1.4342
#1	51.266	1.0044	19.520	.49560	.51937	5.2036	.51447	1.0629	1.0326	.05215	1.0597	1.0346	4.8182
#2	51.289	1.0073	19.491	.49389	.52134	5.2229	.51516	1.0765	1.0390	.05776	1.0601	1.0423	4.7215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.208**	**1.0281**	**.50706**	**-.00568**	**.49648**	**1.0453**	**.01875**	**.50091**	**.48648**	**.49667**
Stddev	.146	.0040	.00123	.00128	.00031	.0004	.03215	.00047	.00181	.00349
%RSD	1.4342	.38979	.24318	22.604	.06221	.03316	171.43	.09468	.37255	.70241
#1	10.311	1.0253	.50619	-.00659	.49670	1.0456	.04148	.50058	.48776	.49913
#2	10.104	1.0309	.50794	-.00478	.49626	1.0451	-.00398	.50125	.48520	.49420
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8814.1**	**120200.**	**7458.6**
Stddev	14.7	45.	24.9
%RSD	.16665	.03746	.33449
#1	8803.7	120230.	7441.0
#2	8824.5	120160.	7476.3

Sample Name: CCB Acquired: 11/12/2013 3:21:36 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00099**	**-.00450**	**.00296**	**.00408**	**-.00039**	**.00004**	**.00242**	**.01648**	**.00032**	**.00019**	**-.00009**	**-.00042**
Stddev	.00011	.00043	.00046	.00032	.00000	.00001	.00191	.00064	.00026	.00002	.00001	.00029
%RSD	10.704	9.6566	15.702	7.7874	1.1756	18.315	78.590	3.8789	80.472	12.400	14.473	69.622
#1	.00107	-.00481	.00263	.00385	-.00039	.00004	.00377	.01694	.00014	.00021	-.00008	-.00021
#2	.00092	-.00420	.00329	.00430	-.00039	.00005	.00108	.01603	.00050	.00017	-.00010	-.00062
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093											
Low Limit	-.00093											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00218**	**-.01154**	**-.00128**	**.00232**	**.00005**	**.00022**	**.04626**	**.00059**	W **.01825**	**-.00001**	**.06039**	W **.00375**
Stddev	.00170	.00965	.00194	.00075	.00002	.00005	.00559	.00017	.00310	.00062	.00055	.00089
%RSD	77.798	83.618	151.34	32.340	40.152	21.405	12.075	28.725	16.969	8080.1	.91902	23.675
#1	-.00098	-.00472	.00009	.00179	.00007	.00019	.05021	.00072	.02044	-.00044	.06078	.00438
#2	-.00339	-.01836	-.00266	.00285	.00004	.00026	.04231	.00047	.01606	.00043	.05999	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn
High Limit									.01350			.00314
Low Limit									-.01350			-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**.00073**	**.00156**	**.00036**	**.00028**	**-.00013**	**-.00003**	**-.00028**	**.02558**	**-.00012**	**.00249**	W **.00313**
Stddev	.00446	.00715	.01529	.00006	.00007	.00005	.00006	.00033	.00118	.00021	.00023	.00097
%RSD	582.31	978.14	978.14	15.711	23.880	35.410	198.54	117.49	4.6107	178.03	9.3010	31.061
#1	.00392	-.00432	-.00925	.00040	.00032	-.00010	.00001	-.00005	.02475	.00003	.00233	.00244
#2	-.00239	.00578	.01238	.00032	.00023	-.00017	-.00007	-.00051	.02642	-.00027	.00265	.00381
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8798.7**	**121040.**	**7271.2**
Stddev	5.9	490.	39.2
%RSD	.06728	.40465	.53860
#1	8794.6	121390.	7298.9
#2	8802.9	120690.	7243.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 3:23:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01112**	**.10769**	**.01639**	**.10529**	**.01007**	**.00102**	**.12868**	**.21627**	**.00538**	**.01094**	**.01069**	**.01574**	**.09873**
Stddev	.00027	.00015	.00010	.00003	.00027	.00004	.00049	.00397	.00014	.00002	.00007	.00022	.00269
%RSD	2.4304	.13939	.58616	.02775	2.7307	3.9209	.37812	1.8374	2.5582	.16530	.67478	1.4248	2.7215
#1	.01131	.10780	.01632	.10527	.00987	.00099	.12903	.21908	.00548	.01093	.01063	.01558	.10063
#2	.01093	.10759	.01645	.10531	.01026	.00105	.12834	.21346	.00529	.01096	.01074	.01590	.09683
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2033**	**.01221**	**.21017**	**.01025**	**.02055**	**1.1192**	**.04375**	**3.0158**	**.00916**	**.04804**	**.00809**	**.01443**	**.49114**
Stddev	.0197	.00050	.00019	.00009	.00022	.0023	.00032	.0112	.00038	.00006	.00209	.00010	.01084
%RSD	.61494	4.1283	.09192	.89632	1.0853	.20280	.72805	.36987	4.1042	.12968	25.820	.70898	2.2070
#1	3.1894	.01185	.21003	.01031	.02039	1.1208	.04353	3.0079	.00942	.04808	.00957	.01451	.48347
#2	3.2172	.01257	.21031	.01018	.02070	1.1176	.04398	3.0237	.00889	.04799	.00661	.01436	.49880
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0510**	**.10564**	**.01085**	**.01521**	**.00947**	**.01675**	F **.09407**	**.01030**	**.02218**	**.01897**
Stddev	.0232	.00009	.00000	.00212	.00014	.00060	.03624	.00008	.00018	.00091
%RSD	2.2070	.08703	.03005	13.926	1.4753	3.6015	38.521	.73649	.82181	4.7714
#1	1.0346	.10558	.01085	.01671	.00937	.01633	.06845	.01035	.02231	.01833
#2	1.0674	.10571	.01085	.01371	.00957	.01718	.11970	.01024	.02206	.01961
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8896.7**	**122000.**	**7336.0**
Stddev	3.4	245.	9.7
%RSD	.03821	.20087	.13249
#1	8899.1	121820.	7329.2
#2	8894.3	122170.	7342.9

Sample Name: 280-49001-g-1-a Acquired: 11/12/2013 3:26:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**3.4844**	**.33253**	RW **44.015**	**.41969**	**-.00053**	**-.00548**	**17.702**	**.00390**	**.02160**
Stddev	.00015	.0079	.00041	.054	.00127	.00003	.00311	.071	.00037	.00030
%RSD	10.604	.22554	.12465	.12352	.30279	5.0462	56.835	.39852	9.4980	1.4047
#1	.00154	3.4900	.33224	44.054	.42059	-.00055	-.00328	17.752	.00417	.02182
#2	.00133	3.4789	.33283	43.977	.41879	-.00051	-.00768	17.652	.00364	.02139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				10.000						
Low Limit				-.01000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05216**	**.02023**	**7.0847**	F **1219.5**	W **6.1958**	**3.6724**	**.54354**	**4.6107**	RF **4049.1**	**1.0814**
Stddev	.00004	.00004	.0922	13.5	.0158	.0287	.00112	.0098	107.6	.0012
%RSD	.08032	.22042	1.3014	1.1065	.25498	.78232	.20641	.21310	2.6566	.11458
#1	.05219	.02020	7.1499	1229.1	6.2070	3.6927	.54433	4.6176	4125.1	1.0823
#2	.05213	.02027	7.0195	1210.0	6.1846	3.6521	.54274	4.6037	3973.0	1.0806
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				500.00	2.0000				100.00	
Low Limit				-2.0000	-.01000				-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **33.973**	F **-.02384**	F **4317.1**	F **-.09291**	**1.6162**	**8.2691**	**17.696**	**.01543**	**1.8061**	**.03035**
Stddev	.052	.00015	7.8	.00043	.0136	.0772	.165	.00023	.0079	.00029
%RSD	.15292	.64502	.18041	.46691	.84039	.93397	.93397	1.5088	.43546	.94148
#1	34.010	-.02394	4322.6	-.09322	1.6258	8.3237	17.813	.01526	1.8117	.03015
#2	33.936	-.02373	4311.6	-.09261	1.6066	8.2145	17.579	.01559	1.8006	.03056
Check ?	Chk Warn	Chk Fail	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	200.00	200.00	50.000						
Low Limit	-1.0000	-.00600	-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07126**	**-.00666**	**.25709**	**1.3110**	**.38619**	**.02654**
Stddev	.00083	.00133	.03677	.0009	.00264	.00124
%RSD	1.1600	19.989	14.303	.07075	.68342	4.6875
#1	.07185	-.00572	.28309	1.3103	.38806	.02566
#2	.07068	-.00760	.23109	1.3116	.38433	.02742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**4685.1**	**63361.**	**6342.0**
Stddev	1.4	152.	7.7
%RSD	.03075	.23992	.12131
#1	4684.1	63253.	6336.6
#2	4686.1	63468.	6347.5

Sample Name: 280-49001-g-1-a@5 Acquired: 11/12/2013 3:29:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.70214**	**.06386**	**8.9021**	**.09594**	**-.00019**	**.00027**	**4.2122**	**.00082**	**.00491**
Stddev	.00097	.00127	.00271	.0066	.00009	.00003	.00102	.0132	.00010	.00000
%RSD	1789.8	.18071	4.2503	.07470	.09065	14.805	384.47	.31373	12.401	.03517
#1	.00074	.70303	.06194	8.9068	.09588	-.00021	.00099	4.2216	.00089	.00491
#2	-.00063	.70124	.06578	8.8974	.09600	-.00017	-.00046	4.2029	.00075	.00491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**.00463**	**1.6233**	W **260.82**	**1.0395**	**.93810**	**.12374**	**.92522**	RW **6615.1**	**.25451**
Stddev	.00023	.00074	.0109	.66	.0062	.00001	.00009	.00227	29.7	.00011
%RSD	2.0142	16.073	.67054	.25123	.60007	.00111	.07391	.24541	.44849	.04149
#1	.01161	.00410	1.6310	261.29	1.0439	.93810	.12380	.92683	6636.0	.25443
#2	.01129	.00515	1.6156	260.36	1.0351	.93811	.12367	.92362	6594.1	.25458
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.6575**	W **-.00559**	F **2274.2**	F **-.02248**	**.28296**	**1.7725**	**3.7931**	**.00545**	**.37994**	**.00109**
Stddev	.0105	.00019	3.1	.00098	.00203	.0265	.0566	.00030	.00136	.00125
%RSD	.15727	3.4008	.13587	4.3686	.71598	1.4932	1.4932	5.5549	.35728	115.36
#1	6.6649	-.00546	2276.4	-.02179	.28153	1.7912	3.8331	.00566	.38090	.00020
#2	6.6501	-.00573	2272.1	-.02317	.28440	1.7537	3.7530	.00523	.37898	.00197
Check ?	Chk Warn	Chk Warn	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000	10.000	200.00	50.000						
Low Limit	-1.0000	-.00300	-.20000	-.02000						

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01502**	**-.00250**	**.06018**	**.29411**	**.09539**	**.00891**
Stddev	.00004	.00017	.02017	.00074	.00028	.00051
%RSD	.27642	6.7252	33.509	.25322	.29254	5.7015
#1	.01499	-.00238	.04592	.29464	.09519	.00855
#2	.01505	-.00262	.07444	.29359	.09559	.00927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6749.4**	**87385.**	**6780.0**
Stddev	19.5	414.	41.0
%RSD	.28927	.47374	.60496
#1	6735.6	87678.	6751.0
#2	6763.2	87092.	6809.0

Sample Name: 280-49001-g-2-a Acquired: 11/12/2013 3:32:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**7.5947**	**.01124**	**2.4282**	**.38486**	**.00036**	**-.00652**	**122.57**	**.00064**	**.00261**
Stddev	.00000	.0014	.00036	.0007	.00042	.00002	.00184	.27	.00022	.00007
%RSD	.57893	.01789	3.1831	.02866	.11007	5.6299	28.306	.21859	33.359	2.8454
#1	.00038	7.5937	.01149	2.4277	.38456	.00037	-.00521	122.38	.00049	.00266
#2	.00038	7.5956	.01098	2.4287	.38516	.00034	-.00782	122.76	.00080	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00692**	**.05724**	**6.1572**	**36.840**	**.27891**	**25.111**	**.33392**	**.00651**	**359.42**	**.01957**
Stddev	.00001	.00008	.0422	.072	.00197	.092	.00149	.00040	.23	.00007
%RSD	.18347	.14391	.68546	.19623	.70493	.36739	.44477	6.1750	.06372	.37751
#1	.00693	.05718	6.1274	36.891	.28030	25.177	.33497	.00679	359.25	.01962
#2	.00691	.05729	6.1870	36.789	.27752	25.046	.33287	.00622	359.58	.01952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.73164**	**.00584**	**113.33**	**-.00409**	**.00020**	**20.158**	**43.138**	**.00106**	**2.1067**	**.00146**
Stddev	.00620	.00036	.01	.00208	.00237	.141	.302	.00027	.0009	.00104
%RSD	.84685	6.1094	.00849	50.823	1215.7	.69934	.69934	25.811	.04112	71.375
#1	.73602	.00609	113.33	-.00556	-.00148	20.058	42.925	.00086	2.1061	.00072
#2	.72726	.00559	113.32	-.00262	.00187	20.258	43.352	.00125	2.1073	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18542**	**.00065**	**-.02743**	**.02345**	**.06084**	**.01006**
Stddev	.00053	.00129	.00669	.00048	.00017	.00194
%RSD	.28408	197.20	24.396	2.0257	.27996	19.242
#1	.18505	-.00026	-.03216	.02379	.06072	.01143
#2	.18580	.00156	-.02270	.02312	.06096	.00869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8229.3**	**110510.**	**7110.2**
Stddev	11.1	690.	2.0
%RSD	.13436	.62394	.02835
#1	8237.1	110030.	7111.6
#2	8221.4	111000.	7108.7

Sample Name: 280-48952-a-2-a Acquired: 11/12/2013 3:34:55 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.30038**	**-.00002**	**.53014**	**.04715**	**-.00002**	**-.00215**	**204.55**	**.00067**	**.00066**
Stddev	.00049	.00311	.00123	.00192	.00031	.00008	.00206	.27	.00006	.00002
%RSD	1221.5	1.0362	6558.3	.36250	.65324	447.17	95.587	.13171	8.7790	2.9956
#1	-.00039	.30258	-.00089	.53150	.04693	-.00007	-.00070	204.75	.00071	.00068
#2	.00031	.29818	.00085	.52878	.04736	.00004	-.00360	204.36	.00063	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.00318**	**.27962**	**12.113**	**.13802**	**50.047**	**.06032**	**.00249**	**203.54**	**.00565**
Stddev	.00007	.00061	.00197	.024	.00232	.091	.00017	.00000	.03	.00004
%RSD	10.558	19.225	.70452	.19767	1.6809	.18153	.27700	.01586	.01522	.65364
#1	.00061	.00275	.27822	12.130	.13638	50.112	.06044	.00249	203.52	.00562
#2	.00071	.00362	.28101	12.096	.13966	49.983	.06020	.00249	203.56	.00568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**-.00103**	F **300.76**	**-.00304**	**.00101**	**4.6882**	**10.033**	**-.00023**	**4.7549**	**-.00157**
Stddev	.00102	.00005	.02	.00036	.00208	.0006	.001	.00051	.0047	.00020
%RSD	1.9911	5.1491	.00816	11.914	206.70	.01363	.01363	222.75	.09804	13.050
#1	.05194	-.00107	300.78	-.00329	-.00046	4.6877	10.032	.00013	4.7582	-.00171
#2	.05050	-.00100	300.74	-.00278	.00248	4.6887	10.034	-.00059	4.7516	-.00142
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00715**	**.00122**	**.01971**	**.00170**	**.00899**	**.00405**
Stddev	.00017	.00088	.01047	.00003	.00065	.00157
%RSD	2.3994	71.616	53.128	1.9026	7.2473	38.796
#1	.00703	.00060	.01231	.00173	.00945	.00516
#2	.00727	.00184	.02712	.00168	.00853	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**108730.**	**6940.0**
Stddev	4.6	578.	22.2
%RSD	.05731	.53202	.31992
#1	8074.5	108320.	6924.3
#2	8067.9	109140.	6955.7

Sample Name: 280-48973-e-1-a Acquired: 11/12/2013 3:37:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.16248**	**.00230**	**.20730**	**.05577**	**.00000**	**-.00313**	**46.800**	**.00021**	**.00028**
Stddev	.00018	.00027	.00269	.00128	.00054	.0000	.00108	.084	.00011	.00015
%RSD	56.057	.16466	116.93	.61516	.96672	1731.9	34.413	.17914	54.037	52.369
#1	.00045	.16267	.00420	.20820	.05615	-.00002	-.00390	46.859	.00029	.00039
#2	.00019	.16229	.00040	.20640	.05539	.00002	-.00237	46.741	.00013	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00099**	**.01144**	**.94634**	**50.625**	**.01658**	**11.953**	**.11322**	**.00205**	**90.072**	**.00342**
Stddev	.00004	.00016	.00003	.065	.00228	.053	.00053	.00004	.035	.00025
%RSD	3.6657	1.3746	.00349	.12897	13.739	.44236	.47087	2.1999	.03849	7.4043
#1	.00101	.01155	.94636	50.672	.01819	11.990	.11359	.00208	90.097	.00324
#2	.00096	.01133	.94632	50.579	.01497	11.915	.11284	.00201	90.048	.00360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31476**	**-.00017**	**28.466**	**-.00260**	**.00135**	**4.0515**	**8.6701**	**.00020**	**.30373**	**-.00182**
Stddev	.00075	.00049	.061	.00062	.00053	.0331	.0707	.00101	.00089	.00092
%RSD	.23980	291.03	.21292	23.869	39.045	.81592	.81592	497.87	.29386	50.542
#1	.31423	-.00051	28.509	-.00304	.00172	4.0748	8.7202	.00092	.30436	-.00247
#2	.31530	.00018	28.424	-.00216	.00098	4.0281	8.6201	-.00051	.30310	-.00117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00109**	**.00014**	**.01876**	**.00064**	**.04050**	**.00486**
Stddev	.00011	.00099	.04804	.00014	.00029	.00139
%RSD	9.7380	692.87	256.09	22.522	.72096	28.626
#1	.00117	.00084	.05272	.00074	.04030	.00388
#2	.00102	-.00056	-.01521	.00054	.04071	.00585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8400.6**	**112720.**	**6927.3**
Stddev	22.1	709.	8.6
%RSD	.26279	.62919	.12464
#1	8385.0	112220.	6933.4
#2	8416.3	113220.	6921.1

Sample Name: 280-48836-c-13-f Acquired: 11/12/2013 3:39:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00164**	**.00208**	**.04415**	**.40736**	**-.00008**	**-.00069**	**4.8879**	**.00012**	**-.00012**
Stddev	.00033	.00028	.00304	.00024	.00009	.00009	.00055	.0468	.00012	.00005
%RSD	70.635	16.960	146.34	.53361	.02312	120.94	79.188	.95823	96.200	40.128
#1	.00023	.00144	-.00007	.04432	.40743	-.00001	-.00108	4.9211	.00020	-.00015
#2	.00069	.00184	.00423	.04399	.40729	-.00014	-.00030	4.8548	.00004	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00083**	**.28937**	**1.7336**	**.00617**	**.93965**	**.00554**	**.00026**	**195.02**	**.00062**
Stddev	.00002	.00007	.00138	.0030	.00124	.00099	.00003	.00012	.03	.00041
%RSD	23.350	8.4695	.47641	.17245	20.148	.10527	.58106	47.116	.01623	66.133
#1	.00008	.00088	.29035	1.7315	.00704	.93895	.00551	.00017	195.00	.00033
#2	.00011	.00078	.28840	1.7357	.00529	.94035	.00556	.00034	195.04	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03174**	**-.00097**	**.51727**	**-.00262**	**-.00072**	**6.4407**	**13.783**	**.00011**	**.31085**	**-.00006**
Stddev	.00030	.00123	.02354	.00031	.00009	.0774	.166	.00010	.00067	.00094
%RSD	.95914	126.80	4.5513	11.670	12.165	1.2018	1.2018	90.869	.21498	1709.3
#1	.03152	-.00184	.53391	-.00241	-.00066	6.4954	13.900	.00019	.31132	.00061
#2	.03196	-.00010	.50062	-.00284	-.00078	6.3860	13.666	.00004	.31038	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**-.00020**	**.01703**	**.00026**	**.00267**	**.00354**
Stddev	.00012	.00100	.00432	.00063	.00023	.00129
%RSD	52.004	501.19	25.376	242.28	8.4946	36.562
#1	-.00014	-.00091	.02008	.00070	.00251	.00262
#2	-.00030	.00051	.01397	-.00018	.00283	.00445
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8329.9**	**111900.**	**6931.8**
Stddev	16.3	140.	35.0
%RSD	.19514	.12544	.50426
#1	8318.4	112000.	6907.1
#2	8341.4	111800.	6956.5

Sample Name: 280-48836-c-14-d Acquired: 11/12/2013 3:41:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200232 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00066**	**.01215**	**.00003**	**.18040**	**.30747**	**.00000**	**-.00132**	**2.5656**	**-.00006**	**-.00010**
Stddev	.00016	.00049	.00133	.00052	.00160	.0000	.00152	.0187	.00008	.00023
%RSD	24.704	4.0198	4908.4	.28877	.52199	3169.5	114.68	.73051	128.55	232.24
#1	.00077	.01250	-.00091	.18077	.30861	.00001	-.00240	2.5788	-.00001	.00006
#2	.00054	.01181	.00097	.18003	.30634	-.00002	-.00025	2.5523	-.00012	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00111**	**.00180**	**.66036**	**2.5241**	**.07440**	**.33037**	**.01252**	**.00088**	**418.39**	**.00092**
Stddev	.00015	.00003	.00899	.0077	.00267	.00204	.00005	.00007	1.32	.00002
%RSD	13.443	1.4481	1.3611	.30455	3.5824	.61717	.39846	7.8051	.31435	1.8680
#1	.00122	.00178	.66672	2.5296	.07628	.33181	.01256	.00093	419.32	.00093
#2	.00101	.00182	.65400	2.5187	.07251	.32893	.01249	.00083	417.46	.00091
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03721**	**-.00166**	**.48778**	**-.00316**	**-.00083**	**8.9581**	**19.170**	**.00014**	**.39472**	**-.00348**
Stddev	.00095	.00070	.01375	.00255	.00214	.0666	.142	.00135	.00143	.00129
%RSD	2.5526	42.254	2.8197	80.592	259.04	.74308	.74308	997.14	.36181	37.168
#1	.03788	-.00216	.49751	-.00496	-.00234	9.0052	19.271	.00109	.39573	-.00440
#2	.03654	-.00117	.47806	-.00136	.00069	8.9111	19.070	-.00082	.39371	-.00257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00021**	**.03241**	**-.00002**	**.00279**	**.00292**
Stddev	.00000	.00003	.01775	.00004	.00008	.00236
%RSD	1.2998	13.830	54.775	178.69	2.8863	80.818
#1	-.00021	.00023	.04497	.00001	.00274	.00125
#2	-.00021	.00019	.01986	-.00005	.00285	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8093.9**	**107400.**	**6801.6**
Stddev	55.8	1036.	42.0
%RSD	.68882	.96458	.61745
#1	8133.3	106670.	6831.3
#2	8054.5	108130.	6771.9

Sample Name: CCVH-2372891 Acquired: 11/12/2013 3:44:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**50.503**	**.00421**	**.01204**	**-.00010**	**-.00007**	W **1.0967**	**.02260**	**.00000**	**-.00017**	**.00010**	**.01077**
Stddev	.00081	.081	.00092	.00094	.00012	.00004	.0061	.00229	.0000	.00019	.00001	.00004
%RSD	10.189	.16129	21.909	7.7700	128.30	49.780	.55471	10.146	10528.	111.05	10.267	.34037
#1	.00854	50.561	.00355	.01270	-.00018	-.00010	1.0924	.02422	-.00002	-.00030	.00009	.01075
#2	.00739	50.446	.00486	.01137	-.00001	-.00005	1.1010	.02098	.00002	-.00004	.00011	.01080
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.341**	**.30161**	**.00044**	**.08276**	**.00077**	**-.00042**	**268.67**	**-.00020**	**.00399**	**-.00007**	F **5.6325**	**.00073**
Stddev	.034	.02271	.00108	.00103	.00009	.00005	.71	.00036	.00039	.00079	.0402	.00287
%RSD	.06809	7.5307	247.04	1.2469	11.242	12.797	.26362	178.27	9.6643	1135.3	.71376	394.31
#1	49.365	.31767	-.00033	.08203	.00071	-.00039	268.16	-.00046	.00372	-.00063	5.6040	.00275
#2	49.318	.28555	.00120	.08349	.00083	-.00046	269.17	.00005	.00426	.00049	5.6609	-.00130
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00281**	**.02055**	**.04398**	**-.00016**	**.00040**	**5.0502**	**-.01301**	**.00058**	F **5.4485**	**.00113**	**.00130**	**.05732**
Stddev	.00034	.01081	.02313	.00074	.00003	.0108	.00050	.00065	.0180	.00035	.00024	.00039
%RSD	12.016	52.602	52.602	452.85	6.2698	.21469	3.8615	111.47	.33113	30.889	18.568	.67624
#1	-.00257	.02819	.06033	-.00069	.00038	5.0425	-.01266	.00012	5.4613	.00137	.00113	.05705
#2	-.00304	.01291	.02762	.00036	.00042	5.0579	-.01337	.00104	5.4357	.00088	.00148	.05760
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8405.5**	**110550.**	**6752.7**
Stddev	69.7	436.	2.4
%RSD	.82898	.39426	.03538
#1	8356.2	110860.	6751.0
#2	8454.7	110240.	6754.4

Sample Name: CCV-2372889 Acquired: 11/12/2013 3:46:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50343**	**.52375**	**1.0076**	**.52097**	**.51069**	**.48502**	**-.00306**	**4.9414**	**.50933**	**.50684**	**.50840**	**.51226**	**2.3872**
Stddev	.00136	.00344	.0028	.00107	.00141	.00093	.00066	.0230	.00096	.00033	.00112	.00059	.0152
%RSD	.27026	.65696	.27678	.20584	.27557	.19169	21.417	.46457	.18922	.06567	.21947	.11425	.63454
#1	.50440	.52619	1.0096	.52172	.51169	.48437	-.00260	4.9252	.51001	.50707	.50919	.51268	2.3765
#2	.50247	.52132	1.0057	.52021	.50970	.48568	-.00352	4.9577	.50865	.50660	.50761	.51185	2.3979
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.556**	**1.0057**	**19.559**	**.49488**	**.51496**	F **5.8675**	**.51370**	**1.0274**	**1.0306**	**.36891**	**1.0416**	**1.0237**	**4.7383**
Stddev	.062	.0013	.014	.00035	.00011	.0115	.00323	.0031	.0020	.00688	.0020	.0018	.0389
%RSD	.11942	.12689	.07377	.07156	.02075	.19554	.62857	.30475	.19148	1.8646	.18816	.17433	.82026
#1	51.512	1.0066	19.569	.49513	.51503	5.8757	.51142	1.0252	1.0292	.37378	1.0402	1.0224	4.7108
#2	51.599	1.0048	19.548	.49463	.51488	5.8594	.51598	1.0296	1.0320	.36405	1.0430	1.0249	4.7658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.140**	**1.0186**	**.50550**	**-.00432**	**.49392**	**1.0393**	**.03846**	**.49700**	**.48976**	**.49789**
Stddev	.083	.0018	.00039	.00049	.00014	.0009	.00087	.00030	.00087	.00305
%RSD	.82026	.17767	.07684	11.309	.02892	.08915	2.2587	.05993	.17667	.61215
#1	10.081	1.0199	.50523	-.00397	.49402	1.0387	.03785	.49679	.48915	.49574
#2	10.199	1.0173	.50577	-.00466	.49382	1.0400	.03907	.49721	.49037	.50005
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8678.8**	**117620.**	**7177.8**
Stddev	5.9	606.	63.4
%RSD	.06810	.51524	.88357
#1	8674.6	117200.	7222.6
#2	8683.0	118050.	7132.9

Sample Name: CCB Acquired: 11/12/2013 3:48:52 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00347**	**.00095**	F **.00861**	**.00011**	**.00023**	**-.00063**	**.00737**	**.00009**	**.00023**	**.00008**	**-.00045**
Stddev	.00004	.00004	.00079	.00035	.00020	.00014	.00011	.00016	.00011	.00003	.00003	.00029
%RSD	5.8406	1.0598	83.549	4.0951	183.27	62.334	17.327	2.1042	114.90	13.664	32.808	63.536
#1	.00080	-.00345	.00150	.00837	.00026	.00033	-.00071	.00748	.00017	.00021	.00010	-.00025
#2	.00074	-.00350	.00039	.00886	-.00003	.00013	-.00056	.00726	.00002	.00025	.00006	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00691**	**.15039**	**.00014**	**.00355**	**.00009**	**.00013**	F **.62336**	**.00040**	**-.00039**	**-.00008**	F **.36581**	**.00163**
Stddev	.00916	.02156	.00307	.00150	.00001	.00009	.10065	.00024	.00183	.00029	.00281	.00089
%RSD	132.70	14.333	2193.2	42.381	6.5918	69.359	16.147	59.409	464.06	354.29	.76797	54.279
#1	.01339	.13515	-.00203	.00461	.00008	.00006	.69453	.00057	.00090	-.00028	.36780	.00101
#2	.00043	.16563	.00231	.00249	.00009	.00019	.55218	.00023	-.00169	.00012	.36383	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit							.18320				.20000	
Low Limit							-.18320				-.20000	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01821**	**.03896**	**.00057**	W **.00040**	**-.00043**	**-.00022**	**-.00024**	**.01376**	**-.00005**	**.00233**	**.00231**
Stddev	.00010	.00192	.00410	.00041	.00030	.00058	.00009	.00003	.03930	.00045	.00012	.00001
%RSD	7.1708	10.528	10.528	72.323	75.617	135.55	43.522	13.423	285.54	946.81	5.3269	.29011
#1	-.00128	.01956	.04186	.00028	.00062	-.00083	-.00028	-.00027	.04155	-.00036	.00242	.00232
#2	-.00142	.01685	.03606	.00086	.00019	-.00002	-.00015	-.00022	-.01403	.00027	.00224	.00231
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00030							
Low Limit					-.00030							

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8697.6**	**119420.**	**6992.6**
Stddev	5.7	580.	6.0
%RSD	.06570	.48534	.08635
#1	8693.6	119010.	6996.9
#2	8701.7	119830.	6988.3

Sample Name: CCVL2372865 Acquired: 11/12/2013 3:51:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01152**	F **.13874**	**.01792**	**.10911**	**.01061**	**.00110**	**.12930**	F **.32818**	**.00564**	**.01136**	**.01123**	**.01692**	F **.16354**
Stddev	.00015	.00052	.00105	.00024	.00024	.00005	.00218	.00148	.00003	.00009	.00009	.00008	.00232
%RSD	1.2609	.37340	5.8629	.22446	2.2949	4.2543	1.6885	.45151	.50083	.80196	.82712	.44965	1.4186
#1	.01142	.13838	.01867	.10893	.01078	.00107	.13084	.32713	.00566	.01142	.01116	.01687	.16518
#2	.01163	.13911	.01718	.10928	.01044	.00113	.12775	.32922	.00562	.01129	.01129	.01698	.16190
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		.10000						.20000					.10000
Range		30.000%						30.000%					30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.4712**	**.01087**	**.22098**	**.01141**	**.02137**	F **1.7301**	**.04541**	**3.1381**	**.00945**	**.33366**	**.00738**	**.01606**	**.49607**
Stddev	.0095	.00033	.00146	.00009	.00015	.0186	.00004	.0105	.00023	.00620	.00175	.00019	.01905
%RSD	.27267	3.0310	.66060	.78815	.72237	1.0730	.08588	.33361	2.4353	1.8594	23.780	1.1817	3.8392
#1	3.4779	.01110	.21995	.01147	.02148	1.7433	.04543	3.1307	.00961	.33805	.00614	.01593	.48260
#2	3.4645	.01064	.22201	.01135	.02126	1.7170	.04538	3.1455	.00929	.32927	.00862	.01620	.50953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0616**	**.11302**	**.01123**	**.01632**	**.00998**	**.01701**	F **.09678**	**.01063**	F **.04567**	F **.01966**
Stddev	.0408	.00026	.00000	.00111	.00024	.00028	.04292	.00002	.00042	.00116
%RSD	3.8392	.23274	.01718	6.8198	2.3768	1.6438	44.350	.20118	.91952	5.8938
#1	1.0328	.11320	.01123	.01554	.01015	.01721	.12713	.01064	.04537	.02048
#2	1.0904	.11283	.01123	.01711	.00981	.01681	.06643	.01061	.04597	.01884
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Fail
Value							.06000		.02000	.01500
Range							30.000%		30.000%	30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8811.9**	**120380.**	**7146.2**
Stddev	21.1	133.	26.6
%RSD	.23986	.11025	.37188
#1	8797.0	120290.	7164.9
#2	8826.9	120470.	7127.4

Sample Name: mb 280-200278/1-a Acquired: 11/12/2013 3:53:28 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**-.00288**	**.00175**	W **.00619**	**-.00044**	**.00002**	**-.00014**	**.00713**	**.00012**	**.00015**
Stddev	.00021	.00009	.00204	.00014	.00023	.00006	.00022	.00629	.00000	.00001
%RSD	40.489	3.1557	116.33	2.2336	52.468	374.39	157.39	88.239	1.3888	6.8479
#1	.00036	-.00281	.00319	.00609	-.00028	-.00003	.00002	.01158	.00012	.00016
#2	.00065	-.00294	.00031	.00629	-.00060	.00006	-.00030	.00268	.00012	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00392						
Low Limit				-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00017**	**.00071**	**.10554**	**-.00102**	**.00014**	**.00012**	**-.00009**	W **.49119**	**.00038**
Stddev	.0000	.00017	.00396	.05207	.00194	.00178	.00001	.00017	.00718	.00004
%RSD	1044.8	95.884	560.28	49.334	190.73	1313.2	9.1159	195.42	1.4622	11.594
#1	-.00002	.00006	.00350	.14236	-.00239	-.00113	.00013	-.00020	.49627	.00035
#2	.00001	.00029	-.00209	.06873	.00036	.00140	.00011	.00003	.48611	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**-.00026**	F **.23359**	**-.00120**	**.00019**	F **.02106**	**.04506**	**.00030**	**.00003**	**-.00036**
Stddev	.00149	.00058	.00262	.00040	.00310	.00381	.00815	.00007	.00012	.00088
%RSD	289.23	221.84	1.1202	33.763	1672.6	18.094	18.094	24.398	471.26	245.61
#1	-.00157	-.00068	.23174	-.00148	.00238	.02375	.05083	.00035	-.00006	.00026
#2	.00054	.00015	.23544	-.00091	-.00201	.01836	.03930	.00024	.00011	-.00098
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.01000			.01000				
Low Limit			-.01000			-.01000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00025**	**.01794**	**-.00003**	W **.00412**	**.00552**
Stddev	.00034	.00022	.00316	.00042	.00031	.00055
%RSD	221.75	87.837	17.629	1594.0	7.4261	9.8788
#1	.00009	.00040	.02018	.00027	.00434	.00591
#2	-.00039	.00009	.01570	-.00032	.00391	.00514
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8944.7**	**121890.**	**7188.3**
Stddev	6.0	656.	14.7
%RSD	.06703	.53818	.20510
#1	8940.5	122350.	7198.7
#2	8948.9	121430.	7177.9

Sample Name: lcs 280-200278/2-a Acquired: 11/12/2013 3:55:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05255**	**1.9986**	**1.0276**	**1.0423**	**2.1131**	**.04937**	**2.3584**	**48.965**	**.10927**	**.50582**
Stddev	.00002	.0021	.0007	.0021	.0037	.00017	.0055	.047	.00038	.00023
%RSD	.03764	.10700	.06785	.20394	.17569	.33451	.23120	.09532	.34676	.04621
#1	.05256	1.9971	1.0281	1.0408	2.1104	.04926	2.3546	48.932	.10900	.50565
#2	.05253	2.0001	1.0271	1.0438	2.1157	.04949	2.3623	48.998	.10954	.50598
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20868**	**.26787**	**.99131**	**53.395**	**1.0403**	**49.842**	**.50498**	**1.0441**	F **56.053**	**.50941**
Stddev	.00005	.00056	.00868	.088	.0006	.052	.00052	.0007	.390	.00028
%RSD	.02174	.20919	.87601	.16409	.06195	.10480	.10255	.06812	.69609	.05421
#1	.20871	.26827	.98517	53.333	1.0398	49.879	.50534	1.0436	55.777	.50961
#2	.20864	.26748	.99745	53.457	1.0407	49.805	.50461	1.0446	56.329	.50922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									56.000	
Low Limit									45.500	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.470**	**.50091**	**.26203**	**.51090**	**2.0565**	**9.6945**	**20.746**	**2.0437**	**1.0432**	**1.0343**
Stddev	.029	.00045	.00286	.00282	.0027	.0997	.213	.0004	.0002	.0009
%RSD	.27671	.08975	1.0899	.55273	.12901	1.0288	1.0288	.02032	.01613	.08407
#1	10.449	.50059	.26405	.50891	2.0546	9.6240	20.595	2.0434	1.0433	1.0349
#2	10.490	.50122	.26001	.51290	2.0583	9.7650	20.897	2.0440	1.0431	1.0336
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0209**	**1.9995**	**2.2281**	**.51633**	**.49502**	**.51900**
Stddev	.0010	.0046	.0088	.00071	.00001	.00404
%RSD	.09423	.23266	.39421	.13759	.00205	.77844
#1	1.0216	2.0028	2.2343	.51583	.49501	.51614
#2	1.0202	1.9962	2.2218	.51683	.49502	.52185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.7**	**114680.**	**7157.3**
Stddev	14.7	212.	9.8
%RSD	.17264	.18504	.13739
#1	8493.3	114530.	7150.3
#2	8514.1	114830.	7164.2

Sample Name: 280-48836-c-13-g Acquired: 11/12/2013 3:57:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00119**	**.00071**	**.03206**	**.38424**	**.00000**	**-.00199**	**4.5363**	**.00000**	**-.00004**
Stddev	.00013	.00021	.00206	.00029	.00023	.00004	.00089	.0086	.00011	.00013
%RSD	32.870	17.379	292.30	.89463	.05877	6072.6	44.909	.18924	4570.4	315.54
#1	.00030	.00104	-.00075	.03186	.38408	-.00003	-.00136	4.5303	.00008	-.00013
#2	.00049	.00133	.00216	.03227	.38440	.00003	-.00262	4.5424	-.00007	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00079**	**.27358**	**1.2824**	**.00844**	**.87376**	**.00540**	**.00073**	**182.91**	**.00063**
Stddev	.00002	.00006	.00081	.0084	.00033	.00346	.00001	.00007	.39	.00022
%RSD	10.377	7.7268	.29455	.65437	3.8858	.39569	.14316	8.8757	.21539	35.370
#1	.00014	.00083	.27301	1.2765	.00867	.87132	.00541	.00078	182.63	.00047
#2	.00017	.00075	.27415	1.2884	.00821	.87621	.00540	.00069	183.19	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02425**	**-.00056**	**.28569**	**-.00233**	**.00209**	**5.9535**	**12.740**	**.00032**	**.29226**	**-.00055**
Stddev	.00010	.00036	.00218	.00012	.00091	.0119	.025	.00006	.00007	.00090
%RSD	.40345	63.903	.76207	5.2223	43.377	.20005	.20005	18.644	.02393	164.54
#1	.02432	-.00031	.28723	-.00224	.00273	5.9451	12.722	.00037	.29231	.00009
#2	.02418	-.00082	.28415	-.00242	.00145	5.9619	12.759	.00028	.29221	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.00130**	**.01614**	**.00028**	**.00299**	**.00316**
Stddev	.00023	.00104	.02059	.00020	.00020	.00026
%RSD	109.53	80.014	127.58	70.434	6.7341	8.3198
#1	-.00005	.00056	.03070	.00014	.00313	.00297
#2	-.00038	.00203	.00158	.00042	.00285	.00335
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8465.0**	**114440.**	**7219.2**
Stddev	22.8	55.	16.8
%RSD	.26954	.04794	.23227
#1	8448.9	114400.	7207.3
#2	8481.2	114480.	7231.0

Sample Name: 280-48836-c-14-e Acquired: 11/12/2013 4:00:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.01152**	**.00091**	**.17061**	**.30161**	**-.00004**	**-.00270**	**2.4938**	**.00010**	**-.00019**
Stddev	.00011	.00042	.00166	.00188	.00170	.00005	.00090	.0088	.00014	.00002
%RSD	17.541	3.6416	182.78	1.1001	.56286	118.80	33.454	.35098	140.80	9.4481
#1	.00071	.01182	-.00027	.17194	.30281	-.00007	-.00333	2.4876	.00020	-.00018
#2	.00055	.01122	.00209	.16929	.30040	-.00001	-.00206	2.5000	.00000	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00110**	**.64371**	**2.1368**	**.07253**	**.32598**	**.01248**	**.00109**	**409.87**	**.00086**
Stddev	.00007	.00005	.00459	.0016	.00025	.00064	.00001	.00001	1.80	.00030
%RSD	5.9402	4.9832	.71256	.07350	.34385	.19547	.06552	.85965	.43976	35.008
#1	.00105	.00114	.64047	2.1357	.07235	.32553	.01248	.00110	411.14	.00107
#2	.00114	.00106	.64695	2.1379	.07271	.32643	.01247	.00109	408.59	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02465**	**-.00054**	**.34085**	**-.00359**	**.00318**	**8.7137**	**18.647**	**-.00029**	**.38678**	**-.00074**
Stddev	.00115	.00011	.00804	.00084	.00059	.0301	.064	.00059	.00155	.00052
%RSD	4.6786	21.125	2.3577	23.354	18.700	.34545	.34545	202.07	.39977	71.013
#1	.02383	-.00046	.34653	-.00299	.00276	8.6924	18.602	.00013	.38787	-.00037
#2	.02546	-.00062	.33517	-.00418	.00360	8.7350	18.693	-.00071	.38569	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00073**	**.00755**	**.00032**	**.00260**	**.00272**
Stddev	.00030	.00228	.02883	.00008	.00013	.00223
%RSD	4110.8	312.43	381.81	25.782	5.1583	81.832
#1	-.00022	.00088	-.01284	.00026	.00250	.00115
#2	.00021	-.00234	.02794	.00038	.00269	.00429
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8077.1**	**110070.**	**7154.5**
Stddev	22.2	27.	2.5
%RSD	.27460	.02410	.03497
#1	8092.8	110050.	7156.3
#2	8061.4	110090.	7152.8

Sample Name: 280-48836-c-14-eSD@5 Acquired: 11/12/2013 4:02:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00798**	**.00095**	**.04061**	**.06372**	**-.00004**	**.00074**	**.54020**	**.00015**	**.00013**
Stddev	.00009	.00004	.00115	.00056	.00063	.00006	.00029	.00068	.00030	.00016
%RSD	32.291	.49409	121.26	1.3874	.98753	151.30	39.261	.12556	202.55	123.75
#1	.00021	.00801	.00177	.04101	.06416	-.00009	.00053	.53972	-.00006	.00024
#2	.00034	.00795	.00014	.04021	.06327	.00000	.00094	.54068	.00036	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00051**	**.14718**	**.53847**	**.01242**	**.06958**	**.00281**	**.00008**	**86.682**	**.00059**
Stddev	.00000	.00028	.00200	.00135	.00127	.00152	.00012	.00016	.124	.00019
%RSD	.08823	54.362	1.3568	.25072	10.245	2.1857	4.2598	216.01	.14275	32.520
#1	.00029	.00071	.14577	.53751	.01152	.06851	.00290	.00019	86.769	.00045
#2	.00029	.00032	.14859	.53942	.01332	.07066	.00273	-.00004	86.594	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**-.00017**	**.23681**	**-.00259**	**-.00273**	**1.8259**	**3.9074**	**.00167**	**.08173**	**.00023**
Stddev	.00011	.00028	.00055	.00036	.00191	.0004	.0008	.00001	.00069	.00091
%RSD	7.9429	157.93	.23405	13.759	70.046	.01947	.01947	.38409	.83999	396.56
#1	.00151	-.00037	.23720	-.00234	-.00408	1.8256	3.9068	.00167	.08221	.00088
#2	.00135	.00002	.23642	-.00285	-.00138	1.8261	3.9079	.00168	.08124	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00079**	**.00053**	**.00049**	**.00658**	**.00128**
Stddev	.00003	.00076	.04693	.00028	.00015	.00022
%RSD	4.9260	96.081	8913.4	56.052	2.3019	17.364
#1	-.00051	.00132	-.03266	.00069	.00647	.00112
#2	-.00055	.00025	.03371	.00030	.00669	.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8204.6**	**110110.**	**6587.7**
Stddev	12.2	74.	15.8
%RSD	.14850	.06689	.24018
#1	8213.3	110060.	6598.9
#2	8196.0	110160.	6576.5

Sample Name: 280-48836-c-14-f ms Acquired: 11/12/2013 4:05:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05334**	**1.9203**	**1.0124**	**1.1517**	**2.3234**	**.04745**	F **2.2284**	**49.634**	**.10644**	**.48158**
Stddev	.00075	.0044	.0017	.0005	.0051	.00008	.0035	.141	.00033	.00088
%RSD	1.4121	.23057	.16633	.04174	.21849	.16266	.15883	.28407	.30964	.18330
#1	.05387	1.9171	1.0112	1.1513	2.3198	.04750	2.2259	49.734	.10621	.48096
#2	.05280	1.9234	1.0136	1.1520	2.3270	.04739	2.2309	49.534	.10667	.48221
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20147**	**.25479**	**1.5708**	**55.349**	**1.0790**	**48.004**	**.49804**	**1.0106**	**469.11**	**.48807**
Stddev	.00036	.00141	.0034	.012	.0027	.038	.00037	.0020	.02	.00051
%RSD	.17999	.55264	.21789	.02092	.24785	.08015	.07522	.20202	.00480	.10403
#1	.20121	.25579	1.5733	55.341	1.0809	47.977	.49777	1.0091	469.09	.48771
#2	.20172	.25380	1.5684	55.357	1.0771	48.032	.49830	1.0120	469.13	.48843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.408**	**.47149**	**.31516**	**.48983**	**2.0099**	**18.506**	**39.603**	**1.9617**	**1.3899**	**.99961**
Stddev	.016	.00040	.00269	.00214	.0053	.102	.219	.0040	.0012	.00057
%RSD	.15792	.08378	.85460	.43698	.26241	.55188	.55188	.20536	.08566	.05702
#1	10.396	.47177	.31326	.49135	2.0062	18.434	39.449	1.9589	1.3891	1.0000
#2	10.420	.47121	.31707	.48832	2.0136	18.578	39.758	1.9646	1.3907	.99921
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98480**	**1.7988**	**2.0979**	**.50152**	**.49957**	**.50468**
Stddev	.00085	.0038	.0096	.00250	.00107	.00254
%RSD	.08635	.21347	.45784	.49838	.21392	.50275
#1	.98540	1.8015	2.0911	.50329	.50033	.50289
#2	.98419	1.7961	2.1047	.49975	.49882	.50648
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8036.2**	**106500.**	**6754.0**
Stddev	23.7	477.	87.8
%RSD	.29539	.44796	1.2992
#1	8053.0	106840.	6691.9
#2	8019.4	106170.	6816.0

Sample Name: 280-48836-c-14-g msd Acquired: 11/12/2013 4:07:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05303**	**1.9190**	**1.0219**	**1.1554**	**2.3441**	**.04789**	F **2.2510**	**49.964**	**.10686**	**.48499**
Stddev	.00054	.0023	.0010	.0026	.0164	.00032	.0062	.386	.00019	.00032
%RSD	1.0270	.11764	.10166	.22058	.69938	.66364	.27518	.77234	.17313	.06555
#1	.05342	1.9174	1.0212	1.1536	2.3557	.04811	2.2466	50.237	.10673	.48477
#2	.05265	1.9206	1.0227	1.1572	2.3325	.04766	2.2553	49.691	.10699	.48522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20324**	**.25811**	**1.5888**	**55.580**	**1.0882**	**47.760**	**.49981**	**1.0156**	**472.04**	**.48993**
Stddev	.00025	.00212	.0016	.247	.0050	.059	.00039	.0013	2.46	.00046
%RSD	.12384	.82069	.09889	.44487	.46186	.12401	.07833	.12431	.52117	.09346
#1	.20306	.25961	1.5899	55.755	1.0918	47.718	.49953	1.0147	473.78	.48960
#2	.20342	.25661	1.5877	55.406	1.0847	47.802	.50009	1.0165	470.30	.49025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.468**	**.47413**	**.33371**	**.48889**	**2.0196**	**18.635**	**39.880**	**1.9633**	**1.4028**	**1.0096**
Stddev	.018	.00085	.00280	.00503	.0123	.114	.243	.0062	.0061	.0019
%RSD	.17503	.17908	.83985	1.0296	.60930	.60957	.60957	.31663	.43712	.18837
#1	10.455	.47473	.33173	.49245	2.0283	18.716	40.051	1.9677	1.4071	1.0110
#2	10.481	.47353	.33570	.48533	2.0109	18.555	39.708	1.9589	1.3984	1.0083
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98806**	**1.8100**	**2.0915**	**.50423**	**.49409**	**.50708**
Stddev	.00053	.0068	.0156	.00021	.00083	.00407
%RSD	.05330	.37677	.74623	.04168	.16886	.80215
#1	.98769	1.8148	2.0804	.50438	.49350	.50996
#2	.98843	1.8052	2.1025	.50409	.49468	.50421
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8139.3**	**108450.**	**6988.7**
Stddev	.7	494.	28.3
%RSD	.00834	.45506	.40440
#1	8138.9	108800.	6968.7
#2	8139.8	108100.	7008.7

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:09:24 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00763**	**50.106**	**.00338**	**.00584**	**.00025**	**-.00008**	F **1.1119**	**.02943**	**-.00010**	**-.00012**	**-.00001**	**.01100**
Stddev	.00019	.039	.00138	.00023	.00006	.00003	.0016	.00140	.00019	.00026	.00013	.00010
%RSD	2.5430	.07752	40.956	3.9266	22.396	35.803	.14382	4.7533	198.12	215.75	1816.0	.90764
#1	.00749	50.134	.00240	.00600	.00029	-.00010	1.1108	.03042	-.00023	-.00031	-.00010	.01093
#2	.00777	50.079	.00436	.00567	.00021	-.00006	1.1131	.02844	.00004	.00006	.00009	.01107
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.240**	**.18554**	**-.00145**	**.08729**	**.00078**	**.00027**	**268.84**	**.00009**	**.00057**	**.00074**	W **5.4957**	**.00135**
Stddev	.023	.00695	.00121	.00294	.00002	.00026	.12	.00003	.00057	.00078	.0095	.00094
%RSD	.04683	3.7474	83.493	3.3632	2.3213	93.248	.04587	32.041	100.90	105.16	.17258	69.509
#1	48.256	.19046	-.00059	.08936	.00079	.00045	268.93	.00007	.00016	.00019	5.5024	.00069
#2	48.224	.18063	-.00230	.08521	.00076	.00009	268.75	.00012	.00097	.00129	5.4890	.00202
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00195**	**.03132**	**.06703**	**-.00009**	**.00056**	**5.0231**	**-.01234**	**.00123**	F **5.4932**	**.00142**	**.00157**	**.05774**
Stddev	.00196	.00886	.01895	.00089	.00005	.0026	.00009	.00134	.0563	.00008	.00006	.00161
%RSD	100.37	28.278	28.278	976.45	8.1678	.05128	.73953	108.48	1.0253	5.9377	3.5618	2.7936
#1	-.00057	.03759	.08043	.00054	.00059	5.0213	-.01240	.00029	5.4534	.00136	.00161	.05660
#2	-.00334	.02506	.05363	-.00072	.00052	5.0249	-.01227	.00218	5.5330	.00148	.00153	.05888
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8633.9**	**115650.**	**7118.5**
Stddev	.2	216.	1.5
%RSD	.00273	.18693	.02123
#1	8634.1	115800.	7117.4
#2	8633.8	115490.	7119.5

Sample Name: CCV-2372889 Acquired: 11/12/2013 4:11:45 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50342**	**.52271**	**1.0089**	**.51679**	**.51107**	**.48538**	**-.00235**	**4.9196**	**.50929**	**.50523**	**.50762**	**.51358**	**2.3738**
Stddev	.00074	.00122	.0030	.00009	.00086	.00174	.00020	.0423	.00141	.00014	.00012	.00067	.0201
%RSD	.14716	.23282	.29967	.01780	.16804	.35940	8.6877	.85895	.27716	.02798	.02387	.12960	.84731
#1	.50289	.52357	1.0068	.51685	.51046	.48415	-.00221	4.9494	.50829	.50513	.50771	.51311	2.3880
#2	.50394	.52185	1.0110	.51672	.51167	.48661	-.00250	4.8897	.51029	.50533	.50753	.51405	2.3596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.631**	**1.0089**	**19.356**	**.49043**	**.51208**	F **5.5307**	**.50995**	**1.0147**	**1.0206**	**.19005**	**1.0357**	**1.0183**	**4.7271**
Stddev	.028	.0018	.030	.00001	.00373	.0228	.00007	.0056	.0047	.00445	.0094	.0044	.0207
%RSD	.05516	.17716	.15384	.00204	.72871	.41299	.01313	.54773	.46220	2.3411	.90419	.43122	.43707
#1	51.611	1.0076	19.335	.49042	.51472	5.5468	.50991	1.0187	1.0239	.19320	1.0423	1.0214	4.7417
#2	51.651	1.0101	19.377	.49043	.50944	5.5145	.51000	1.0108	1.0172	.18691	1.0291	1.0152	4.7125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.116**	**1.0124**	**.50642**	**-.00335**	**.49047**	**1.0312**	**.01347**	**.49632**	**.48272**	**.49535**
Stddev	.044	.0063	.00092	.00112	.00058	.0035	.01532	.00067	.00014	.00362
%RSD	.43707	.62190	.18147	33.502	.11755	.33932	113.71	.13565	.02855	.73025
#1	10.147	1.0169	.50577	-.00256	.49088	1.0337	.02430	.49679	.48282	.49791
#2	10.085	1.0080	.50707	-.00415	.49006	1.0288	.00264	.49584	.48262	.49279
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8875.7**	**121250.**	**7314.6**
Stddev	23.2	26.	34.2
%RSD	.26144	.02182	.46691
#1	8892.1	121230.	7338.8
#2	8859.3	121260.	7290.5

Sample Name: CCB Acquired: 11/12/2013 4:13:54 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00410**	**.00140**	**.00420**	**-.00036**	**.00011**	**-.00267**	**.00342**	**.00024**	**.00009**	**.00000**	**-.00051**
Stddev	.00014	.00019	.00257	.00010	.00006	.00005	.00130	.00154	.00003	.00017	.0000	.00027
%RSD	19.553	4.5857	183.68	2.4320	16.081	44.753	48.866	45.106	10.949	200.79	840.49	53.424
#1	.00062	-.00397	-.00042	.00412	-.00032	.00015	-.00175	.00451	.00022	-.00004	-.00003	-.00032
#2	.00082	-.00423	.00321	.00427	-.00040	.00008	-.00359	.00233	.00026	.00021	.00002	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.09891**	**.00050**	**.00214**	**.00009**	**.00029**	F **.19680**	**.00063**	**-.00316**	**.00039**	**.18949**	**.00244**
Stddev	.00083	.01354	.00292	.00220	.00004	.00002	.01117	.00003	.00045	.00078	.00200	.00147
%RSD	92.546	13.694	585.47	102.80	46.515	6.2541	5.6734	5.2114	14.363	201.05	1.0550	60.237
#1	.00149	.10849	-.00157	.00370	.00013	.00030	.18891	.00061	-.00348	.00093	.19090	.00140
#2	.00031	.08933	.00257	.00059	.00006	.00028	.20470	.00065	-.00284	-.00016	.18807	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.18320					
Low Limit							-.18320					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.00876**	**.01874**	**.00023**	**.00019**	**.00188**	**-.00047**	**-.00019**	**.00543**	**.00022**	**.00193**	W **.00241**
Stddev	.00100	.01324	.02833	.00052	.00007	.00189	.00017	.00053	.01684	.00005	.00044	.00142
%RSD	65.576	151.23	151.23	219.55	37.265	100.63	34.880	274.20	310.05	21.398	22.911	59.040
#1	-.00082	-.00061	-.00130	-.00013	.00014	.00321	-.00059	.00018	.01734	.00026	.00224	.00342
#2	-.00223	.01812	.03877	.00060	.00024	.00054	-.00036	-.00057	-.00648	.00019	.00162	.00141
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8734.4**	**122210.**	**7282.4**
Stddev	15.4	698.	17.6
%RSD	.17595	.57101	.24227
#1	8745.3	122700.	7269.9
#2	8723.6	121720.	7294.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 4:16:13 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.10845**	**.01582**	**.10347**	**.01031**	**.00101**	**.12286**	**.21242**	**.00519**	**.01090**	**.01061**	**.01595**	**.09984**
Stddev	.00029	.00082	.00028	.00022	.00021	.00001	.00191	.00480	.00021	.00015	.00012	.00055	.00413
%RSD	2.6388	.75622	1.7979	.21544	1.9950	.95204	1.5577	2.2593	4.0933	1.3373	1.1110	3.4290	4.1367
#1	.01071	.10787	.01562	.10331	.01016	.00102	.12421	.21581	.00504	.01100	.01053	.01634	.09692
#2	.01111	.10903	.01602	.10363	.01045	.00101	.12150	.20903	.00534	.01079	.01070	.01556	.10276
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2967**	**.01220**	**.21054**	**.01036**	**.02067**	F **1.3057**	**.04293**	**2.9612**	**.00915**	**.16360**	**.00922**	**.01498**	**.50461**
Stddev	.0469	.00135	.00121	.00006	.00019	.0281	.00024	.0064	.00023	.00796	.00037	.00274	.01822
%RSD	1.4222	11.092	.57704	.59832	.92458	2.1493	.55232	.21471	2.4620	4.8683	4.0216	18.313	3.6108
#1	3.2635	.01124	.20968	.01032	.02053	1.2859	.04276	2.9567	.00931	.16923	.00896	.01691	.49173
#2	3.3298	.01316	.21140	.01041	.02080	1.3256	.04310	2.9657	.00899	.15797	.00949	.01304	.51750
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0799**	**.10431**	**.01043**	**.01525**	**.00945**	**.01669**	F **.08647**	**.00997**	**.02310**	**.01672**
Stddev	.0390	.00014	.00029	.00018	.00009	.00067	.02371	.00006	.00020	.00050
%RSD	3.6108	.13500	2.7354	1.1586	.90003	4.0077	27.422	.64982	.86873	2.9656
#1	1.0523	.10421	.01023	.01512	.00951	.01716	.06970	.00993	.02324	.01707
#2	1.1074	.10441	.01064	.01537	.00939	.01622	.10323	.01002	.02295	.01637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8643.4**	**117250.**	**6688.7**
Stddev	25.1	162.	27.7
%RSD	.29027	.13840	.41376
#1	8661.1	117370.	6669.1
#2	8625.6	117140.	6708.3

Sample Name: 280-48983-f-1-d Acquired: 11/12/2013 4:18:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.18449**	**.00112**	**.01484**	**.06502**	**-.00004**	**-.00056**	**38.334**	**.00021**	**.00014**
Stddev	.00057	.00031	.00175	.00031	.00042	.00004	.00006	.222	.00015	.00006
%RSD	198.65	.16688	155.79	2.1101	.63886	108.22	10.550	.57883	72.749	44.402
#1	.00069	.18427	-.00011	.01506	.06473	-.00001	-.00052	38.177	.00010	.00019
#2	-.00012	.18470	.00236	.01462	.06532	-.00007	-.00060	38.491	.00032	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00075**	**.18015**	**1.4267**	**.00385**	**8.1636**	**.01656**	**.00067**	**12.176**	**.00069**
Stddev	.00007	.00041	.00219	.0022	.00195	.0138	.00006	.00006	.060	.00007
%RSD	28.313	54.473	1.2148	.15209	50.663	.16873	.34676	9.0448	.48964	9.9046
#1	.00030	.00046	.17861	1.4252	.00247	8.1733	.01652	.00063	12.134	.00074
#2	.00020	.00104	.18170	1.4283	.00523	8.1539	.01660	.00071	12.219	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00319**	**.00019**	**16.635**	**-.00283**	**-.00017**	**6.0048**	**12.850**	**.00023**	**.33125**	**-.00021**
Stddev	.00088	.00041	.030	.00141	.00082	.0183	.039	.00017	.00176	.00006
%RSD	27.472	208.67	.17782	49.833	488.33	.30545	.30545	71.693	.53230	26.083
#1	.00257	.00048	16.656	-.00383	-.00075	5.9918	12.822	.00012	.33001	-.00025
#2	.00381	-.00009	16.614	-.00183	.00041	6.0178	12.878	.00035	.33250	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**.00031**	**.01883**	**.00063**	**.00463**	**.00251**
Stddev	.00035	.00007	.03734	.00002	.00017	.00302
%RSD	9.9030	24.370	198.32	2.8909	3.5701	120.33
#1	.00377	.00036	-.00758	.00061	.00452	.00464
#2	.00328	.00025	.04524	.00064	.00475	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8495.7**	**114620.**	**6802.4**
Stddev	44.3	196.	53.5
%RSD	.52124	.17115	.78655
#1	8464.4	114480.	6840.3
#2	8527.0	114760.	6764.6

Sample Name: 280-48983-f-2-b Acquired: 11/12/2013 4:20:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.21282**	**.00009**	**.01367**	**.06134**	**-.00002**	**-.00107**	**35.222**	**.00008**	**.00011**
Stddev	.00056	.00256	.00167	.00021	.00010	.00007	.00223	.154	.00011	.00011
%RSD	138.67	1.2038	1943.1	1.5274	.16443	307.46	207.93	.43698	135.19	99.019
#1	.00001	.21101	.00126	.01382	.06141	.00003	-.00265	35.331	.00016	.00003
#2	.00080	.21463	-.00109	.01352	.06127	-.00008	.00050	35.113	.00000	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00072**	**.22891**	**1.3302**	**.00839**	**8.2757**	**.02031**	**.00062**	**17.330**	**.00031**
Stddev	.00010	.00047	.00438	.0191	.00049	.0149	.00000	.00007	.030	.00014
%RSD	86.871	64.878	1.9143	1.4335	5.8076	.18002	.00066	11.691	.17525	45.794
#1	.00005	.00106	.23201	1.3437	.00874	8.2862	.02031	.00067	17.351	.00021
#2	.00019	.00039	.22581	1.3167	.00805	8.2651	.02031	.00057	17.308	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00353**	**-.00028**	**16.997**	**-.00171**	**-.00143**	**5.3770**	**11.507**	**.00001**	**.34147**	**-.00108**
Stddev	.00317	.00116	.007	.00113	.00048	.0237	.051	.00033	.00029	.00023
%RSD	89.783	408.05	.04019	66.285	33.415	.43978	.43978	2308.9	.08504	21.325
#1	.00129	-.00111	16.992	-.00251	-.00177	5.3938	11.543	.00024	.34167	-.00125
#2	.00577	.00054	17.002	-.00091	-.00109	5.3603	11.471	-.00022	.34126	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00346**	**.00032**	**.05207**	**.00102**	**.00307**	**.00280**
Stddev	.00027	.00007	.00676	.00022	.00024	.00079
%RSD	7.8070	23.260	12.989	21.949	7.8824	28.076
#1	.00327	.00037	.05686	.00086	.00324	.00224
#2	.00365	.00027	.04729	.00118	.00290	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8476.1**	**114800.**	**6763.1**
Stddev	13.1	346.	44.6
%RSD	.15492	.30148	.65936
#1	8466.9	114550.	6731.5
#2	8485.4	115040.	6794.6

Sample Name: 280-48983-f-3-b Acquired: 11/12/2013 4:23:09 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.20443**	**.00145**	**.01352**	**.06368**	**.00006**	**-.00141**	**36.968**	**.00026**	**.00004**
Stddev	.00016	.00122	.00318	.00086	.00021	.00004	.00073	.014	.00004	.00002
%RSD	29.375	.59589	218.73	6.3431	.33646	64.436	52.031	.03911	15.562	66.842
#1	.00042	.20357	.00370	.01413	.06352	.00003	-.00192	36.978	.00028	.00005
#2	.00065	.20529	-.00079	.01292	.06383	.00008	-.00089	36.957	.00023	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00058**	**.21996**	**1.3561**	**.00623**	**8.6709**	**.02068**	**.00054**	**17.948**	**.00068**
Stddev	.00013	.00002	.00245	.0302	.00256	.0003	.00002	.00008	.142	.00013
%RSD	91.545	3.9622	1.1124	2.2238	41.076	.00310	.11340	15.871	.78934	19.301
#1	.00005	.00060	.21823	1.3347	.00804	8.6707	.02066	.00048	17.848	.00078
#2	.00024	.00056	.22169	1.3774	.00442	8.6711	.02069	.00060	18.048	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00322**	**-.00043**	**17.740**	**-.00282**	**.00026**	**5.5329**	**11.840**	**.00011**	**.35813**	**.00017**
Stddev	.00092	.00142	.028	.00117	.00064	.0532	.114	.00001	.00033	.00042
%RSD	28.582	334.36	.15755	41.423	248.71	.96094	.96094	8.6887	.09099	242.12
#1	.00257	.00058	17.720	-.00365	-.00020	5.4953	11.760	.00010	.35836	-.00012
#2	.00388	-.00143	17.759	-.00200	.00071	5.5705	11.921	.00011	.35790	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00384**	**.00003**	**-.01313**	**.00089**	**.00383**	**.00315**
Stddev	.00000	.00018	.01672	.00040	.00067	.00070
%RSD	.02153	641.60	127.34	45.065	17.416	22.124
#1	.00384	.00015	-.02496	.00061	.00430	.00364
#2	.00384	-.00010	-.00131	.00118	.00336	.00265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8490.8**	**114660.**	**6766.4**
Stddev	2.9	386.	3.9
%RSD	.03428	.33648	.05779
#1	8488.7	114940.	6763.7
#2	8492.8	114390.	6769.2

Sample Name: 280-48983-a-4-b Acquired: 11/12/2013 4:25:29 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**1.9932**	**-.00190**	**.03191**	**.05323**	**.00005**	**-.00226**	**193.72**	**.00098**	**.00067**
Stddev	.00044	.0041	.00129	.00014	.00061	.00009	.00234	.54	.00007	.00001
%RSD	99.640	.20389	67.624	.43036	1.1512	175.25	103.17	.27999	6.6288	2.0638
#1	.00013	1.9961	-.00099	.03181	.05280	-.00001	-.00061	193.34	.00103	.00068
#2	.00076	1.9904	-.00282	.03201	.05366	.00011	-.00392	194.11	.00094	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00245**	**.00481**	**1.5147**	**6.0508**	**.06881**	**134.52**	**.02505**	**.00078**	**331.50**	**.00216**
Stddev	.00006	.00001	.0150	.0646	.00009	1.09	.00013	.00008	.87	.00042
%RSD	2.4387	.12200	.98721	1.0674	.13351	.81189	.52457	10.030	.26132	19.311
#1	.00240	.00480	1.5041	6.0965	.06888	133.75	.02496	.00072	330.89	.00187
#2	.00249	.00481	1.5253	6.0051	.06875	135.29	.02514	.00084	332.12	.00246
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06434**	**.00118**	F **435.54**	**-.00352**	**.00114**	**7.8924**	**16.890**	**.00034**	W **5.1300**	**.00027**
Stddev	.00117	.00040	1.20	.00136	.00374	.1053	.225	.00070	.0207	.00188
%RSD	1.8132	34.224	.27649	38.588	326.84	1.3340	1.3340	207.90	.40277	697.47
#1	.06352	.00089	436.39	-.00256	.00379	7.8179	16.730	.00084	5.1446	.00160
#2	.06517	.00146	434.69	-.00449	-.00150	7.9668	17.049	-.00016	5.1154	-.00106
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**.00086**	**-.04546**	**.00444**	**.01396**	**.00419**
Stddev	.00133	.00176	.01406	.00023	.00035	.00070
%RSD	2.4906	203.47	30.940	5.2272	2.5155	16.710
#1	.05415	-.00038	-.03551	.00428	.01371	.00469
#2	.05227	.00210	-.05540	.00461	.01421	.00370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7885.6**	**105340.**	**6672.6**
Stddev	35.0	1131.	4.2
%RSD	.44376	1.0738	.06269
#1	7910.3	106140.	6669.7
#2	7860.8	104540.	6675.6

Sample Name: 280-48983-a-5-b Acquired: 11/12/2013 4:28:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**-.00041**	**.00024**	**.00272**	**.00011**	**.00006**	**.00236**	**.10209**	**-.00004**	**.00019**
Stddev	.00024	.00019	.00023	.00021	.00024	.00002	.00154	.01680	.00016	.00009
%RSD	75.207	46.096	93.538	7.7612	222.02	27.981	65.146	16.459	367.17	49.983
#1	.00015	-.00028	.00040	.00287	.00028	.00007	.00345	.11397	-.00016	.00026
#2	.00048	-.00055	.00008	.00257	-.00006	.00004	.00128	.09021	.00007	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00001**	**.00507**	**.12670**	**-.00133**	**.03256**	**.00036**	**.00012**	**.39183**	**.00052**
Stddev	.00007	.00024	.00075	.03481	.00015	.00479	.00009	.00032	.01614	.00011
%RSD	242.10	1979.8	14.812	27.478	11.497	14.714	24.763	274.54	4.1180	21.321
#1	.00008	.00018	.00561	.15132	-.00122	.03595	.00030	-.00011	.40324	.00044
#2	-.00002	-.00016	.00454	.10208	-.00144	.02917	.00043	.00034	.38042	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00287**	**.00099**	**.18619**	**-.00167**	**.00041**	**.00370**	**.00791**	**.00020**	**.00227**	**-.00046**
Stddev	.00074	.00072	.01229	.00068	.00149	.00865	.01851	.00066	.00042	.00062
%RSD	25.700	72.602	6.6035	40.848	362.75	233.94	233.94	332.95	18.690	133.11
#1	-.00340	.00048	.19488	-.00119	-.00064	.00981	.02100	-.00027	.00257	-.00003
#2	-.00235	.00150	.17749	-.00216	.00146	-.00242	-.00517	.00067	.00197	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00016**	**.03713**	**-.00003**	**.00322**	**.00243**
Stddev	.00008	.00044	.02237	.00012	.00008	.00169
%RSD	20.803	281.24	60.239	398.51	2.4482	69.738
#1	-.00032	.00016	.05295	-.00011	.00327	.00123
#2	-.00043	-.00047	.02132	.00005	.00316	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8762.3**	**117650.**	**6774.2**
Stddev	5.4	775.	9.2
%RSD	.06165	.65890	.13567
#1	8766.1	117100.	6780.7
#2	8758.4	118190.	6767.7

Sample Name: 280-48942-f-1-b Acquired: 11/12/2013 4:30:21 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.11064**	**.00092**	**.03167**	**.02311**	**.00000**	**-.00064**	**29.999**	**.00020**	**.00042**
Stddev	.00008	.00130	.00119	.00069	.00050	.0000	.00144	.037	.00002	.00017
%RSD	26.736	1.1708	129.09	2.1698	2.1768	2584.4	223.69	.12391	11.399	39.292
#1	.00025	.11156	.00008	.03216	.02275	-.00003	.00037	29.972	.00021	.00054
#2	.00037	.10973	.00176	.03119	.02346	.00002	-.00166	30.025	.00018	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00143**	**.08637**	**.26577**	**10.859**	**.00641**	**2.7690**	**.01687**	**.00168**	**108.36**	**.00308**
Stddev	.00018	.00129	.00112	.047	.00098	.0145	.00001	.00018	.24	.00035
%RSD	12.261	1.4944	.42253	.43000	15.283	.52228	.04664	10.713	.22501	11.406
#1	.00131	.08728	.26497	10.826	.00710	2.7793	.01687	.00155	108.18	.00283
#2	.00156	.08546	.26656	10.892	.00572	2.7588	.01686	.00180	108.53	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.3453**	**.00166**	**8.9961**	**-.00207**	**-.00031**	**3.2581**	**6.9724**	**.00416**	**.09191**	**-.00003**
Stddev	.0148	.00115	.0533	.00023	.00017	.0222	.0476	.00031	.00077	.00249
%RSD	.34117	69.511	.59216	10.907	53.995	.68269	.68269	7.4211	.84064	9734.6
#1	4.3348	.00084	8.9584	-.00191	-.00043	3.2424	6.9388	.00438	.09246	.00174
#2	4.3558	.00247	9.0338	-.00223	-.00019	3.2739	7.0061	.00394	.09136	-.00179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00475**	**.00051**	**-.01605**	**.00052**	**.21568**	**.00357**
Stddev	.00104	.00102	.01472	.00031	.00194	.00369
%RSD	21.865	202.44	91.696	59.261	.89888	103.31
#1	.00549	.00123	-.02646	.00074	.21705	.00096
#2	.00402	-.00022	-.00564	.00030	.21431	.00618
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8393.2**	**111740.**	**6786.9**
Stddev	56.2	468.	28.1
%RSD	.66981	.41911	.41459
#1	8353.5	111410.	6806.8
#2	8433.0	112070.	6767.0

Sample Name: 280-48973-e-1-c Acquired: 11/12/2013 4:32:38 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200278 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.15631**	**.00176**	**.18028**	**.05318**	**.00000**	**-.00308**	**44.846**	**.00033**	**.00022**
Stddev	.00017	.00113	.00023	.00029	.00016	.0001	.00214	.060	.00010	.00004
%RSD	119.26	.72511	13.152	.16033	.29942	2764.3	69.525	.13433	29.304	16.485
#1	-.00027	.15551	.00192	.18048	.05307	-.00005	-.00460	44.804	.00039	.00020
#2	-.00002	.15712	.00160	.18008	.05329	.00005	-.00157	44.889	.00026	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**.01093**	**.90342**	**48.621**	**.01698**	**11.581**	**.10873**	**.00182**	**86.169**	**.00336**
Stddev	.00010	.00051	.00648	.142	.00147	.010	.00023	.00017	.272	.00000
%RSD	10.944	4.7061	.71753	.29166	8.6793	.08471	.20975	9.4154	.31623	.08813
#1	.00083	.01057	.89883	48.520	.01803	11.588	.10889	.00170	85.976	.00336
#2	.00097	.01130	.90800	48.721	.01594	11.574	.10857	.00194	86.361	.00336
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29325**	**.00051**	**26.659**	**-.00176**	**.00225**	**3.8405**	**8.2188**	**.00029**	**.29095**	**-.00075**
Stddev	.00292	.00101	.002	.00217	.00000	.0476	.1018	.00038	.00136	.00058
%RSD	.99444	199.01	.00906	123.49	.06397	1.2381	1.2381	131.91	.46657	77.090
#1	.29119	-.00021	26.661	-.00329	.00225	3.8069	8.1468	.00002	.28999	-.00034
#2	.29531	.00123	26.657	-.00022	.00225	3.8742	8.2907	.00056	.29191	-.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00075**	**-.00037**	**.04625**	**.00053**	**.04030**	**.00371**
Stddev	.00016	.00085	.00611	.00050	.00014	.00031
%RSD	21.640	232.61	13.201	93.027	.35608	8.2793
#1	.00086	-.00097	.04194	.00088	.04040	.00350
#2	.00063	.00024	.05057	.00018	.04020	.00393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8365.8**	**112310.**	**6846.0**
Stddev	35.3	45.	24.6
%RSD	.42201	.04027	.35984
#1	8340.8	112340.	6828.5
#2	8390.7	112280.	6863.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:34:58 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00830**	**50.436**	**.00004**	**.00259**	**-.00014**	**-.00012**	W **1.0847**	**.03031**	**-.00017**	**-.00024**	**.00006**	**.01062**
Stddev	.00072	.344	.00062	.00058	.00004	.00000	.0013	.00291	.00010	.00000	.00007	.00027
%RSD	8.6292	.68136	1443.4	22.477	26.567	1.0624	.11848	9.6103	55.742	1.0857	118.66	2.5783
#1	.00880	50.679	-.00040	.00218	-.00017	-.00012	1.0838	.03237	-.00010	-.00024	.00011	.01042
#2	.00779	50.193	.00048	.00300	-.00011	-.00012	1.0857	.02825	-.00024	-.00024	.00001	.01081
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.073**	**.10325**	**-.00254**	**.08409**	**.00077**	**-.00031**	**270.40**	**-.00025**	**-.00166**	**-.00037**	W **5.2856**	**-.00015**
Stddev	.154	.05878	.00222	.00057	.00001	.00012	.64	.00043	.00001	.00156	.0128	.00247
%RSD	.31475	56.926	87.426	.67865	.87948	39.448	.23685	168.82	.70665	418.87	.24228	1596.9
#1	49.182	.14481	-.00097	.08449	.00076	-.00022	270.85	-.00055	-.00165	-.00147	5.2765	-.00190
#2	48.964	.06169	-.00412	.08368	.00077	-.00039	269.95	.00005	-.00167	.00073	5.2946	.00159
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00442**	**.01431**	**.03063**	**.00044**	**.00034**	**5.0066**	**-.01311**	**.00018**	F **5.4059**	**.00134**	**.00126**	**.05536**
Stddev	.00248	.00370	.00792	.00094	.00009	.0165	.00034	.00087	.0255	.00064	.00022	.00035
%RSD	56.232	25.859	25.859	213.50	26.150	.32957	2.6067	470.93	.47115	48.276	17.343	.63985
#1	-.00266	.01170	.02503	-.00022	.00041	5.0183	-.01335	.00080	5.4239	.00179	.00111	.05561
#2	-.00617	.01693	.03623	.00111	.00028	4.9950	-.01287	-.00043	5.3879	.00088	.00141	.05511
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8290.3**	**110370.**	**6650.8**
Stddev	11.8	827.	43.9
%RSD	.14247	.74936	.66070
#1	8281.9	110960.	6619.7
#2	8298.6	109790.	6681.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 4:37:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50225**	**.53218**	**1.0010**	**.50505**	**.50579**	**.48202**	**-.00431**	**4.9715**	**.50363**	**.50409**	**.50656**	**.50653**	**2.3992**
Stddev	.00120	.00233	.0022	.00041	.00261	.00043	.00037	.0199	.00008	.00142	.00045	.00083	.0124
%RSD	.23975	.43830	.22273	.08064	.51565	.09003	8.5925	.39967	.01500	.28117	.08793	.16479	.51652
#1	.50140	.53383	1.0026	.50534	.50395	.48232	-.00458	4.9574	.50358	.50309	.50688	.50594	2.3904
#2	.50310	.53053	.99942	.50476	.50763	.48171	-.00405	4.9855	.50369	.50509	.50625	.50712	2.4079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.118**	**1.0092**	**19.953**	**.49522**	**.50918**	**5.4349**	**.51036**	**1.0024**	**1.0224**	**.11871**	**1.0153**	**1.0035**	**4.7819**
Stddev	.206	.0058	.036	.00128	.00124	.0263	.00099	.0006	.0002	.00147	.0083	.0127	.0283
%RSD	.39502	.57582	.17845	.25933	.24402	.48312	.19310	.05484	.02162	1.2379	.82109	1.2674	.59270
#1	51.972	1.0051	19.928	.49432	.51006	5.4163	.50966	1.0020	1.0222	.11767	1.0094	.99446	4.7619
#2	52.263	1.0133	19.978	.49613	.50830	5.4534	.51106	1.0028	1.0225	.11975	1.0212	1.0124	4.8020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.233**	**1.0208**	**.50217**	**-.00319**	**.49173**	**1.0245**	**.01910**	**.49896**	**.50242**	**.49195**
Stddev	.061	.0049	.00249	.00064	.00077	.0032	.02763	.00162	.00001	.00287
%RSD	.59270	.47577	.49581	20.046	.15724	.31381	144.63	.32496	.00202	.58324
#1	10.190	1.0173	.50041	-.00364	.49118	1.0223	.03864	.49781	.50242	.48992
#2	10.276	1.0242	.50393	-.00274	.49227	1.0268	-.00043	.50011	.50241	.49398
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8420.4**	**112930.**	**6643.9**
Stddev	4.4	533.	1.4
%RSD	.05268	.47207	.02134
#1	8417.3	113310.	6642.9
#2	8423.5	112550.	6644.9

Sample Name: CCB Acquired: 11/12/2013 4:39:27 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00089**	**-.00353**	**.00038**	**.00188**	**-.00020**	**.00010**	**.00132**	**.00585**	**-.00004**	**.00019**	**-.00001**	**-.00035**
Stddev	.00038	.00033	.00215	.00049	.00018	.00005	.00163	.00379	.00009	.00008	.00006	.00020
%RSD	43.258	9.4279	567.86	26.120	91.284	51.882	123.67	64.824	243.07	44.746	1154.8	56.655
#1	.00062	-.00329	.00190	.00153	-.00007	.00014	.00017	.00317	-.00010	.00025	.00004	-.00049
#2	.00116	-.00376	-.00114	.00223	-.00032	.00007	.00248	.00853	.00003	.00013	-.00005	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**.05547**	**-.00100**	**.00410**	**.00012**	**.00023**	W **.13019**	**.00041**	**-.00485**	**-.00033**	**.11856**	**.00302**
Stddev	.00039	.03011	.00159	.00062	.00006	.00009	.00120	.00020	.00041	.00078	.00391	.00028
%RSD	189.28	54.275	159.05	15.184	50.333	38.120	.92111	49.112	8.5544	235.05	3.3006	9.2317
#1	.00007	.07676	-.00213	.00366	.00008	.00029	.12935	.00027	-.00514	.00022	.12133	.00282
#2	-.00048	.03418	.00012	.00454	.00016	.00017	.13104	.00056	-.00455	-.00088	.11579	.00322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.09160					
Low Limit							-.09160					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00722**	**.01546**	**.00061**	**.00012**	**-.00015**	**-.00043**	**.00042**	**.02910**	**.00039**	**.00235**	W **.00303**
Stddev	.00094	.00445	.00953	.00027	.00000	.00212	.00034	.00050	.00663	.00035	.00001	.00073
%RSD	176.30	61.645	61.645	44.725	1.7695	1378.9	78.375	119.19	22.778	88.925	.57758	24.234
#1	.00013	.00407	.00872	.00080	.00012	.00135	-.00067	.00078	.03379	.00063	.00234	.00354
#2	-.00120	.01037	.02219	.00042	.00012	-.00165	-.00019	.00007	.02441	.00014	.00235	.00251
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8461.1**	**114450.**	**6498.4**
Stddev	18.5	534.	29.2
%RSD	.21899	.46694	.44980
#1	8448.0	114830.	6519.1
#2	8474.2	114080.	6477.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 4:41:44 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01088**	**.10752**	**.01542**	**.10158**	**.00999**	**.00095**	**.12636**	**.20618**	**.00543**	**.01076**	**.01036**	**.01579**	**.09280**
Stddev	.00009	.00017	.00168	.00055	.00005	.00012	.00027	.00348	.00020	.00001	.00004	.00017	.00159
%RSD	.86763	.16137	10.888	.54271	.49759	12.598	.21353	1.6889	3.6945	.06528	.39984	1.0504	1.7084
#1	.01094	.10764	.01424	.10197	.00995	.00104	.12655	.20371	.00557	.01075	.01033	.01591	.09167
#2	.01081	.10740	.01661	.10119	.01002	.00087	.12616	.20864	.00529	.01076	.01039	.01568	.09392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1636**	**.00980**	**.21029**	**.01014**	**.02011**	**1.1795**	**.04274**	**2.9821**	**.00979**	**.08391**	**.00771**	**.01576**	**.49333**
Stddev	.0409	.00201	.00122	.00010	.00005	.0216	.00003	.0023	.00032	.00097	.00066	.00025	.00151
%RSD	1.2938	20.492	.57843	.95269	.26321	1.8336	.06701	.07729	3.2298	1.1547	8.5486	1.6097	.30552
#1	3.1346	.01122	.20943	.01007	.02007	1.1642	.04276	2.9837	.00957	.08459	.00818	.01558	.49226
#2	3.1925	.00838	.21115	.01021	.02015	1.1948	.04272	2.9805	.01002	.08322	.00725	.01594	.49439
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0557**	**.10435**	**.01032**	**.01472**	**.00930**	**.01637**	F **.09300**	**.00950**	**.02346**	**.01778**
Stddev	.0032	.00092	.00021	.00033	.00000	.00080	.00816	.00037	.00033	.00098
%RSD	.30552	.88415	2.0237	2.2092	.01610	4.8738	8.7773	3.9105	1.4174	5.4991
#1	1.0534	.10500	.01017	.01449	.00930	.01580	.08723	.00976	.02322	.01709
#2	1.0580	.10370	.01047	.01495	.00930	.01693	.09878	.00924	.02369	.01847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8750.1**	**118530.**	**6779.5**
Stddev	15.9	90.	57.5
%RSD	.18212	.07593	.84741
#1	8761.4	118460.	6820.1
#2	8738.9	118590.	6738.8

Sample Name: mb 280-200000/1-a Acquired: 11/12/2013 4:44:03 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**-.00201**	**.00030**	**.00136**	**-.00036**	**-.00002**	**.00042**	**.00868**	**.00004**	**.00026**
Stddev	.00001	.00038	.00030	.00057	.00018	.00005	.00040	.00183	.00009	.00012
%RSD	1.9100	18.797	101.19	41.890	50.017	278.27	96.037	21.077	228.47	47.050
#1	.00071	-.00227	.00008	.00096	-.00023	-.00006	.00013	.00738	.00010	.00017
#2	.00073	-.00174	.00051	.00177	-.00048	.00002	.00070	.00997	-.00002	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00324**	**.00555**	**-.03491**	**-.00079**	**-.00005**	**.00012**	**-.00003**	**.10658**	**.00047**
Stddev	.00003	.00037	.00003	.02645	.00187	.00069	.00005	.00000	.00219	.00019
%RSD	33.201	11.516	.45068	75.775	236.48	1541.0	44.502	10.046	2.0571	39.535
#1	.00013	.00350	.00557	-.05361	.00053	.00045	.00016	-.00003	.10503	.00034
#2	.00008	.00298	.00553	-.01620	-.00212	-.00054	.00008	-.00004	.10813	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00231**	**.00023**	W **.08913**	**-.00232**	**-.00133**	**.01272**	**.02723**	**-.00002**	**-.00002**	**-.00015**
Stddev	.00004	.00036	.00304	.00202	.00189	.00245	.00524	.00001	.00010	.00034
%RSD	1.5242	157.57	3.4101	86.830	141.55	19.230	19.230	58.998	555.11	221.27
#1	-.00229	-.00003	.09128	-.00090	.00000	.01445	.03093	-.00003	-.00009	-.00039
#2	-.00234	.00048	.08698	-.00375	-.00267	.01099	.02353	-.00001	.00005	.00009
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00025**	**.01801**	**-.00014**	**.00404**	**.00357**
Stddev	.00022	.00020	.01799	.00026	.00034	.00085
%RSD	280.05	80.095	99.884	192.81	8.3127	23.839
#1	-.00024	.00011	.03073	.00005	.00428	.00417
#2	.00008	.00040	.00529	-.00032	.00380	.00297
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8757.1**	**118620.**	**6764.3**
Stddev	8.0	485.	17.6
%RSD	.09100	.40921	.25973
#1	8762.7	118270.	6751.9
#2	8751.5	118960.	6776.8

Sample Name: lcs 280-200000/2-a Acquired: 11/12/2013 4:46:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05101**	**1.9969**	**1.0090**	**1.0268**	**2.0626**	**.04855**	**2.3241**	**48.336**	**.10779**	**.49543**
Stddev	.00096	.0130	.0032	.0043	.0077	.00008	.0076	.200	.00037	.00196
%RSD	1.8879	.64832	.31466	.41928	.37540	.15918	.32774	.41347	.34012	.39526
#1	.05033	2.0060	1.0113	1.0299	2.0571	.04860	2.3295	48.195	.10804	.49682
#2	.05169	1.9877	1.0068	1.0238	2.0680	.04849	2.3187	48.478	.10753	.49405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.26167**	**.97054**	**52.875**	**1.0223**	**50.050**	**.49445**	**1.0270**	**55.131**	**.49998**
Stddev	.00104	.00108	.00563	.273	.0054	.151	.00157	.0056	.086	.00295
%RSD	.50608	.41135	.57964	.51608	.52986	.30131	.31827	.54993	.15570	.58976
#1	.20586	.26244	.97452	52.682	1.0185	49.943	.49333	1.0310	55.070	.50206
#2	.20439	.26091	.96656	53.068	1.0262	50.156	.49556	1.0230	55.192	.49789
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.354**	**.49568**	**.09272**	**.50074**	**2.0449**	**9.6355**	**20.620**	**2.0322**	**1.0191**	**1.0069**
Stddev	.063	.00150	.00041	.00524	.0114	.0534	.114	.0095	.0040	.0078
%RSD	.61067	.30218	.43701	1.0457	.55771	.55408	.55408	.46889	.39635	.77362
#1	10.399	.49674	.09301	.50444	2.0530	9.6732	20.701	2.0389	1.0163	1.0014
#2	10.310	.49462	.09243	.49704	2.0368	9.5977	20.539	2.0255	1.0220	1.0124
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99527**	**1.9800**	**2.1693**	**.50656**	**.49533**	**.50913**
Stddev	.00216	.0073	.0021	.00180	.00275	.00012
%RSD	.21691	.37142	.09564	.35610	.55536	.02386
#1	.99374	1.9852	2.1708	.50528	.49338	.50904
#2	.99679	1.9748	2.1679	.50783	.49727	.50922
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8391.1**	**112270.**	**6821.2**
Stddev	35.3	163.	27.5
%RSD	.42103	.14560	.40256
#1	8366.1	112380.	6840.6
#2	8416.1	112150.	6801.7

Sample Name: 280-48967-a-7-a Acquired: 11/12/2013 4:48:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.00582**	**.00020**	**.78759**	**.02110**	**.00001**	**.00027**	**3.1169**	**.00008**	**-.00001**
Stddev	.00001	.00007	.00321	.00163	.00037	.00008	.00083	.0035	.00009	.00011
%RSD	1.5321	1.1820	1606.1	.20721	1.7421	658.56	303.56	.11160	111.63	725.15
#1	.00069	.00577	-.00207	.78874	.02136	.00007	-.00031	3.1194	.00015	.00006
#2	.00068	.00587	.00247	.78643	.02084	-.00004	.00086	3.1145	.00002	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.00167**	**.56398**	**3.1999**	**.01896**	**.99758**	**.01259**	**.00273**	**446.82**	**.00058**
Stddev	.00004	.00031	.00109	.0119	.00267	.00302	.00001	.00006	1.22	.00011
%RSD	39.317	18.488	.19289	.37186	14.099	.30225	.09309	2.1043	.27209	18.312
#1	.00014	.00189	.56475	3.1915	.01707	.99971	.01260	.00269	447.68	.00051
#2	.00008	.00146	.56321	3.2083	.02085	.99545	.01258	.00277	445.96	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05941**	**.00185**	**.13172**	**-.00085**	**-.00066**	**4.5310**	**9.6964**	**.00011**	**.32184**	**-.00094**
Stddev	.00105	.00062	.00263	.00031	.00180	.0156	.0333	.00046	.00090	.00152
%RSD	1.7697	33.329	1.9953	36.645	273.73	.34331	.34331	430.14	.27887	161.36
#1	.05867	.00141	.12986	-.00063	-.00194	4.5420	9.7200	-.00022	.32247	-.00202
#2	.06015	.00229	.13358	-.00107	.00062	4.5200	9.6729	.00043	.32120	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00061**	**.00854**	**.00024**	**.00487**	**.00237**
Stddev	.00006	.00082	.06558	.00002	.00012	.00057
%RSD	264.86	133.72	768.22	8.5726	2.4877	24.160
#1	.00007	.00003	.05491	.00022	.00496	.00278
#2	-.00002	.00119	-.03783	.00025	.00478	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8070.7**	**107600.**	**6691.2**
Stddev	117.4	520.	44.6
%RSD	1.4550	.48330	.66708
#1	8153.8	107230.	6659.7
#2	7987.7	107960.	6722.8

Sample Name: 280-48967-a-7-aSD@5 Acquired: 11/12/2013 4:50:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00068**	**.01749**	**.00101**	**.18048**	**.00469**	**-.00003**	**.00068**	**.71089**	**-.00025**	**.00027**
Stddev	.00018	.00022	.00133	.00025	.00003	.00006	.00369	.00248	.00007	.00010
%RSD	26.428	1.2612	131.65	.13632	.56285	248.11	540.20	.34872	28.918	35.697
#1	.00081	.01764	.00195	.18031	.00471	-.00007	-.00193	.71264	-.00030	.00034
#2	.00056	.01733	.00007	.18065	.00467	.00002	.00329	.70914	-.00020	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00068**	**.14044**	**.74539**	**.00288**	**.23034**	**.00302**	**.00049**	**102.24**	**.00042**
Stddev	.00002	.00012	.00226	.00093	.00008	.00344	.00003	.00002	.32	.00009
%RSD	420.94	17.288	1.6079	.12445	2.8687	1.4926	.98365	3.2107	.31507	21.300
#1	-.00001	.00060	.14204	.74604	.00282	.22791	.00300	.00050	102.47	.00035
#2	.00002	.00076	.13884	.74473	.00294	.23277	.00305	.00048	102.02	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01142**	**.00031**	**.09851**	**-.00070**	**.00073**	**1.0303**	**2.2048**	**.00222**	**.07440**	**.00027**
Stddev	.00180	.00079	.00012	.00377	.00137	.0324	.0693	.00075	.00040	.00219
%RSD	15.808	250.08	.12078	537.25	189.22	3.1455	3.1455	33.920	.54000	815.31
#1	.01269	.00087	.09860	-.00337	.00170	1.0532	2.2538	.00275	.07468	.00181
#2	.01014	-.00024	.09843	.00196	-.00025	1.0074	2.1558	.00168	.07411	-.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**.00047**	**-.00679**	**.00002**	**.00615**	**.00234**
Stddev	.00016	.00001	.03818	.00029	.00026	.00237
%RSD	36.138	3.0689	562.15	1391.7	4.1667	101.15
#1	-.00055	.00046	-.03379	-.00019	.00597	.00067
#2	-.00033	.00048	.02020	.00023	.00633	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8178.6**	**109760.**	**6511.8**
Stddev	24.8	382.	37.1
%RSD	.30329	.34765	.56928
#1	8161.0	110030.	6485.6
#2	8196.1	109490.	6538.1

Sample Name: 280-48967-a-7-b ms Acquired: 11/12/2013 4:53:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04755**	**1.7717**	**.92598**	**1.6424**	**1.8557**	**.04299**	F **2.0191**	**46.012**	**.09683**	**.43883**
Stddev	.00100	.0074	.00688	.0025	.0006	.00010	.0015	.030	.00004	.00128
%RSD	2.0988	.41839	.74312	.15071	.03028	.22370	.07313	.06610	.04389	.29153
#1	.04826	1.7769	.93084	1.6442	1.8553	.04292	2.0180	45.991	.09686	.43973
#2	.04684	1.7664	.92111	1.6407	1.8561	.04306	2.0201	46.034	.09680	.43792
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18262**	**.23355**	**1.3427**	**51.847**	**.93702**	**45.192**	**.45818**	**.92106**	**480.15**	**.44436**
Stddev	.00070	.00101	.0027	.173	.00074	.342	.00342	.00187	.45	.00096
%RSD	.38448	.43067	.20422	.33456	.07949	.75628	.74645	.20285	.09387	.21518
#1	.18312	.23427	1.3446	51.725	.93754	45.434	.46059	.92238	479.83	.44504
#2	.18213	.23284	1.3407	51.970	.93649	44.950	.45576	.91974	480.46	.44368
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.5737**	**.43316**	**.11258**	**.44152**	**1.8408**	**12.950**	**27.714**	**1.7957**	**1.2189**	**.91610**
Stddev	.0072	.00075	.00109	.00108	.0027	.026	.056	.0031	.0015	.00654
%RSD	.07544	.17224	.96472	.24409	.14740	.20093	.20093	.17199	.12756	.71423
#1	9.5789	.43368	.11335	.44076	1.8427	12.969	27.753	1.7979	1.2200	.92073
#2	9.5686	.43263	.11181	.44228	1.8389	12.932	27.674	1.7935	1.2178	.91147
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.90328**	**1.6424**	**1.8825**	**.46071**	**.46481**	**.45130**
Stddev	.00490	.0032	.0192	.00394	.00277	.00048
%RSD	.54281	.19282	1.0209	.85415	.59592	.10529
#1	.90675	1.6446	1.8689	.46349	.46677	.45164
#2	.89982	1.6401	1.8961	.45792	.46285	.45096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7931.7**	**103580.**	**6500.7**
Stddev	8.6	109.	38.0
%RSD	.10798	.10540	.58490
#1	7925.6	103500.	6527.6
#2	7937.7	103660.	6473.8

Sample Name: 280-48967-a-7-c msd Acquired: 11/12/2013 4:55:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05158**	**1.9301**	**1.0137**	**1.7739**	**2.0410**	**.04751**	F **2.2083**	**50.513**	**.10622**	**.48042**
Stddev	.00025	.0035	.0017	.0009	.0093	.00038	.0025	.136	.00026	.00006
%RSD	.49266	.18229	.16492	.05051	.45413	.79876	.11163	.26913	.24842	.01342
#1	.05176	1.9326	1.0149	1.7745	2.0476	.04778	2.2101	50.609	.10603	.48046
#2	.05140	1.9276	1.0126	1.7732	2.0345	.04724	2.2066	50.416	.10641	.48037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20058**	**.25631**	**1.7821**	**56.999**	**1.0328**	**49.157**	**.50391**	**1.0124**	W **517.67**	**.48715**
Stddev	.00009	.00012	.0023	.236	.0071	.164	.00042	.0013	2.52	.00047
%RSD	.04383	.04627	.12989	.41480	.68854	.33461	.08379	.12504	.48700	.09696
#1	.20064	.25623	1.7838	57.166	1.0378	49.274	.50420	1.0133	519.46	.48749
#2	.20052	.25640	1.7805	56.831	1.0278	49.041	.50361	1.0115	515.89	.48682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.496**	**.47354**	**.13043**	**.48564**	**2.0182**	**14.236**	**30.465**	**1.9682**	**1.3360**	**.99744**
Stddev	.005	.00036	.00115	.00029	.0043	.169	.361	.0005	.0044	.00020
%RSD	.05193	.07527	.88284	.05902	.21440	1.1840	1.1840	.02338	.33050	.02047
#1	10.500	.47380	.13124	.48584	2.0212	14.355	30.720	1.9679	1.3391	.99759
#2	10.493	.47329	.12962	.48543	2.0151	14.117	30.210	1.9685	1.3329	.99730
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99279**	**1.7936**	**2.1388**	**.50561**	**.50573**	**.50045**
Stddev	.00119	.0033	.0138	.00108	.00217	.00817
%RSD	.12019	.18447	.64271	.21275	.42934	1.6334
#1	.99363	1.7959	2.1485	.50637	.50726	.50623
#2	.99194	1.7913	2.1291	.50485	.50419	.49467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7946.9**	**104630.**	**6634.8**
Stddev	1.5	480.	2.3
%RSD	.01872	.45847	.03424
#1	7945.8	104290.	6633.2
#2	7947.9	104970.	6636.4

Sample Name: CCVH-2372891 Acquired: 11/12/2013 4:57:40 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00766**	**49.931**	**.00063**	**.00529**	**.00021**	**-.00012**	W **1.0771**	**.03417**	**-.00006**	**.00003**	**.00003**	**.01126**
Stddev	.00004	.037	.00030	.00002	.00026	.00001	.0033	.00455	.00008	.00029	.00014	.00041
%RSD	.52295	.07424	47.006	.28378	125.40	4.0626	.30856	13.312	134.16	1069.4	432.93	3.6040
#1	.00768	49.905	.00042	.00530	.00039	-.00012	1.0748	.03739	.00000	.00023	-.00007	.01097
#2	.00763	49.957	.00085	.00528	.00002	-.00013	1.0795	.03096	-.00012	-.00018	.00013	.01155
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.070**	**.11305**	**-.00147**	**.08771**	**.00080**	**.00039**	**268.66**	**-.00023**	**.00016**	**.00096**	**5.2203**	**-.00181**
Stddev	.410	.01722	.00124	.00010	.00003	.00019	1.16	.00008	.00229	.00032	.0159	.00103
%RSD	.85303	15.235	84.058	.11391	3.5314	48.065	.43213	37.270	1438.6	33.509	.30440	56.834
#1	47.780	.12523	-.00060	.08778	.00078	.00052	267.84	-.00017	.00177	.00119	5.2091	-.00108
#2	48.360	.10087	-.00235	.08764	.00082	.00025	269.48	-.00029	-.00146	.00073	5.2316	-.00254
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	**.00812**	**.01737**	**.00064**	**.00063**	**5.0207**	**-.01279**	**.00196**	F **5.3980**	**.00162**	**.00139**	**.05350**
Stddev	.00304	.01355	.02900	.00055	.00015	.0285	.00015	.00086	.0235	.00050	.00036	.00131
%RSD	64.807	166.92	166.92	85.598	23.303	.56831	1.1500	43.884	.43461	30.987	25.842	2.4522
#1	-.00685	.01770	.03788	.00102	.00074	5.0005	-.01269	.00135	5.3814	.00197	.00165	.05257
#2	-.00254	-.00146	-.00313	.00025	.00053	5.0409	-.01289	.00256	5.4146	.00126	.00114	.05443
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8318.4**	**110000.**	**6651.5**
Stddev	17.9	212.	72.6
%RSD	.21518	.19305	1.0910
#1	8305.8	110150.	6702.8
#2	8331.1	109850.	6600.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:00:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50015**	**.53085**	**1.0019**	**.51095**	**.50475**	**.47819**	**-.00436**	**4.8663**	**.50505**	**.50456**	**.50673**	**.50589**	**2.3448**
Stddev	.00094	.00189	.0027	.00134	.00138	.00036	.00085	.0022	.00120	.00170	.00098	.00119	.0019
%RSD	.18770	.35599	.26446	.26146	.27373	.07491	19.488	.04414	.23799	.33658	.19345	.23582	.08202
#1	.50082	.53219	1.0000	.51000	.50378	.47794	-.00496	4.8647	.50590	.50576	.50742	.50505	2.3434
#2	.49949	.52951	1.0038	.51189	.50573	.47845	-.00376	4.8678	.50420	.50336	.50604	.50674	2.3461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.520**	**1.0006**	**19.745**	**.49307**	**.51168**	**5.4009**	**.51142**	**1.0068**	**1.0269**	**.08665**	**1.0206**	**1.0005**	**4.6884**
Stddev	.155	.0013	.033	.00041	.00011	.0154	.00143	.0030	.0029	.00214	.0011	.0011	.0207
%RSD	.30129	.13068	.16459	.08380	.02125	.28499	.28002	.29676	.28106	2.4690	.11131	.10790	.44174
#1	51.410	.99964	19.768	.49337	.51160	5.3900	.51041	1.0089	1.0289	.08816	1.0214	.99970	4.6738
#2	51.629	1.0015	19.722	.49278	.51176	5.4118	.51243	1.0047	1.0249	.08514	1.0198	1.0012	4.7030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.033**	**1.0187**	**.49945**	**-.00380**	**.49030**	**1.0310**	**.01140**	**.49496**	**.49799**	**.48895**
Stddev	.044	.0024	.00072	.00071	.00047	.0021	.00816	.00183	.00212	.00141
%RSD	.44174	.23652	.14377	18.693	.09684	.20728	71.623	.37038	.42472	.28748
#1	10.002	1.0204	.49894	-.00431	.49063	1.0325	.00562	.49626	.49949	.48994
#2	10.065	1.0170	.49995	-.00330	.48996	1.0295	.01717	.49366	.49649	.48795
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8421.5**	**113530.**	**6845.6**
Stddev	9.9	291.	53.2
%RSD	.11708	.25621	.77700
#1	8414.6	113320.	6883.2
#2	8428.5	113730.	6808.0

Sample Name: CCB Acquired: 11/12/2013 5:02:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**-.00306**	**.00142**	**.00322**	**.00023**	**.00015**	**-.00022**	**.00749**	**.00012**	**.00005**	**.00010**	**.00014**
Stddev	.00037	.00020	.00008	.00015	.00027	.00003	.00273	.00498	.00001	.00028	.00004	.00024
%RSD	59.119	6.4469	5.4592	4.6128	115.53	21.513	1219.3	66.440	10.419	552.32	37.041	165.61
#1	.00037	-.00292	.00137	.00333	.00004	.00013	-.00215	.00397	.00011	.00025	.00013	-.00002
#2	.00090	-.00320	.00147	.00312	.00043	.00017	.00170	.01101	.00013	-.00015	.00008	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.10233**	**-.00097**	**.00549**	**.00005**	**.00028**	W **.14877**	**.00039**	**-.00429**	**.00020**	**.08244**	W **.00390**
Stddev	.00091	.01805	.00167	.00093	.00000	.00015	.01366	.00009	.00076	.00111	.00103	.00158
%RSD	104.44	17.643	172.32	16.930	3.8698	54.752	9.1826	23.930	17.663	560.07	1.2482	40.539
#1	.00023	.11509	-.00215	.00614	.00005	.00017	.15843	.00033	-.00376	.00098	.08171	.00501
#2	.00151	.08956	.00021	.00483	.00005	.00039	.13911	.00046	-.00483	-.00059	.08317	.00278
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00187**	**.02093**	**.04479**	**.00055**	**.00014**	**.00050**	**.00001**	**.00061**	**.02335**	**.00020**	**.00252**	W **.00255**
Stddev	.00426	.00784	.01677	.00033	.00016	.00205	.00039	.00047	.01635	.00005	.00000	.00052
%RSD	228.44	37.445	37.445	60.324	114.64	413.82	6468.5	77.054	70.037	23.071	.08978	20.428
#1	-.00488	.01539	.03293	.00078	.00025	-.00096	-.00027	.00028	.03491	.00016	.00252	.00218
#2	.00115	.02647	.05665	.00031	.00003	.00195	.00028	.00095	.01178	.00023	.00251	.00292
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8486.1**	**115170.**	**6589.7**
Stddev	2.9	118.	37.0
%RSD	.03473	.10237	.56180
#1	8488.2	115080.	6563.5
#2	8484.0	115250.	6615.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 5:04:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01083**	**.10773**	**.01663**	**.10187**	**.01000**	**.00097**	**.12317**	**.20806**	**.00521**	**.01066**	**.01029**	**.01564**	**.09802**
Stddev	.00022	.00038	.00163	.00066	.00030	.00005	.00329	.00111	.00022	.00006	.00003	.00027	.00078
%RSD	2.0574	.35377	9.7938	.64724	3.0292	5.0350	2.6712	.53461	4.2848	.52505	.25579	1.7422	.79673
#1	.01099	.10800	.01548	.10234	.01021	.00100	.12084	.20727	.00537	.01069	.01031	.01583	.09746
#2	.01067	.10746	.01779	.10140	.00979	.00094	.12550	.20885	.00506	.01062	.01028	.01545	.09857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1398**	**.00848**	**.21357**	**.01025**	**.02004**	**1.1846**	**.04270**	**2.9595**	**.00968**	**.06036**	**.00706**	**.01292**	**.48401**
Stddev	.0071	.00085	.00109	.00001	.00010	.0117	.00032	.0229	.00154	.00064	.00192	.00123	.01521
%RSD	.22642	10.075	.51163	.13902	.48450	.98892	.75697	.77276	15.895	1.0661	27.141	9.4797	3.1432
#1	3.1449	.00909	.21434	.01024	.02011	1.1763	.04293	2.9757	.01077	.06082	.00842	.01206	.49476
#2	3.1348	.00788	.21279	.01026	.01997	1.1928	.04247	2.9434	.00859	.05991	.00571	.01379	.47325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0358**	**.10436**	**.01011**	**.01501**	**.00919**	**.01746**	F **.08251**	**.01016**	**.02352**	**.01667**
Stddev	.0326	.00032	.00003	.00116	.00003	.00056	.02756	.00012	.00008	.00029
%RSD	3.1432	.30534	.25436	7.7154	.30933	3.1990	33.404	1.2165	.32152	1.7342
#1	1.0588	.10413	.01013	.01583	.00917	.01785	.06302	.01008	.02346	.01688
#2	1.0128	.10458	.01009	.01419	.00921	.01706	.10200	.01025	.02357	.01647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8593.9**	**116050.**	**6588.2**
Stddev	8.9	437.	.6
%RSD	.10405	.37614	.00959
#1	8587.6	116360.	6588.7
#2	8600.2	115740.	6587.8

Sample Name: 280-48967-a-8-a Acquired: 11/12/2013 5:06:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00103**	**.00028**	**.81718**	**.03249**	**-.00002**	**-.00018**	**4.2189**	**-.00012**	**.00019**
Stddev	.00006	.00015	.00125	.00168	.00070	.00003	.00147	.0468	.00017	.00019
%RSD	22.778	14.606	448.17	.20551	2.1670	128.99	826.96	1.1085	138.87	99.527
#1	.00030	-.00114	-.00060	.81837	.03200	-.00004	.00086	4.1858	-.00025	.00032
#2	.00022	-.00093	.00116	.81600	.03299	.00000	-.00122	4.2520	.00000	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00122**	**.20127**	**3.8038**	**.02112**	**1.3975**	**.00732**	**.00145**	W **529.70**	**.00028**
Stddev	.00020	.00016	.00116	.1146	.00084	.0093	.00001	.00005	1.59	.00012
%RSD	465.98	12.690	.57630	3.0123	3.9950	.66472	.08146	3.1728	.30031	44.478
#1	.00019	.00111	.20209	3.7227	.02052	1.4041	.00733	.00148	528.57	.00019
#2	-.00010	.00133	.20045	3.8848	.02172	1.3910	.00732	.00141	530.82	.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05327**	**-.00004**	**.10520**	**-.00085**	**.00000**	**5.2975**	**11.337**	**.00069**	**.45989**	**-.00148**
Stddev	.00193	.00007	.00074	.00034	.00104	.0464	.099	.00022	.00215	.00088
%RSD	3.6245	173.77	.70692	39.477	71116.	.87617	.87617	32.237	.46689	59.349
#1	.05190	-.00009	.10467	-.00109	.00074	5.2646	11.266	.00085	.45837	-.00210
#2	.05463	.00001	.10572	-.00061	-.00073	5.3303	11.407	.00054	.46140	-.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00032**	**.00057**	**.04466**	**.00019**	**.00310**	**.00254**
Stddev	.00041	.00065	.05372	.00018	.00031	.00191
%RSD	130.85	112.51	120.29	94.623	9.9768	75.375
#1	-.00061	.00103	.08265	.00006	.00288	.00389
#2	-.00002	.00012	.00667	.00032	.00332	.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7944.2**	**104020.**	**6529.3**
Stddev	2.1	71.	33.7
%RSD	.02640	.06784	.51626
#1	7945.6	104070.	6553.1
#2	7942.7	103970.	6505.4

Sample Name: 280-48967-a-9-a Acquired: 11/12/2013 5:09:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.02667**	**.00144**	**.62252**	**.77647**	**-.00004**	**-.00244**	**42.752**	**-.00010**	**.00033**
Stddev	.00075	.00040	.00198	.00138	.00253	.00000	.00100	.025	.00020	.00001
%RSD	93.981	1.4930	137.01	.22095	.32531	2.6381	41.207	.05823	187.48	3.7978
#1	.00027	.02639	.00284	.62155	.77468	-.00004	-.00315	42.770	.00003	.00032
#2	.00132	.02695	.00005	.62349	.77826	-.00004	-.00173	42.735	-.00024	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.00389**	**.33438**	**9.4584**	**.36268**	**.00455**	**.00543**	**.00619**	**398.69**	**.01709**
Stddev	.00004	.00018	.00225	.0597	.00034	.00131	.00010	.00035	.21	.00010
%RSD	12.977	4.5347	.67337	.63175	.09345	28.844	1.8352	5.7029	.05373	.57402
#1	.00033	.00402	.33279	9.5006	.36292	.00362	.00536	.00644	398.54	.01702
#2	.00027	.00377	.33598	9.4161	.36245	.00548	.00550	.00594	398.84	.01716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01856**	**-.00080**	**.55155**	**.00148**	**-.00039**	**1.7304**	**3.7030**	**-.00057**	W **16.685**	**-.00398**
Stddev	.00060	.00011	.00084	.00162	.00247	.0134	.0288	.00016	.017	.00157
%RSD	3.2335	14.192	.15176	109.34	631.83	.77690	.77690	28.589	.10246	39.517
#1	.01898	-.00088	.55096	.00262	.00136	1.7209	3.6826	-.00045	16.673	-.00509
#2	.01813	-.00072	.55214	.00034	-.00214	1.7399	3.7233	-.00068	16.697	-.00287
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									5.0000	
Low Limit									-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00062**	**.01408**	**.00022**	**.00363**	**.00360**
Stddev	.00034	.00051	.03425	.00007	.00077	.00089
%RSD	126.97	81.445	243.27	32.493	21.291	24.704
#1	-.00003	.00026	.03829	.00017	.00308	.00297
#2	-.00050	.00098	-.01014	.00027	.00417	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7981.5**	**105000.**	**6577.3**
Stddev	7.9	443.	38.0
%RSD	.09876	.42145	.57742
#1	7987.1	105320.	6604.2
#2	7976.0	104690.	6550.5

Sample Name: 280-48967-a-10-a Acquired: 11/12/2013 5:11:42 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.01958**	**-.00205**	**.77941**	**.02440**	**.00003**	**.00146**	**2.9748**	**.00013**	**-.00005**
Stddev	.00017	.00025	.00124	.00046	.00015	.00007	.00039	.0030	.00003	.00007
%RSD	86.154	1.2685	60.285	.05872	.59545	256.82	26.738	.10160	21.455	146.08
#1	-.00031	.01976	-.00118	.77974	.02450	-.00002	.00119	2.9769	.00015	.00000
#2	-.00008	.01941	-.00293	.77909	.02429	.00007	.00174	2.9726	.00011	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00237**	**.58688**	**3.5088**	**.01917**	**1.0485**	**.00867**	**.00183**	**483.48**	**.00066**
Stddev	.00000	.00034	.00406	.0096	.00261	.0046	.00006	.00021	2.50	.00008
%RSD	6.1610	14.460	.69190	.27422	13.601	.43813	.74082	11.431	.51673	12.036
#1	.00006	.00262	.58401	3.5020	.02102	1.0452	.00862	.00168	481.72	.00061
#2	.00007	.00213	.58975	3.5156	.01733	1.0517	.00871	.00198	485.25	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06796**	**-.00014**	**.11244**	**-.00266**	**-.00111**	**5.5587**	**11.896**	**-.00018**	**.35967**	**-.00424**
Stddev	.00184	.00023	.00203	.00389	.00296	.0064	.014	.00061	.00045	.00046
%RSD	2.7004	163.82	1.8068	146.15	265.95	.11528	.11528	339.76	.12414	10.787
#1	.06666	.00002	.11101	.00009	-.00320	5.5542	11.886	.00025	.35936	-.00392
#2	.06926	-.00030	.11388	-.00542	.00098	5.5633	11.905	-.00061	.35999	-.00457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00104**	**.02474**	**.00033**	**.00599**	**.00239**
Stddev	.00009	.00057	.01366	.00025	.00015	.00039
%RSD	30.340	55.194	55.209	76.602	2.5261	16.148
#1	-.00038	.00144	.01508	.00015	.00588	.00212
#2	-.00024	.00063	.03440	.00051	.00610	.00267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7973.9**	**105180.**	**6528.4**
Stddev	32.6	442.	28.9
%RSD	.40862	.42021	.44236
#1	7950.9	105490.	6508.0
#2	7997.0	104860.	6548.9

Sample Name: 280-48967-a-11-a Acquired: 11/12/2013 5:14:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00554**	**.00435**	**.87733**	**.03384**	**.00003**	**.00046**	**3.7613**	**-.00001**	**.00009**
Stddev	.00008	.00014	.00162	.00113	.00016	.00003	.00066	.0146	.00025	.00002
%RSD	28.485	2.5618	37.266	.12888	.48583	123.74	143.66	.38919	2465.6	20.536
#1	-.00022	.00544	.00550	.87813	.03372	.00000	.00093	3.7510	.00016	.00010
#2	-.00033	.00564	.00321	.87653	.03395	.00005	-.00001	3.7717	-.00018	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00154**	**.17958**	**4.2495**	**.02219**	**1.4291**	**.00714**	**.00157**	W **556.58**	**.00042**
Stddev	.00007	.00026	.00284	.0593	.00005	.0059	.00003	.00005	1.16	.00010
%RSD	162.30	17.007	1.5815	1.3954	.20674	.41033	.37681	3.0873	.20792	24.146
#1	.00009	.00173	.18158	4.2076	.02222	1.4332	.00713	.00160	555.76	.00035
#2	-.00001	.00136	.17757	4.2914	.02215	1.4249	.00716	.00154	557.40	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04487**	**-.00076**	**.19055**	**-.00062**	**-.00003**	**5.3160**	**11.376**	**-.00045**	**.48866**	**-.00139**
Stddev	.00103	.00018	.00025	.00061	.00067	.0134	.029	.00011	.00115	.00120
%RSD	2.2867	24.180	.13023	98.271	2168.4	.25277	.25277	24.746	.23505	86.269
#1	.04415	-.00063	.19072	-.00104	.00044	5.3065	11.356	-.00037	.48785	-.00054
#2	.04560	-.00089	.19037	-.00019	-.00050	5.3255	11.397	-.00052	.48947	-.00224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00050**	**.00144**	**-.03597**	**.00013**	**.00365**	**.00277**
Stddev	.00009	.00074	.02227	.00028	.00070	.00013
%RSD	17.574	51.579	61.917	209.29	19.311	4.7108
#1	-.00057	.00197	-.02022	.00033	.00415	.00267
#2	-.00044	.00092	-.05171	-.00006	.00315	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7901.5**	**104590.**	**6598.0**
Stddev	50.7	407.	31.2
%RSD	.64203	.38911	.47248
#1	7865.6	104300.	6620.0
#2	7937.3	104870.	6575.9

Sample Name: 280-48967-a-12-a Acquired: 11/12/2013 5:16:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00045**	**.00175**	**.00163**	**.84523**	**.02229**	**-.00006**	**.00045**	**3.3415**	**.00002**	**.00004**
Stddev	.00038	.00021	.00088	.00468	.00023	.00004	.00161	.0309	.00003	.00005
%RSD	84.370	12.132	54.342	.55408	1.0520	76.742	360.09	.92480	149.37	133.41
#1	.00018	.00160	.00225	.84854	.02212	-.00003	-.00069	3.3196	.00004	.00000
#2	.00071	.00190	.00100	.84192	.02245	-.00009	.00158	3.3633	.00000	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00156**	**.56806**	**3.6916**	**.01839**	**1.0848**	**.01301**	**.00221**	**490.39**	**.00042**
Stddev	.00003	.00020	.00656	.0510	.00170	.0019	.00008	.00014	.25	.00021
%RSD	121.57	12.879	1.1547	1.3816	9.2153	.17375	.58531	6.3789	.04999	48.935
#1	.00000	.00170	.56342	3.6555	.01720	1.0835	.01296	.00211	490.22	.00057
#2	.00005	.00142	.57270	3.7276	.01959	1.0861	.01306	.00231	490.56	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06441**	**.00212**	**.10849**	**-.00106**	**-.00375**	**4.8811**	**10.446**	**-.00008**	**.35313**	**-.00247**
Stddev	.00020	.00055	.00174	.00106	.00023	.0144	.031	.00011	.00062	.00154
%RSD	.30591	25.801	1.5995	100.76	6.2435	.29530	.29530	132.52	.17499	62.304
#1	.06455	.00173	.10972	-.00030	-.00392	4.8709	10.424	-.00016	.35269	-.00356
#2	.06427	.00251	.10727	-.00181	-.00359	4.8913	10.467	-.00001	.35356	-.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.00024**	**.03129**	**.00051**	**.00363**	**.00258**
Stddev	.00029	.00074	.03379	.00029	.00030	.00414
%RSD	65.991	313.83	108.01	57.727	8.1400	160.19
#1	-.00023	-.00029	.05518	.00071	.00384	-.00034
#2	-.00064	.00076	.00739	.00030	.00342	.00551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7896.4**	**104460.**	**6570.8**
Stddev	27.2	169.	21.6
%RSD	.34474	.16142	.32892
#1	7877.2	104340.	6586.1
#2	7915.7	104580.	6555.6

Sample Name: 280-48967-a-13-a Acquired: 11/12/2013 5:18:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00042**	**-.00335**	**.00129**	**.00373**	**-.00011**	**-.00005**	**.00028**	**.01536**	**.00005**	**.00009**
Stddev	.00038	.00001	.00133	.00071	.00014	.00006	.00033	.00164	.00004	.00010
%RSD	89.580	.44707	103.20	19.044	125.80	114.77	120.10	10.657	70.925	112.22
#1	.00015	-.00336	.00035	.00423	-.00022	-.00001	.00052	.01652	.00008	.00015
#2	.00068	-.00334	.00222	.00322	-.00001	-.00009	.00004	.01420	.00003	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00027**	**.00328**	**.11537**	**-.00214**	**.00179**	**.00015**	**.00003**	**.58483**	**.00065**
Stddev	.00018	.00035	.00140	.00282	.00153	.00033	.00002	.00020	.02980	.00015
%RSD	537650.	130.58	42.597	2.4470	71.455	18.608	10.486	578.80	5.0954	22.955
#1	-.00013	.00052	.00229	.11737	-.00106	.00156	.00014	-.00011	.60590	.00076
#2	.00013	.00002	.00426	.11338	-.00322	.00203	.00016	.00017	.56376	.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**-.00077**	**.06423**	**-.00182**	**-.00016**	**.01259**	**.02695**	**.00067**	**.00040**	**-.00119**
Stddev	.00064	.00010	.00304	.00014	.00035	.00116	.00248	.00024	.00005	.00131
%RSD	32.398	13.178	4.7264	7.9113	213.71	9.2030	9.2030	35.987	12.467	109.94
#1	-.00241	-.00084	.06638	-.00172	-.00041	.01341	.02871	.00085	.00043	-.00026
#2	-.00151	-.00070	.06208	-.00193	.00008	.01178	.02520	.00050	.00036	-.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00062**	**.04297**	**.00013**	**.00336**	**.00198**
Stddev	.00019	.00142	.03389	.00011	.00030	.00014
%RSD	56.956	228.69	78.863	83.863	9.0286	6.9360
#1	-.00020	.00163	.01901	.00020	.00358	.00208
#2	-.00047	-.00038	.06693	.00005	.00315	.00188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8390.7**	**115370.**	**6623.9**
Stddev	.1	2271.	45.3
%RSD	.00067	1.9684	.68318
#1	8390.7	116980.	6655.9
#2	8390.6	113760.	6591.9

Sample Name: 280-48967-a-16-a Acquired: 11/12/2013 5:21:14 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200000 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00085**	**-.00063**	**.00344**	**.00250**	**-.00008**	**.00003**	**.00182**	**.03775**	**-.00009**	**.00015**
Stddev	.00040	.00014	.00009	.00079	.00011	.00002	.00237	.00004	.00006	.00007
%RSD	46.734	22.497	2.4794	31.490	141.99	58.838	130.42	.10617	62.579	44.907
#1	.00113	-.00073	.00350	.00306	-.00016	.00005	.00014	.03773	-.00005	.00011
#2	.00057	-.00053	.00338	.00195	.00000	.00002	.00350	.03778	-.00013	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00064**	**.02729**	**.07396**	**-.00155**	**.00092**	**.00126**	**-.00006**	**.29833**	**.00045**
Stddev	.00005	.00024	.00398	.02708	.00154	.00107	.00002	.00010	.00922	.00008
%RSD	76.514	38.380	14.581	36.614	99.904	115.81	1.2611	160.76	3.0892	18.453
#1	-.00010	.00081	.03010	.05481	-.00264	.00168	.00127	-.00014	.30485	.00039
#2	-.00003	.00046	.02448	.09311	-.00045	.00017	.00125	.00001	.29182	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00327**	**.00022**	**.06279**	**-.00114**	**-.00173**	**.02043**	**.04372**	**.00040**	**.00042**	**-.00002**
Stddev	.00164	.00007	.00440	.00072	.00058	.00295	.00632	.00020	.00008	.00070
%RSD	50.000	32.534	7.0059	62.995	33.292	14.453	14.453	49.856	20.466	3974.7
#1	-.00212	.00017	.05968	-.00063	-.00133	.02252	.04819	.00026	.00035	.00048
#2	-.00443	.00027	.06590	-.00165	-.00214	.01834	.03926	.00054	.00048	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00086**	**.04109**	**.00000**	**.00335**	**.00041**
Stddev	.00027	.00099	.01475	.00023	.00011	.00088
%RSD	36.543	114.27	35.904	16482.	3.2088	216.14
#1	-.00056	.00017	.03066	.00017	.00328	-.00021
#2	-.00094	.00156	.05152	-.00016	.00343	.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8421.7**	**113670.**	**6363.9**
Stddev	24.8	29.	67.6
%RSD	.29439	.02539	1.0619
#1	8439.2	113650.	6411.7
#2	8404.1	113690.	6316.1

Sample Name: CCVH-2372891 Acquired: 11/12/2013 5:23:32 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00731**	**50.317**	**.00394**	**.00295**	**-.00008**	**-.00010**	W **1.0715**	**.01603**	**-.00024**	**-.00007**	**.00006**	**.01095**
Stddev	.00028	.256	.00094	.00088	.00021	.00003	.0017	.00323	.00000	.00002	.00017	.00013
%RSD	3.8537	.50819	23.778	29.929	252.96	30.673	.15485	20.139	.98994	27.047	258.86	1.1933
#1	.00751	50.498	.00328	.00358	-.00023	-.00008	1.0703	.01375	-.00024	-.00008	.00018	.01104
#2	.00711	50.136	.00460	.00233	.00007	-.00012	1.0726	.01831	-.00025	-.00005	-.00005	.01085
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.562**	**.06925**	**-.00174**	**.07936**	**.00074**	**-.00032**	**269.96**	**-.00002**	**-.00186**	**.00002**	**5.1552**	**-.00171**
Stddev	.698	.00193	.00010	.00071	.00006	.00000	1.28	.00017	.00194	.00120	.0030	.00193
%RSD	1.4381	2.7863	5.9716	.89333	8.3806	.82694	.47258	995.39	104.63	5602.0	.05822	113.09
#1	49.055	.07062	-.00167	.07886	.00070	-.00032	270.87	-.00014	-.00048	.00087	5.1574	-.00307
#2	48.068	.06789	-.00182	.07986	.00078	-.00032	269.06	.00011	-.00323	-.00083	5.1531	-.00034
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00372**	**.00490**	**.01049**	**-.00024**	**.00027**	**4.9969**	**-.01273**	**.00253**	F **5.3512**	**.00128**	**.00163**	**.05848**
Stddev	.00171	.00521	.01115	.00014	.00009	.0048	.00049	.00044	.0214	.00040	.00025	.00411
%RSD	45.920	106.31	106.31	57.495	33.319	.09659	3.8138	17.431	.39918	31.228	15.052	7.0198
#1	-.00493	.00858	.01837	-.00014	.00020	4.9934	-.01239	.00284	5.3663	.00100	.00180	.06138
#2	-.00251	.00122	.00260	-.00033	.00033	5.0003	-.01307	.00222	5.3361	.00156	.00146	.05558
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8071.2**	**106940.**	**6315.3**
Stddev	4.1	594.	26.4
%RSD	.05074	.55513	.41738
#1	8068.3	106520.	6296.6
#2	8074.1	107360.	6333.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:25:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50270**	**.53315**	**.99113**	**.50343**	**.50747**	**.48170**	**-.00388**	**4.9819**	**.50279**	**.50494**	**.50653**	**.50764**	**2.3900**
Stddev	.00051	.00096	.00159	.00108	.00010	.00107	.00022	.0145	.00054	.00097	.00064	.00144	.0019
%RSD	.10215	.18078	.16070	.21378	.01873	.22274	5.6482	.29037	.10665	.19188	.12619	.28372	.07729
#1	.50307	.53247	.99000	.50267	.50754	.48095	-.00372	4.9717	.50241	.50426	.50698	.50866	2.3913
#2	.50234	.53383	.99226	.50419	.50740	.48246	-.00403	4.9921	.50317	.50563	.50608	.50662	2.3887
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.215**	**1.0136**	**19.895**	**.49583**	**.51133**	**5.4689**	**.51017**	**1.0024**	**1.0287**	**.05466**	**1.0128**	**.99557**	**4.7803**
Stddev	.124	.0020	.013	.00027	.00274	.0107	.00126	.0077	.0056	.00012	.0010	.00730	.0028
%RSD	.23813	.19669	.06468	.05545	.53621	.19529	.24789	.76767	.54758	.21662	.09960	.73280	.05938
#1	52.303	1.0122	19.886	.49564	.50939	5.4613	.51106	.99694	1.0247	.05474	1.0135	1.0007	4.7783
#2	52.127	1.0150	19.904	.49603	.51327	5.4764	.50927	1.0078	1.0327	.05458	1.0120	.99041	4.7823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.230**	**1.0237**	**.50145**	**-.00408**	**.49335**	**1.0288**	**.02555**	**.49871**	**.49999**	**.49435**
Stddev	.006	.0010	.00039	.00301	.00052	.0003	.04561	.00034	.00049	.00375
%RSD	.05938	.09892	.07811	73.764	.10516	.02691	178.52	.06799	.09757	.75902
#1	10.226	1.0244	.50118	-.00620	.49371	1.0290	.05780	.49847	.49964	.49170
#2	10.234	1.0230	.50173	-.00195	.49298	1.0286	-.00670	.49895	.50033	.49701
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8216.1**	**111930.**	**6338.3**
Stddev	14.5	54.	2.0
%RSD	.17701	.04802	.03156
#1	8226.3	111970.	6336.9
#2	8205.8	111890.	6339.7

Sample Name: CCB Acquired: 11/12/2013 5:28:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00360**	**.00138**	**.00193**	**-.00013**	**.00011**	**.00178**	**.00526**	**.00017**	**.00013**	**-.00006**	**.00000**
Stddev	.00060	.00026	.00175	.00013	.00016	.00009	.00020	.00084	.00002	.00015	.00007	.00007
%RSD	8707.4	7.3268	127.44	6.5901	121.07	84.004	10.998	15.950	11.623	122.03	124.97	1930.9
#1	.00042	-.00341	.00014	.00202	-.00025	.00017	.00164	.00585	.00016	.00023	-.00001	.00005
#2	-.00043	-.00379	.00262	.00184	-.00002	.00004	.00192	.00466	.00018	.00002	-.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.05258**	**.00210**	**.00191**	**.00008**	**.00004**	W **.15586**	**.00041**	**-.00437**	**.00035**	**.05501**	W **.00316**
Stddev	.00047	.02313	.00128	.00050	.00010	.00014	.01550	.00001	.00020	.00024	.00127	.00188
%RSD	58.260	43.994	61.158	26.149	127.04	343.63	9.9424	3.2912	4.5602	68.735	2.3154	59.411
#1	-.00114	.03623	.00119	.00226	.00015	-.00006	.16682	.00040	-.00423	.00052	.05591	.00183
#2	-.00047	.06894	.00301	.00155	.00001	.00014	.14491	.00042	-.00451	.00018	.05411	.00449
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.00607**	**.01299**	**.00022**	**.00015**	**.00077**	**-.00049**	**-.00119**	**.00721**	**.00054**	**.00260**	W **.00306**
Stddev	.00031	.00346	.00741	.00007	.00009	.00081	.00013	.00098	.01584	.00019	.00025	.00022
%RSD	66.801	57.001	57.001	30.866	62.783	105.75	27.136	82.876	219.61	35.635	9.7178	7.3361
#1	.00024	.00362	.00776	.00026	.00008	.00019	-.00039	-.00188	-.00399	.00040	.00242	.00290
#2	.00067	.00852	.01823	.00017	.00022	.00134	-.00058	-.00049	.01841	.00067	.00278	.00322
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8230.2**	**111050.**	**6245.8**
Stddev	19.3	199.	20.4
%RSD	.23461	.17940	.32708
#1	8216.5	110910.	6231.3
#2	8243.8	111190.	6260.2

Sample Name: CCVL2372865 Acquired: 11/12/2013 5:30:18 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01058**	**.10763**	**.01692**	**.10115**	**.00980**	**.00095**	**.12680**	**.20743**	**.00512**	**.01083**	**.01044**	**.01565**	**.09838**
Stddev	.00032	.00021	.00013	.00029	.00023	.00008	.00093	.00119	.00019	.00002	.00008	.00006	.00400
%RSD	3.0582	.19660	.79578	.29138	2.3368	8.4354	.73428	.57441	3.6514	.17378	.78213	.41010	4.0668
#1	.01035	.10778	.01682	.10136	.00996	.00090	.12614	.20659	.00499	.01082	.01049	.01569	.10121
#2	.01081	.10748	.01701	.10094	.00964	.00101	.12746	.20827	.00525	.01084	.01038	.01560	.09555
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2209**	F **.00661**	**.20872**	**.01023**	**.02011**	**1.2038**	**.04274**	**2.9652**	**.00934**	**.04273**	**.00918**	**.01599**	**.47617**
Stddev	.0271	.00048	.00293	.00002	.00015	.0083	.00043	.0118	.00079	.00105	.00235	.00057	.00065
%RSD	.84172	7.2425	1.4029	.18519	.72143	.69037	1.0125	.39641	8.5001	2.4652	25.592	3.5503	.13586
#1	3.2401	.00628	.21079	.01024	.02022	1.1979	.04304	2.9736	.00877	.04347	.01084	.01559	.47572
#2	3.2017	.00695	.20665	.01021	.02001	1.2097	.04243	2.9569	.00990	.04198	.00752	.01639	.47663
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value		.01000											
Range		-30.000%											

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**.10536**	**.01017**	**.01335**	**.00933**	**.01695**	**.07469**	**.01013**	**.02360**	**.01628**
Stddev	.0014	.00037	.00002	.00038	.00028	.00074	.02862	.00016	.00006	.00053
%RSD	.13586	.34872	.19434	2.8279	2.9859	4.3845	38.311	1.5344	.25141	3.2606
#1	1.0180	.10562	.01019	.01361	.00913	.01748	.09493	.01002	.02364	.01591
#2	1.0200	.10510	.01016	.01308	.00953	.01643	.05446	.01024	.02356	.01666
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8440.0**	**114580.**	**6381.9**
Stddev	12.6	161.	41.6
%RSD	.14953	.14067	.65252
#1	8431.1	114690.	6352.5
#2	8449.0	114470.	6411.3

Sample Name: mb 280-200212/1-a Acquired: 11/12/2013 5:32:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.01179**	**.00219**	**.01178**	**.00014**	**-.00004**	**.00121**	**.04287**	**-.00005**	**-.00002**
Stddev	.00027	.00014	.00011	.00006	.00023	.00002	.00107	.00144	.00011	.00006
%RSD	450.39	1.2280	4.9867	.50646	164.44	49.630	88.677	3.3676	216.86	311.46
#1	.00025	.01190	.00211	.01174	-.00002	-.00006	.00045	.04389	-.00013	.00002
#2	-.00013	.01169	.00227	.01182	.00031	-.00003	.00196	.04185	.00003	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00084**	**.02109**	**.03142**	**-.00059**	**.01073**	**.00055**	**-.00010**	**.18003**	**.00067**
Stddev	.00009	.00012	.00084	.04260	.00143	.00236	.00001	.00006	.01548	.00000
%RSD	27.811	14.510	3.9738	135.60	241.60	21.972	2.2274	60.555	8.5989	.73768
#1	.00037	.00075	.02168	.06154	-.00161	.00906	.00056	-.00015	.16908	.00067
#2	.00025	.00092	.02050	.00129	.00042	.01239	.00054	-.00006	.19097	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00029**	W **.08436**	**-.00005**	**-.00014**	**.05017**	**.10736**	**.00330**	**.00010**	**.00091**
Stddev	.00109	.00042	.00358	.00124	.00018	.00697	.01492	.00005	.00006	.00152
%RSD	806.53	144.46	4.2483	2581.6	129.40	13.899	13.899	1.5915	58.202	166.83
#1	.00091	.00059	.08689	.00083	-.00027	.05510	.11791	.00334	.00014	.00199
#2	-.00064	-.00001	.08182	-.00092	-.00001	.04524	.09681	.00326	.00006	-.00016
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.05000							
Low Limit			-.05000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00017**	**.00743**	**.00041**	**.00495**	**.00274**
Stddev	.00001	.00001	.01086	.00011	.00026	.00139
%RSD	4.3993	3.5363	146.18	28.082	5.2639	50.508
#1	.00020	-.00017	-.00025	.00033	.00476	.00176
#2	.00021	-.00016	.01510	.00049	.00513	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8483.9**	**115190.**	**6484.1**
Stddev	7.6	90.	37.0
%RSD	.08916	.07832	.56989
#1	8489.3	115250.	6458.0
#2	8478.6	115120.	6510.2

Sample Name: lcs 280-200212/2-a Acquired: 11/12/2013 5:34:53 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04998**	**2.0001**	**.97748**	**1.0578**	**2.0197**	**.04733**	**2.2216**	**47.221**	**.10411**	**.48774**
Stddev	.00015	.0001	.00005	.0004	.0068	.00067	.0002	.081	.00015	.00054
%RSD	.30172	.00433	.00535	.03544	.33602	1.4083	.00800	.17221	.14396	.11170
#1	.05009	2.0001	.97752	1.0575	2.0149	.04686	2.2215	47.164	.10400	.48736
#2	.04987	2.0002	.97745	1.0580	2.0245	.04780	2.2217	47.279	.10421	.48813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20069**	**.25497**	**.92855**	**51.998**	**1.0060**	**48.775**	**.48577**	**.99720**	**54.056**	**.49220**
Stddev	.00000	.00008	.00248	.179	.0007	.056	.00058	.00073	.483	.00011
%RSD	.00019	.03109	.26669	.34361	.07211	.11418	.11884	.07294	.89298	.02229
#1	.20069	.25502	.92680	51.872	1.0055	48.736	.48536	.99669	53.714	.49213
#2	.20069	.25491	.93030	52.125	1.0065	48.814	.48618	.99772	54.397	.49228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.073**	**.48641**	**.08423**	**.45650**	**1.9540**	F **.76669**	**1.6407**	**1.9744**	**.99592**	**.98059**
Stddev	.002	.00124	.00165	.00239	.0037	.01922	.0411	.0024	.00236	.00606
%RSD	.01874	.25567	1.9610	.52293	.18748	2.5073	2.5073	.11897	.23671	.61789
#1	10.071	.48553	.08306	.45482	1.9566	.75310	1.6116	1.9727	.99425	.97631
#2	10.074	.48729	.08539	.45819	1.9514	.78028	1.6698	1.9761	.99759	.98487
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						7.0000				
Low Limit						1.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97419**	**1.9334**	**2.0974**	**.49444**	**.48922**	**.48954**
Stddev	.00145	.0071	.0030	.00094	.00055	.00174
%RSD	.14884	.36778	.14118	.18967	.11297	.35485
#1	.97316	1.9384	2.0953	.49377	.48883	.48831
#2	.97521	1.9283	2.0995	.49510	.48961	.49076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8062.2**	**107810.**	**6406.1**
Stddev	1.0	50.	3.3
%RSD	.01286	.04629	.05226
#1	8062.9	107840.	6403.8
#2	8061.5	107770.	6408.5

Sample Name: 280-48851-a-1-b Acquired: 11/12/2013 5:37:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**89.545**	**.02572**	**.01033**	**.26896**	**.00321**	**-.04268**	**25.120**	**.00145**	**.10542**
Stddev	.00009	.215	.00040	.00018	.00050	.00001	.00309	.002	.00008	.00002
%RSD	15.457	.24044	1.5580	1.7503	.18565	.31954	7.2330	.00948	5.3896	.01895
#1	-.00054	89.698	.02544	.01046	.26932	.00321	-.04049	25.121	.00150	.10544
#2	-.00067	89.393	.02600	.01021	.26861	.00320	-.04486	25.118	.00139	.10541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15301**	**.10047**	**228.99**	**6.9122**	**.06500**	**12.645**	**3.8512**	**.00510**	**4.4230**	**.08737**
Stddev	.00024	.00009	.07	.0335	.00407	.046	.0070	.00006	.0381	.00011
%RSD	.15549	.08729	.03048	.48502	6.2667	.36032	.18190	1.2501	.86113	.13030
#1	.15284	.10041	228.94	6.9359	.06788	12.677	3.8561	.00514	4.4499	.08745
#2	.15317	.10054	229.04	6.8885	.06212	12.613	3.8462	.00505	4.3961	.08729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5599**	**.03948**	**1.4488**	**.00282**	**-.00088**	**.76028**	**1.6270**	**.01000**	**.45867**	**.05880**
Stddev	.0053	.00040	.0036	.00025	.00060	.00297	.0064	.00085	.00075	.00060
%RSD	.06995	1.0207	.25115	8.8424	68.031	.39080	.39080	8.4811	.16268	1.0228
#1	7.5562	.03977	1.4513	.00300	-.00046	.75818	1.6225	.01060	.45919	.05922
#2	7.5636	.03920	1.4462	.00265	-.00130	.76238	1.6315	.00940	.45814	.05837
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8397**	**-.00531**	F **-.22059**	**.72426**	**.45591**	**.17351**
Stddev	.0005	.00024	.00974	.00006	.00084	.00226
%RSD	.02900	4.4568	4.4161	.00760	.18477	1.3029
#1	1.8400	-.00514	-.22748	.72430	.45650	.17192
#2	1.8393	-.00547	-.21370	.72422	.45531	.17511
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9075.4**	**119990.**	**7049.8**
Stddev	36.8	29.	20.7
%RSD	.40600	.02447	.29326
#1	9049.4	119970.	7035.2
#2	9101.5	120010.	7064.5

Sample Name: 280-48851-a-1-bSD@5 Acquired: 11/12/2013 5:39:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**19.936**	**.00811**	**.00302**	**.05870**	**.00071**	**-.01038**	**5.6373**	**.00038**	**.02405**
Stddev	.00061	.020	.00027	.00036	.00027	.00005	.00207	.0115	.00005	.00001
%RSD	160.98	.10188	3.2731	11.909	.46590	6.8973	19.937	.20423	13.736	.02599
#1	.00081	19.950	.00830	.00328	.05890	.00075	-.01184	5.6454	.00034	.02406
#2	-.00005	19.921	.00792	.00277	.05851	.00068	-.00891	5.6291	.00042	.02405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03417**	**.02193**	**51.706**	**1.4884**	**.01275**	**2.8802**	**.87871**	**.00113**	**.95091**	**.02012**
Stddev	.00050	.00024	.053	.0235	.00064	.0030	.00046	.00008	.01112	.00024
%RSD	1.4676	1.1110	.10209	1.5806	5.0560	.10547	.05233	6.6791	1.1694	1.2037
#1	.03382	.02176	51.743	1.4718	.01321	2.8824	.87838	.00108	.95878	.01995
#2	.03453	.02210	51.669	1.5051	.01229	2.8781	.87903	.00118	.94305	.02029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6817**	**.00873**	**.36201**	**-.00070**	**-.00102**	**.16984**	**.36346**	**.00399**	**.10138**	**.01333**
Stddev	.0033	.00088	.00096	.00230	.00301	.01792	.03835	.00029	.00008	.00180
%RSD	.19567	10.123	.26493	327.16	293.65	10.552	10.552	7.2005	.07597	13.507
#1	1.6793	.00935	.36269	.00092	.00110	.18252	.39058	.00379	.10133	.01461
#2	1.6840	.00810	.36133	-.00233	-.00315	.15717	.33634	.00419	.10144	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40055**	**-.00105**	W **-.07219**	**.15879**	**.11526**	**.03787**
Stddev	.00023	.00039	.03498	.00017	.00019	.00057
%RSD	.05697	37.702	48.455	.10534	.16447	1.5042
#1	.40071	-.00077	-.09692	.15891	.11513	.03747
#2	.40039	-.00133	-.04745	.15868	.11540	.03828
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8525.5**	**113260.**	**6520.1**
Stddev	37.2	275.	48.9
%RSD	.43619	.24297	.75062
#1	8551.8	113460.	6485.5
#2	8499.2	113070.	6554.7

Sample Name: 280-48851-a-1-c ms Acquired: 11/12/2013 5:41:34 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04457	140.45	.86612	.83004	2.0773	.04533	F 1.9056	67.076	.09339	.52796
Stddev	.00083	.43	.00178	.00181	.0006	.00013	.0113	.162	.00011	.00011
%RSD	1.8731	.30905	.20595	.21849	.03107	.29576	.59500	.24201	.12097	.02175
#1	.04398	140.76	.86486	.82876	2.0769	.04542	1.8976	67.190	.09347	.52788
#2	.04517	140.15	.86738	.83133	2.0778	.04523	1.9137	66.961	.09331	.52804
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.34580	.32884	230.21	55.019	.98738	56.977	3.9180	.80348	53.236	.51344
Stddev	.00099	.00020	.99	.142	.00038	.166	.0111	.00137	.030	.00079
%RSD	.28738	.06154	.43023	.25819	.03874	.29118	.28443	.17053	.05573	.15415
#1	.34510	.32870	230.91	55.120	.98711	56.860	3.9101	.80251	53.257	.51289
#2	.34651	.32899	229.51	54.919	.98765	57.094	3.9258	.80445	53.215	.51400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.791	.45702	1.6186	.17347	1.6501	3.7581	8.0424	1.6330	1.3932	.94531
Stddev	.056	.00044	.0065	.00096	.0021	.0088	.0188	.0035	.0015	.00563
%RSD	.35712	.09590	.40037	.55468	.12964	.23434	.23434	.21352	.11013	.59550
#1	15.751	.45733	1.6140	.17415	1.6486	3.7644	8.0558	1.6305	1.3922	.94133
#2	15.831	.45671	1.6232	.17278	1.6516	3.7519	8.0291	1.6354	1.3943	.94929
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.7916	1.6030	1.6191	1.2840	.92038	.61725
Stddev	.0097	.0035	.0091	.0022	.00099	.00019
%RSD	.25465	.21609	.56153	.17399	.10811	.03057
#1	3.7848	1.6005	1.6255	1.2824	.91968	.61712
#2	3.7984	1.6054	1.6127	1.2855	.92108	.61739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8768.4	114990.	6955.2
Stddev	34.2	233.	68.4
%RSD	.38961	.20274	.98403
#1	8744.2	115160.	6906.8
#2	8792.5	114830.	7003.6

Sample Name: 280-48851-a-1-d msd Acquired: 11/12/2013 5:43:44 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04464	119.00	.86991	.84241	2.0482	.04504	F 1.9163	64.334	.09268	.50669
Stddev	.00006	.45	.00869	.00279	.0113	.00011	.0022	.228	.00015	.00075
%RSD	.12941	.37900	.99854	.33101	.55268	.24437	.11298	.35452	.16506	.14714
#1	.04460	118.68	.86376	.84043	2.0401	.04496	1.9147	64.173	.09279	.50616
#2	.04468	119.32	.87605	.84438	2.0562	.04511	1.9178	64.496	.09258	.50722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.29794	.31434	193.23	52.981	.98411	54.744	3.3706	.82985	52.567	.49657
Stddev	.00021	.00118	.00	.355	.00775	.137	.0205	.00325	.184	.00046
%RSD	.07072	.37587	.00235	.66958	.78786	.25075	.60838	.39153	.34940	.09303
#1	.29779	.31517	193.23	52.730	.97863	54.841	3.3851	.82756	52.437	.49625
#2	.29809	.31350	193.23	53.232	.98960	54.647	3.3561	.83215	52.697	.49690
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 15.234	.45214	1.2805	.20356	1.6666	3.6699	7.8536	1.6685	1.3044	.94117
Stddev	.033	.00036	.0005	.00005	.0073	.0036	.0076	.0059	.0059	.00606
%RSD	.21712	.08052	.03912	.02604	.43855	.09723	.09723	.35337	.45109	.64436
#1	15.211	.45240	1.2808	.20352	1.6614	3.6674	7.8482	1.6644	1.3003	.94546
#2	15.258	.45189	1.2801	.20359	1.6718	3.6724	7.8590	1.6727	1.3086	.93688
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.9381	1.6122	1.6736	1.0930	.81235	.60639
Stddev	.0089	.0013	.0054	.0005	.00275	.00242
%RSD	.30340	.08167	.32133	.04500	.33850	.39891
#1	2.9444	1.6113	1.6774	1.0934	.81429	.60810
#2	2.9318	1.6132	1.6698	1.0927	.81040	.60468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8794.3	116730.	7052.6
Stddev	19.5	253.	5.8
%RSD	.22206	.21646	.08249
#1	8808.1	116550.	7056.7
#2	8780.5	116900.	7048.5

Sample Name: 280-48851-a-1-bPDS Acquired: 11/12/2013 5:45:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04414**	**89.083**	**.20354**	**.09496**	**.35698**	**.04635**	**-.04139**	**42.445**	**.04740**	**.14668**
Stddev	.00061	.003	.00104	.00025	.00031	.00027	.00108	.026	.00007	.00008
%RSD	1.3905	.00318	.51055	.26431	.08708	.58237	2.6101	.06116	.14353	.05338
#1	.04457	89.081	.20428	.09514	.35676	.04654	-.04062	42.463	.04735	.14673
#2	.04371	89.085	.20281	.09479	.35720	.04616	-.04215	42.426	.04745	.14662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19453**	**.14622**	**227.14**	**26.308**	**.16003**	**30.512**	**3.8589**	**.04901**	**24.751**	**.12923**
Stddev	.00035	.00001	.25	.057	.00026	.036	.0338	.00004	.279	.00055
%RSD	.18237	.00816	.10910	.21593	.16548	.11642	.87626	.09158	1.1256	.42669
#1	.19428	.14622	227.32	26.348	.15985	30.537	3.8828	.04897	24.948	.12884
#2	.19478	.14621	226.97	26.268	.16022	30.487	3.8350	.04904	24.554	.12962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **9.2533**	**.12756**	**1.4226**	**.08556**	**.16961**	**4.9603**	**10.615**	**.09610**	**.49736**	**.24032**
Stddev	.0047	.00039	.0035	.00177	.00247	.0041	.009	.00041	.00037	.00101
%RSD	.05137	.30608	.24644	2.0645	1.4582	.08333	.08333	.42308	.07469	.42097
#1	9.2566	.12728	1.4251	.08681	.16786	4.9632	10.621	.09582	.49763	.23960
#2	9.2499	.12783	1.4201	.08431	.17136	4.9574	10.609	.09639	.49710	.24103
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8618**	**.16658**	**.27484**	**.76089**	**.63667**	**.21732**
Stddev	.0036	.00047	.03350	.00140	.00153	.00012
%RSD	.19287	.27986	12.190	.18373	.24036	.05558
#1	1.8593	.16625	.25115	.75991	.63559	.21723
#2	1.8644	.16691	.29853	.76188	.63775	.21741
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8905.5**	**117510.**	**6990.6**
Stddev	9.8	243.	31.7
%RSD	.11025	.20683	.45405
#1	8898.5	117680.	6968.2
#2	8912.4	117340.	7013.1

Sample Name: 280-48851-a-2-b Acquired: 11/12/2013 5:48:08 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**90.030**	**.03057**	**.01081**	**.18858**	**.00365**	**-.04216**	**15.508**	**.00051**	**.06981**
Stddev	.00029	.163	.00301	.00081	.00029	.00004	.00064	.006	.00002	.00033
%RSD	55.019	.18065	9.8426	7.4841	.15231	1.0337	1.5154	.03594	4.2824	.47479
#1	-.00074	89.915	.03270	.01138	.18878	.00362	-.04261	15.511	.00053	.06958
#2	-.00033	90.145	.02845	.01023	.18838	.00368	-.04170	15.504	.00050	.07004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14018**	**.10139**	**227.27**	**6.7277**	**.07943**	**10.541**	**.88761**	**.01185**	**5.2499**	**.07193**
Stddev	.00007	.00014	.53	.0076	.00140	.017	.00062	.00028	.0168	.00026
%RSD	.04797	.14257	.23346	.11220	1.7652	.15896	.06939	2.3251	.31992	.36653
#1	.14023	.10149	227.65	6.7331	.07844	10.529	.88718	.01204	5.2380	.07175
#2	.14014	.10129	226.90	6.7224	.08042	10.553	.88805	.01165	5.2618	.07212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.4149**	**.03809**	**1.9875**	**-.00157**	**-.00219**	**.87352**	**1.8693**	**.00933**	**.44421**	**.05590**
Stddev	.0008	.00010	.0064	.00263	.00021	.02213	.0474	.00052	.00118	.00212
%RSD	.01279	.25912	.32399	167.74	9.6330	2.5334	2.5334	5.5990	.26639	3.7914
#1	6.4155	.03816	1.9829	-.00343	-.00204	.85787	1.8358	.00897	.44337	.05440
#2	6.4143	.03802	1.9920	.00029	-.00234	.88916	1.9028	.00970	.44505	.05740
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5043**	**-.00399**	F **-.18423**	**.62402**	**.47365**	**.16261**
Stddev	.0017	.00151	.03202	.00060	.00126	.00024
%RSD	.11006	37.845	17.378	.09633	.26515	.14779
#1	1.5055	-.00293	-.16159	.62359	.47454	.16278
#2	1.5032	-.00506	-.20686	.62444	.47276	.16244
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8804.7**	**116100.**	**6780.2**
Stddev	16.4	12.	39.0
%RSD	.18576	.01043	.57556
#1	8816.2	116090.	6752.6
#2	8793.1	116110.	6807.8

Sample Name: 280-48987-a-1-d Acquired: 11/12/2013 5:50:19 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00064**	**160.96**	**.01716**	**.00098**	**.27630**	**.00131**	**-.02233**	**.96667**	**.00016**	**.01074**
Stddev	.00048	1.39	.00054	.00057	.00177	.00007	.00105	.00555	.00007	.00017
%RSD	75.187	.86652	3.1319	58.030	.64051	5.3544	4.7087	.57418	42.284	1.5439
#1	-.00099	161.95	.01754	.00058	.27755	.00136	-.02308	.97059	.00021	.01063
#2	-.00030	159.97	.01678	.00139	.27505	.00126	-.02159	.96274	.00012	.01086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.12997**	**.01958**	**123.95**	**1.8349**	**.10210**	**4.5289**	**.04403**	**.00102**	**.51100**	**.01986**
Stddev	.00064	.00027	.75	.0123	.00141	.0098	.00012	.00022	.00883	.00033
%RSD	.48904	1.3695	.60662	.67221	1.3814	.21760	.27931	21.692	1.7274	1.6827
#1	.12952	.01939	124.48	1.8437	.10110	4.5359	.04412	.00086	.51724	.01963
#2	.13042	.01977	123.42	1.8262	.10310	4.5219	.04395	.00118	.50476	.02010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23318**	**.11662**	**.40850**	**.00186**	**-.00066**	**1.8163**	**3.8869**	**.00750**	**.02061**	**.05759**
Stddev	.00112	.00095	.00363	.00123	.00188	.0964	.2063	.00044	.00010	.00039
%RSD	.48216	.81644	.88766	65.846	284.39	5.3079	5.3079	5.8651	.49594	.67465
#1	.23239	.11595	.40594	.00273	.00067	1.8845	4.0327	.00719	.02068	.05786
#2	.23398	.11730	.41106	.00099	-.00199	1.7481	3.7410	.00781	.02054	.05731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19582**	**-.00050**	F **-.23126**	**.29645**	**.04295**	**.06940**
Stddev	.00144	.00187	.00356	.00260	.00021	.00015
%RSD	.73423	375.15	1.5392	.87758	.48518	.21192
#1	.19480	-.00182	-.23378	.29829	.04309	.06930
#2	.19684	.00082	-.22875	.29461	.04280	.06951
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8904.1**	**114020.**	**6889.2**
Stddev	43.9	874.	49.8
%RSD	.49254	.76655	.72357
#1	8935.1	113410.	6854.0
#2	8873.1	114640.	6924.4

Sample Name: 280-48987-a-2-b Acquired: 11/12/2013 5:52:32 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**58.130**	**.00412**	**.00238**	**.10546**	**.00040**	**-.00335**	**.32427**	**.00030**	**.00352**
Stddev	.00033	.197	.00194	.00007	.00046	.00012	.00184	.00159	.00002	.00014
%RSD	110.72	.33823	47.115	3.1107	.44063	30.280	55.149	.49028	6.8079	3.9031
#1	-.00052	57.991	.00550	.00243	.10513	.00049	-.00204	.32315	.00028	.00362
#2	-.00006	58.269	.00275	.00232	.10579	.00031	-.00465	.32539	.00031	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05997**	**.00805**	**12.388**	**.91505**	**.01138**	**1.4380**	**.01694**	**.00080**	**.40908**	**.00666**
Stddev	.00021	.00017	.074	.01562	.00191	.0028	.00016	.00002	.00331	.00001
%RSD	.34624	2.1690	.59727	1.7070	16.766	.19382	.92692	2.2953	.80824	.21023
#1	.06012	.00792	12.336	.90400	.01273	1.4360	.01683	.00081	.40674	.00667
#2	.05983	.00817	12.441	.92609	.01003	1.4399	.01705	.00078	.41142	.00665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05453**	**.03876**	**.19803**	**-.00120**	**.00135**	**1.5236**	**3.2605**	**.00470**	**.01569**	**.02625**
Stddev	.00025	.00002	.00070	.00246	.00029	.0108	.0231	.00045	.00003	.00069
%RSD	.45450	.05024	.35249	205.12	21.532	.70878	.70878	9.5259	.18617	2.6373
#1	.05470	.03875	.19853	-.00294	.00155	1.5312	3.2768	.00502	.01567	.02674
#2	.05435	.03877	.19754	.00054	.00114	1.5160	3.2441	.00438	.01571	.02576
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22867**	**.00019**	W **-.05762**	**.07696**	**.01114**	**.03956**
Stddev	.00394	.00064	.01852	.00027	.00004	.00146
%RSD	1.7240	333.99	32.137	.34893	.39485	3.7004
#1	.22588	-.00026	-.04452	.07715	.01110	.03852
#2	.23146	.00065	-.07071	.07677	.01117	.04059
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8816.6**	**115710.**	**6728.0**
Stddev	2.1	428.	50.6
%RSD	.02424	.37017	.75138
#1	8815.1	116010.	6763.7
#2	8818.1	115410.	6692.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 5:54:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**50.678**	**.00069**	**.00128**	**-.00007**	**-.00010**	W **1.0822**	**.01892**	**-.00021**	**.00000**	**.00021**	**.01120**
Stddev	.00003	.008	.00103	.00025	.00040	.00000	.0063	.00037	.00019	.00006	.00010	.00030
%RSD	.36402	.01635	148.82	19.636	597.17	.08716	.58062	1.9421	91.093	1956.0	46.859	2.6830
#1	.00756	50.684	-.00004	.00145	-.00035	-.00010	1.0867	.01866	-.00034	-.00004	.00028	.01141
#2	.00760	50.672	.00143	.00110	.00021	-.00010	1.0778	.01918	-.00007	.00004	.00014	.01099
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.937**	**.04542**	**-.00212**	**.08253**	**.00089**	**-.00031**	**272.07**	**-.00006**	**-.00065**	**.00071**	**5.2022**	**.00116**
Stddev	.231	.02949	.00094	.00077	.00004	.00025	.43	.00032	.00170	.00041	.0307	.00059
%RSD	.47208	64.934	44.134	.92927	4.3431	82.199	.15712	533.32	259.90	58.173	.58909	51.316
#1	48.773	.02456	-.00146	.08307	.00092	-.00049	272.38	-.00028	.00055	.00100	5.2238	.00158
#2	49.100	.06627	-.00278	.08198	.00086	-.00013	271.77	.00016	-.00185	.00042	5.1805	.00074
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00411**	**.01201**	**.02571**	**.00011**	**.00014**	**5.0562**	**-.01260**	**.00129**	F **5.4171**	**.00110**	**.00131**	**.05711**
Stddev	.00046	.01128	.02414	.00051	.00020	.0104	.00008	.00049	.0400	.00001	.00056	.00219
%RSD	11.165	93.888	93.888	470.15	144.70	.20468	.60241	38.264	.73879	.88985	42.825	3.8263
#1	-.00378	.01999	.04278	.00047	.00000	5.0635	-.01265	.00094	5.3888	.00111	.00091	.05557
#2	-.00443	.00404	.00864	-.00025	.00028	5.0489	-.01254	.00163	5.4454	.00109	.00171	.05866
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8084.0**	**106920.**	**6322.2**
Stddev	15.6	341.	3.8
%RSD	.19260	.31913	.05942
#1	8073.0	107160.	6324.9
#2	8095.0	106680.	6319.6

Sample Name: CCV-2372889 Acquired: 11/12/2013 5:57:12 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50622**	**.54064**	**.99743**	**.50341**	**.51175**	**.48508**	**-.00210**	**4.9909**	**.50501**	**.50806**	**.50936**	**.51051**	**2.3856**
Stddev	.00071	.00167	.00021	.00034	.00029	.00041	.00191	.0289	.00030	.00032	.00080	.00162	.0251
%RSD	.14063	.30958	.02106	.06689	.05622	.08426	90.698	.57908	.06031	.06384	.15670	.31753	1.0528
#1	.50572	.54183	.99758	.50317	.51155	.48479	-.00075	4.9705	.50522	.50829	.50992	.50937	2.3678
#2	.50672	.53946	.99728	.50365	.51196	.48537	-.00345	5.0114	.50479	.50784	.50880	.51166	2.4033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.726**	**1.0233**	**20.243**	**.50188**	**.51213**	**5.2654**	**.51221**	**1.0048**	**1.0335**	**.04368**	**1.0143**	**1.0016**	**4.8021**
Stddev	.175	.0007	.013	.00055	.00156	.0184	.00070	.0017	.0037	.00327	.0001	.0003	.0116
%RSD	.33111	.07192	.06453	.11010	.30473	.34879	.13675	.16988	.35998	7.4909	.00565	.03189	.24090
#1	52.602	1.0238	20.234	.50149	.51103	5.2524	.51271	1.0036	1.0309	.04137	1.0143	1.0018	4.7939
#2	52.849	1.0228	20.253	.50227	.51324	5.2784	.51172	1.0060	1.0362	.04600	1.0142	1.0014	4.8103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.276**	**1.0262**	**.50664**	**-.00632**	**.49780**	**1.0311**	**.00557**	**.50321**	**.50986**	**.49671**
Stddev	.025	.0019	.00073	.00037	.00077	.0020	.00942	.00001	.00004	.00592
%RSD	.24090	.18012	.14480	5.8005	.15401	.19762	169.16	.00211	.00789	1.1920
#1	10.259	1.0275	.50612	-.00658	.49726	1.0325	-.00109	.50320	.50989	.49253
#2	10.294	1.0249	.50716	-.00606	.49835	1.0297	.01222	.50322	.50983	.50090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8254.6**	**110230.**	**6354.6**
Stddev	32.8	932.	36.8
%RSD	.39694	.84525	.57981
#1	8231.5	110890.	6380.6
#2	8277.8	109570.	6328.5

Sample Name: CCB Acquired: 11/12/2013 5:59:21 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00067**	**-.00186**	**.00068**	**.00105**	**-.00014**	**.00007**	**.00130**	**.00144**	**.00008**	**.00025**	**-.00013**	**-.00018**
Stddev	.00002	.00134	.00067	.00007	.00037	.00007	.00196	.00207	.00010	.00010	.00002	.00018
%RSD	3.0111	72.261	98.083	6.4964	261.08	111.43	149.99	142.98	117.56	40.040	18.172	100.52
#1	.00066	-.00091	.00116	.00100	-.00041	.00012	.00269	-.00002	.00015	.00018	-.00011	-.00031
#2	.00068	-.00281	.00021	.00110	.00012	.00001	-.00008	.00290	.00001	.00032	-.00015	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**-.00269**	**-.00239**	**-.00199**	**.00013**	**.00011**	**.00066**	**.00032**	**-.00317**	**-.00075**	**.05189**	W **.00463**
Stddev	.00086	.06075	.00145	.00196	.00005	.00037	.01247	.00028	.00029	.00036	.00067	.00145
%RSD	18.117	2256.1	60.448	98.258	38.202	327.46	1877.4	86.171	9.0998	47.697	1.2934	31.229
#1	.00537	.04026	-.00137	-.00337	.00017	-.00015	-.00815	.00052	-.00296	-.00050	.05141	.00361
#2	.00415	-.04565	-.00341	-.00061	.00010	.00038	.00948	.00013	-.00337	-.00100	.05236	.00566
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00175**	**.01304**	**.02790**	**.00000**	**.00004**	**.00076**	**-.00049**	**.00006**	**-.00656**	**.00039**	**.00314**	**.00143**
Stddev	.00112	.01171	.02506	.0001	.00004	.00128	.00003	.00015	.00164	.00015	.00024	.00121
%RSD	64.086	89.818	89.818	55560.	112.34	168.85	6.5646	251.67	25.050	37.860	7.4903	84.546
#1	-.00096	.00476	.01018	-.00006	.00007	-.00015	-.00047	.00017	-.00540	.00029	.00297	.00058
#2	-.00255	.02131	.04561	.00006	.00001	.00166	-.00052	-.00005	-.00772	.00050	.00330	.00229
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8189.6**	**111160.**	**6202.9**
Stddev	31.6	527.	7.7
%RSD	.38615	.47395	.12365
#1	8167.2	110790.	6197.5
#2	8212.0	111530.	6208.3

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:01:41 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01095**	**.10879**	**.01661**	**.10026**	**.01022**	**.00093**	**.12588**	**.20862**	**.00531**	**.01067**	**.01026**	**.01565**	**.09651**	**3.2358**
Stddev	.00008	.00063	.00037	.00136	.00025	.00001	.00288	.00128	.00003	.00006	.00014	.00022	.00479	.1049
%RSD	.69843	.57594	2.2493	1.3602	2.4180	.83779	2.2857	.61224	.64785	.58638	1.3733	1.4094	4.9597	3.2414
#1	.01101	.10835	.01688	.09930	.01039	.00093	.12384	.20772	.00529	.01062	.01016	.01581	.09312	3.3100
#2	.01090	.10923	.01635	.10122	.01004	.00094	.12791	.20952	.00534	.01071	.01036	.01550	.09989	3.1617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00834**	**.21176**	**.01022**	**.02014**	**1.0502**	**.04252**	**2.9633**	**.01087**	**.03517**	**.00860**	**.01128**	**.48039**	**1.0280**	**.10408**
Stddev	.00013	.00357	.00008	.00038	.0045	.00024	.0140	.00015	.00325	.00109	.00234	.00342	.0073	.00036
%RSD	1.5501	1.6854	.77851	1.9065	.42358	.55621	.47182	1.3433	9.2266	12.685	20.744	.71168	.71168	.34312
#1	.00825	.21428	.01028	.01987	1.0533	.04269	2.9534	.01077	.03747	.00937	.00962	.48281	1.0332	.10383
#2	.00843	.20923	.01017	.02041	1.0470	.04235	2.9732	.01097	.03288	.00783	.01293	.47797	1.0229	.10433
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.01485**	**.00914**	**.01531**	**.07366**	**.01005**	**.02410**	**.01793**
Stddev	.00003	.00101	.00026	.00098	.02076	.00002	.00001	.00124
%RSD	.26840	6.7838	2.7993	6.3940	28.182	.21404	.03972	6.8995
#1	.01014	.01414	.00932	.01462	.08834	.01006	.02410	.01880
#2	.01010	.01556	.00896	.01600	.05898	.01003	.02411	.01705
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8503.9**	**115440.**	**6404.9**
Stddev	14.3	551.	25.5
%RSD	.16824	.47737	.39857
#1	8493.8	115050.	6386.9
#2	8514.0	115830.	6423.0

Sample Name: 280-48987-a-4-b Acquired: 11/12/2013 6:04:01 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00024**	**124.30**	**.02264**	**.00369**	**.28078**	**.00192**	**-.02154**	**29.843**	**.00025**	**.01596**
Stddev	.00024	.18	.00191	.00020	.00041	.00003	.00078	.033	.00013	.00009
%RSD	99.220	.14785	8.4538	5.4999	.14635	1.5784	3.6395	.10921	50.476	.53626
#1	-.00007	124.43	.02129	.00355	.28049	.00190	-.02099	29.866	.00016	.01602
#2	-.00041	124.17	.02399	.00383	.28107	.00194	-.02210	29.820	.00034	.01590
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17771**	**.06027**	**130.21**	**3.2718**	**.09453**	**10.211**	**.31612**	**.00285**	**.43831**	**.07776**
Stddev	.00132	.00069	.89	.0052	.00078	.033	.00063	.00004	.00357	.00022
%RSD	.74524	1.1528	.68219	.15885	.82790	.32114	.19937	1.2848	.81367	.28751
#1	.17865	.06076	130.84	3.2755	.09508	10.234	.31656	.00283	.43579	.07792
#2	.17678	.05978	129.59	3.2681	.09397	10.188	.31567	.00288	.44084	.07761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.80471**	**.09287**	**1.2533**	**.00115**	**-.00222**	**1.9422**	**4.1562**	**.00691**	**.06321**	**.04947**
Stddev	.00467	.00216	.0104	.00058	.00365	.0117	.0250	.00052	.00003	.00092
%RSD	.58058	2.3238	.82641	50.091	164.21	.60165	.60165	7.5345	.05449	1.8510
#1	.80801	.09440	1.2606	.00156	-.00481	1.9504	4.1739	.00728	.06323	.05012
#2	.80141	.09134	1.2460	.00074	.00036	1.9339	4.1385	.00654	.06318	.04882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26231**	**-.00176**	F **-.10102**	**.26165**	**.10626**	**.06976**
Stddev	.00349	.00114	.01468	.00112	.00025	.00083
%RSD	1.3303	65.103	14.529	.42757	.23113	1.1884
#1	.26477	-.00256	-.11140	.26244	.10608	.06918
#2	.25984	-.00095	-.09064	.26086	.10643	.07035
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8912.0**	**115400.**	**6936.5**
Stddev	16.3	247.	42.9
%RSD	.18323	.21423	.61913
#1	8900.5	115570.	6906.1
#2	8923.6	115220.	6966.9

Sample Name: 280-48987-a-5-b Acquired: 11/12/2013 6:06:17 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**42.399**	**.00526**	**.00164**	**.08134**	**.00030**	**-.00500**	**.45915**	**.00019**	**.00238**
Stddev	.00009	.210	.00183	.00037	.00008	.00009	.00193	.00221	.00009	.00006
%RSD	26.352	.49425	34.766	22.424	.09389	31.177	38.568	.48134	46.940	2.6566
#1	.00042	42.251	.00655	.00138	.08128	.00024	-.00636	.46072	.00013	.00243
#2	.00029	42.547	.00396	.00189	.08139	.00037	-.00364	.45759	.00025	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04710**	**.00891**	**12.518**	**.76875**	**.00775**	**1.0782**	**.02975**	**.00132**	**.14598**	**.00576**
Stddev	.00023	.00025	.069	.01973	.00137	.0062	.00006	.00026	.01177	.00017
%RSD	.49281	2.8033	.55406	2.5671	17.626	.57801	.21169	19.930	8.0629	2.9050
#1	.04727	.00909	12.469	.78270	.00872	1.0826	.02980	.00113	.15430	.00564
#2	.04694	.00874	12.567	.75479	.00678	1.0738	.02971	.00151	.13766	.00588
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09082**	**.03446**	**.20618**	**-.00114**	**-.00115**	**1.2833**	**2.7463**	**.00381**	**.01147**	**.02829**
Stddev	.00030	.00077	.00204	.00092	.00176	.0015	.0033	.00025	.00005	.00005
%RSD	.33085	2.2304	.99132	80.951	153.16	.11938	.11938	6.6611	.41864	.16852
#1	.09061	.03501	.20474	-.00049	-.00240	1.2822	2.7440	.00399	.01143	.02826
#2	.09104	.03392	.20763	-.00179	.00010	1.2844	2.7486	.00363	.01150	.02832
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23421**	**.00009**	W **-.08165**	**.09350**	**.01814**	**.03657**
Stddev	.00010	.00065	.01096	.00039	.00021	.00206
%RSD	.04156	744.43	13.424	.41396	1.1689	5.6339
#1	.23428	.00054	-.08940	.09377	.01829	.03803
#2	.23414	-.00037	-.07390	.09322	.01799	.03512
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8749.1**	**114350.**	**6657.6**
Stddev	13.9	119.	10.4
%RSD	.15881	.10435	.15631
#1	8739.3	114260.	6650.2
#2	8758.9	114430.	6664.9

Sample Name: 280-48987-a-7-b Acquired: 11/12/2013 6:08:37 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00085**	**134.15**	**.02891**	**.00712**	**.41119**	**.00342**	**-.02162**	**7.0060**	**.00054**	**.02923**
Stddev	.00021	.15	.00071	.00060	.00051	.00005	.00249	.0222	.00004	.00013
%RSD	24.668	.11434	2.4470	8.3806	.12326	1.4545	11.502	.31686	7.1510	.45879
#1	-.00100	134.04	.02942	.00754	.41155	.00339	-.01986	6.9903	.00057	.02913
#2	-.00070	134.25	.02841	.00670	.41083	.00346	-.02338	7.0217	.00052	.02932
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14939**	**.05115**	**124.31**	**3.6259**	**.10440**	**10.161**	**.39470**	**.00374**	**.36373**	**.06820**
Stddev	.00033	.00000	.36	.0018	.00172	.002	.00057	.00018	.02040	.00083
%RSD	.22377	.00348	.29273	.04896	1.6442	.01599	.14379	4.9216	5.6084	1.2120
#1	.14963	.05115	124.05	3.6247	.10561	10.160	.39430	.00387	.34930	.06878
#2	.14916	.05116	124.57	3.6272	.10318	10.162	.39510	.00361	.37815	.06761
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0662**	**.09041**	**.54194**	**-.00242**	**.00340**	**1.4452**	**3.0926**	**.00584**	**.03827**	**.05935**
Stddev	.0038	.00027	.00035	.00006	.00080	.0006	.0012	.00041	.00018	.00181
%RSD	.35935	.30233	.06453	2.4627	23.479	.03775	.03775	7.0688	.47567	3.0492
#1	1.0635	.09060	.54219	-.00238	.00397	1.4455	3.0935	.00613	.03814	.05807
#2	1.0689	.09021	.54170	-.00246	.00284	1.4448	3.0918	.00554	.03840	.06063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58822**	**-.00280**	F **-.16111**	**.24295**	**.18195**	**.06833**
Stddev	.00037	.00043	.00764	.00005	.00185	.00117
%RSD	.06313	15.215	4.7413	.02056	1.0164	1.7117
#1	.58795	-.00310	-.15571	.24299	.18065	.06916
#2	.58848	-.00250	-.16651	.24292	.18326	.06751
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8768.0**	**113290.**	**6755.5**
Stddev	19.5	78.	4.7
%RSD	.22224	.06868	.06960
#1	8754.2	113230.	6758.8
#2	8781.8	113340.	6752.1

Sample Name: 280-48987-a-8-b Acquired: 11/12/2013 6:10:52 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**60.381**	**.00847**	**.00221**	**.12994**	**.00061**	**-.00659**	**.17943**	**.00020**	**.00333**
Stddev	.00062	.039	.00008	.00017	.00028	.00010	.00264	.00133	.00020	.00000
%RSD	232.62	.06512	.89290	7.8791	.21468	15.821	39.991	.74311	103.08	.08204
#1	.00017	60.354	.00852	.00233	.12974	.00054	-.00473	.18038	.00034	.00332
#2	-.00070	60.409	.00842	.00209	.13014	.00068	-.00846	.17849	.00005	.00333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05817**	**.01413**	**20.891**	**1.8618**	**.01813**	**1.9152**	**.03784**	**.00201**	**.16862**	**.00834**
Stddev	.00013	.00014	.061	.0498	.00129	.0012	.00002	.00016	.01107	.00005
%RSD	.21725	1.0170	.29179	2.6770	7.1394	.06015	.05519	8.0821	6.5623	.60171
#1	.05826	.01423	20.934	1.8970	.01721	1.9144	.03783	.00189	.17644	.00837
#2	.05808	.01402	20.847	1.8266	.01904	1.9160	.03786	.00212	.16079	.00830
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18248**	**.03589**	**.26392**	**-.00357**	**-.00418**	**1.7670**	**3.7815**	**.00377**	**.00900**	**.02896**
Stddev	.00128	.00037	.00045	.00301	.00025	.0350	.0750	.00002	.00013	.00064
%RSD	.70172	1.0213	.17057	84.496	5.8988	1.9827	1.9827	.61957	1.4676	2.2027
#1	.18158	.03615	.26360	-.00144	-.00435	1.7423	3.7284	.00375	.00891	.02941
#2	.18339	.03563	.26424	-.00570	-.00401	1.7918	3.8345	.00378	.00910	.02851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15769**	**-.00067**	F **-.13061**	**.13586**	**.02446**	**.04056**
Stddev	.00409	.00009	.00425	.00004	.00015	.00004
%RSD	2.5942	13.591	3.2516	.02809	.63145	.10902
#1	.15479	-.00061	-.12761	.13589	.02457	.04059
#2	.16058	-.00074	-.13362	.13583	.02436	.04052
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8887.2**	**115640.**	**6747.5**
Stddev	.0	294.	16.4
%RSD	.00054	.25447	.24238
#1	8887.1	115840.	6736.0
#2	8887.2	115430.	6759.1

Sample Name: 280-49040-a-1-b Acquired: 11/12/2013 6:13:10 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**159.94**	**.02548**	**.00059**	**.30742**	**.00164**	**-.02305**	**.40593**	**.00008**	**.01275**
Stddev	.00003	.03	.00023	.00006	.00149	.00001	.00221	.00471	.00012	.00016
%RSD	6.8747	.01736	.90673	10.172	.48422	.70611	9.5981	1.1608	143.07	1.2265
#1	-.00046	159.96	.02531	.00055	.30637	.00163	-.02148	.40260	.00017	.01264
#2	-.00041	159.92	.02564	.00063	.30847	.00164	-.02461	.40926	.00000	.01286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14896**	**.02763**	**122.60**	**2.2083**	**.11287**	**4.8212**	**.06103**	**.00199**	**.38575**	**.02445**
Stddev	.00005	.00003	1.35	.0017	.00189	.0063	.00016	.00017	.00184	.00054
%RSD	.03449	.10846	1.1046	.07457	1.6757	.12993	.25805	8.6630	.47811	2.2012
#1	.14892	.02765	121.64	2.2071	.11154	4.8167	.06092	.00212	.38705	.02483
#2	.14899	.02761	123.56	2.2095	.11421	4.8256	.06114	.00187	.38444	.02407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33203**	**.11110**	**.32215**	**-.00302**	**-.00160**	**1.5443**	**3.3047**	**.00685**	**.01637**	**.06499**
Stddev	.00203	.00002	.00126	.00184	.00322	.0043	.0093	.00006	.00004	.00138
%RSD	.61236	.01426	.39120	61.108	201.42	.28012	.28012	.84379	.22241	2.1253
#1	.33059	.11111	.32126	-.00432	.00068	1.5473	3.3113	.00681	.01635	.06596
#2	.33347	.11109	.32304	-.00171	-.00388	1.5412	3.2982	.00690	.01640	.06401
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19033**	**-.00150**	F **-.20585**	**.30023**	**.05641**	**.07374**
Stddev	.00115	.00018	.01787	.00022	.00096	.00148
%RSD	.60517	11.896	8.6790	.07192	1.6987	2.0085
#1	.18952	-.00162	-.19322	.30039	.05573	.07269
#2	.19115	-.00137	-.21848	.30008	.05709	.07478
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8797.6**	**113250.**	**6801.4**
Stddev	12.9	378.	72.8
%RSD	.14694	.33406	1.0703
#1	8806.7	113520.	6852.9
#2	8788.4	112990.	6750.0

Sample Name: 280-49040-a-2-b Acquired: 11/12/2013 6:15:27 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**29.920**	**.00655**	**.00194**	**.08042**	**.00027**	**-.00250**	**.15594**	**-.00003**	**.00180**
Stddev	.00029	.050	.00128	.00030	.00021	.00001	.00108	.00172	.00008	.00009
%RSD	152.19	.16872	19.536	15.282	.26493	5.4291	43.351	1.1038	224.63	5.2627
#1	-.00040	29.955	.00565	.00215	.08026	.00026	-.00327	.15715	.00002	.00187
#2	.00001	29.884	.00746	.00173	.08057	.00028	-.00173	.15472	-.00009	.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03468**	**.00749**	**6.6012**	**1.6297**	**.00646**	**.74832**	**.01174**	**.00127**	**.13403**	**.00424**
Stddev	.00028	.00041	.0098	.0076	.00200	.00406	.00004	.00016	.00220	.00036
%RSD	.79464	5.4418	.14793	.46827	30.880	.54197	.36285	12.447	1.6401	8.5744
#1	.03487	.00720	6.5943	1.6243	.00787	.74545	.01171	.00116	.13559	.00398
#2	.03448	.00778	6.6081	1.6351	.00505	.75118	.01177	.00139	.13248	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06163**	**.02319**	**.09601**	**-.00448**	**.00055**	**1.7268**	**3.6953**	**.00315**	**.01030**	**.01634**
Stddev	.00093	.00111	.00463	.00087	.00196	.0079	.0170	.00049	.00006	.00004
%RSD	1.5115	4.7842	4.8183	19.460	358.88	.45952	.45952	15.670	.58564	.24820
#1	.06097	.02241	.09928	-.00509	-.00084	1.7212	3.6833	.00280	.01026	.01637
#2	.06229	.02398	.09274	-.00386	.00193	1.7324	3.7073	.00350	.01034	.01631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15282**	**.00049**	W **-.07240**	**.08402**	**.00883**	**.03247**
Stddev	.00152	.00136	.00437	.00009	.00088	.00128
%RSD	.99240	274.59	6.0407	.10154	9.9120	3.9307
#1	.15174	.00145	-.07549	.08396	.00945	.03157
#2	.15389	-.00047	-.06931	.08408	.00821	.03338
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8699.3**	**116390.**	**6714.3**
Stddev	18.7	130.	27.0
%RSD	.21474	.11189	.40228
#1	8712.5	116300.	6695.2
#2	8686.1	116480.	6733.4

Sample Name: 280-49040-a-4-b Acquired: 11/12/2013 6:17:45 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**136.78**	**.01552**	**.00064**	**.23829**	**.00099**	**-.01466**	**.29580**	**.00018**	**.00849**
Stddev	.00050	.22	.00204	.00026	.00036	.00003	.00072	.00259	.00007	.00010
%RSD	53.447	.16448	13.171	41.501	.15016	3.2035	4.9112	.87627	36.647	1.1201
#1	-.00058	136.94	.01696	.00045	.23854	.00097	-.01517	.29764	.00023	.00856
#2	-.00128	136.62	.01407	.00082	.23803	.00102	-.01415	.29397	.00013	.00843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10565**	**.01155**	**74.430**	**1.6292**	**.07930**	**3.8413**	**.04390**	**.00079**	**.57050**	**.01705**
Stddev	.00052	.00003	.391	.0045	.00325	.0132	.00036	.00027	.02361	.00010
%RSD	.49574	.22919	.52584	.27336	4.0994	.34390	.83004	33.940	4.1376	.59378
#1	.10602	.01153	74.706	1.6323	.07700	3.8319	.04364	.00098	.55381	.01712
#2	.10528	.01157	74.153	1.6260	.08160	3.8506	.04416	.00060	.58719	.01697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21071**	**.09713**	**.32389**	**-.00149**	**-.00342**	**1.4808**	**3.1689**	**.00618**	**.01483**	**.05056**
Stddev	.00033	.00054	.00060	.00206	.00601	.0279	.0596	.00009	.00000	.00006
%RSD	.15874	.55813	.18576	138.45	176.13	1.8811	1.8811	1.4455	.00602	.11085
#1	.21095	.09675	.32431	-.00294	-.00767	1.5005	3.2111	.00612	.01483	.05060
#2	.21047	.09751	.32346	-.00003	.00084	1.4611	3.1268	.00625	.01483	.05052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15538**	**-.00152**	F **-.23470**	**.22815**	**.03446**	**.06141**
Stddev	.00435	.00018	.02787	.00174	.00012	.00188
%RSD	2.7976	12.166	11.876	.76253	.33572	3.0619
#1	.15845	-.00165	-.25441	.22692	.03437	.06008
#2	.15231	-.00139	-.21499	.22938	.03454	.06274
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8785.9**	**112880.**	**6683.9**
Stddev	26.6	100.	21.7
%RSD	.30296	.08847	.32472
#1	8767.1	112960.	6668.6
#2	8804.8	112810.	6699.3

Sample Name: 280-49040-a-5-b Acquired: 11/12/2013 6:20:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200212 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**51.571**	**.00800**	**.00148**	**.10489**	**.00035**	**-.00561**	**.32562**	**.00012**	**.00270**
Stddev	.00059	.064	.00183	.00023	.00040	.00001	.00200	.00040	.00019	.00000
%RSD	275.15	.12365	22.872	15.632	.38045	1.5489	35.706	.12154	157.94	.02337
#1	-.00063	51.617	.00929	.00131	.10517	.00035	-.00419	.32590	.00025	.00270
#2	.00020	51.526	.00670	.00164	.10460	.00034	-.00703	.32534	-.00001	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04567**	**.00673**	**11.284**	**1.5803**	**.01243**	**1.3502**	**.02554**	**.00066**	**.24730**	**.00628**
Stddev	.00019	.00034	.038	.0208	.00006	.0100	.00013	.00013	.01086	.00004
%RSD	.42085	5.0747	.33340	1.3167	.50582	.73821	.52717	20.367	4.3894	.60167
#1	.04553	.00697	11.311	1.5656	.01247	1.3573	.02564	.00075	.23963	.00631
#2	.04580	.00649	11.257	1.5950	.01238	1.3432	.02545	.00056	.25498	.00626
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09251**	**.03932**	**.15804**	**-.00092**	**-.00029**	**1.7686**	**3.7849**	**.00405**	**.01357**	**.02621**
Stddev	.00038	.00129	.00131	.00078	.00084	.0032	.0067	.00057	.00006	.00052
%RSD	.40802	3.2768	.82771	84.513	290.63	.17791	.17791	14.098	.44690	1.9882
#1	.09278	.03840	.15711	-.00148	.00030	1.7664	3.7801	.00446	.01361	.02658
#2	.09224	.04023	.15896	-.00037	-.00088	1.7709	3.7897	.00365	.01352	.02585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14563**	**-.00027**	F **-.12541**	**.07802**	**.02107**	**.04456**
Stddev	.00086	.00083	.05003	.00079	.00003	.00118
%RSD	.59084	308.55	39.891	1.0082	.12305	2.6511
#1	.14624	.00032	-.09003	.07858	.02105	.04540
#2	.14502	-.00086	-.16078	.07746	.02109	.04372
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8714.8**	**114750.**	**6593.8**
Stddev	35.3	596.	21.5
%RSD	.40469	.51969	.32550
#1	8689.9	114330.	6578.7
#2	8739.8	115170.	6609.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 6:22:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00730**	**50.820**	**.00174**	**.00096**	**-.00022**	**-.00006**	W **1.0823**	**.01353**	**-.00026**	**-.00025**	**.00023**	**.01107**
Stddev	.00016	.088	.00123	.00015	.00041	.00009	.0007	.00366	.00001	.00013	.00009	.00019
%RSD	2.1290	.17404	70.485	15.242	188.49	156.23	.06095	27.081	2.9696	52.555	41.416	1.6883
#1	.00741	50.758	.00261	.00106	-.00051	-.00012	1.0828	.01612	-.00027	-.00016	.00029	.01094
#2	.00719	50.883	.00088	.00086	.00007	.00001	1.0819	.01094	-.00026	-.00035	.00016	.01121
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.183**	**.00322**	**-.00290**	**.08228**	**.00078**	**-.00036**	**273.45**	**-.00023**	**-.00168**	**.00088**	**5.1748**	**-.00001**
Stddev	.222	.01378	.00126	.00351	.00000	.00001	.88	.00001	.00043	.00056	.0055	.00289
%RSD	.45099	428.62	43.455	4.2694	.10582	2.4709	.32173	5.8427	25.434	63.367	.10535	45201.
#1	49.027	-.00653	-.00201	.08477	.00078	-.00036	274.07	-.00024	-.00138	.00049	5.1709	-.00205
#2	49.340	.01296	-.00380	.07980	.00078	-.00035	272.82	-.00022	-.00198	.00127	5.1786	.00203
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00358**	**.00356**	**.00762**	**-.00052**	**.00001**	**5.0574**	**-.01308**	**.00110**	F **5.4764**	**.00160**	**.00234**	**.05936**
Stddev	.00112	.00667	.01427	.00011	.00014	.0046	.00043	.00052	.0031	.00034	.00010	.00149
%RSD	31.311	187.20	187.20	20.530	1344.1	.09136	3.2690	47.401	.05742	21.079	4.3452	2.5053
#1	-.00437	-.00115	-.00247	-.00044	.00011	5.0541	-.01338	.00073	5.4787	.00184	.00227	.06041
#2	-.00279	.00828	.01772	-.00059	-.00009	5.0607	-.01278	.00146	5.4742	.00136	.00242	.05831
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8013.6**	**105790.**	**6130.5**
Stddev	.2	71.	23.4
%RSD	.00258	.06685	.38238
#1	8013.4	105840.	6147.1
#2	8013.7	105740.	6114.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 6:24:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50413**	**.53775**	**.99827**	**.50421**	**.50948**	**.48395**	**-.00377**	**5.0163**	**.50368**	**.50586**	**.51161**	**.50649**	**2.3892**
Stddev	.00161	.00160	.00035	.00162	.00038	.00110	.00186	.0029	.00132	.00087	.00211	.00021	.0063
%RSD	.31870	.29800	.03525	.32121	.07542	.22737	49.422	.05825	.26198	.17222	.41283	.04187	.26462
#1	.50299	.53662	.99852	.50306	.50921	.48473	-.00509	5.0184	.50275	.50524	.51012	.50634	2.3936
#2	.50527	.53889	.99802	.50535	.50975	.48317	-.00245	5.0143	.50462	.50647	.51310	.50664	2.3847
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.712**	**1.0225**	**20.250**	**.50003**	**.51460**	**5.2648**	**.51273**	**1.0123**	**1.0305**	**.03094**	**1.0061**	**1.0050**	**4.8201**
Stddev	.002	.0051	.090	.00151	.00099	.0624	.00071	.0018	.0030	.00082	.0013	.0028	.0172
%RSD	.00445	.49786	.44454	.30207	.19244	1.1848	.13945	.17880	.29291	2.6574	.12453	.27517	.35694
#1	52.711	1.0189	20.186	.49896	.51530	5.3089	.51223	1.0136	1.0327	.03152	1.0052	1.0030	4.8323
#2	52.714	1.0261	20.313	.50110	.51390	5.2207	.51324	1.0111	1.0284	.03036	1.0069	1.0069	4.8079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.315**	**1.0325**	**.50531**	**-.00469**	**.49333**	**1.0294**	**-.01065**	**.50037**	**.51055**	**.49686**
Stddev	.037	.0040	.00008	.00374	.00144	.0021	.02686	.00065	.00079	.00301
%RSD	.35694	.38960	.01624	79.846	.29197	.19999	252.11	.12953	.15392	.60511
#1	10.341	1.0297	.50525	-.00204	.49231	1.0308	-.02964	.49991	.50999	.49899
#2	10.289	1.0354	.50537	-.00733	.49435	1.0279	.00834	.50083	.51110	.49474
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8201.6**	**109280.**	**6339.4**
Stddev	19.1	582.	1.1
%RSD	.23261	.53244	.01795
#1	8215.0	109690.	6340.2
#2	8188.1	108870.	6338.6

Sample Name: CCB Acquired: 11/12/2013 6:26:48 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**-.00400**	**.00132**	**.00037**	W **-.00063**	**.00000**	**-.00060**	**.00324**	**.00013**	**-.00004**	**-.00002**
Stddev	.00002	.00003	.00030	.00013	.00017	.0000	.00051	.00223	.00001	.00018	.00004
%RSD	6.9191	.81399	22.450	36.481	26.466	869.18	84.811	68.721	9.8121	440.09	149.20
#1	.00028	-.00402	.00153	.00027	-.00051	.00002	-.00095	.00166	.00012	-.00017	.00000
#2	.00025	-.00397	.00111	.00046	-.00074	-.00003	-.00024	.00481	.00014	.00009	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit					.00058						
Low Limit					-.00058						

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00064**	**-.03279**	**-.00225**	**-.00004**	**.00001**	**.00032**	**-.01360**	**.00031**	**-.00416**	**-.00085**
Stddev	.00012	.00355	.01424	.00025	.00389	.00003	.00005	.00127	.00016	.00013	.00072
%RSD	152.91	552.06	43.416	11.282	9849.0	453.10	16.540	9.3571	51.061	3.2331	85.535
#1	-.00001	-.00315	-.02273	-.00243	.00271	-.00002	.00036	-.01270	.00020	-.00407	-.00033
#2	.00016	.00187	-.04286	-.00207	-.00279	.00003	.00028	-.01450	.00042	-.00426	-.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03899**	W **.00413**	**.00014**	**-.01249**	**-.02673**	**.00076**	**.00002**	**.00044**	**-.00050**	**-.00004**	**.01712**
Stddev	.00185	.00021	.00049	.00295	.00632	.00044	.00013	.00036	.00011	.00062	.02633
%RSD	4.7326	4.9871	353.85	23.654	23.654	57.274	680.15	80.796	21.520	1519.6	153.74
#1	.03768	.00399	.00048	-.01458	-.03120	.00107	-.00008	.00019	-.00058	.00040	-.00149
#2	.04029	.00428	-.00021	-.01040	-.02226	.00045	.00011	.00069	-.00043	-.00048	.03574
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00032**	**.00258**	**.00195**
Stddev	.00007	.00016	.00114
%RSD	23.214	6.2781	58.425
#1	.00027	.00247	.00275
#2	.00037	.00270	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8145.5**	**110730.**	**6167.3**
Stddev	51.4	472.	50.0
%RSD	.63141	.42656	.81038
#1	8109.1	111070.	6132.0
#2	8181.8	110400.	6202.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:29:06 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01079**	**.10845**	**.01624**	**.09936**	**.01071**	**.00087**	**.12414**	**.20754**	**.00515**	**.01055**	**.01048**	**.01546**	**.09443**
Stddev	.00036	.00016	.00013	.00067	.00023	.00002	.00089	.00301	.00009	.00019	.00003	.00051	.00016
%RSD	3.3683	.15052	.78963	.67112	2.1673	2.8184	.71799	1.4525	1.8224	1.7943	.26937	3.3104	.16508
#1	.01054	.10857	.01633	.09983	.01054	.00089	.12351	.20967	.00522	.01069	.01050	.01510	.09454
#2	.01105	.10833	.01615	.09888	.01087	.00086	.12477	.20541	.00508	.01042	.01046	.01583	.09432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2338**	**.00901**	**.21341**	**.01027**	**.02024**	**1.0616**	**.04279**	**2.9727**	**.00936**	**.02909**	**.00790**	**.01499**	**.48965**
Stddev	.0415	.00030	.00758	.00010	.00011	.0249	.00014	.0063	.00090	.00099	.00123	.00157	.01853
%RSD	1.2836	3.3132	3.5538	.98519	.52603	2.3474	.32587	.21360	9.5889	3.4045	15.630	10.439	3.7836
#1	3.2044	.00922	.21877	.01019	.02032	1.0440	.04289	2.9772	.00873	.02979	.00702	.01389	.47655
#2	3.2631	.00880	.20805	.01034	.02017	1.0793	.04269	2.9683	.01000	.02839	.00877	.01610	.50275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0478**	**.10509**	**.01021**	**.01290**	**.00920**	**.01731**	F **.08133**	**.00994**	**.02477**	**.01862**
Stddev	.0396	.00060	.00010	.00161	.00034	.00131	.01790	.00042	.00024	.00051
%RSD	3.7836	.57329	.95739	12.485	3.7299	7.5826	22.011	4.2144	.98320	2.7523
#1	1.0198	.10552	.01014	.01176	.00944	.01824	.09399	.01024	.02460	.01826
#2	1.0759	.10466	.01028	.01404	.00895	.01638	.06867	.00965	.02494	.01898
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8474.7**	**114590.**	**6381.0**
Stddev	4.7	104.	22.9
%RSD	.05590	.09108	.35840
#1	8471.4	114510.	6397.1
#2	8478.1	114660.	6364.8

Sample Name: mb 280-199858/1-b Acquired: 11/12/2013 6:31:26 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00248**	**.00065**	**-.00015**	**-.00045**	**-.00002**	**.00108**	**.01129**	**.00001**	**.00026**
Stddev	.00007	.00023	.00088	.00009	.00021	.00010	.00172	.00563	.00002	.00001
%RSD	28.325	9.1811	135.25	60.364	47.337	471.14	159.28	49.895	145.63	2.1353
#1	.00029	-.00232	.00003	-.00008	-.00030	-.00009	.00230	.01528	.00000	.00027
#2	.00020	-.00264	.00127	-.00021	-.00061	.00005	-.00014	.00731	.00003	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00007**	**.00231**	**-.05830**	**-.00274**	**.00393**	**.00013**	**-.00013**	**-.01630**	**.00047**
Stddev	.00017	.00004	.00039	.01507	.00312	.00132	.00002	.00018	.00841	.00036
%RSD	297.40	47.906	16.910	25.858	113.77	33.686	13.777	141.93	51.623	77.758
#1	.00018	.00005	.00258	-.04764	-.00054	.00486	.00012	.00000	-.02224	.00021
#2	-.00006	.00010	.00203	-.06896	-.00494	.00299	.00015	-.00025	-.01035	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00256**	**-.00094**	F **.04012**	**-.00194**	**.00053**	**-.00012**	**-.00025**	**-.00019**	**.00001**	W **.00006**
Stddev	.00104	.00007	.00149	.00057	.00053	.00229	.00490	.00009	.00002	.00001
%RSD	40.690	7.8415	3.7115	29.101	99.001	1986.2	1986.2	45.905	272.08	19.562
#1	-.00183	-.00099	.03907	-.00234	.00090	.00150	.00322	-.00025	.00002	.00007
#2	-.00330	-.00089	.04117	-.00154	.00016	-.00173	-.00371	-.00013	-.00001	.00005
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00107**	**-.00172**	**.00045**	**.00331**	**.00056**
Stddev	.00016	.00020	.00261	.00006	.00007	.00130
%RSD	47.934	19.018	151.95	12.357	2.0100	233.74
#1	-.00022	-.00093	-.00356	.00041	.00336	.00148
#2	-.00045	-.00122	.00013	.00049	.00326	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8455.3**	**113720.**	**6410.5**
Stddev	6.3	525.	32.8
%RSD	.07429	.46184	.51129
#1	8459.7	113340.	6433.7
#2	8450.8	114090.	6387.4

Sample Name: lcs 280-199858/2-b Acquired: 11/12/2013 6:33:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05201**	**2.0234**	**1.0118**	**1.0215**	**2.0641**	**.04818**	**2.2960**	**48.589**	**.10739**	**.49647**
Stddev	.00010	.0024	.0031	.0018	.0010	.00013	.0043	.094	.00010	.00046
%RSD	.18427	.12092	.30188	.17456	.04933	.27410	.18734	.19326	.09728	.09190
#1	.05194	2.0252	1.0139	1.0202	2.0634	.04809	2.2929	48.523	.10747	.49679
#2	.05207	2.0217	1.0096	1.0228	2.0648	.04827	2.2990	48.655	.10732	.49615
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20493**	**.26080**	**.94539**	**53.397**	**1.0263**	**50.573**	**.49749**	**1.0268**	**55.030**	**.50220**
Stddev	.00088	.00118	.00261	.146	.0005	.017	.00073	.0010	.537	.00031
%RSD	.42828	.45167	.27635	.27283	.04681	.03265	.14599	.09702	.97617	.06243
#1	.20555	.25997	.94724	53.294	1.0259	50.585	.49698	1.0275	55.410	.50197
#2	.20431	.26164	.94354	53.500	1.0266	50.561	.49800	1.0261	54.650	.50242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.376**	**.49895**	**.02931**	**.49474**	**2.0305**	**9.6445**	**20.639**	**2.0376**	**1.0200**	**1.0098**
Stddev	.005	.00152	.00222	.00065	.0006	.0301	.064	.0044	.0000	.0013
%RSD	.04651	.30423	7.5588	.13199	.02801	.31179	.31179	.21426	.00103	.12408
#1	10.373	.50002	.02775	.49520	2.0309	9.6658	20.685	2.0406	1.0200	1.0107
#2	10.379	.49788	.03088	.49428	2.0301	9.6233	20.594	2.0345	1.0200	1.0089
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.99788**	**1.9738**	**2.1646**	**.50728**	**.50672**	**.51007**
Stddev	.00084	.0010	.0336	.00006	.00200	.00289
%RSD	.08463	.05169	1.5508	.01217	.39522	.56724
#1	.99728	1.9731	2.1409	.50733	.50530	.51211
#2	.99848	1.9745	2.1884	.50724	.50813	.50802
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8153.7**	**108670.**	**6416.6**
Stddev	4.1	165.	39.9
%RSD	.05003	.15153	.62178
#1	8156.6	108790.	6444.8
#2	8150.9	108560.	6388.4

Sample Name: 280-48924-c-1-b Acquired: 11/12/2013 6:35:54 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.00607**	**-.00267**	**.02906**	**.00055**	**.00000**	**-.00011**	**.04164**	**-.00003**	**.00036**
Stddev	.00015	.00006	.00112	.00030	.00015	.0000	.00128	.00664	.00002	.00020
%RSD	23.746	.99985	41.970	1.0429	27.662	1795.4	1202.6	15.954	68.789	55.515
#1	.00052	.00603	-.00346	.02928	.00066	-.00003	.00080	.04633	-.00002	.00050
#2	.00074	.00612	-.00188	.02885	.00045	.00003	-.00101	.03694	-.00005	.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00339**	**.00042**	**.00124**	**.00684**	**-.00107**	**.00378**	**.00034**	**.00016**	**.00034**	**.00160**
Stddev	.00008	.00035	.00024	.00790	.00064	.00137	.00002	.00005	.00964	.00017
%RSD	2.2306	83.412	19.057	115.58	59.972	36.196	6.2414	29.300	2854.1	10.852
#1	.00345	.00017	.00141	.01243	-.00062	.00475	.00033	.00013	.00715	.00147
#2	.00334	.00067	.00107	.00125	-.00152	.00281	.00036	.00019	-.00648	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00287**	**-.00135**	**.03473**	**-.00217**	**-.00066**	**.01308**	**.02799**	**.00002**	**.00027**	**-.00074**
Stddev	.00111	.00086	.00345	.00038	.00034	.01656	.03543	.00005	.00002	.00067
%RSD	38.846	63.727	9.9297	17.649	51.627	126.58	126.58	359.07	7.1255	90.107
#1	-.00366	-.00074	.03717	-.00190	-.00042	.00137	.00294	.00005	.00028	-.00122
#2	-.00208	-.00195	.03229	-.00244	-.00091	.02479	.05305	-.00002	.00025	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**.00107**	**.00070**	**.00018**	**.00397**	**.00257**
Stddev	.00044	.00046	.01634	.00055	.00015	.00106
%RSD	264.00	43.056	2318.1	304.17	3.7414	41.190
#1	.00048	.00074	.01226	.00057	.00386	.00332
#2	-.00014	.00139	-.01085	-.00021	.00407	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8475.7**	**115130.**	**6484.3**
Stddev	32.4	303.	41.9
%RSD	.38192	.26298	.64599
#1	8498.6	115340.	6454.7
#2	8452.9	114910.	6513.9

Sample Name: 280-48924-c-2-b Acquired: 11/12/2013 6:38:13 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00077**	**.00032**	**.03068**	**.10504**	**.00001**	**-.00050**	**30.817**	**.00014**	**.00257**
Stddev	.00057	.00012	.00032	.00070	.00009	.00002	.00083	.051	.00019	.00020
%RSD	82.562	15.221	101.84	2.2797	.09009	131.54	166.69	.16655	130.83	7.9375
#1	.00029	.00069	.00055	.03117	.10510	.00003	.00009	30.853	.00028	.00271
#2	.00110	.00085	.00009	.03018	.10497	.00000	-.00108	30.780	.00001	.00243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00233**	**.04119**	**7.4719**	**.11910**	**16.572**	**.09188**	**.00477**	W **575.90**	**.00329**
Stddev	.00007	.00019	.00344	.0535	.00439	.087	.00012	.00007	.10	.00061
%RSD	99.691	7.9498	8.3506	.71586	3.6898	.52524	.12833	1.5216	.01817	18.397
#1	.00012	.00246	.04362	7.4341	.12221	16.633	.09196	.00472	575.98	.00372
#2	.00002	.00220	.03876	7.5097	.11600	16.510	.09179	.00482	575.83	.00286
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00799**	**-.00014**	**26.290**	**-.00198**	**.00111**	**3.1683**	**6.7801**	**.00067**	**3.1265**	**-.00267**
Stddev	.00008	.00111	.002	.00052	.00089	.0209	.0447	.00101	.0039	.00154
%RSD	1.0562	766.00	.00729	26.164	80.223	.65967	.65967	151.52	.12477	57.689
#1	.00805	-.00093	26.289	-.00161	.00048	3.1535	6.7485	-.00005	3.1292	-.00158
#2	.00793	.00064	26.291	-.00235	.00174	3.1831	6.8118	.00138	3.1237	-.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00064**	**.01883**	**.00115**	**.00658**	**.00167**
Stddev	.00000	.00045	.01057	.00037	.00038	.00008
%RSD	1.2913	69.296	56.124	32.049	5.7145	5.0230
#1	.00014	.00096	.01136	.00089	.00632	.00173
#2	.00014	.00033	.02630	.00142	.00685	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7677.9**	**100320.**	**6288.4**
Stddev	15.0	885.	75.9
%RSD	.19551	.88247	1.2062
#1	7667.3	99692.	6342.0
#2	7688.6	100940.	6234.8

Sample Name: 280-48924-c-3-b Acquired: 11/12/2013 6:40:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00540**	**.00347**	**.02844**	**.10081**	**-.00001**	**.00109**	**29.199**	**.00015**	**.00216**
Stddev	.00037	.00033	.00368	.00050	.00012	.00005	.00387	.116	.00007	.00014
%RSD	270.88	6.1177	106.10	1.7494	.11802	410.26	353.39	.39741	46.546	6.2860
#1	-.00012	.00564	.00087	.02809	.10089	-.00005	.00383	29.117	.00020	.00226
#2	.00039	.00517	.00607	.02879	.10073	.00002	-.00164	29.281	.00010	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00161**	**.02462**	**7.2825**	**.11601**	**15.694**	**.08973**	**.00419**	W **546.01**	**.00314**
Stddev	.00018	.00036	.00266	.0258	.00210	.001	.00000	.00022	1.78	.00007
%RSD	113.40	22.151	10.789	.35478	1.8067	.00878	.00481	5.1995	.32560	2.3462
#1	.00028	.00187	.02274	7.2642	.11453	15.695	.08973	.00404	544.75	.00319
#2	.00003	.00136	.02649	7.3008	.11749	15.693	.08973	.00434	547.26	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00758**	**-.00005**	**25.122**	**-.00332**	**-.00035**	**3.0358**	**6.4966**	**-.00020**	**2.9538**	**-.00177**
Stddev	.00077	.00056	.026	.00106	.00149	.0083	.0178	.00006	.0062	.00005
%RSD	10.201	1217.0	.10182	31.791	430.61	.27446	.27446	31.020	.21024	2.6613
#1	.00704	.00035	25.104	-.00257	-.00140	3.0299	6.4840	-.00025	2.9494	-.00174
#2	.00813	-.00045	25.140	-.00407	.00071	3.0417	6.5092	-.00016	2.9582	-.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00016**	**.00212**	**.00051**	**.00648**	**.00148**
Stddev	.00007	.00075	.03647	.00020	.00036	.00295
%RSD	38.569	471.20	1717.1	40.334	5.5784	199.13
#1	-.00022	-.00037	.02791	.00036	.00622	-.00060
#2	-.00013	.00069	-.02366	.00065	.00673	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7730.4**	**100750.**	**6223.9**
Stddev	10.4	387.	17.4
%RSD	.13475	.38436	.27980
#1	7723.1	100470.	6211.6
#2	7737.8	101020.	6236.3

Sample Name: 280-48924-a-4-b Acquired: 11/12/2013 6:43:06 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00063**	**.06142**	**-.00219**	**.03903**	**.02134**	**.00000**	**-.00096**	**435.79**	**.00057**	**.00055**
Stddev	.00003	.00032	.00100	.00005	.00002	.00011	.00068	13.44	.00002	.00012
%RSD	5.3381	.51517	45.739	.13895	.09054	5764.9	70.445	3.0834	3.7771	22.784
#1	.00065	.06120	-.00148	.03899	.02136	.00008	-.00048	426.28	.00059	.00046
#2	.00061	.06165	-.00289	.03907	.02133	-.00008	-.00144	445.29	.00056	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00054**	**.00134**	**.59397**	**8.2034**	**.01817**	**65.302**	**.14647**	**.00135**	**451.64**	**.00085**
Stddev	.00016	.00036	.00085	.0614	.00055	.524	.00008	.00045	.99	.00022
%RSD	30.655	26.518	.14283	.74870	3.0346	.80315	.05790	33.267	.21970	25.487
#1	.00065	.00109	.59337	8.1599	.01856	65.672	.14653	.00167	450.94	.00070
#2	.00042	.00159	.59457	8.2468	.01778	64.931	.14641	.00103	452.34	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01412**	**-.00124**	F **718.90**	**-.00129**	**-.00391**	**.85831**	**1.8368**	**-.00009**	W **7.6139**	**-.00206**
Stddev	.00091	.00184	1.21	.00005	.00007	.00807	.0173	.00048	.0689	.00048
%RSD	6.4363	147.80	.16833	3.8850	1.8822	.94001	.94001	527.25	.90520	23.291
#1	.01476	-.00254	718.04	-.00126	-.00386	.85261	1.8246	.00025	7.5652	-.00172
#2	.01348	.00006	719.75	-.00133	-.00397	.86402	1.8490	-.00043	7.6627	-.00240
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit			200.00						5.0000	
Low Limit			-.20000						-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00084**	**-.02196**	**.00080**	**.01088**	**.00339**
Stddev	.00014	.00144	.01881	.00017	.00006	.00249
%RSD	340.05	171.36	85.679	21.032	.51011	73.384
#1	.00006	.00186	-.00865	.00091	.01084	.00515
#2	-.00014	-.00018	-.03526	.00068	.01092	.00163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7782.6**	**102540.**	**6497.5**
Stddev	16.1	1268.	36.1
%RSD	.20733	1.2369	.55490
#1	7771.2	101650.	6472.1
#2	7794.0	103440.	6523.0

Sample Name: 280-48922-d-1-b Acquired: 11/12/2013 6:45:44 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00050**	**.00271**	**.00090**	**.01080**	**.06530**	**-.00011**	**-.00004**	**36.707**	**.00016**	**.00011**
Stddev	.00019	.00014	.00048	.00025	.00044	.00000	.00093	.079	.00005	.00017
%RSD	38.010	5.1717	53.982	2.3312	.66818	2.1686	2068.4	.21616	27.630	158.41
#1	.00063	.00281	.00124	.01098	.06561	-.00011	.00061	36.651	.00013	.00022
#2	.00036	.00261	.00056	.01062	.06499	-.00011	-.00070	36.763	.00020	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.00045**	**.01828**	**1.5723**	**.00491**	**8.4605**	**.01271**	**.00063**	**18.326**	**.00063**
Stddev	.00014	.00015	.00030	.0459	.00277	.0046	.00002	.00000	.181	.00007
%RSD	178.78	32.619	1.6225	2.9200	56.534	.05475	.18663	.35996	.98501	11.437
#1	-.00002	.00055	.01849	1.6047	.00687	8.4637	.01269	.00063	18.454	.00068
#2	.00018	.00035	.01807	1.5398	.00295	8.4572	.01272	.00064	18.199	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00341**	**-.00051**	**17.503**	**-.00197**	**.00033**	**4.9672**	**10.630**	**-.00013**	**.35194**	**.00003**
Stddev	.00076	.00115	.013	.00061	.00245	.0159	.034	.00029	.00046	.00155
%RSD	22.261	226.74	.07240	30.762	752.60	.31972	.31972	226.64	.13105	5165.3
#1	-.00394	.00031	17.512	-.00240	.00206	4.9784	10.654	.00008	.35161	-.00107
#2	-.00287	-.00132	17.494	-.00154	-.00141	4.9560	10.606	-.00034	.35227	.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00075**	**.01145**	**.00031**	**.00312**	**.00075**
Stddev	.00001	.00106	.01682	.00001	.00025	.00114
%RSD	14.384	140.61	146.88	1.9311	7.9897	152.73
#1	-.00009	.00150	.02334	.00031	.00295	-.00006
#2	-.00011	.00000	-.00044	.00032	.00330	.00155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8417.8**	**113880.**	**6712.9**
Stddev	5.9	92.	1.3
%RSD	.07037	.08040	.01890
#1	8422.0	113820.	6712.0
#2	8413.6	113950.	6713.8

Sample Name: 280-48922-d-2-b Acquired: 11/12/2013 6:48:04 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00352**	**.00103**	**.02122**	**.05045**	**-.00004**	**-.00067**	**89.867**	**.00052**	**-.00010**
Stddev	.00035	.00027	.00126	.00037	.00065	.00000	.00098	.035	.00003	.00015
%RSD	208.09	7.8077	122.93	1.7478	1.2812	.15484	147.13	.03905	5.5398	148.67
#1	-.00008	-.00371	.00192	.02096	.05000	-.00004	.00003	89.892	.00054	.00001
#2	.00041	-.00332	.00013	.02148	.05091	-.00004	-.00136	89.842	.00050	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00174**	**.01185**	**5.9955**	**.07508**	**72.911**	**.02572**	**.00066**	**391.00**	**.00115**
Stddev	.00001	.00012	.00055	.0552	.00110	.172	.00024	.00011	.93	.00010
%RSD	7.1019	6.7032	4.6287	.92023	1.4696	.23550	.93487	16.619	.23735	8.8858
#1	.00018	.00183	.01224	6.0346	.07430	72.790	.02555	.00074	390.34	.00122
#2	.00020	.00166	.01146	5.9565	.07586	73.033	.02589	.00059	391.65	.00108
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00020**	**-.00089**	F **213.24**	**-.00254**	**-.00185**	**4.3997**	**9.4153**	**.00006**	**3.1041**	**-.00131**
Stddev	.00059	.00036	.22	.00100	.00005	.0335	.0717	.00015	.0041	.00191
%RSD	287.82	40.601	.10195	39.305	2.7711	.76172	.76172	256.00	.13217	145.83
#1	.00021	-.00114	213.08	-.00183	-.00181	4.3760	9.3646	.00016	3.1012	-.00267
#2	-.00062	-.00063	213.39	-.00325	-.00188	4.4234	9.4660	-.00005	3.1070	.00004
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00048**	**.00112**	**.00450**	**.00045**	**.00464**	**.00330**
Stddev	.00008	.00072	.06006	.00014	.00033	.00003
%RSD	17.472	64.117	1334.8	30.561	7.0579	.76277
#1	-.00054	.00163	.04697	.00055	.00487	.00328
#2	-.00042	.00061	-.03797	.00035	.00441	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7869.2**	**105270.**	**6534.1**
Stddev	3.4	970.	18.2
%RSD	.04313	.92160	.27870
#1	7871.6	105960.	6521.3
#2	7866.8	104580.	6547.0

Sample Name: CCVH-2372891 Acquired: 11/12/2013 6:50:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00809**	**51.469**	**.00328**	**.00065**	**-.00012**	**-.00015**	F **1.1055**	**.02928**	**-.00016**	**-.00020**	**.00017**	**.01161**
Stddev	.00025	.116	.00008	.00024	.00003	.00020	.0045	.00161	.00021	.00028	.00000	.00032
%RSD	3.1196	.22469	2.5323	37.096	26.478	133.84	.41020	5.5066	126.78	139.21	1.7923	2.7842
#1	.00827	51.388	.00333	.00082	-.00015	-.00030	1.1087	.03042	-.00031	.00000	.00017	.01184
#2	.00792	51.551	.00322	.00048	-.00010	-.00001	1.1023	.02814	-.00002	-.00040	.00017	.01138
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.495**	**.12051**	**-.00008**	**.08880**	**.00080**	**-.00002**	F **277.75**	**.00003**	**-.00069**	**.00007**	W **5.2969**	**-.00116**
Stddev	.207	.00366	.00018	.00174	.00005	.00010	1.24	.00003	.00026	.00051	.0433	.00172
%RSD	.41819	3.0344	230.74	1.9549	6.1348	572.03	.44506	100.07	37.480	734.29	.81703	149.07
#1	49.349	.12310	.00005	.08757	.00084	.00006	276.87	.00006	-.00088	-.00029	5.3275	-.00238
#2	49.641	.11793	-.00020	.09002	.00077	-.00009	278.62	.00001	-.00051	.00043	5.2663	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Fail	None	None	None	Chk Warn	None
Value							250.00				5.0000	
Range							10.490%				5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00525**	**.00958**	**.02050**	**.00023**	**.00049**	**5.1420**	**-.01335**	**.00178**	F **5.5349**	**.00142**	**.00197**	**.05645**
Stddev	.00387	.00804	.01722	.00017	.00005	.0034	.00022	.00038	.0018	.00014	.00008	.00102
%RSD	73.709	83.974	83.974	74.422	9.2274	.06592	1.6208	21.569	.03195	9.7264	4.2523	1.8126
#1	-.00251	.01527	.03267	.00035	.00046	5.1444	-.01350	.00205	5.5362	.00132	.00202	.05717
#2	-.00799	.00389	.00833	.00011	.00053	5.1396	-.01320	.00151	5.5337	.00151	.00191	.05572
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8064.9**	**106800.**	**6432.5**
Stddev	32.2	699.	60.2
%RSD	.39924	.65477	.93524
#1	8042.2	107300.	6475.1
#2	8087.7	106310.	6390.0

Sample Name: CCV-2372889 Acquired: 11/12/2013 6:52:53 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50311**	**.53549**	**.99803**	**.50266**	**.51264**	**.48528**	**-.00423**	**5.0138**	**.50381**	**.50771**	**.51046**	**.50533**	**2.3895**
Stddev	.00005	.00001	.00460	.00043	.00109	.00155	.00238	.0061	.00046	.00071	.00036	.00020	.0102
%RSD	.01071	.00273	.46106	.08612	.21165	.31977	56.167	.12163	.09138	.14079	.07056	.03954	.42737
#1	.50315	.53550	1.0013	.50236	.51341	.48638	-.00592	5.0095	.50414	.50821	.51071	.50547	2.3822
#2	.50307	.53548	.99477	.50297	.51188	.48418	-.00255	5.0181	.50349	.50720	.51020	.50519	2.3967
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**53.006**	**1.0250**	**20.177**	**.50037**	**.51429**	**5.4211**	**.51312**	**1.0066**	**1.0316**	**.04760**	**1.0082**	**.99823**	**4.8038**
Stddev	.192	.0005	.053	.00047	.00293	.0154	.00059	.0036	.0086	.00175	.0068	.00187	.0003
%RSD	.36201	.04630	.26281	.09342	.56924	.28346	.11420	.35821	.83734	3.6671	.67490	.18743	.00665
#1	53.142	1.0254	20.140	.50004	.51636	5.4320	.51354	1.0091	1.0377	.04883	1.0130	.99955	4.8036
#2	52.871	1.0247	20.215	.50070	.51222	5.4103	.51271	1.0041	1.0255	.04636	1.0033	.99691	4.8040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.280**	**1.0249**	**.50819**	**-.00529**	**.49486**	**1.0285**	**.00053**	**.50276**	**.51381**	**.49651**
Stddev	.001	.0074	.00155	.00223	.00013	.0054	.05348	.00267	.00099	.00226
%RSD	.00665	.71825	.30433	42.069	.02616	.52799	10095.	.53016	.19194	.45533
#1	10.280	1.0301	.50928	-.00372	.49496	1.0323	-.03729	.50088	.51312	.49811
#2	10.281	1.0197	.50710	-.00686	.49477	1.0246	.03835	.50465	.51451	.49491
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8235.5**	**110350.**	**6358.3**
Stddev	3.1	665.	38.2
%RSD	.03707	.60260	.60051
#1	8237.7	110820.	6385.3
#2	8233.4	109880.	6331.3

Sample Name: CCB Acquired: 11/12/2013 6:55:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00082**	**-.00472**	**.00182**	**.00027**	**-.00027**	**.00008**	**.00079**	**.00440**	**.00028**	**.00032**	**-.00011**	**-.00042**
Stddev	.00023	.00037	.00181	.00019	.00006	.00013	.00280	.00002	.00000	.00004	.00002	.00007
%RSD	27.940	7.7708	99.800	70.218	21.270	163.74	352.92	.36791	.20892	11.580	20.751	16.394
#1	.00098	-.00446	.00310	.00040	-.00023	.00017	-.00119	.00441	.00029	.00035	-.00010	-.00047
#2	.00066	-.00497	.00053	.00013	-.00031	-.00001	.00278	.00439	.00028	.00030	-.00013	-.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00140**	**.06858**	**-.00225**	**-.00044**	**.00007**	**.00033**	**.05906**	**.00023**	**-.00304**	**.00010**	**.05122**	W **.00438**
Stddev	.00255	.04547	.00074	.00174	.00007	.00003	.00753	.00002	.00182	.00007	.00165	.00066
%RSD	182.56	66.310	32.674	398.75	102.36	9.3415	12.752	8.5619	59.764	73.805	3.2173	15.092
#1	-.00320	.10073	-.00173	-.00166	.00012	.00036	.05373	.00022	-.00176	.00015	.05239	.00485
#2	.00041	.03642	-.00277	.00079	.00002	.00031	.06438	.00025	-.00433	.00005	.05006	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00194**	**.00502**	**.01075**	**.00037**	**.00005**	**-.00031**	**-.00018**	**.00055**	**.02020**	**.00007**	**.00260**	**.00229**
Stddev	.00172	.00242	.00519	.00005	.00003	.00004	.00021	.00052	.00667	.00043	.00016	.00029
%RSD	88.925	48.258	48.258	14.031	61.359	14.469	117.26	95.480	33.026	574.90	6.0829	12.535
#1	-.00316	.00674	.01442	.00040	.00008	-.00027	-.00033	.00092	.01549	-.00023	.00272	.00249
#2	-.00072	.00331	.00708	.00033	.00003	-.00034	-.00003	.00018	.02492	.00038	.00249	.00208
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8375.4**	**113910.**	**6417.2**
Stddev	38.2	829.	17.5
%RSD	.45652	.72787	.27317
#1	8348.3	113320.	6404.8
#2	8402.4	114500.	6429.6

Sample Name: CCVL2372865 Acquired: 11/12/2013 6:57:20 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01087**	**.10838**	**.01568**	**.10021**	**.01008**	**.00086**	**.12623**	**.20482**	**.00519**	**.01071**	**.01048**	**.01558**	**.09438**
Stddev	.00055	.00035	.00139	.00073	.00014	.00003	.00504	.00716	.00008	.00005	.00006	.00023	.00049
%RSD	5.0549	.32459	8.8537	.72538	1.3402	3.2621	3.9953	3.4970	1.6118	.48487	.53998	1.5078	.51434
#1	.01126	.10863	.01470	.10073	.01017	.00088	.12980	.19976	.00513	.01067	.01044	.01575	.09404
#2	.01048	.10813	.01666	.09970	.00998	.00084	.12267	.20989	.00525	.01075	.01052	.01542	.09473
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1909**	**.00975**	**.21028**	**.01027**	**.02008**	**1.1015**	**.04271**	**2.9890**	**.00946**	**.03366**	**.00920**	**.01361**	**.47841**
Stddev	.0248	.00222	.00012	.00016	.00012	.0130	.00011	.0207	.00040	.00302	.00035	.00002	.02190
%RSD	.77659	22.728	.05614	1.5604	.61235	1.1831	.26381	.69144	4.2404	8.9617	3.8419	.18260	4.5772
#1	3.1734	.00819	.21036	.01015	.02017	1.1107	.04263	3.0036	.00975	.03580	.00895	.01363	.46292
#2	3.2085	.01132	.21019	.01038	.01999	1.0923	.04279	2.9743	.00918	.03153	.00945	.01359	.49389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0238**	**.10508**	**.01022**	**.01387**	**.00918**	**.01733**	F **.08247**	**.01038**	**.02358**	**.01633**
Stddev	.0469	.00051	.00013	.00091	.00007	.00072	.03910	.00028	.00003	.00269
%RSD	4.5772	.48414	1.2390	6.5252	.74042	4.1399	47.411	2.7426	.14028	16.475
#1	.99065	.10544	.01013	.01323	.00914	.01784	.11012	.01058	.02361	.01443
#2	1.0569	.10472	.01031	.01451	.00923	.01683	.05482	.01018	.02356	.01823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8652.5**	**117870.**	**6639.9**
Stddev	1.9	747.	2.0
%RSD	.02242	.63377	.03078
#1	8653.8	118400.	6638.5
#2	8651.1	117350.	6641.4

Sample Name: 280-48905-d-4-c Acquired: 11/12/2013 6:59:39 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00071**	**.00344**	**.22248**	**.04176**	**-.00004**	**-.00004**	**74.708**	**.00041**	**.00046**
Stddev	.00005	.00023	.00109	.00012	.00026	.00003	.00243	.118	.00003	.00000
%RSD	17.626	31.807	31.601	.05222	.61518	63.235	6402.7	.15789	8.1118	.68387
#1	.00032	-.00087	.00268	.22257	.04157	-.00002	.00168	74.792	.00039	.00046
#2	.00025	-.00055	.00421	.22240	.04194	-.00006	-.00176	74.625	.00043	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00031**	**.00971**	**.03428**	**17.029**	**.03143**	**17.221**	**.01422**	**.00528**	**129.45**	**.00247**
Stddev	.00008	.00028	.00086	.094	.00066	.009	.00010	.00015	.33	.00022
%RSD	25.156	2.9005	2.5194	.54928	2.0938	.05300	.70295	2.7908	.25377	8.9961
#1	.00025	.00952	.03489	16.962	.03096	17.215	.01429	.00539	129.68	.00262
#2	.00036	.00991	.03367	17.095	.03189	17.227	.01415	.00518	129.21	.00231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15350**	**-.00051**	**51.650**	**-.00243**	**.00299**	**2.0516**	**4.3903**	**.00053**	**.74992**	**.00036**
Stddev	.00001	.00047	.089	.00234	.00028	.0251	.0536	.00001	.00071	.00090
%RSD	.00549	91.910	.17153	96.175	9.3474	1.2216	1.2216	1.4907	.09445	247.34
#1	.15350	-.00018	51.712	-.00409	.00279	2.0338	4.3524	.00053	.75042	-.00027
#2	.15351	-.00084	51.587	-.00078	.00319	2.0693	4.4282	.00054	.74942	.00100
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00091**	**.00869**	**.00067**	**.04923**	**.00387**
Stddev	.00062	.00065	.03864	.00030	.00018	.00028
%RSD	117.80	71.071	444.69	44.611	.37415	7.2570
#1	-.00009	.00137	.03601	.00088	.04936	.00367
#2	-.00096	.00045	-.01863	.00046	.04910	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8153.6**	**109610.**	**6618.9**
Stddev	12.2	283.	15.4
%RSD	.14988	.25791	.23262
#1	8162.2	109410.	6629.8
#2	8144.9	109810.	6608.0

Sample Name: 280-48963-a-1-b Acquired: 11/12/2013 7:01:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00046**	**.01970**	**.00139**	**.01142**	**.03762**	**-.00002**	**.00190**	**22.631**	**.00013**	**.00014**
Stddev	.00016	.00025	.00313	.00005	.00048	.00003	.00046	.079	.00005	.00000
%RSD	35.467	1.2446	225.52	.46735	1.2671	178.61	23.996	.34818	34.806	1.8839
#1	.00058	.01953	-.00083	.01139	.03795	-.00004	.00158	22.575	.00016	.00014
#2	.00035	.01988	.00360	.01146	.03728	.00000	.00223	22.687	.00010	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00067**	**.00848**	**2.5891**	**.00793**	**5.4885**	**.00097**	**.01218**	**18.407**	**.00069**
Stddev	.00003	.00014	.00165	.0158	.00075	.0163	.00003	.00001	.110	.00009
%RSD	34.768	21.371	19.451	.61020	9.4495	.29709	3.4772	.11416	.59896	13.602
#1	.00011	.00057	.00965	2.6003	.00740	5.5001	.00100	.01219	18.329	.00076
#2	.00006	.00077	.00731	2.5780	.00847	5.4770	.00095	.01217	18.485	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00370**	**.00029**	**17.438**	**-.00088**	**-.00098**	**1.9868**	**4.2518**	**-.00044**	**.20609**	**-.00089**
Stddev	.00008	.00113	.018	.00122	.00144	.0007	.0015	.00015	.00064	.00230
%RSD	2.0398	385.50	.10354	139.16	146.12	.03502	.03502	33.638	.31260	258.20
#1	-.00376	-.00051	17.425	-.00174	-.00200	1.9863	4.2507	-.00033	.20563	.00074
#2	-.00365	.00109	17.451	-.00001	.00003	1.9873	4.2528	-.00054	.20654	-.00252
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00035**	**.00021**	**.01709**	**.00005**	**.00325**	**.00268**
Stddev	.00009	.00104	.01212	.00031	.00034	.00000
%RSD	26.995	501.15	70.938	580.20	10.422	.03200
#1	-.00028	.00094	.02566	.00027	.00301	.00268
#2	-.00041	-.00053	.00852	-.00016	.00349	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8441.0**	**114590.**	**6676.7**
Stddev	20.1	366.	61.2
%RSD	.23789	.31919	.91592
#1	8426.8	114330.	6720.0
#2	8455.2	114850.	6633.5

Sample Name: 280-48963-d-2-b Acquired: 11/12/2013 7:04:18 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.03521**	**.00048**	**.01073**	**.02845**	**.00003**	**.00098**	**24.028**	**.00009**	**.00011**
Stddev	.00019	.00032	.00069	.00015	.00005	.00002	.00052	.076	.00004	.00009
%RSD	56.919	.91314	141.59	1.3804	.16501	69.442	52.976	.31475	41.548	79.056
#1	.00020	.03544	.00000	.01063	.02848	.00002	.00061	24.081	.00012	.00018
#2	.00047	.03498	.00097	.01084	.02841	.00005	.00134	23.974	.00006	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00208**	**.02981**	**1.7996**	**.00462**	**5.4551**	**.00060**	**.00638**	**18.336**	**.00063**
Stddev	.00007	.00006	.00012	.0117	.00216	.0118	.00002	.00017	.502	.00004
%RSD	1077.7	3.0225	.39836	.65044	46.826	.21699	3.4430	2.6205	2.7377	5.5370
#1	-.00006	.00204	.02973	1.8079	.00309	5.4467	.00059	.00650	17.981	.00061
#2	.00005	.00213	.02990	1.7913	.00615	5.4635	.00062	.00626	18.690	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00220**	**-.00080**	**14.746**	**-.00177**	**.00126**	**2.7697**	**5.9273**	**.00044**	**.17731**	**-.00003**
Stddev	.00018	.00050	.013	.00020	.00198	.0054	.0115	.00016	.00050	.00199
%RSD	8.3693	62.761	.09126	11.315	156.38	.19360	.19360	35.909	.27985	7370.5
#1	-.00207	-.00045	14.737	-.00191	-.00013	2.7660	5.9191	.00033	.17766	-.00144
#2	-.00232	-.00116	14.756	-.00163	.00266	2.7735	5.9354	.00055	.17696	.00138
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00056**	**-.00046**	**-.00218**	**.00099**	**.00371**	**.00070**
Stddev	.00048	.00014	.00145	.00028	.00015	.00030
%RSD	86.176	30.566	66.733	28.623	3.9132	43.416
#1	.00022	-.00056	-.00321	.00119	.00381	.00049
#2	.00090	-.00036	-.00115	.00079	.00361	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8535.7**	**114530.**	**6635.2**
Stddev	55.4	276.	37.9
%RSD	.64879	.24108	.57115
#1	8496.5	114330.	6608.4
#2	8574.8	114720.	6662.0

Sample Name: 280-48963-a-3-b Acquired: 11/12/2013 7:06:40 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.01533**	**.00081**	**.01131**	**.03220**	**-.00004**	**-.00077**	**26.930**	**.00007**	**.00021**
Stddev	.00020	.00033	.00131	.00075	.00037	.00006	.00140	.031	.00014	.00010
%RSD	35.266	2.1232	161.80	6.6353	1.1379	172.38	181.16	.11551	196.24	45.103
#1	.00069	.01510	-.00012	.01184	.03194	-.00008	.00022	26.952	-.00003	.00015
#2	.00042	.01556	.00173	.01078	.03245	.00001	-.00176	26.908	.00017	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00573**	**.01393**	**1.9064**	**.00559**	**5.6901**	**.00030**	**.00813**	**19.742**	**.00051**
Stddev	.00002	.00024	.00139	.0006	.00102	.0165	.00002	.00009	.103	.00033
%RSD	98.952	4.2376	9.9655	.03384	18.233	.28921	6.9356	1.1187	.52041	63.563
#1	.00003	.00590	.01491	1.9068	.00487	5.7018	.00028	.00807	19.815	.00075
#2	.00001	.00556	.01295	1.9059	.00631	5.6785	.00031	.00820	19.669	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00269**	**-.00024**	**15.876**	**-.00184**	**.00125**	**2.5690**	**5.4977**	**.00001**	**.20135**	**.00046**
Stddev	.00072	.00062	.019	.00072	.00193	.0148	.0318	.00015	.00056	.00126
%RSD	26.850	254.02	.12215	39.375	154.88	.57764	.57764	2253.3	.27784	270.33
#1	-.00218	-.00068	15.862	-.00235	.00261	2.5795	5.5202	.00012	.20174	.00135
#2	-.00320	.00019	15.889	-.00133	-.00012	2.5585	5.4753	-.00010	.20095	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00010**	**.00177**	**.00057**	**.00774**	**.00221**
Stddev	.00018	.00056	.00766	.00023	.00029	.00009
%RSD	523.86	566.39	431.67	40.387	3.7156	3.8698
#1	.00009	-.00030	.00719	.00040	.00754	.00215
#2	-.00016	.00049	-.00364	.00073	.00795	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8556.4**	**116950.**	**6901.0**
Stddev	35.1	410.	65.3
%RSD	.41011	.35067	.94696
#1	8581.2	117240.	6854.8
#2	8531.6	116660.	6947.3

Sample Name: 280-48963-a-3-bSD@5 Acquired: 11/12/2013 7:09:02 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00060**	**.01590**	**.00192**	**.00180**	**.00665**	**-.00004**	**.00024**	**5.7304**	**-.00003**	**.00004**
Stddev	.00020	.00013	.00044	.00023	.00008	.00005	.00103	.0066	.00014	.00010
%RSD	33.789	.79469	22.712	12.569	1.1840	115.73	430.09	.11427	416.00	253.97
#1	.00075	.01581	.00161	.00164	.00671	-.00007	.00097	5.7258	-.00013	.00011
#2	.00046	.01599	.00223	.00196	.00660	-.00001	-.00049	5.7350	.00007	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00119**	**.01706**	**.41170**	**-.00009**	**1.2095**	**.00035**	**.00175**	**3.8739**	**.00064**
Stddev	.0000	.00013	.00011	.05228	.00439	.0018	.00000	.00025	.0366	.00044
%RSD	794.14	11.017	.62192	12.699	4950.4	.14924	.55274	14.331	.94525	68.097
#1	.00002	.00109	.01713	.44867	.00302	1.2108	.00035	.00193	3.8480	.00033
#2	-.00003	.00128	.01698	.37473	-.00319	1.2082	.00035	.00158	3.8998	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00361**	**-.00072**	**3.2698**	**-.00267**	**.00026**	**.53346**	**1.1416**	**.00349**	**.04264**	**-.00025**
Stddev	.00023	.00006	.0171	.00083	.00084	.01094	.0234	.00058	.00004	.00015
%RSD	6.2443	8.6095	.52350	31.232	329.84	2.0503	2.0503	16.708	.09129	60.723
#1	-.00345	-.00076	3.2819	-.00326	.00085	.54119	1.1582	.00308	.04267	-.00014
#2	-.00377	-.00067	3.2577	-.00208	-.00034	.52572	1.1251	.00390	.04262	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00092**	**.01076**	**-.00005**	**.00787**	**.00142**
Stddev	.00009	.00032	.01004	.00024	.00030	.00025
%RSD	30.857	34.878	93.352	488.25	3.7716	17.768
#1	-.00035	.00069	.00366	-.00022	.00808	.00160
#2	-.00023	.00115	.01785	.00012	.00766	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8691.5**	**117930.**	**6858.1**
Stddev	8.2	777.	29.8
%RSD	.09456	.65905	.43513
#1	8697.3	117380.	6879.2
#2	8685.7	118480.	6837.0

Sample Name: 280-48963-a-3-c ms Acquired: 11/12/2013 7:11:24 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05099**	**1.9586**	**.99839**	**1.0197**	**2.0516**	**.04774**	F **2.2661**	**72.994**	**.10532**	**.48091**
Stddev	.00017	.0008	.00441	.0006	.0035	.00006	.0043	.033	.00023	.00100
%RSD	.33372	.04160	.44218	.05445	.16867	.12144	.19079	.04495	.22138	.20819
#1	.05111	1.9591	1.0015	1.0201	2.0492	.04770	2.2691	73.017	.10548	.48162
#2	.05087	1.9580	.99527	1.0193	2.0541	.04778	2.2630	72.971	.10515	.48020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19998**	**.25987**	**.93396**	**53.861**	**1.0170**	**53.576**	**.47897**	**1.0170**	**73.569**	**.48724**
Stddev	.00052	.00088	.00394	.148	.0023	.100	.00003	.0006	.275	.00171
%RSD	.25869	.33721	.42197	.27456	.22898	.18749	.00688	.05403	.37356	.35088
#1	.20035	.25925	.93118	53.966	1.0187	53.647	.47899	1.0174	73.375	.48845
#2	.19962	.26049	.93675	53.757	1.0154	53.505	.47894	1.0166	73.763	.48603
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.246**	**.48148**	**15.862**	**.48663**	**1.9808**	**11.973**	**25.622**	**1.9731**	**1.1962**	**.98309**
Stddev	.011	.00078	.049	.00016	.0031	.040	.086	.0070	.0006	.00110
%RSD	.10531	.16233	.31132	.03258	.15417	.33454	.33454	.35506	.04653	.11230
#1	10.254	.48092	15.897	.48652	1.9829	11.945	25.562	1.9780	1.1958	.98231
#2	10.239	.48203	15.827	.48674	1.9786	12.001	25.683	1.9681	1.1966	.98387
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97243**	**1.8924**	**2.1190**	**.49406**	**.48244**	**.50053**
Stddev	.00086	.0060	.0017	.00169	.00085	.00002
%RSD	.08832	.31476	.08232	.34250	.17683	.00493
#1	.97183	1.8966	2.1203	.49286	.48183	.50055
#2	.97304	1.8882	2.1178	.49525	.48304	.50051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8345.0**	**112570.**	**6924.9**
Stddev	7.9	290.	13.0
%RSD	.09441	.25739	.18805
#1	8339.4	112360.	6915.7
#2	8350.6	112770.	6934.1

Sample Name: 280-48963-a-3-d msd Acquired: 11/12/2013 7:13:31 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05026**	**1.9377**	**.98291**	**1.0033**	**2.0208**	**.04653**	F **2.2344**	**72.291**	**.10388**	**.47379**
Stddev	.00008	.0027	.00179	.0013	.0057	.00041	.0001	.100	.00006	.00175
%RSD	.16009	.13725	.18161	.13234	.28226	.87685	.00579	.13816	.05658	.36891
#1	.05020	1.9396	.98417	1.0024	2.0249	.04624	2.2345	72.361	.10392	.47502
#2	.05032	1.9358	.98165	1.0043	2.0168	.04682	2.2343	72.220	.10383	.47255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19731**	**.25722**	**.91512**	**53.080**	**.99710**	**53.332**	**.47417**	**1.0024**	**72.038**	**.48053**
Stddev	.00001	.00170	.00976	.091	.00249	.010	.00004	.0013	.121	.00118
%RSD	.00588	.66060	1.0670	.17085	.25022	.01917	.00739	.13027	.16813	.24491
#1	.19730	.25602	.90822	53.144	.99886	53.339	.47415	1.0033	71.952	.48136
#2	.19732	.25842	.92203	53.015	.99533	53.325	.47420	1.0015	72.123	.47970
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.098**	**.47381**	**15.933**	**.48240**	**1.9522**	**11.729**	**25.101**	**1.9455**	**1.1793**	**.97284**
Stddev	.017	.00005	.004	.00159	.0131	.044	.094	.0025	.0032	.00270
%RSD	.16527	.01005	.02304	.32928	.67155	.37372	.37372	.12974	.27457	.27748
#1	10.109	.47377	15.936	.48352	1.9615	11.698	25.035	1.9473	1.1815	.97475
#2	10.086	.47384	15.930	.48127	1.9429	11.760	25.167	1.9437	1.1770	.97094
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.96141**	**1.8706**	**2.1125**	**.48858**	**.47920**	**.48521**
Stddev	.00118	.0052	.0261	.00091	.00040	.00160
%RSD	.12288	.28015	1.2364	.18664	.08366	.33011
#1	.96225	1.8743	2.1310	.48922	.47892	.48408
#2	.96058	1.8669	2.0941	.48793	.47949	.48634
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8327.9**	**112020.**	**6875.1**
Stddev	25.9	96.	43.3
%RSD	.31089	.08546	.63047
#1	8309.6	111950.	6844.5
#2	8346.2	112080.	6905.8

Sample Name: CCVH-2372891 Acquired: 11/12/2013 7:15:38 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00761**	**50.206**	**.00202**	**.00184**	**.00010**	**-.00008**	W **1.0967**	**.02565**	**.00001**	**-.00029**	**.00001**	**.01133**
Stddev	.00027	.117	.00070	.00052	.00009	.00001	.0007	.00138	.00021	.00002	.00000	.00028
%RSD	3.5574	.23352	34.469	28.239	93.162	8.4508	.06471	5.3856	2281.7	6.0968	59.439	2.5026
#1	.00742	50.289	.00152	.00221	.00003	-.00009	1.0962	.02663	.00016	-.00030	.00000	.01113
#2	.00781	50.123	.00251	.00147	.00016	-.00008	1.0972	.02468	-.00014	-.00028	.00001	.01153
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.816**	**.11642**	**-.00041**	**.08619**	**.00078**	**.00049**	**272.34**	**-.00001**	**-.00204**	**-.00011**	**5.2238**	**-.00071**
Stddev	.495	.04260	.00119	.00002	.00004	.00004	.09	.00017	.00107	.00071	.0157	.00126
%RSD	1.0140	36.589	291.18	.02025	4.5461	7.2061	.03123	1701.0	52.607	676.18	.29993	176.44
#1	48.466	.14654	.00043	.08618	.00081	.00046	272.40	.00011	-.00280	-.00061	5.2348	.00018
#2	49.166	.08630	-.00125	.08621	.00076	.00051	272.28	-.00013	-.00128	.00040	5.2127	-.00160
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00484**	**.01922**	**.04113**	**-.00007**	**.00038**	**5.0419**	**-.01302**	**.00199**	F **5.4472**	**.00107**	**.00249**	**.05899**
Stddev	.00087	.02780	.05949	.00072	.00002	.0291	.00008	.00164	.0171	.00054	.00036	.00361
%RSD	17.959	144.62	144.62	1081.9	6.1831	.57754	.65267	82.307	.31358	50.512	14.505	6.1166
#1	-.00422	-.00043	-.00093	.00044	.00037	5.0213	-.01296	.00083	5.4351	.00069	.00224	.05644
#2	-.00545	.03888	.08320	-.00058	.00040	5.0625	-.01308	.00315	5.4593	.00145	.00275	.06154
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8228.3**	**110620.**	**6695.2**
Stddev	37.8	325.	7.1
%RSD	.45902	.29387	.10562
#1	8255.0	110850.	6700.2
#2	8201.6	110390.	6690.2

Sample Name: CCV-2372889 Acquired: 11/12/2013 7:18:01 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50582**	**.53502**	**1.0040**	**.50973**	**.51231**	**.48495**	**-.00500**	**4.9911**	**.50875**	**.50897**	**.51230**	**.51131**	**2.3801**
Stddev	.00180	.00002	.0040	.00064	.00200	.00096	.00325	.0148	.00021	.00019	.00011	.00086	.0314
%RSD	.35553	.00341	.39323	.12496	.39111	.19773	64.957	.29597	.04147	.03774	.02104	.16845	1.3206
#1	.50454	.53504	1.0068	.50928	.51372	.48563	-.00270	5.0016	.50890	.50910	.51222	.51070	2.4024
#2	.50709	.53501	1.0012	.51018	.51089	.48427	-.00729	4.9807	.50860	.50883	.51237	.51192	2.3579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.755**	**1.0215**	**20.041**	**.50008**	**.51668**	**5.3185**	**.51564**	**1.0143**	**1.0369**	**.02454**	**1.0241**	**1.0139**	**4.7896**
Stddev	.075	.0019	.029	.00077	.00312	.0138	.00029	.0045	.0051	.00036	.0105	.0089	.0352
%RSD	.14231	.19087	.14571	.15376	.60394	.25982	.05673	.44473	.49048	1.4819	1.0260	.87784	.73582
#1	52.809	1.0229	20.061	.50062	.51888	5.3283	.51543	1.0175	1.0405	.02428	1.0315	1.0202	4.8145
#2	52.702	1.0201	20.020	.49953	.51447	5.3087	.51584	1.0111	1.0333	.02480	1.0167	1.0076	4.7647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.250**	**1.0275**	**.50679**	**-.00427**	**.49670**	**1.0350**	**-.00695**	**.50347**	**.50867**	**.49589**
Stddev	.075	.0069	.00142	.00052	.00022	.0068	.00250	.00157	.00189	.00565
%RSD	.73582	.67071	.28079	12.281	.04485	.65358	36.030	.31210	.37150	1.1393
#1	10.303	1.0324	.50780	-.00464	.49654	1.0397	-.00872	.50458	.51001	.49988
#2	10.196	1.0226	.50578	-.00390	.49686	1.0302	-.00518	.50236	.50734	.49189
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8335.7**	**111920.**	**6460.8**
Stddev	5.1	92.	19.7
%RSD	.06137	.08194	.30431
#1	8332.1	111980.	6474.7
#2	8339.3	111850.	6446.9

Sample Name: CCB Acquired: 11/12/2013 7:20:09 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00468**	**.00026**	**.00092**	**.00009**	**.00002**	**.00073**	**-.00066**	**.00000**	**.00022**	**-.00001**	**-.00029**
Stddev	.00023	.00004	.00046	.00043	.00002	.00006	.00217	.00143	.00006	.00006	.00020	.00005
%RSD	78.753	.94361	175.07	47.344	26.245	258.11	296.93	216.33	1907.7	28.364	2855.1	15.866
#1	.00045	-.00465	-.00006	.00123	.00011	.00007	-.00080	.00035	.00005	.00026	-.00015	-.00032
#2	.00013	-.00472	.00059	.00061	.00008	-.00002	.00227	-.00168	-.00004	.00017	.00014	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00298**	**.05252**	**-.00083**	**.00177**	**.00001**	**.00022**	**.01060**	**.00028**	**-.00468**	**-.00098**	**.02858**	**.00313**
Stddev	.00148	.02900	.00179	.00175	.00002	.00001	.00175	.00009	.00185	.00010	.00139	.00148
%RSD	49.556	55.219	214.66	98.693	427.66	5.6048	16.486	30.690	39.530	9.7801	4.8764	47.196
#1	-.00194	.07303	-.00210	.00301	-.00001	.00021	.00936	.00034	-.00599	-.00104	.02759	.00208
#2	-.00403	.03202	.00043	.00054	.00002	.00023	.01183	.00022	-.00337	-.00091	.02956	.00417
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00072**	**.01336**	**.02859**	**.00024**	**.00000**	**-.00005**	**-.00017**	**-.00005**	**.00671**	**.00038**	**.00268**	W **.00378**
Stddev	.00248	.00291	.00622	.00023	.00003	.00034	.00019	.00061	.02852	.00056	.00004	.00130
%RSD	346.19	21.750	21.750	92.838	712.11	652.73	115.00	1283.9	424.94	147.72	1.4998	34.498
#1	.00247	.01131	.02419	.00040	-.00002	-.00029	-.00030	-.00048	.02688	.00077	.00271	.00470
#2	-.00104	.01542	.03299	.00008	.00002	.00019	-.00003	.00038	-.01346	-.00002	.00265	.00286
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8351.5**	**112750.**	**6376.2**
Stddev	8.6	882.	34.4
%RSD	.10313	.78183	.53979
#1	8345.4	112130.	6400.5
#2	8357.6	113380.	6351.8

Sample Name: CCVL2372865 Acquired: 11/12/2013 7:22:28 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01098**	**.10831**	**.01515**	**.10010**	**.01051**	**.00098**	**.12799**	**.21204**	**.00514**	**.01067**	**.01041**	**.01616**	**.09737**	**3.2232**
Stddev	.00005	.00032	.00286	.00010	.00025	.00010	.00158	.00041	.00005	.00010	.00008	.00024	.00357	.0140
%RSD	.47437	.29577	18.870	.10053	2.3490	10.448	1.2317	.19218	.94895	.91793	.74097	1.5105	3.6632	.43287
#1	.01095	.10853	.01313	.10003	.01068	.00106	.12688	.21233	.00511	.01074	.01036	.01599	.09989	3.2330
#2	.01102	.10808	.01718	.10017	.01033	.00091	.12911	.21176	.00518	.01060	.01047	.01633	.09484	3.2133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01027**	**.21314**	**.01031**	**.02024**	**1.0800**	**.04282**	**2.9938**	**.00931**	**.02233**	**.00901**	**.01441**	**.46668**	**.99870**	**.10473**
Stddev	.00062	.00284	.00006	.00006	.0022	.00062	.0094	.00015	.00481	.00105	.00098	.01420	.03039	.00056
%RSD	6.0238	1.3321	.54816	.28656	.20327	1.4463	.31383	1.6195	21.552	11.686	6.8111	3.0425	3.0425	.53173
#1	.01071	.21515	.01027	.02020	1.0815	.04238	2.9871	.00942	.02573	.00976	.01510	.47672	1.0202	.10434
#2	.00983	.21113	.01035	.02028	1.0784	.04326	3.0004	.00921	.01892	.00827	.01371	.45664	.97721	.10513
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01027**	**.01396**	**.00937**	**.01674**	**.07083**	**.00996**	**.02452**	**.01844**
Stddev	.00003	.00078	.00046	.00023	.03360	.00044	.00011	.00049
%RSD	.33954	5.5948	4.9312	1.3917	47.444	4.3933	.46293	2.6602
#1	.01029	.01341	.00970	.01657	.09459	.00965	.02444	.01809
#2	.01025	.01451	.00905	.01690	.04707	.01027	.02460	.01878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8611.9**	**117140.**	**6577.7**
Stddev	24.2	113.	52.9
%RSD	.28076	.09619	.80352
#1	8594.8	117060.	6615.1
#2	8629.0	117220.	6540.3

Sample Name: lb 280-200079/1-b Acquired: 11/12/2013 7:24:46 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00047**	**-.00061**	**.00172**	**.00959**	**.00403**	**-.00004**	**-.00136**	W **.19175**	**.00003**	**.00011**
Stddev	.00004	.00008	.00173	.00023	.00007	.00001	.00137	.00074	.00017	.00034
%RSD	7.5055	12.516	100.42	2.3797	1.6712	30.393	101.22	.38416	647.55	311.07
#1	.00049	-.00066	.00294	.00976	.00408	-.00003	-.00233	.19228	.00015	.00035
#2	.00045	-.00056	.00050	.00943	.00398	-.00005	-.00039	.19123	-.00009	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								.10000		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00314**	**.00220**	**.13274**	**-.00036**	**.01667**	**.00029**	**-.00006**	**336.80**	**.00064**
Stddev	.00009	.00001	.00167	.01671	.00062	.00115	.00010	.00001	.34	.00003
%RSD	99.306	.31193	75.934	12.592	173.87	6.9114	33.319	12.805	.09982	5.1471
#1	.00003	.00315	.00338	.12092	.00008	.01748	.00035	-.00005	336.56	.00066
#2	.00015	.00314	.00102	.14456	-.00079	.01585	.00022	-.00006	337.04	.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**-.00004**	**.03408**	**-.00186**	**.00001**	**.02711**	**.05803**	**.00027**	**.00056**	**-.00208**
Stddev	.00175	.00029	.00132	.00022	.00133	.00424	.00907	.00021	.00001	.00029
%RSD	127.63	720.34	3.8857	11.924	9938.7	15.633	15.633	77.519	1.1513	13.761
#1	-.00013	.00017	.03502	-.00202	-.00093	.02412	.05161	.00012	.00055	-.00188
#2	-.00261	-.00025	.03315	-.00170	.00095	.03011	.06444	.00042	.00056	-.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00022**	**.02576**	**.00036**	**.00606**	**.00264**
Stddev	.00006	.00118	.01459	.00029	.00007	.00145
%RSD	278.76	535.08	56.649	82.699	1.1005	54.851
#1	-.00002	.00062	.01544	.00015	.00611	.00162
#2	.00007	-.00106	.03608	.00057	.00602	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8015.9**	**106050.**	**6554.0**
Stddev	61.1	7.	32.6
%RSD	.76241	.00705	.49677
#1	7972.7	106040.	6577.0
#2	8059.1	106060.	6530.9

Sample Name: lcs 280-200079/2-b Acquired: 11/12/2013 7:27:15 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.22953	F .43425	.87596	F .22106	2.6218	.01013	.47644	10.404	.24167	.10573
Stddev	.00015	.00011	.00469	.00047	.0050	.00010	.00133	.003	.00030	.00054
%RSD	.06599	.02637	.53556	.21312	.19196	1.0344	.28007	.03260	.12353	.50746
#1	.22942	.43417	.87928	.22139	2.6253	.01005	.47549	10.407	.24146	.10611
#2	.22964	.43434	.87264	.22073	2.6182	.01020	.47738	10.402	.24188	.10535
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit		.43200		.22000						
Low Limit		.34400		.17800						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1233	.48825	F .23607	F 11.683	.21797	10.159	.10533	F .22250	F 345.26	.10764
Stddev	.0001	.00058	.00104	.020	.00132	.029	.00026	.00020	.12	.00043
%RSD	.00962	.11849	.43966	.17229	.60419	.28522	.25157	.09143	.03393	.39967
#1	1.1233	.48784	.23534	11.669	.21890	10.179	.10514	.22235	345.34	.10794
#2	1.1234	.48866	.23681	11.697	.21704	10.138	.10552	.22264	345.17	.10734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass
High Limit			.22800	11.000				.22000	11.200	
Low Limit			.17600	8.9000				.18000	9.1000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F 2.2448	F 1.1552	.03361	.10586	.65660	2.0637	F 4.4163	.42944	.21431	.21024
Stddev	.0008	.0019	.00217	.00185	.00170	.0229	.0491	.00028	.00115	.00148
%RSD	.03698	.16685	6.4505	1.7455	.25904	1.1112	1.1112	.06407	.53660	.70196
#1	2.2443	1.1565	.03208	.10716	.65540	2.0475	4.3816	.42924	.21513	.20919
#2	2.2454	1.1538	.03514	.10455	.65781	2.0799	4.4510	.42963	.21350	.21128
Check ?	Chk Fail	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	2.2200	1.1550					4.9220			
Low Limit	1.8200	.99000					4.0200			

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21210	.39672	F .48717	.10875	.55612	.10971
Stddev	.00004	.00241	.03378	.00006	.00201	.00005
%RSD	.02056	.60631	6.9330	.05521	.36166	.04556
#1	.21207	.39842	.46329	.10879	.55469	.10974
#2	.21214	.39502	.51105	.10871	.55754	.10967
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.46400			
Low Limit			.34000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8000.9	105320.	6532.2
Stddev	10.1	200.	9.6
%RSD	.12668	.18981	.14706
#1	7993.7	105180.	6539.0
#2	8008.0	105460.	6525.4

Sample Name: 280-48890-a-1-c Acquired: 11/12/2013 7:29:33 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.04798**	**.00030**	**.02059**	**.16767**	**.00002**	**.00196**	**82.487**	**.00512**	**.01082**
Stddev	.00035	.00002	.00020	.00006	.00096	.00001	.00123	.442	.00018	.00012
%RSD	757.38	.03867	68.531	.28118	.57284	60.251	62.626	.53549	3.4379	1.1073
#1	.00029	.04796	.00044	.02055	.16699	.00003	.00283	82.175	.00500	.01090
#2	-.00020	.04799	.00015	.02063	.16835	.00001	.00109	82.799	.00525	.01073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01990**	**.16390**	**1.4235**	**.00882**	**2.7010**	**.46386**	**.00016**	**296.56**	**.01034**
Stddev	.00018	.00052	.00317	.0662	.00080	.0021	.00109	.00018	2.13	.00011
%RSD	37.354	2.6338	1.9317	4.6499	9.0395	.07812	.23403	109.82	.71754	1.0219
#1	.00061	.02027	.16166	1.3767	.00826	2.6995	.46309	.00029	295.06	.01042
#2	.00035	.01953	.16614	1.4703	.00939	2.7025	.46462	.00004	298.07	.01027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01941**	**-.00028**	**2.0808**	**-.00035**	**.00004**	**.92902**	**1.9881**	**.00048**	**.24644**	**-.00044**
Stddev	.00027	.00068	.0040	.00102	.00286	.00329	.0070	.00002	.00093	.00016
%RSD	1.3800	245.76	.19258	291.02	7944.0	.35438	.35438	4.6498	.37714	37.162
#1	.01960	-.00076	2.0836	.00037	-.00199	.92670	1.9831	.00047	.24578	-.00032
#2	.01922	.00020	2.0779	-.00107	.00206	.93135	1.9931	.00050	.24709	-.00055
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.00038**	**-.01587**	**.00052**	**.33147**	**.00193**
Stddev	.00008	.00125	.02908	.00036	.00012	.00060
%RSD	20.721	328.61	183.17	68.914	.03561	31.141
#1	-.00034	.00126	.00469	.00077	.33139	.00236
#2	-.00045	-.00050	-.03644	.00027	.33155	.00151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8121.4**	**107560.**	**6689.8**
Stddev	11.0	455.	27.9
%RSD	.13511	.42266	.41660
#1	8129.2	107880.	6670.1
#2	8113.6	107240.	6709.5

Sample Name: 280-48927-a-1-b Acquired: 11/12/2013 7:31:58 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.50254**	**.00203**	**.00596**	**.07143**	**.00002**	**-.00145**	**3.7937**	**.00005**	**.00036**
Stddev	.00003	.00054	.00044	.00035	.00021	.00003	.00147	.0086	.00016	.00011
%RSD	23.405	.10747	21.651	5.7939	.28788	154.17	101.21	.22590	291.19	30.425
#1	.00011	.50293	.00235	.00572	.07128	.00005	-.00041	3.7876	.00017	.00028
#2	.00015	.50216	.00172	.00621	.07157	.00000	-.00249	3.7997	-.00006	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00041**	**.00405**	**.26084**	**.92766**	**.00435**	**1.1532**	**.00372**	**-.00013**	**324.80**	**.00099**
Stddev	.00011	.00008	.00059	.07615	.00010	.0053	.00001	.00002	1.50	.00004
%RSD	26.584	2.0087	.22549	8.2091	2.3865	.45663	.28024	16.745	.46138	3.5990
#1	.00048	.00411	.26042	.87381	.00442	1.1570	.00373	-.00012	323.74	.00097
#2	.00033	.00400	.26125	.98151	.00428	1.1495	.00371	-.00015	325.86	.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14390**	**-.00062**	**.05710**	**-.00010**	**.00205**	**1.4882**	**3.1847**	**.00032**	**.02313**	**-.00090**
Stddev	.00068	.00031	.00183	.00152	.00083	.0086	.0183	.00052	.00009	.00232
%RSD	.47454	49.614	3.2103	1600.1	40.677	.57550	.57550	160.64	.40678	258.52
#1	.14438	-.00083	.05839	-.00117	.00263	1.4942	3.1976	.00069	.02306	.00074
#2	.14342	-.00040	.05580	.00098	.00146	1.4821	3.1717	-.00004	.02320	-.00253
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01251**	**-.00072**	**.02478**	**.00099**	**.01408**	**.00299**
Stddev	.00023	.00118	.00507	.00015	.00044	.00130
%RSD	1.8686	163.27	20.443	15.133	3.1267	43.325
#1	.01234	.00011	.02836	.00110	.01377	.00391
#2	.01267	-.00156	.02120	.00089	.01439	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8199.4**	**109380.**	**6812.9**
Stddev	2.2	133.	105.1
%RSD	.02718	.12137	1.5428
#1	8201.0	109470.	6887.3
#2	8197.9	109280.	6738.6

Sample Name: 280-48927-a-2-b Acquired: 11/12/2013 7:34:25 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**1.5842**	**.00243**	**.01033**	**.10090**	**.00002**	**.00051**	**5.4656**	**.00016**	**.00021**
Stddev	.00021	.0018	.00090	.00007	.00010	.00003	.00167	.0362	.00017	.00011
%RSD	60.386	.11545	36.868	.65009	.10112	179.21	324.06	.66246	107.75	52.300
#1	.00020	1.5855	.00180	.01028	.10097	.00004	-.00066	5.4400	.00027	.00029
#2	.00049	1.5829	.00306	.01037	.10082	.00000	.00169	5.4912	.00004	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00122**	**.00592**	**.92848**	**1.3544**	**.00162**	**.54754**	**.01603**	**.00002**	**296.21**	**.00164**
Stddev	.00004	.00016	.01256	.0556	.00279	.00166	.00010	.00013	1.30	.00046
%RSD	3.6453	2.6358	1.3528	4.1078	172.59	.30310	.62697	711.23	.44007	28.331
#1	.00125	.00581	.91959	1.3150	.00359	.54637	.01596	.00011	295.29	.00131
#2	.00118	.00603	.93736	1.3937	-.00036	.54871	.01610	-.00008	297.13	.00197
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08966**	**.00095**	**.13361**	**-.00119**	**-.00064**	**3.6125**	**7.7307**	**.00107**	**.04745**	**-.00122**
Stddev	.00041	.00063	.00130	.00092	.00144	.0333	.0713	.00126	.00007	.00345
%RSD	.46100	66.036	.97340	76.692	225.99	.92201	.92201	118.02	.14634	283.88
#1	.08995	.00051	.13453	-.00055	.00038	3.5889	7.6803	.00196	.04740	-.00366
#2	.08936	.00139	.13269	-.00184	-.00166	3.6360	7.7811	.00018	.04750	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04547**	**-.00030**	**.00874**	**.00296**	**.01211**	**.00541**
Stddev	.00067	.00135	.00740	.00016	.00036	.00088
%RSD	1.4656	442.80	84.643	5.4659	2.9841	16.360
#1	.04500	.00065	.00351	.00284	.01185	.00603
#2	.04594	-.00126	.01398	.00307	.01237	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8355.2**	**109890.**	**6778.5**
Stddev	36.3	243.	3.9
%RSD	.43451	.22108	.05796
#1	8329.5	110070.	6781.3
#2	8380.8	109720.	6775.8

Sample Name: 280-48820-b-1-c Acquired: 11/12/2013 7:36:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**.01157**	**.00320**	**.09958**	**.46729**	**.00002**	**-.00152**	**10.416**	**.00373**	**.00154**
Stddev	.00001	.00015	.00029	.00056	.00131	.00007	.00031	.012	.00023	.00023
%RSD	4.8492	1.3322	8.9801	.56176	.27942	413.65	20.530	.11488	6.1257	15.104
#1	.00029	.01146	.00341	.09918	.46822	.00007	-.00130	10.424	.00389	.00137
#2	.00031	.01168	.00300	.09997	.46637	-.00003	-.00174	10.407	.00357	.00170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00091**	**.00239**	**3.7177**	**2.8674**	**.10440**	**1.2749**	**.06307**	**.00358**	**148.32**	**.00839**
Stddev	.00002	.00001	.0039	.0611	.00180	.0012	.00006	.00004	.67	.00000
%RSD	1.8702	.43942	.10519	2.1298	1.7198	.09430	.09652	1.1941	.45215	.04339
#1	.00090	.00238	3.7205	2.9106	.10313	1.2740	.06311	.00355	148.79	.00840
#2	.00092	.00240	3.7150	2.8242	.10567	1.2757	.06302	.00361	147.84	.00839
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03240**	**.00131**	**.78815**	**.00260**	**.00087**	**1.5747**	**3.3698**	**.00213**	**.10176**	**-.00218**
Stddev	.00002	.00000	.00366	.00072	.00263	.0039	.0084	.00062	.00051	.00003
%RSD	.05954	.26501	.46383	27.538	303.48	.25026	.25026	29.000	.49827	1.4340
#1	.03241	.00131	.78556	.00209	-.00099	1.5774	3.3757	.00170	.10212	-.00216
#2	.03239	.00131	.79073	.00311	.00273	1.5719	3.3638	.00257	.10140	-.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00018**	**.00133**	**.00988**	**.00087**	**.21575**	**.00354**
Stddev	.00003	.00075	.01916	.00023	.00131	.00114
%RSD	16.023	56.495	193.92	26.498	.60818	32.312
#1	-.00020	.00186	-.00367	.00103	.21482	.00273
#2	-.00016	.00080	.02343	.00071	.21668	.00435
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8385.4**	**113780.**	**6876.1**
Stddev	4.8	326.	12.9
%RSD	.05753	.28629	.18784
#1	8388.8	114010.	6867.0
#2	8381.9	113550.	6885.3

Sample Name: CCVH-2372891 Acquired: 11/12/2013 7:39:10 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00797**	**50.628**	**.00153**	**.00035**	**-.00008**	**-.00011**	W **1.1029**	**.01886**	**-.00008**	**-.00034**	**-.00004**	**.01154**
Stddev	.00003	.149	.00049	.00006	.00057	.00003	.0068	.00243	.00000	.00010	.00004	.00054
%RSD	.43711	.29447	32.057	16.117	700.73	24.433	.61760	12.893	4.8962	29.653	117.31	4.7194
#1	.00795	50.733	.00118	.00031	.00032	-.00013	1.0981	.02058	-.00008	-.00041	-.00001	.01115
#2	.00800	50.522	.00188	.00039	-.00048	-.00009	1.1077	.01714	-.00009	-.00027	-.00007	.01192
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.997**	**.07352**	**.00011**	**.08418**	**.00078**	**-.00023**	W **275.24**	**-.00026**	**-.00177**	**-.00029**	**5.2167**	**.00073**
Stddev	.108	.05373	.00131	.00057	.00003	.00002	.42	.00012	.00070	.00044	.0176	.00254
%RSD	.22041	73.082	1233.8	.68021	3.6935	8.4836	.15094	45.071	39.266	149.94	.33816	349.96
#1	48.921	.03553	-.00082	.08459	.00080	-.00024	275.53	-.00018	-.00128	-.00060	5.2042	.00253
#2	49.073	.11151	.00104	.08378	.00076	-.00021	274.95	-.00034	-.00227	.00002	5.2292	-.00107
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00201**	**.01354**	**.02898**	**.00026**	**.00016**	**5.0783**	**-.01359**	**-.00017**	F **5.4941**	**.00128**	**.00207**	**.05939**
Stddev	.00064	.00103	.00220	.00037	.00010	.0026	.00008	.00118	.0302	.00032	.00011	.00025
%RSD	31.646	7.5776	7.5776	142.73	60.110	.05043	.57041	688.14	.54907	24.624	5.2221	.41702
#1	-.00246	.01282	.02743	.00000	.00023	5.0801	-.01354	-.00101	5.4728	.00106	.00199	.05957
#2	-.00156	.01427	.03053	.00052	.00009	5.0764	-.01365	.00066	5.5154	.00151	.00214	.05922
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8371.4**	**110060.**	**6695.4**
Stddev	29.8	196.	24.9
%RSD	.35637	.17776	.37261
#1	8350.3	109920.	6713.1
#2	8392.5	110200.	6677.8

Sample Name: CCV-2372889 Acquired: 11/12/2013 7:41:33 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50690**	**.53950**	**1.0151**	**.51457**	**.51080**	**.48431**	**-.00318**	**4.9135**	**.51230**	**.50837**	**.51380**	**.51344**	**2.3344**
Stddev	.00108	.00587	.0037	.00017	.00148	.00167	.00152	.0122	.00049	.00019	.00076	.00101	.0013
%RSD	.21335	1.0883	.36751	.03251	.29008	.34522	47.738	.24783	.09487	.03782	.14876	.19602	.05679
#1	.50613	.54365	1.0125	.51469	.51185	.48549	-.00426	4.9049	.51195	.50851	.51326	.51272	2.3335
#2	.50766	.53535	1.0177	.51446	.50975	.48313	-.00211	4.9221	.51264	.50824	.51434	.51415	2.3353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.346**	**1.0184**	**19.779**	**.49533**	**.52165**	**5.3238**	**.51569**	**1.0313**	**1.0392**	**.01940**	**1.0369**	**1.0301**	**4.6946**
Stddev	.131	.0010	.053	.00154	.00072	.0223	.00034	.0027	.0021	.00018	.0037	.0052	.0145
%RSD	.25014	.09330	.26966	.31171	.13838	.41901	.06686	.26384	.20010	.94303	.35279	.50146	.30806
#1	52.438	1.0177	19.816	.49642	.52114	5.3396	.51544	1.0294	1.0377	.01927	1.0395	1.0264	4.6844
#2	52.253	1.0191	19.741	.49424	.52216	5.3081	.51593	1.0333	1.0407	.01953	1.0343	1.0337	4.7049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.047**	**1.0334**	**.50678**	**-.00453**	**.49384**	**1.0418**	**.03855**	**.50131**	**.49850**	**.48924**
Stddev	.031	.0016	.00031	.00113	.00006	.0012	.02072	.00099	.00079	.00235
%RSD	.30806	.15654	.06031	25.016	.01265	.11759	53.756	.19713	.15757	.48123
#1	10.025	1.0346	.50700	-.00373	.49389	1.0409	.05320	.50061	.49905	.49090
#2	10.068	1.0323	.50657	-.00533	.49380	1.0427	.02390	.50200	.49794	.48757
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8661.9**	**117900.**	**7014.6**
Stddev	11.5	368.	27.7
%RSD	.13280	.31198	.39441
#1	8670.0	117640.	7034.1
#2	8653.8	118160.	6995.0

Sample Name: CCB Acquired: 11/12/2013 7:43:43 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00077**	**-.00406**	**.00073**	**-.00072**	**-.00049**	**.00001**	**.00347**	**.00421**	**.00019**	**.00021**	**-.00005**	**-.00040**
Stddev	.00013	.00011	.00020	.00010	.00011	.00006	.00320	.00182	.00008	.00003	.00004	.00001
%RSD	17.216	2.6478	27.065	14.044	21.744	932.48	92.018	43.286	44.196	15.825	74.282	1.8354
#1	.00086	-.00413	.00059	-.00079	-.00056	-.00003	.00121	.00292	.00013	.00023	-.00008	-.00039
#2	.00067	-.00398	.00087	-.00065	-.00041	.00005	.00573	.00550	.00025	.00018	-.00003	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.08829**	**-.00173**	**-.00278**	**.00006**	**.00011**	**.05335**	**.00048**	**-.00551**	**-.00114**	**.02152**	W **.00326**
Stddev	.00160	.00712	.00118	.00011	.00002	.00009	.01204	.00007	.00001	.00052	.00084	.00110
%RSD	212.35	8.0668	68.196	4.0700	31.461	85.907	22.565	15.358	.19864	45.873	3.9096	33.843
#1	.00189	.09333	-.00090	-.00270	.00008	.00018	.06186	.00043	-.00552	-.00077	.02212	.00404
#2	-.00038	.08325	-.00256	-.00286	.00005	.00004	.04484	.00053	-.00550	-.00151	.02093	.00248
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.01788**	**.03825**	**.00036**	**.00002**	**.00033**	**-.00026**	**-.00018**	**.01109**	**.00007**	**.00301**	F **.00575**
Stddev	.00067	.00386	.00826	.00014	.00005	.00127	.00009	.00028	.02444	.00009	.00019	.00048
%RSD	3039.7	21.587	21.587	39.144	232.19	385.40	34.543	156.79	220.34	131.35	6.3512	8.3810
#1	.00049	.02060	.04409	.00026	-.00001	-.00057	-.00033	.00002	.02837	.00013	.00314	.00610
#2	-.00045	.01515	.03241	.00046	.00006	.00123	-.00020	-.00037	-.00619	.00000	.00287	.00541
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit												.00476
Low Limit												-.00476

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8792.6**	**120140.**	**6901.8**
Stddev	24.4	434.	16.9
%RSD	.27794	.36146	.24466
#1	8775.3	119840.	6889.9
#2	8809.8	120450.	6913.7

Sample Name: CCVL2372865 Acquired: 11/12/2013 7:46:02 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01106**	**.10831**	**.01621**	**.10188**	**.00974**	**.00093**	F **.13273**	**.20815**	**.00531**	**.01083**	**.01040**	**.01559**	**.09494**
Stddev	.00062	.00027	.00092	.00035	.00048	.00005	.00187	.00156	.00026	.00001	.00010	.00043	.00136
%RSD	5.5803	.25343	5.6448	.34816	4.9204	5.6742	1.4062	.75091	4.8729	.11397	.93835	2.7607	1.4371
#1	.01149	.10812	.01686	.10213	.01008	.00097	.13405	.20705	.00549	.01082	.01046	.01529	.09591
#2	.01062	.10850	.01557	.10163	.00940	.00089	.13141	.20926	.00513	.01084	.01033	.01590	.09398
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value							.10000						
Range							30.000%						

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1935**	**.00949**	**.20916**	**.01014**	**.02050**	**1.0967**	**.04310**	**3.0281**	**.00938**	**.01588**	F **.00684**	**.01563**	**.47615**
Stddev	.0496	.00145	.00050	.00010	.00005	.0021	.00009	.0024	.00069	.00054	.00138	.00276	.00058
%RSD	1.5537	15.267	.23853	.94555	.25114	.19142	.20738	.08018	7.3131	3.4056	20.148	17.633	.12173
#1	3.2286	.00846	.20880	.01021	.02053	1.0952	.04316	3.0298	.00890	.01626	.00586	.01368	.47574
#2	3.1584	.01051	.20951	.01007	.02046	1.0982	.04304	3.0264	.00987	.01550	.00781	.01758	.47656
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											-30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0190**	**.10503**	**.01036**	**.01363**	**.00941**	**.01622**	F **.12580**	**.01049**	**.02360**	F **.01956**
Stddev	.0012	.00026	.00017	.00021	.00023	.00038	.00173	.00007	.00016	.00284
%RSD	.12173	.25107	1.6551	1.5592	2.4723	2.3572	1.3774	.67015	.66611	14.518
#1	1.0181	.10484	.01024	.01378	.00957	.01595	.12703	.01054	.02349	.02157
#2	1.0198	.10521	.01048	.01348	.00924	.01649	.12458	.01044	.02371	.01755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
Value							.06000			.01500
Range							30.000%			30.000%

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**9133.2**	**124600.**	**7364.2**
Stddev	1.6	361.	6.2
%RSD	.01736	.28984	.08480
#1	9132.1	124860.	7359.8
#2	9134.3	124340.	7368.6

Sample Name: 280-48927-a-3-b Acquired: 11/12/2013 7:48:22 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.62724**	**.00377**	**.01321**	**.07324**	**.00004**	**.00000**	**3.6010**	**.00023**	**.00014**
Stddev	.00027	.00080	.00195	.00057	.00027	.00009	.0019	.0119	.00015	.00003
%RSD	38.944	.12753	51.684	4.2932	.37521	229.78	88603.	.33107	66.687	18.589
#1	.00088	.62781	.00514	.01361	.07305	-.00002	-.00137	3.5926	.00033	.00012
#2	.00050	.62668	.00239	.01281	.07344	.00010	.00137	3.6095	.00012	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00443**	**.33531**	**.83494**	**.00250**	**.53263**	**.00720**	**.00008**	**322.03**	**.00102**
Stddev	.00005	.00010	.00176	.01823	.00141	.00017	.00002	.00014	.76	.00029
%RSD	13.069	2.2323	.52586	2.1834	56.610	.03127	.28107	166.20	.23671	28.814
#1	.00038	.00436	.33406	.82205	.00350	.53251	.00718	.00018	322.56	.00123
#2	.00031	.00450	.33656	.84783	.00150	.53275	.00721	-.00001	321.49	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13211**	**-.00022**	**.11187**	**-.00126**	**.00076**	**1.6416**	**3.5130**	**.00120**	**.03349**	**-.00112**
Stddev	.00086	.00046	.00340	.00134	.00018	.0022	.0046	.00047	.00012	.00002
%RSD	.65186	205.04	3.0363	106.55	23.591	.13158	.13158	39.081	.34576	1.8368
#1	.13150	.00010	.11427	-.00031	.00064	1.6400	3.5097	.00087	.03341	-.00114
#2	.13271	-.00055	.10947	-.00220	.00089	1.6431	3.5162	.00153	.03357	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01906**	**-.00024**	**-.00954**	**.00092**	**.00612**	**.00329**
Stddev	.00057	.00065	.00206	.00031	.00001	.00077
%RSD	3.0100	273.09	21.551	33.266	.13519	23.331
#1	.01947	-.00069	-.00808	.00071	.00613	.00384
#2	.01866	.00022	-.01099	.00114	.00611	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8551.9**	**115720.**	**7261.7**
Stddev	24.4	445.	129.7
%RSD	.28582	.38417	1.7860
#1	8569.2	115410.	7170.0
#2	8534.6	116040.	7353.4

Sample Name: 280-48927-a-3-bSD@5 Acquired: 11/12/2013 7:50:50 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.15228**	**.00166**	**.00254**	**.01564**	**-.00005**	**-.00095**	**.77795**	**.00017**	**.00020**
Stddev	.00054	.00034	.00095	.00052	.00036	.00012	.00043	.01065	.00012	.00005
%RSD	484.45	.22222	57.272	20.521	2.2829	274.99	45.410	1.3692	70.592	22.561
#1	-.00027	.15252	.00099	.00217	.01589	-.00013	-.00125	.78548	.00009	.00023
#2	.00050	.15204	.00234	.00291	.01539	.00004	-.00064	.77042	.00026	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00130**	**.08167**	**.15850**	**.00019**	**.12103**	**.00179**	**-.00012**	**69.255**	**.00067**
Stddev	.00002	.00004	.00036	.00143	.00146	.00133	.00004	.00003	.697	.00022
%RSD	16.648	3.1869	.44268	.90260	786.79	1.0973	2.4482	21.941	1.0062	32.035
#1	.00014	.00127	.08193	.15749	-.00085	.12197	.00176	-.00010	69.748	.00083
#2	.00011	.00133	.08142	.15951	.00122	.12009	.00182	-.00014	68.763	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02322**	**-.00054**	**.04348**	**-.00067**	**.00114**	**.37173**	**.79549**	**.00240**	**.00708**	**-.00138**
Stddev	.00054	.00079	.00314	.00001	.00167	.00370	.00792	.00010	.00001	.00035
%RSD	2.3193	145.66	7.2214	1.3567	146.92	.99500	.99500	4.1328	.12609	25.179
#1	.02284	.00002	.04570	-.00067	.00232	.37434	.80109	.00247	.00708	-.00113
#2	.02360	-.00109	.04126	-.00068	-.00004	.36911	.78990	.00233	.00707	-.00162
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00356**	**.00059**	**.03475**	**.00027**	**.01504**	**.00487**
Stddev	.00008	.00049	.03945	.00013	.00033	.00158
%RSD	2.3039	82.375	113.52	47.145	2.2260	32.392
#1	.00350	.00094	.00686	.00018	.01481	.00599
#2	.00362	.00025	.06265	.00037	.01528	.00375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8358.0**	**113450.**	**6765.8**
Stddev	12.8	131.	33.6
%RSD	.15285	.11509	.49625
#1	8367.1	113540.	6742.1
#2	8349.0	113360.	6789.6

Sample Name: 280-48927-a-3-c ms Acquired: 11/12/2013 7:53:12 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .21151	.98510	.79797	.20709	2.4637	.00926	F .43605	12.792	.22042	.09541
Stddev	.00004	.00230	.00016	.00003	.0047	.00003	.00082	.029	.00002	.00005
%RSD	.02092	.23336	.02013	.01532	.18952	.36891	.18774	.22546	.00991	.05331
#1	.21154	.98348	.79785	.20707	2.4604	.00923	.43663	12.771	.22044	.09538
#2	.21148	.98673	.79808	.20711	2.4670	.00928	.43547	12.812	.22041	.09545
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0202	.44928	.50330	11.328	.20268	9.8682	.10324	.20170	316.04	.09796
Stddev	.0003	.00079	.00526	.020	.00320	.0266	.00009	.00034	.16	.00033
%RSD	.03100	.17537	1.0452	.18090	1.5769	.26954	.08680	.16660	.05055	.33851
#1	1.0200	.44872	.50702	11.314	.20494	9.8870	.10330	.20146	315.92	.09773
#2	1.0204	.44984	.49958	11.343	.20042	9.8494	.10317	.20194	316.15	.09820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1624	1.0445	.10534	.09398	.59190	3.3841	7.2420	.39103	.22759	.19484
Stddev	.0062	.0002	.00128	.00088	.00294	.0153	.0328	.00084	.00010	.00266
%RSD	.28435	.02316	1.2143	.93663	.49717	.45275	.45275	.21418	.04500	1.3658
#1	2.1667	1.0443	.10625	.09461	.59398	3.3949	7.2652	.39162	.22752	.19672
#2	2.1581	1.0446	.10444	.09336	.58982	3.3733	7.2188	.39044	.22766	.19296
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20902	.36220	.42327	.10183	.50882	.10011
Stddev	.00047	.00133	.02739	.00034	.00132	.00053
%RSD	.22382	.36747	6.4722	.33584	.26020	.52893
#1	.20935	.36314	.40390	.10207	.50975	.09973
#2	.20869	.36126	.44264	.10159	.50788	.10048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8151.6	107730.	6582.9
Stddev	16.5	257.	22.9
%RSD	.20198	.23832	.34738
#1	8163.3	107540.	6599.0
#2	8140.0	107910.	6566.7

Sample Name: 280-48927-a-3-d msd Acquired: 11/12/2013 7:55:30 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .20607	.98000	.77777	.20328	2.4016	.00918	F .42775	12.483	.21596	.09378
Stddev	.00126	.00147	.00597	.00031	.0028	.00000	.00135	.005	.00033	.00053
%RSD	.61385	.14974	.76742	.15135	.11665	.03523	.31620	.04197	.15078	.56331
#1	.20697	.97897	.78200	.20350	2.4035	.00918	.42871	12.487	.21573	.09415
#2	.20518	.98104	.77355	.20306	2.3996	.00918	.42679	12.480	.21619	.09340
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.10000						.10000			
Low Limit	-.01000						-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0028	.43897	.49036	11.108	.19729	9.6574	.10070	.19895	308.45	.09655
Stddev	.0010	.00078	.00140	.011	.00146	.0014	.00004	.00141	.10	.00002
%RSD	.09854	.17826	.28636	.09955	.73766	.01501	.03857	.70983	.03237	.02463
#1	1.0021	.43842	.49135	11.116	.19627	9.6564	.10072	.19995	308.38	.09654
#2	1.0035	.43952	.48937	11.100	.19832	9.6584	.10067	.19796	308.52	.09657
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 2.1301	1.0315	.10417	.09122	.58375	3.3618	7.1943	.38655	.22247	.18937
Stddev	.0024	.0021	.00106	.00129	.00150	.0094	.0202	.00105	.00047	.00064
%RSD	.11287	.19886	1.0161	1.4102	.25646	.28034	.28034	.27039	.21006	.33653
#1	2.1318	1.0330	.10342	.09213	.58269	3.3685	7.2086	.38581	.22280	.18892
#2	2.1284	1.0301	.10492	.09031	.58481	3.3552	7.1801	.38729	.22214	.18982
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.20489	.35602	.40747	.09874	.49601	.09704
Stddev	.00051	.00011	.01655	.00031	.00086	.00034
%RSD	.25071	.03123	4.0629	.31060	.17258	.35351
#1	.20525	.35610	.41917	.09895	.49661	.09729
#2	.20453	.35594	.39576	.09852	.49540	.09680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	8052.6	106970.	6484.3
Stddev	14.0	70.	25.1
%RSD	.17376	.06533	.38784
#1	8062.5	106920.	6466.5
#2	8042.7	107020.	6502.1

Sample Name: 280-48927-a-3-bPDS Acquired: 11/12/2013 7:57:49 Type: Unk
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200196 TCLP 6010B A4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04837**	**1.6146**	**.20893**	**.11048**	**.17343**	**.04907**	**-.00267**	**22.861**	**.05219**	**.05001**
Stddev	.00063	.0027	.00216	.00057	.00066	.00005	.00014	.022	.00037	.00015
%RSD	1.2935	.16455	1.0320	.51812	.37968	.10676	5.2787	.09504	.71252	.30272
#1	.04882	1.6127	.21045	.11008	.17296	.04910	-.00257	22.845	.05193	.04990
#2	.04793	1.6165	.20740	.11088	.17389	.04903	-.00277	22.876	.05246	.05012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**.05659**	**1.2650**	**22.630**	**.10614**	**19.983**	**.05686**	**.05072**	**334.49**	**.05110**
Stddev	.00035	.00013	.0039	.004	.00163	.003	.00017	.00011	.81	.00007
%RSD	.66629	.22825	.30943	.01560	1.5350	.01625	.29777	.21191	.24336	.14533
#1	.05155	.05668	1.2678	22.633	.10729	19.985	.05674	.05064	333.92	.05105
#2	.05204	.05650	1.2622	22.628	.10499	19.981	.05698	.05079	335.07	.05115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2791**	**.09794**	**.10645**	**.09551**	**.20385**	**6.2657**	**13.409**	**.10066**	**.08458**	**.20330**
Stddev	.0044	.00099	.00153	.00200	.00061	.0200	.043	.00115	.00021	.00045
%RSD	.19477	1.0115	1.4340	2.0953	.29882	.31880	.31880	1.1459	.25361	.22188
#1	2.2759	.09864	.10537	.09410	.20429	6.2516	13.378	.09984	.08443	.20362
#2	2.2822	.09724	.10753	.09693	.20342	6.2798	13.439	.10147	.08473	.20298
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06813**	**.18606**	**.56677**	**.05228**	**.21582**	**.05458**
Stddev	.00033	.00154	.00591	.00028	.00033	.00040
%RSD	.48647	.82639	1.0435	.53260	.15282	.72487
#1	.06837	.18497	.56259	.05248	.21605	.05430
#2	.06790	.18715	.57095	.05208	.21558	.05486
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**8134.2**	**108400.**	**6688.0**
Stddev	31.1	99.	.3
%RSD	.38206	.09157	.00422
#1	8156.2	108330.	6687.8
#2	8112.2	108470.	6688.2

Sample Name: CCVH-2372891 Acquired: 11/12/2013 8:00:08 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00778**	**50.551**	**.00106**	**-.00050**	**-.00007**	**-.00013**	F **1.1052**	**.02256**	**-.00013**	**-.00033**	**.00000**	**.01125**
Stddev	.00034	.069	.00124	.00002	.00028	.00003	.0035	.00062	.00014	.00018	.0001	.00061
%RSD	4.4123	.13609	116.95	3.3730	376.24	23.689	.31571	2.7329	110.16	53.800	15620.	5.4159
#1	.00803	50.600	.00018	-.00051	-.00027	-.00011	1.1027	.02300	-.00022	-.00021	-.00008	.01168
#2	.00754	50.503	.00193	-.00049	.00012	-.00016	1.1076	.02213	-.00003	-.00046	.00008	.01082
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.587**	**.12420**	**-.00135**	**.08422**	**.00063**	**-.00017**	W **275.39**	**.00010**	**-.00289**	**.00047**	**5.2214**	**-.00252**
Stddev	.185	.01762	.00173	.00062	.00007	.00002	1.21	.00032	.00094	.00041	.0075	.00028
%RSD	.37288	14.187	128.05	.73734	11.431	11.048	.44043	331.19	32.627	88.406	.14421	11.060
#1	49.717	.13666	-.00258	.08378	.00068	-.00018	276.25	.00032	-.00355	.00076	5.2161	-.00272
#2	49.456	.11174	-.00013	.08465	.00058	-.00015	274.54	-.00013	-.00222	.00017	5.2267	-.00232
Check ?	Chk Pass	None	None	None	None	None	Chk Warn	None	None	None	Chk Pass	None
Value							250.00					
Range							10.000%					

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00545**	**.00961**	**.02056**	**-.00069**	**.00016**	**5.0505**	**-.01340**	**.00151**	F **5.4681**	**.00139**	**.00204**	**.06283**
Stddev	.00467	.01494	.03197	.00021	.00010	.0109	.00060	.00154	.0008	.00008	.00007	.00142
%RSD	85.562	155.51	155.51	29.609	59.852	.21504	4.4557	101.63	.01531	5.6230	3.6114	2.2543
#1	-.00215	-.00096	-.00205	-.00084	.00009	5.0582	-.01382	.00260	5.4687	.00145	.00199	.06383
#2	-.00875	.02017	.04316	-.00055	.00023	5.0428	-.01298	.00043	5.4675	.00134	.00209	.06182
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8264.5**	**108930.**	**6451.5**
Stddev	15.8	385.	19.2
%RSD	.19152	.35304	.29727
#1	8253.3	109210.	6465.0
#2	8275.7	108660.	6437.9

Sample Name: CCV-2372889 Acquired: 11/12/2013 8:02:31 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50984**	**.54103**	**1.0216**	**.51376**	**.51134**	**.48391**	**-.00612**	**5.0109**	**.51159**	**.50852**	**.51542**	**.51071**	**2.3811**
Stddev	.00038	.00093	.0018	.00289	.00050	.00021	.00182	.0048	.00243	.00169	.00189	.00079	.0033
%RSD	.07405	.17105	.17219	.56193	.09861	.04425	29.717	.09557	.47508	.33297	.36746	.15460	.13999
#1	.51011	.54038	1.0204	.51172	.51099	.48376	-.00741	5.0143	.50987	.50732	.51408	.51127	2.3835
#2	.50957	.54169	1.0229	.51581	.51170	.48407	-.00483	5.0076	.51330	.50972	.51676	.51015	2.3788
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.842**	**1.0309**	**20.219**	**.49881**	**.51981**	**5.3821**	**.51628**	**1.0217**	**1.0366**	**.01275**	**1.0305**	**1.0242**	**4.7972**
Stddev	.168	.0005	.069	.00060	.00124	.0037	.00114	.0031	.0007	.00037	.0089	.0101	.0305
%RSD	.31860	.05043	.34067	.12083	.23923	.06883	.22035	.30100	.06513	2.8686	.86453	.98253	.63649
#1	52.723	1.0313	20.267	.49924	.51893	5.3795	.51547	1.0195	1.0362	.01249	1.0242	1.0171	4.7756
#2	52.961	1.0305	20.170	.49839	.52069	5.3847	.51708	1.0238	1.0371	.01301	1.0368	1.0313	4.8188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.266**	**1.0450**	**.50847**	**-.00441**	**.49315**	**1.0396**	**.01337**	**.50197**	**.50759**	**.49500**
Stddev	.065	.0056	.00010	.00003	.00120	.0043	.02726	.00130	.00087	.00019
%RSD	.63649	.53098	.01994	.68542	.24376	.41334	203.91	.25873	.17099	.03871
#1	10.220	1.0411	.50855	-.00439	.49400	1.0365	.03265	.50289	.50821	.49487
#2	10.312	1.0490	.50840	-.00443	.49230	1.0426	-.00591	.50105	.50698	.49514
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8426.7**	**113690.**	**6629.1**
Stddev	43.6	174.	13.7
%RSD	.51689	.15275	.20602
#1	8457.5	113560.	6638.8
#2	8395.9	113810.	6619.5

Sample Name: CCB Acquired: 11/12/2013 8:04:39 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**-.00393**	**.00095**	**.00003**	**-.00023**	**.00010**	**-.00057**	**.00386**	**.00006**	**.00014**	**-.00008**	**.00016**
Stddev	.00013	.00006	.00044	.00056	.00009	.00008	.00092	.00202	.00010	.00014	.00005	.00015
%RSD	15.581	1.5033	46.676	1673.1	37.911	78.436	162.18	52.245	159.77	103.46	62.772	94.822
#1	.00077	-.00389	.00064	.00043	-.00029	.00015	-.00121	.00243	.00014	.00004	-.00004	.00005
#2	.00096	-.00397	.00126	-.00036	-.00016	.00004	.00008	.00528	-.00001	.00024	-.00011	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.02306**	**-.00150**	**.00130**	**.00005**	**.00008**	**.07834**	**.00050**	**-.00501**	**-.00021**	**.01396**	W **.00328**
Stddev	.00097	.00170	.00174	.00036	.00002	.00002	.00113	.00007	.00061	.00054	.00070	.00264
%RSD	187.60	7.3706	116.20	27.957	32.385	19.213	1.4448	13.131	12.226	252.94	4.9938	80.523
#1	.00017	.02426	-.00027	.00156	.00006	.00009	.07914	.00055	-.00544	-.00059	.01347	.00141
#2	-.00121	.02186	-.00273	.00104	.00004	.00007	.07754	.00045	-.00458	.00017	.01445	.00515
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.01443**	**.03088**	**.00046**	**.00019**	**.00006**	**-.00055**	**-.00035**	**-.02632**	**.00016**	**.00302**	**.00206**
Stddev	.00266	.00300	.00642	.00010	.00010	.00024	.00025	.00029	.02699	.00030	.00023	.00129
%RSD	941.95	20.804	20.804	22.963	53.526	396.92	45.214	82.996	102.54	191.75	7.5563	62.501
#1	.00216	.01231	.02634	.00038	.00026	.00023	-.00037	-.00014	-.04541	-.00006	.00318	.00298
#2	-.00160	.01655	.03542	.00053	.00012	-.00011	-.00073	-.00056	-.00724	.00037	.00286	.00115
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8439.5**	**114850.**	**6485.2**
Stddev	29.2	261.	51.4
%RSD	.34626	.22697	.79251
#1	8460.2	114670.	6448.8
#2	8418.9	115030.	6521.5

Sample Name: CCVL2372865 Acquired: 11/12/2013 8:06:57 Type: QC
Method: 6500_025(v4) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01127**	**.10971**	**.01632**	**.10081**	**.00999**	**.00098**	**.12950**	**.21093**	**.00528**	**.01080**	**.01040**	**.01605**	**.09779**
Stddev	.00007	.00119	.00073	.00044	.00005	.00009	.00028	.00046	.00003	.00003	.00002	.00030	.00102
%RSD	.66333	1.0851	4.4426	.43463	.53412	9.3925	.21886	.21972	.59276	.27211	.17433	1.8399	1.0445
#1	.01122	.11055	.01683	.10112	.00995	.00092	.12930	.21060	.00526	.01077	.01039	.01584	.09707
#2	.01133	.10887	.01581	.10050	.01003	.00105	.12970	.21126	.00531	.01082	.01042	.01626	.09851
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2310**	**.00789**	**.21119**	**.01028**	**.02053**	**1.1190**	**.04307**	**3.0165**	**.00983**	**.01088**	**.00965**	**.01280**	**.48609**
Stddev	.0063	.00128	.00323	.00009	.00006	.0019	.00015	.0030	.00050	.00252	.00248	.00172	.00209
%RSD	.19627	16.245	1.5295	.90365	.26893	.16873	.34888	.09824	5.1182	23.139	25.731	13.433	.42902
#1	3.2354	.00880	.21348	.01034	.02057	1.1177	.04296	3.0186	.00948	.01266	.01141	.01159	.48757
#2	3.2265	.00698	.20891	.01021	.02049	1.1204	.04317	3.0144	.01019	.00910	.00790	.01402	.48462
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0402**	**.10666**	**.01018**	**.01348**	**.00932**	**.01676**	F **.08587**	**.01016**	**.02443**	**.01876**
Stddev	.0045	.00005	.00002	.00023	.00005	.00049	.00843	.00019	.00028	.00058
%RSD	.42902	.04826	.17095	1.7132	.50825	2.9409	9.8136	1.8492	1.1539	3.0953
#1	1.0434	.10669	.01017	.01365	.00928	.01641	.07991	.01030	.02423	.01835
#2	1.0371	.10662	.01019	.01332	.00935	.01711	.09183	.01003	.02463	.01917
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**8707.3**	**118830.**	**6701.4**
Stddev	38.9	447.	4.8
%RSD	.44627	.37611	.07123
#1	8734.8	118510.	6704.8
#2	8679.8	119140.	6698.0

ICP Data Review Checklist

TALS BATCH NUMBER: 200481 - 200485, 200487, 200585		Earliest due date: 11/13/13
Run Date: 11/11/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7:** ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/12/13

Comments:

2nd Level Reviewer: DSmith Date: 11/13/13

Comments:

ICP Data Review Checklist

TALS BATCH NUMBER: 201175 - 201181		Earliest due date: 11/15/13
Run Date: 11/14/13	Analyst: JKH	Instrument: 25
QC programs/Methods Run: 200.7 6010B 6010C		

Review Items	Yes	No	N/A	2nd Level
A. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < 1/2 RL or CRDL (CLP) or < 2.2x MDL 200.7 ?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
5. Serial dilution done per prep batch (or per SDG for CLP)?	✓			✓
6. Post digest spike analyzed if required (CLP, DOD & AFCEE only)? NCM Whether needed for DODV3, AFCEE 4.0, 6010c?	✓			✓
B. Calibration/Instrument Run QC				
1. ICV/CCV analyzed at appropriate frequency and within control limits ? (**6010B**: CLP = 90 - 110%; **200.7**: ICV = 95 - 105%, CCV 90-110%) If not in control, was the ICV or CCV reanalyzed twice to show return to control as per NELAP?	✓			✓
2. ICB/CCB analyzed at appropriate frequency and <1/2RL or < 2X MDL (DOD V3,AFCEE 4.0)? Was it less than the MDLV (6010C)	✓			✓
3. High Standard (HIGH) reanalyzed before samples and recovered within QC limits? (+-5%)	✓			✓
4. RL STD run and recovered within QC limits ? (± 50% for non-CLP, ± 20% for DoD V3 / AFCEE 4.0 / USACE)	✓			✓
5. Was the LLICV/LLCCV analyzed at appropriate frequency for 6010C and within control (+-30 % or +-20%)	✓			✓
6. ICSA/ICSAB run at required frequency and within SOP limits? (ICSA < 2X MDL AFCEE 4.0, DOD V3 or <RL std work or <MDLV 6010C))	✓			✓
C. Sample Results				
1. For 6010B, were samples with concentrations > the linear range for any parameter diluted and reanalyzed? For 200.7, were samples with concentrations within 90% of the linear range diluted and reanalyzed?	✓			✓
2. Are all reported results bracketed by in control QC?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?	✓			✓
2. Calculations checked for errors?	✓			✓
3. Transcriptions checked for errors? (Example: Are dilution factors that are entered into the sequence log correct?)	✓			✓
4. All client/project specific requirements met?	✓			✓
5. Date/time of analysis verified as correct?	✓			✓
6. PDF attached, verified uncorrupted?	✓			✓

Analyst: JKH Date: 11/15/13

Comments:

2nd Level Reviewer: [signature] Date: 11/20/13

Comments:

Sample Name: ICIS Acquired: 11/14/2013 14:26:29 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00215**	**.00064**	**-.01081**	**-.00006**	**.00095**	**.01135**	**.00194**	**-.00141**	**.00404**	**-.00038**	**.00002**	**-.00019**	**.00214**
Stddev	.00005	.00002	.00064	.00008	.00001	.00084	.00015	.00001	.00039	.00013	.00014	.00005	.00009
%RSD	2.3935	2.4523	5.8957	122.38	1.0213	7.4249	7.9890	.41151	9.6041	33.666	736.21	24.670	4.3656
#1	-.00211	.00065	-.01036	-.00012	.00094	.01075	.00205	-.00141	.00431	-.00029	.00012	-.00022	.00221
#2	-.00219	.00063	-.01126	-.00001	.00095	.01194	.00183	-.00141	.00376	-.00047	-.00008	-.00016	.00208

Elem	Fe2599	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00086**	**-.00036**	**-.00032**	**-.00468**	**-.00005**	**.00012**	**.00036**	**-.00650**	**-.01249**	**-.00093**	**.00004**	**.00055**	**-.00005**
Stddev	.00017	.00029	.00091	.00146	.00004	.00005	.00012	.00042	.00041	.00024	.00010	.00003	.00007
%RSD	19.999	78.992	281.52	31.131	81.619	45.680	32.940	6.4481	3.3010	26.024	258.09	5.2036	135.51
#1	.00098	-.00016	.00032	-.00571	-.00007	.00015	.00045	-.00679	-.01220	-.00110	-.00003	.00053	.00000
#2	.00074	-.00056	-.00097	-.00365	-.00002	.00008	.00028	-.00620	-.01278	-.00076	.00011	.00057	-.00010

Elem	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.00057**	**.00026**	**.00056**	**.00056**	**.00030**	**-.00187**	**-.00046**	**-.00011**	**-.00036**	**-.00023**	**.00037**	**.00001**	**-.00190**
Stddev	.00010	.00005	.00032	.00032	.00006	.00037	.00012	.00000	.00006	.00020	.00010	.00000	.00070
%RSD	16.990	17.495	57.756	57.756	20.635	19.854	25.176	2.3932	15.388	85.153	27.467	12.679	36.894
#1	.00064	.00023	.00033	.00033	.00025	-.00214	-.00055	-.00011	-.00032	-.00037	.00030	.00001	-.00141
#2	.00051	.00029	.00078	.00078	.00034	-.00161	-.00038	-.00011	-.00040	-.00009	.00045	.00000	-.00240

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7051.5**	**82279.**	**6615.7**
Stddev	18.6	640.	49.5
%RSD	.26381	.77822	.74780
#1	7064.7	81827.	6650.7
#2	7038.4	82732.	6580.7

Sample Name: ICAL1 Acquired: 11/14/2013 14:28:50 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22598**	**.23487**	**.10455**	**.27323**	**5.1924**	**6.6808**	**1.7648**	**1.4108**	**.91144**	**.99104**	**.32701**	**.66229**	**4.7065**	**2.1121**
Stddev	.00014	.00015	.00010	.00022	.0010	.0019	.0020	.0002	.00090	.00142	.00110	.00156	.0023	.0023
%RSD	.06050	.06581	.09506	.07933	.01949	.02837	.11321	.01460	.09859	.14339	.33563	.23502	.04980	.10916
#1	.22589	.23498	.10462	.27339	5.1932	6.6794	1.7662	1.4106	.91207	.99204	.32624	.66339	4.7048	2.1138
#2	.22608	.23476	.10448	.27308	5.1917	6.6821	1.7634	1.4109	.91080	.99003	.32779	.66118	4.7082	2.1105

Elem	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Ti3349
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.1437**	**1.3587**	**.58541**	**1.6528**	**.64901**	**.12278**	**.43638**	**.19165**	**.09691**	**.32718**	**.32718**	**.27413**	**8.9744**	**.33651**
Stddev	.0010	.0038	.00024	.0023	.00153	.00046	.00044	.00088	.00002	.00156	.00156	.00048	.0036	.00003
%RSD	.09182	.27710	.04134	.14066	.23562	.37189	.10167	.45842	.02267	.47727	.47727	.17642	.03994	.00946
#1	1.1445	1.3614	.58524	1.6545	.65009	.12310	.43670	.19228	.09690	.32607	.32607	.27447	8.9718	.33654
#2	1.1430	1.3561	.58559	1.6512	.64793	.12245	.43607	.19103	.09693	.32828	.32828	.27379	8.9769	.33649

Elem	Tl1908	V_2924	Zn2062	Zr3391
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.22707**	**.19962**	**.03615**	**.32907**
Stddev	.00040	.00086	.00002	.00013
%RSD	.17605	.43014	.04694	.04055
#1	.22735	.19902	.03616	.32916
#2	.22679	.20023	.03614	.32897

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.0**	**81256.**	**6539.4**
Stddev	7.8	52.	29.7
%RSD	.11103	.06458	.45386
#1	7027.5	81293.	6560.4
#2	7038.5	81219.	6518.4

Sample Name: ICAL2 Acquired: 11/14/2013 14:31:01 Type: Cal
Method: 6500_025(v6) Mode: IR Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Al3092	Bi2230	Fe2714	Na8183	S_1820	Th2837	U_3701
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.6344**	**.21818**	**.70586**	**2.8951**	**.37365**	**.52867**	**.08053**
Stddev	.0017	.00050	.00309	.0042	.00049	.00283	.00075
%RSD	.04719	.23042	.43840	.14433	.13173	.53589	.93107
#1	3.6332	.21783	.70367	2.8922	.37331	.52666	.08000
#2	3.6357	.21854	.70805	2.8981	.37400	.53067	.08106

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.2**	**78101.**	**6632.0**
Stddev	6.8	125.	6.7
%RSD	.09919	.16048	.10167
#1	6832.4	78189.	6627.2
#2	6842.0	78012.	6636.8

Sample Name: S1-2372886 Acquired: 11/14/2013 14:33:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0053**	**1.0032**	**1.9947**	**.99908**	**.99212**	**.99080**	**-.03164**	**9.8767**	**.98994**	**.99626**	**1.0011**	**.99803**	**4.9875**
Stddev	.0033	.0029	.0013	.00192	.00758	.00659	.00153	.0629	.00094	.00008	.0002	.00133	.0031
%RSD	.33140	.28719	.06333	.19203	.76390	.66489	4.8264	.63679	.09490	.00846	.02390	.13302	.06300
#1	1.0077	1.0053	1.9956	.99772	.98676	.98614	-.03272	9.8323	.98927	.99632	1.0013	.99897	4.9852
#2	1.0029	1.0012	1.9938	1.0004	.99748	.99546	-.03056	9.9212	.99060	.99620	1.0010	.99709	4.9897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**98.802**	**1.9704**	**39.869**	**.99315**	**.99802**	**10.164**	**10.450**	**1.0014**	**1.9929**	**1.9805**	**-.00480**	**1.9955**	**2.0033**
Stddev	.744	.0140	.051	.00254	.00001	.153	.116	.0003	.0126	.0005	.00021	.0097	.0096
%RSD	.75297	.70992	.12699	.25591	.00116	1.5100	1.1104	.03416	.62951	.02676	4.3120	.48443	.48087
#1	98.276	1.9605	39.905	.99494	.99802	10.056	10.532	1.0017	2.0017	1.9801	-.00465	2.0023	2.0101
#2	99.328	1.9803	39.833	.99135	.99803	10.273	10.368	1.0012	1.9840	1.9808	-.00494	1.9887	1.9965
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass
Value													
Range													

Elem	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9678**	**21.331**	**1.9944**	**.99141**	**.00057**	**.99718**	**1.9790**	**-.00128**	**.98921**	**.99791**	**1.0008**
Stddev	.1209	.259	.0085	.00776	.00229	.00057	.0053	.05074	.00099	.00096	.0093
%RSD	1.2129	1.2129	.42606	.78302	401.83	.05700	.26685	3978.9	.10003	.09579	.93254
#1	9.8823	21.148	2.0004	.98592	.00219	.99758	1.9827	-.03716	.98991	.99859	.99422
#2	10.053	21.514	1.9884	.99689	-.00105	.99678	1.9752	.03460	.98851	.99724	1.0074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value											
Range											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.6**	**81124.**	**6709.1**
Stddev	13.3	487.	42.5
%RSD	.19140	.59996	.63334
#1	6979.1	81468.	6739.1
#2	6960.2	80780.	6679.0

Sample Name: S2-2372887 Acquired: 11/14/2013 14:35:35 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00508**	**100.49**	**.00060**	**.00653**	**.00127**	**.00023**	**1.9744**	**.03636**	**.00157**	**-.00166**	**.00068**	**-.00675**
Stddev	.00034	.38	.00207	.00047	.00015	.00006	.0100	.00471	.00028	.00016	.00004	.00082
%RSD	6.7432	.37534	345.38	7.1330	11.807	23.626	.50377	12.947	18.019	9.5867	5.6575	12.076
#1	-.00533	100.22	-.00086	.00686	.00137	.00027	1.9815	.03968	.00176	-.00154	.00070	-.00618
#2	-.00484	100.76	.00206	.00620	.00116	.00020	1.9674	.03303	.00137	-.00177	.00065	-.00733
Check ?	Chk Fail	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None
Value	.00000											
Range	-.07000%											

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**101.01**	**.28673**	**.00553**	**.15680**	**-.00013**	**.00239**	**503.73**	**-.00183**	**.00904**	**-.00261**	**9.9601**	**.02208**
Stddev	.63	.03813	.00116	.00298	.00007	.00033	1.61	.00002	.00029	.00059	.0290	.00052
%RSD	.61929	13.298	21.006	1.9018	57.390	13.618	.32040	1.1336	3.2232	22.462	.29088	2.3624
#1	100.57	.31370	.00635	.15469	-.00008	.00262	502.59	-.00182	.00884	-.00303	9.9806	.02245
#2	101.45	.25977	.00471	.15891	-.00018	.00216	504.87	-.00185	.00925	-.00220	9.9396	.02171
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01297**	**.03740**	**.08004**	**.00056**	**.00066**	**9.9190**	**.01681**	**.00414**	**19.983**	**.00138**	**.00085**	**-.09944**
Stddev	.00209	.02177	.04659	.00019	.00012	.0134	.00007	.00053	.027	.00043	.00063	.00296
%RSD	16.118	58.208	58.208	32.919	17.743	.13526	.40578	12.805	.13640	31.136	74.028	2.9773
#1	-.01445	.05279	.11298	.00043	.00075	9.9095	.01686	.00377	19.964	.00107	.00130	-.09735
#2	-.01149	.02201	.04709	.00069	.00058	9.9285	.01676	.00452	20.002	.00168	.00041	-.10154
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Pass	None	None	None
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.5**	**77279.**	**6552.5**
Stddev	29.8	388.	29.0
%RSD	.43811	.50259	.44244
#1	6780.4	77004.	6532.0
#2	6822.6	77554.	6573.0

Sample Name: ICVH-2380596 Acquired: 11/14/2013 14:37:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00298**	**39.406**	**-.00098**	**.00074**	**.00268**	**.00007**	W **.52912**	**.01094**	**.00078**	**.00056**	**.00084**	**-.00201**
Stddev	.00062	.241	.00322	.00004	.00034	.00007	.00065	.00069	.00003	.00008	.00004	.00043
%RSD	20.786	.61260	328.65	5.9487	12.550	89.994	.12300	6.2975	3.3703	13.849	4.2852	21.222
#1	-.00342	39.235	.00130	.00077	.00244	.00012	.52958	.01143	.00076	.00062	.00087	-.00170
#2	-.00254	39.577	-.00325	.00071	.00292	.00003	.52866	.01045	.00080	.00051	.00082	-.00231
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							.50000					
Range							5.4900%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**80.092**	**.14511**	**-.00019**	**.04938**	**.00000**	**.00034**	**41.308**	**-.00045**	**.00163**	**-.00054**	**3.9345**	**.00405**
Stddev	.665	.00929	.00081	.00063	.0000	.00023	.416	.00040	.00103	.00215	.0136	.00040
%RSD	.82996	6.3988	439.48	1.2696	7972.0	65.839	1.0079	87.425	63.076	396.72	.34624	9.8270
#1	79.622	.15167	-.00076	.04894	.00003	.00018	41.014	-.00017	.00236	.00098	3.9249	.00377
#2	80.562	.13854	.00039	.04983	-.00003	.00050	41.602	-.00074	.00090	-.00207	3.9441	.00434
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00601**	**-.00917**	**-.01963**	**.00061**	**.00007**	**2.9192**	**.00560**	**.00149**	F **7.7736**	**-.00097**	**.00231**	**-.02873**
Stddev	.00054	.02156	.04614	.00003	.00001	.0002	.00042	.00089	.0192	.00046	.00033	.00310
%RSD	8.9208	235.02	235.02	4.8388	8.9756	.00826	7.5069	59.668	.24655	47.347	14.316	10.790
#1	-.00639	.00607	.01299	.00059	.00007	2.9194	.00530	.00212	7.7872	-.00129	.00208	-.02654
#2	-.00563	-.02442	-.05226	.00063	.00008	2.9191	.00589	.00086	7.7601	-.00064	.00254	-.03092
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									5.0000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7114.7**	**81308.**	**6661.8**
Stddev	4.2	204.	14.1
%RSD	.05953	.25093	.21155
#1	7111.7	81163.	6671.7
#2	7117.7	81452.	6651.8

Sample Name: ICV-2364198 Acquired: 11/14/2013 14:40:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25422**	**.25777**	**.24942**	**.25473**	**.24783**	**.23944**	**-.00237**	**1.9941**	**.24859**	**.24892**	**.25102**	**.24662**	**.26123**
Stddev	.00308	.00095	.00202	.00033	.00063	.00147	.00304	.0183	.00157	.00092	.00062	.00355	.00077
%RSD	1.2109	.36879	.80871	.13014	.25481	.61394	128.63	.91955	.63219	.37019	.24657	1.4379	.29596
#1	.25640	.25710	.25085	.25449	.24738	.23840	-.00452	1.9812	.24748	.24827	.25059	.24913	.26177
#2	.25205	.25845	.24799	.25496	.24828	.24048	-.00021	2.0071	.24970	.24958	.25146	.24412	.26068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**19.658**	**.24794**	**10.005**	**.24985**	**.24609**	**2.0448**	**.25418**	**1.9600**	**.24807**	**.00309**	**.24599**	**.51071**	**2.0181**
Stddev	.031	.00046	.113	.00318	.00029	.0115	.00121	.0050	.00244	.00103	.00270	.00097	.0269
%RSD	.15838	.18487	1.1286	1.2732	.11985	.56123	.47721	.25322	.98270	33.238	1.0994	.19025	1.3328
#1	19.636	.24826	10.084	.25210	.24630	2.0529	.25332	1.9565	.24635	.00236	.24408	.51140	1.9991
#2	19.680	.24762	9.9247	.24760	.24588	2.0367	.25504	1.9635	.24980	.00382	.24791	.51002	2.0371
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.3188**	**.49772**	**.24556**	**.00016**	**.24622**	**.50760**	**.01051**	**.24366**	**.25484**	**.24482**
Stddev	.0576	.00092	.00073	.00054	.00358	.00054	.02626	.00321	.00224	.00254
%RSD	1.3328	.18513	.29589	336.45	1.4547	.10597	249.75	1.3157	.87703	1.0395
#1	4.2781	.49706	.24504	.00055	.24875	.50798	.02908	.24593	.25642	.24302
#2	4.3595	.49837	.24607	-.00022	.24368	.50722	-.00805	.24140	.25326	.24662
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7182.3**	**81762.**	**6604.9**
Stddev	16.2	1336.	41.6
%RSD	.22510	1.6334	.62984
#1	7193.7	80817.	6575.5
#2	7170.9	82706.	6634.3

Sample Name: X Acquired: 11/14/2013 14:42:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00954**	**.10795**	**.01591**	**.09893**	**.01002**	**.00100**	**.11283**	**.21928**	**.00507**	**.01059**	**.01066**	**.01536**	**.10177**
Stddev	.00060	.00200	.00035	.00023	.00009	.00005	.00010	.00195	.00020	.00010	.00006	.00036	.00172
%RSD	6.2866	1.8552	2.2244	.23739	.94544	5.1321	.08717	.88755	3.9870	.98626	.55258	2.3264	1.6856
#1	.00997	.10936	.01616	.09910	.00995	.00096	.11276	.22066	.00521	.01051	.01070	.01511	.10056
#2	.00912	.10653	.01566	.09877	.01008	.00103	.11290	.21791	.00493	.01066	.01062	.01562	.10298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0596**	**.01176**	**.20896**	**.01034**	**.01995**	**1.1018**	**.04204**	**2.8620**	**.01012**	**.00254**	F **.01423**	**.01349**	**.50408**
Stddev	.0179	.00141	.00170	.00006	.00029	.0095	.00053	.0041	.00044	.00369	.00262	.00205	.00460
%RSD	.58518	12.029	.81140	.60125	1.4394	.85942	1.2675	.14180	4.3410	145.59	18.397	15.215	.91296
#1	3.0722	.01076	.20776	.01030	.01975	1.1085	.04166	2.8591	.00981	-.00007	.01238	.01495	.50083
#2	3.0469	.01276	.21016	.01038	.02015	1.0951	.04241	2.8648	.01043	.00515	.01608	.01204	.50733
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
Value											.01000		
Range											30.000%		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0787**	**.10223**	**.01013**	**.01462**	**.01012**	**.01708**	**.07800**	**.01002**	**.02400**	**.01518**
Stddev	.0098	.00070	.00010	.00153	.00023	.00031	.03027	.00013	.00044	.00044
%RSD	.91296	.68885	1.0007	10.469	2.2431	1.8356	38.813	1.2903	1.8300	2.8950
#1	1.0718	.10273	.01020	.01570	.01028	.01686	.05659	.01011	.02369	.01549
#2	1.0857	.10173	.01006	.01354	.00996	.01730	.09940	.00993	.02431	.01487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7050.8**	**81695.**	**6571.8**
Stddev	13.2	46.	24.4
%RSD	.18685	.05678	.37139
#1	7041.4	81728.	6554.6
#2	7060.1	81663.	6589.1

Sample Name: ICVL2379751 Acquired: 11/14/2013 15:04:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	**.10529**	**.01448**	**.09941**	**.01049**	**.00089**	**.11144**	**.21135**	**.00496**	**.01014**	**.01025**	**.01510**	**.09989**
Stddev	.00012	.00057	.00088	.00042	.00017	.00005	.00192	.00057	.00013	.00008	.00028	.00059	.00221
%RSD	1.1756	.54340	6.0943	.42188	1.6274	5.5955	1.7264	.26812	2.6767	.81147	2.7294	3.8795	2.2092
#1	.01030	.10488	.01510	.09971	.01037	.00092	.11280	.21176	.00506	.01019	.01045	.01552	.10145
#2	.01013	.10569	.01385	.09912	.01061	.00085	.11008	.21095	.00487	.01008	.01005	.01469	.09833
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9805**	**.01025**	**.20559**	**.01021**	**.02032**	**.99075**	**.04138**	**2.9570**	**.00885**	**-.00030**	**.00985**	**.01605**	**.50383**
Stddev	.0099	.00140	.00128	.00002	.00006	.00309	.00008	.0078	.00073	.00156	.00045	.00072	.01143
%RSD	.33220	13.655	.62421	.21346	.28087	.31144	.19450	.26342	8.2066	520.11	4.5853	4.4759	2.2685
#1	2.9735	.01124	.20650	.01020	.02028	.98857	.04143	2.9515	.00833	.00080	.01017	.01554	.51191
#2	2.9875	.00926	.20468	.01023	.02036	.99293	.04132	2.9625	.00936	-.00141	.00953	.01656	.49574
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0782**	**.10627**	**.01004**	**.01431**	**.01031**	**.01626**	F **.10968**	**.00985**	**.02065**	**.01319**
Stddev	.0245	.00065	.00000	.00051	.00028	.00011	.00384	.00059	.00043	.00055
%RSD	2.2685	.61378	.00908	3.5802	2.6921	.68189	3.5031	5.9482	2.0922	4.1903
#1	1.0955	.10581	.01004	.01468	.01012	.01634	.11239	.01027	.02034	.01358
#2	1.0609	.10673	.01003	.01395	.01051	.01618	.10696	.00944	.02095	.01280
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7062.6**	**82067.**	**6574.5**
Stddev	12.1	265.	63.7
%RSD	.17166	.32319	.96815
#1	7054.0	82255.	6619.5
#2	7071.2	81880.	6529.5

Sample Name: ICVL2379751 Acquired: 11/14/2013 15:07:05 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.10587**	**.01435**	**.10101**	**.01020**	**.00103**	**.11045**	**.21728**	**.00508**	**.01049**	**.01036**	**.01512**	**.10247**
Stddev	.00016	.00127	.00381	.00059	.00007	.00003	.00074	.00111	.00014	.00014	.00002	.00056	.00028
%RSD	1.5947	1.1981	26.583	.58398	.69115	3.2415	.67260	.51235	2.7589	1.3039	.18085	3.6884	.27807
#1	.00999	.10497	.01165	.10059	.01025	.00105	.10993	.21649	.00517	.01039	.01038	.01473	.10227
#2	.01022	.10676	.01705	.10143	.01015	.00100	.11098	.21807	.00498	.01059	.01035	.01552	.10267
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0601**	**.01279**	**.20783**	**.01044**	**.02042**	**1.0311**	**.04188**	**2.9834**	**.00840**	**-.00114**	**.01182**	**.01306**	**.49704**
Stddev	.0308	.00178	.00030	.00010	.00014	.0024	.00031	.0056	.00088	.00028	.00035	.00156	.00733
%RSD	1.0080	13.907	.14378	.98920	.67313	.23588	.73277	.18665	10.513	24.816	2.9314	11.978	1.4739
#1	3.0383	.01405	.20762	.01036	.02033	1.0328	.04209	2.9795	.00778	-.00094	.01206	.01416	.50222
#2	3.0819	.01153	.20804	.01051	.02052	1.0294	.04166	2.9874	.00902	-.00134	.01157	.01195	.49186
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0637**	**.10709**	**.01001**	**.01640**	**.00994**	**.01574**	F **.02374**	**.01036**	**.02138**	**.01474**
Stddev	.0157	.00039	.00001	.00004	.00026	.00021	.00039	.00024	.00030	.00058
%RSD	1.4739	.36884	.08868	.24779	2.6378	1.3172	1.6515	2.3651	1.4261	3.9655
#1	1.0747	.10737	.01002	.01637	.00976	.01560	.02401	.01053	.02117	.01433
#2	1.0526	.10681	.01001	.01643	.01013	.01589	.02346	.01019	.02160	.01516
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.8**	**81165.**	**6501.0**
Stddev	5.7	23.	6.1
%RSD	.08009	.02870	.09427
#1	7061.8	81182.	6496.7
#2	7053.8	81149.	6505.4

Sample Name: CCVH-2372891 Acquired: 11/14/2013 15:16:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00185**	**50.033**	**-.00143**	**-.00026**	**.00039**	**-.00009**	**.98528**	**.01987**	**.00056**	**-.00073**	**.00020**	**-.00267**	**49.782**
Stddev	.00014	.063	.00011	.00039	.00001	.00006	.00584	.00112	.00018	.00022	.00007	.00041	.157
%RSD	7.4582	.12561	7.4676	150.67	3.7446	66.131	.59287	5.6561	32.109	30.163	35.585	15.479	.31449
#1	-.00194	49.988	-.00136	-.00054	.00040	-.00013	.98941	.01907	.00044	-.00088	.00015	-.00296	49.671
#2	-.00175	50.077	-.00151	.00002	.00038	-.00005	.98115	.02066	.00069	-.00057	.00025	-.00238	49.892
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06345**	**.00055**	**.07588**	**-.00010**	**.00027**	**249.04**	**-.00066**	**.00232**	**-.00135**	**4.8944**	**.00076**	**-.00475**	**-.01432**
Stddev	.00598	.00010	.00031	.00005	.00001	.32	.00011	.00158	.00045	.0060	.00026	.00031	.00005
%RSD	9.4183	18.166	.40342	47.680	3.7035	.12881	16.611	67.828	33.502	.12176	33.717	6.4712	.37626
#1	.06768	.00048	.07609	-.00014	.00026	248.81	-.00058	.00344	-.00167	4.8987	.00094	-.00453	-.01435
#2	.05923	.00062	.07566	-.00007	.00027	249.27	-.00073	.00121	-.00103	4.8902	.00058	-.00497	-.01428
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.03063**	**-.00015**	**-.00002**	**4.9468**	**.00736**	**.00279**	F **7.5537**	**-.00006**	**.00129**	**-.05129**
Stddev	.00012	.00111	.00001	.0096	.00076	.00098	.1000	.00006	.00007	.00016
%RSD	.37626	740.56	34.907	.19436	10.389	35.207	1.3235	103.64	5.5053	.31552
#1	-.03072	-.00093	-.00001	4.9400	.00682	.00209	7.4830	-.00010	.00124	-.05141
#2	-.03055	.00063	-.00002	4.9536	.00790	.00348	7.6244	-.00002	.00134	-.05118
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.1**	**78773.**	**6454.2**
Stddev	17.8	120.	47.7
%RSD	.25774	.15260	.73914
#1	6906.5	78688.	6487.9
#2	6931.7	78858.	6420.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 15:18:24 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49133**	**.50635**	**.96232**	**.48375**	**.48774**	**.48109**	**-.01342**	**4.8817**	**.48569**	**.49486**	**.49590**	**.48871**	**2.4719**
Stddev	.00117	.00192	.00189	.00285	.00462	.00325	.00035	.0074	.00265	.00059	.00041	.00294	.0257
%RSD	.23774	.37958	.19681	.58847	.94656	.67528	2.6171	.15216	.54619	.11928	.08246	.60102	1.0381
#1	.49050	.50771	.96099	.48174	.48448	.47880	-.01367	4.8765	.48382	.49444	.49619	.48663	2.4538
#2	.49215	.50499	.96366	.48576	.49101	.48339	-.01317	4.8870	.48757	.49528	.49561	.49079	2.4901
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.192**	**.96667**	**19.543**	**.49287**	**.49691**	**4.9555**	**.49654**	**.96323**	**.99174**	**-.00297**	**.98181**	**.96335**	**4.8559**
Stddev	.434	.00615	.035	.00025	.00073	.0380	.00041	.00139	.00325	.00072	.00190	.00688	.0690
%RSD	.90106	.63628	.17914	.05034	.14606	.76713	.08225	.14468	.32791	24.213	.19350	.71370	1.4204
#1	47.885	.96232	19.568	.49269	.49742	4.9286	.49683	.96421	.99404	-.00246	.98047	.95849	4.8072
#2	48.499	.97101	19.518	.49304	.49640	4.9823	.49626	.96224	.98945	-.00348	.98315	.96821	4.9047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.392**	**.98475**	**.48629**	**.00176**	**.48872**	**.99596**	**.00576**	**.48746**	**.49489**	**.48463**
Stddev	.148	.00138	.00508	.00177	.00052	.00034	.03950	.00044	.00020	.00509
%RSD	1.4204	.13983	1.0444	100.11	.10693	.03412	685.34	.09003	.04125	1.0506
#1	10.287	.98378	.48270	.00301	.48909	.99572	-.02217	.48777	.49504	.48103
#2	10.496	.98573	.48989	.00052	.48835	.99620	.03370	.48715	.49475	.48823
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7056.4**	**80339.**	**6558.8**
Stddev	59.9	529.	34.9
%RSD	.84873	.65843	.53266
#1	7014.1	79965.	6583.5
#2	7098.8	80713.	6534.1

Sample Name: X Acquired: 11/14/2013 15:20:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00127**	**-.00213**	**.00084**	**.00024**	**.00012**	**.00295**	**.00798**	**.00003**	**-.00005**	**.00005**	**.00000**
Stddev	.00022	.00094	.00048	.00007	.00037	.00006	.00134	.00370	.00004	.00010	.00002	.00021
%RSD	123.51	73.552	22.520	8.3707	150.67	53.933	45.529	46.380	115.07	185.87	34.579	8104.9
#1	.00033	.00193	-.00179	.00089	-.00002	.00007	.00200	.01060	.00006	.00002	.00004	-.00015
#2	.00002	.00061	-.00247	.00079	.00051	.00017	.00390	.00537	.00001	-.00012	.00007	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00428**	**.07594**	**.00050**	**.00226**	**.00005**	**.00035**	**.05391**	**-.00008**	**-.00186**	**.00074**	**-.00136**	W **.00528**
Stddev	.00237	.03168	.00005	.00010	.00002	.00005	.00082	.00016	.00021	.00084	.00027	.00001
%RSD	55.353	41.714	9.6627	4.5092	43.603	14.470	1.5252	206.37	11.468	113.77	20.052	.20966
#1	.00261	.09834	.00054	.00233	.00007	.00032	.05333	-.00019	-.00201	.00133	-.00117	.00529
#2	.00596	.05354	.00047	.00219	.00004	.00039	.05449	.00003	-.00171	.00014	-.00155	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00172**	**.00795**	**.01701**	**-.00017**	**.00002**	**.00188**	**.00032**	**.00077**	**-.01713**	**.00009**	**.00212**	**.00118**
Stddev	.00007	.02144	.04588	.00059	.00005	.00023	.00009	.00015	.00758	.00012	.00045	.00059
%RSD	4.1375	269.77	269.77	340.24	204.65	12.350	28.590	19.351	44.223	129.22	21.297	50.243
#1	-.00177	.02311	.04945	-.00059	.00006	.00171	.00038	.00066	-.02249	.00001	.00180	.00076
#2	-.00167	-.00721	-.01544	.00025	-.00001	.00204	.00025	.00088	-.01178	.00018	.00244	.00160
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7081.0**	**82043.**	**6553.1**
Stddev	14.7	624.	35.3
%RSD	.20794	.76025	.53840
#1	7091.4	82484.	6578.1
#2	7070.6	81602.	6528.2

Sample Name: ICB Acquired: 11/14/2013 15:24:13 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**-.00037**	**.00003**	**-.00016**	**.00027**	**-.00003**	**.00377**	**.00181**	**-.00022**	**.00003**	**-.00012**	**-.00002**	**-.00145**
Stddev	.00042	.00004	.00006	.00012	.00043	.00005	.00120	.00303	.00008	.00003	.00007	.00007	.00050
%RSD	80.104	11.805	199.76	73.904	160.84	133.58	31.966	167.35	34.533	105.07	54.869	428.76	34.590
#1	-.00083	-.00034	.00008	-.00007	.00057	.00000	.00462	-.00033	-.00017	.00005	-.00017	.00003	-.00180
#2	-.00023	-.00040	-.00001	-.00024	-.00004	-.00007	.00292	.00395	-.00027	.00001	-.00007	-.00007	-.00109
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00512**	**.00127**	**.00016**	**-.00001**	**-.00036**	**.00846**	**-.00002**	**.00230**	**-.00110**	**.00078**	**.00016**	**-.00067**	**-.00236**
Stddev	.07651	.00083	.00029	.00001	.00024	.00811	.00013	.00045	.00024	.00351	.00015	.00318	.00389
%RSD	1493.2	65.142	181.96	97.586	66.676	95.811	539.48	19.508	22.210	449.68	92.146	476.26	164.72
#1	.05922	.00068	.00037	.00000	-.00019	.00273	.00007	.00262	-.00127	.00326	.00006	-.00291	.00039
#2	-.04897	.00185	-.00005	-.00001	-.00054	.01420	-.00012	.00198	-.00093	-.00170	.00027	.00158	-.00511
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00505**	**-.00050**	**-.00014**	**.00164**	**.00002**	**.00040**	**-.02345**	**-.00039**	**.00064**	**-.00010**
Stddev	.00832	.00041	.00007	.00157	.00049	.00098	.00377	.00002	.00047	.00191
%RSD	164.72	81.130	53.634	95.842	1983.0	243.14	16.071	6.2291	73.012	1826.2
#1	.00083	-.00079	-.00008	.00053	.00037	-.00029	-.02079	-.00037	.00097	.00125
#2	-.01094	-.00022	-.00019	.00276	-.00032	.00110	-.02612	-.00040	.00031	-.00146
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.9**	**82752.**	**6601.0**
Stddev	5.5	117.	104.3
%RSD	.07753	.14172	1.5800
#1	7102.8	82669.	6674.7
#2	7095.0	82835.	6527.2

Sample Name: CRI-2379747 Acquired: 11/14/2013 15:26:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00994**	**.10228**	**.00886**	**.09474**	**.00501**	**.00099**	**.11006**	**.19861**	**.00470**	**.00508**	**.01011**	**.01028**
Stddev	.00040	.00089	.00234	.00135	.00021	.00006	.00076	.00537	.00031	.00024	.00006	.00114
%RSD	4.0348	.87453	26.426	1.4248	4.1875	6.3554	.68972	2.7063	6.6766	4.7317	.63444	11.077
#1	.00965	.10291	.01051	.09569	.00486	.00103	.11060	.20241	.00492	.00525	.01015	.01108
#2	.01022	.10164	.00720	.09378	.00516	.00094	.10953	.19481	.00448	.00491	.01006	.00947
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02893**	**1.0066**	**.01063**	**.19614**	**.00306**	**.00954**	**.98009**	**.01019**	**.92434**	**.00265**	**.09324**	**.00849**
Stddev	.00064	.0197	.00289	.00669	.00002	.00010	.00493	.00009	.00778	.00053	.00076	.00023
%RSD	2.2123	1.9583	27.182	3.4114	.81408	1.0939	.50318	.86163	.84212	19.904	.81062	2.7328
#1	.02938	.99270	.00859	.19141	.00305	.00946	.98358	.01013	.92985	.00228	.09271	.00833
#2	.02847	1.0206	.01267	.20087	.00308	.00961	.97660	.01026	.91884	.00303	.09377	.00866
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **.00635**	**.47639**	**1.0195**	**.01941**	**.00480**	W **.00509**	**.00983**	**.01178**	**.06409**	**.00915**	W **.01312**	**.00941**
Stddev	.00162	.00651	.0139	.00031	.00005	.00019	.00002	.00061	.00938	.00028	.00039	.00063
%RSD	25.496	1.3671	1.3671	1.6052	1.0561	3.7990	.17207	5.1915	14.636	3.0375	2.9656	6.6737
#1	.00521	.47179	1.0096	.01919	.00484	.00495	.00984	.01221	.05746	.00895	.01285	.00985
#2	.00750	.48100	1.0293	.01963	.00476	.00522	.00982	.01135	.07073	.00934	.01340	.00897
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
Value	.01000					.01000					.01000	
Range	-20.490%					-20.490%					20.490%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7266.7**	**83234.**	**6632.4**
Stddev	16.2	743.	9.7
%RSD	.22290	.89293	.14563
#1	7255.2	83760.	6625.6
#2	7278.1	82709.	6639.3

Sample Name: CRI-2381867 Acquired: 11/14/2013 15:37:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**-.00027**	**.00076**	**-.00060**	**.00040**	**.00002**	**.00332**	**.00035**	**-.00023**	**-.00020**
Stddev	.00013	.00034	.00013	.00029	.00028	.00005	.00110	.00687	.00021	.00027
%RSD	40.295	125.69	17.325	49.009	69.200	278.23	33.212	1954.1	89.094	133.02
#1	-.00040	-.00051	.00067	-.00039	.00059	.00005	.00254	.00521	-.00038	-.00001
#2	-.00022	-.00003	.00086	-.00080	.00020	-.00002	.00410	-.00451	-.00009	-.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00022**	**.00059**	**.02191**	**.00089**	**.00194**	**.00002**	**-.00023**	**.01335**	**-.00014**
Stddev	.00001	.00069	.00168	.04250	.00236	.00169	.00003	.00011	.00060	.00001
%RSD	124.92	314.23	286.86	193.97	264.72	87.086	134.21	45.315	4.4684	7.8752
#1	.00000	.00027	-.00060	-.00814	.00256	.00074	.00005	-.00016	.01293	-.00013
#2	-.00001	-.00071	.00178	.05196	-.00078	.00313	.00000	-.00031	.01377	-.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**-.00022**	**.00123**	**.00107**	**.01146**	**.01712**	**.03664**	**-.00059**	**-.00005**	**.00083**
Stddev	.00101	.00005	.00092	.00153	.00123	.01169	.02502	.00005	.00002	.00205
%RSD	124.97	20.490	74.604	143.24	10.722	68.289	68.289	8.0296	48.697	248.01
#1	-.00152	-.00019	.00188	-.00001	.01233	.00885	.01895	-.00056	-.00006	-.00062
#2	-.00009	-.00025	.00058	.00214	.01059	.02539	.05434	-.00063	-.00003	.00228
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00150**	**-.01417**	**.00022**	**.01979**	**.00012**
Stddev	.00008	.00049	.04008	.00045	.00075	.00088
%RSD	88.741	32.599	282.88	206.10	3.8072	719.37
#1	-.00003	.00115	.01417	-.00010	.01925	.00074
#2	-.00015	.00185	-.04251	.00053	.02032	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7108.9**	**82964.**	**6586.1**
Stddev	26.2	160.	15.2
%RSD	.36797	.19332	.23068
#1	7127.4	82851.	6575.4
#2	7090.4	83078.	6596.9

Sample Name: CRI-2381868 Acquired: 11/14/2013 15:55:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00032**	**-.00196**	**-.00095**	**.00019**	**-.00005**	**.00465**	**.00627**	**-.00010**	**-.00003**
Stddev	.00108	.00018	.00011	.00043	.00030	.00002	.00110	.00151	.00006	.00013
%RSD	2285.3	55.359	5.8174	44.959	162.66	41.183	23.676	24.073	60.904	449.29
#1	.00072	-.00045	-.00188	-.00065	.00040	-.00003	.00543	.00733	-.00006	.00006
#2	-.00081	-.00020	-.00204	-.00125	-.00003	-.00006	.00387	.00520	-.00015	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00023**	**.00074**	**.01573**	**.00288**	**-.00209**	**.00007**	**.00004**	**.01052**	**-.00003**
Stddev	.00008	.00017	.00112	.02258	.00015	.00186	.00004	.00002	.00381	.00005
%RSD	4915.5	72.168	151.48	143.58	5.0528	88.710	47.594	49.554	36.197	154.14
#1	-.00005	.00011	-.00005	-.00024	.00278	-.00078	.00005	.00003	.01321	.00000
#2	.00006	.00035	.00153	.03170	.00298	-.00341	.00010	.00006	.00783	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00032**	**-.00194**	**.00074**	**.02069**	**.00204**	**.00436**	**-.00080**	**-.00009**	**.00063**
Stddev	.00027	.00066	.00051	.00169	.00060	.01935	.04140	.00051	.00004	.00138
%RSD	466.21	206.77	26.540	229.21	2.8989	949.55	949.55	63.392	46.036	218.73
#1	-.00025	-.00079	-.00157	.00194	.02112	.01572	.03363	-.00044	-.00006	-.00035
#2	.00013	.00015	-.00230	-.00046	.02027	-.01164	-.02491	-.00116	-.00012	.00161
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00179**	**-.01232**	**-.00019**	**.00142**	**.00050**
Stddev	.00017	.00142	.05186	.00014	.00008	.00027
%RSD	107.61	79.723	420.84	70.397	5.4280	54.443
#1	-.00027	.00279	.02435	-.00010	.00137	.00031
#2	-.00004	.00078	-.04899	-.00029	.00148	.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7145.1**	**83492.**	**6674.3**
Stddev	34.8	152.	90.8
%RSD	.48763	.18202	1.3606
#1	7120.4	83384.	6738.5
#2	7169.7	83599.	6610.1

Sample Name: ICSA-2341463 Acquired: 11/14/2013 15:59:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00043**	**496.16**	**-.00763**	**.00023**	**.00027**	**-.00007**	**-.00693**	**451.49**	W **.00191**	**-.00011**	W **.00285**
Stddev	.00008	.28	.00224	.00052	.00011	.00002	.00202	3.16	.00016	.00006	.00001
%RSD	19.008	.05575	29.318	224.86	41.458	27.795	29.161	.70011	8.4500	58.817	.48152
#1	.00037	495.97	-.00921	.00060	.00019	-.00006	-.00836	453.73	.00179	-.00006	.00286
#2	.00049	496.36	-.00605	-.00014	.00035	-.00009	-.00550	449.26	.00202	-.00015	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn
High Limit									.00080		.00186
Low Limit									-.00080		-.00186

Elem	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00219**	**183.56**	**.02629**	W **.00736**	**486.32**	W **.00076**	**.00012**	**.04451**	**-.00070**	**-.00323**	**.00426**
Stddev	.00017	.45	.03177	.00122	.86	.00001	.00033	.00958	.00017	.00125	.00058
%RSD	7.9919	.24730	120.84	16.544	.17762	1.7868	263.28	21.520	24.806	38.842	13.700
#1	.00206	183.88	.04875	.00650	486.93	.00077	-.00011	.03774	-.00058	-.00412	.00467
#2	.00231	183.24	.00383	.00822	485.71	.00075	.00036	.05128	-.00083	-.00234	.00384
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00522		.00050					
Low Limit				-.00522		-.00050					

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.04620**	W **.00678**	**.00731**	W **.01265**	**.02708**	**.00185**	W **.01476**	**.00422**	**-.00099**	**-.00408**	**-.08598**
Stddev	.00116	.00172	.00020	.00893	.01911	.00019	.00003	.00147	.00011	.00084	.05335
%RSD	2.5155	25.394	2.7847	70.575	70.575	10.153	.17942	34.951	11.198	20.569	62.045
#1	-.04537	.00800	.00716	.00634	.01356	.00172	.01478	.00318	-.00107	-.00468	-.04826
#2	-.04702	.00556	.00745	.01897	.04059	.00198	.01474	.00526	-.00091	-.00349	-.12370
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628		.00694			.00050				
Low Limit		-.00628		-.06940			-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	W **-.00761**	**-.00151**	**-.00071**
Stddev	.00013	.00028	.00065
%RSD	1.7242	18.326	91.249
#1	-.00770	-.00132	-.00025
#2	-.00751	-.00171	-.00116
Check ?	Chk Warn	Chk Pass	Chk Pass
High Limit	.00222		
Low Limit	-.00222		

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6477.2**	**72083.**	**6587.1**
Stddev	6.7	116.	12.7
%RSD	.10308	.16058	.19300
#1	6472.5	72001.	6596.1
#2	6481.9	72164.	6578.1

Sample Name: ICSAB-2363707 Acquired: 11/14/2013 16:02:13 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0891**	**495.82**	**1.9756**	**1.8879**	**.49172**	**.47229**	**.95456**	**460.33**	**1.0030**	**.45724**	**.48380**	**.53364**	**183.21**
Stddev	.0003	2.40	.0021	.0062	.00212	.00119	.00093	13.76	.0018	.00000	.00039	.00156	.03
%RSD	.02604	.48350	.10690	.33077	.43175	.25142	.09734	2.9900	.18034	.00062	.08066	.29232	.01424
#1	1.0889	497.51	1.9741	1.8835	.49322	.47312	.95390	470.06	1.0017	.45724	.48408	.53254	183.23
#2	1.0893	494.12	1.9771	1.8923	.49021	.47145	.95521	450.60	1.0043	.45724	.48353	.53474	183.19
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.504**	**1.0379**	**486.72**	**.48867**	**.94747**	**51.436**	**.90242**	**1.9123**	**.89650**	**.92943**	**.99814**	**4.7524**	**9.5996**
Stddev	.301	.0020	2.72	.00045	.00161	.139	.00020	.0063	.00093	.00457	.00409	.0076	.0211
%RSD	.58381	.18841	.55920	.09280	.16944	.27008	.02214	.32868	.10393	.49154	.40997	.15904	.21948
#1	51.717	1.0393	484.80	.48899	.94861	51.338	.90256	1.9079	.89584	.93266	1.0010	4.7471	9.5847
#2	51.292	1.0366	488.64	.48835	.94634	51.534	.90228	1.9168	.89716	.92620	.99524	4.7578	9.6145
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**20.543**	**8.8371**	**.98475**	**2.0205**	**.98014**	**8.1893**	**-.00583**	**.48499**	**.94331**	**.93376**
Stddev	.045	.0099	.00415	.0024	.00096	.0108	.01259	.00167	.00142	.00086
%RSD	.21948	.11168	.42184	.12026	.09760	.13189	215.82	.34342	.15003	.09158
#1	20.511	8.8440	.98768	2.0188	.98082	8.1970	.00307	.48381	.94431	.93315
#2	20.575	8.8301	.98181	2.0223	.97946	8.1817	-.01473	.48617	.94231	.93436
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6502.0**	**72055.**	**6511.9**
Stddev	40.5	291.	38.8
%RSD	.62277	.40448	.59557
#1	6473.4	71849.	6484.5
#2	6530.6	72261.	6539.4

Sample Name: LRA-2305343 Acquired: 11/14/2013 16:04:31 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1.2848**	**.31012**	**9.9699**	**9.6336**	**12.163**	**.00027**	**-.36930**	**.05304**	**2.0091**	**4.9870**	**10.203**	**10.305**	R **505.26**
Stddev	.0106	.03459	.0464	.0069	.039	.00001	.00597	.01953	.0032	.0064	.010	.021	.15
%RSD	.82083	11.154	.46587	.07178	.31671	4.3140	1.6165	36.825	.16105	.12917	.09593	.20480	.02927
#1	1.2922	.28566	10.003	9.6384	12.190	.00026	-.37352	.06685	2.0114	4.9916	10.210	10.290	505.36
#2	1.2773	.33458	9.9370	9.6287	12.136	.00028	-.36507	.03923	2.0068	4.9825	10.197	10.320	505.15
Check ?	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass	None	None	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	2.0000												
Range	-10.000%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.10818**	**.00007**	**.06852**	**9.6543**	**5.0093**	**.02418**	**10.180**	**.00183**	**10.061**	**-.08363**	**-.11313**	**4.9249**	**48.154**
Stddev	.00349	.00097	.02752	.1438	.0105	.01482	.011	.00111	.021	.00240	.00096	.0153	.015
%RSD	3.2237	1437.5	40.157	1.4893	.20900	61.301	.10579	60.670	.21119	2.8716	.85290	.30981	.03159
#1	-.10571	-.00062	.08798	9.5526	5.0167	.03466	10.188	.00261	10.076	-.08533	-.11244	4.9141	48.144
#2	-.11064	.00075	.04906	9.7560	5.0019	.01370	10.172	.00104	10.046	-.08193	-.11381	4.9357	48.165
Check ?	None	None	None	Chk Pass	None	None	Chk Pass	None	Chk Pass	None	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**103.05**	**.01919**	**10.175**	**-.00635**	**9.9122**	**4.8608**	**-.00908**	**9.8729**	**9.6476**	**.00351**
Stddev	.03	.00028	.164	.00009	.0167	.0075	.03148	.0300	.0110	.00203
%RSD	.03159	1.4642	1.6124	1.4745	.16876	.15475	346.79	.30415	.11350	57.697
#1	103.03	.01899	10.059	-.00629	9.9004	4.8661	-.03134	9.8517	9.6398	.00495
#2	103.07	.01939	10.291	-.00642	9.9241	4.8554	.01318	9.8942	9.6553	.00208
Check ?	None	None	Chk Pass	None	Chk Pass	None	None	Chk Pass	Chk Pass	None
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7002.9**	**81449.**	**6661.5**
Stddev	12.3	35.	45.5
%RSD	.17502	.04278	.68228
#1	6994.2	81424.	6693.7
#2	7011.6	81473.	6629.4

Sample Name: CCVH-2372891 Acquired: 11/14/2013 16:07:37 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00252**	**50.047**	**.00061**	**.02569**	**.00113**	**-.00002**	**1.0077**	**.02396**	**.00083**	**-.00040**	**.00126**	**-.00240**	**50.052**
Stddev	.00056	.189	.00119	.00367	.00005	.00004	.0017	.00326	.00042	.00055	.00093	.00040	.213
%RSD	22.371	.37828	193.28	14.283	4.6296	234.19	.17068	13.605	51.318	135.79	74.284	16.441	.42492
#1	-.00292	50.181	.00145	.02829	.00116	.00001	1.0064	.02166	.00113	-.00002	.00192	-.00212	49.902
#2	-.00212	49.913	-.00023	.02310	.00109	-.00005	1.0089	.02627	.00053	-.00079	.00060	-.00268	50.202
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06392**	**.00229**	**.08030**	**.00026**	**.00151**	**250.95**	**.00002**	**.00229**	**.00064**	**4.9719**	**.00192**	**-.00164**	**.02986**
Stddev	.01130	.00085	.00262	.00021	.00055	.49	.00094	.00032	.00033	.0048	.00137	.00113	.01841
%RSD	17.674	37.222	3.2638	84.165	36.484	.19505	5281.3	13.932	51.185	.09582	71.112	68.640	61.655
#1	.05593	.00289	.07844	.00041	.00190	251.29	.00068	.00252	.00041	4.9685	.00289	-.00244	.04287
#2	.07191	.00168	.08215	.00010	.00112	250.60	-.00065	.00207	.00087	4.9752	.00096	-.00085	.01684
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06389**	**.00001**	**.00049**	**4.9518**	**.00881**	**.00327**	F **7.7021**	**.00013**	**.00222**	**-.05000**
Stddev	.03939	.00029	.00012	.0089	.00001	.00085	.0777	.00002	.00038	.00045
%RSD	61.655	4451.8	25.349	.17924	.14600	25.943	1.0085	18.125	17.164	.90554
#1	.09175	.00021	.00058	4.9581	.00882	.00387	7.7570	.00012	.00249	-.05032
#2	.03604	-.00020	.00040	4.9455	.00880	.00267	7.6472	.00015	.00195	-.04968
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7023.4**	**79943.**	**6659.3**
Stddev	2.7	99.	17.3
%RSD	.03814	.12433	.25959
#1	7025.3	80013.	6671.6
#2	7021.5	79872.	6647.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 16:09:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49600**	**.51103**	**.98263**	**.50479**	**.49292**	**.48492**	**-.01405**	**4.8763**	**.48833**	**.49660**	**.50118**	**.49382**	**2.4967**
Stddev	.00284	.00010	.00098	.00078	.00001	.00145	.00311	.0180	.00087	.00005	.00118	.00130	.0059
%RSD	.57266	.01962	.09931	.15448	.00276	.29960	22.173	.36882	.17777	.01039	.23529	.26409	.23606
#1	.49399	.51096	.98332	.50535	.49291	.48594	-.01184	4.8890	.48771	.49664	.50201	.49289	2.5008
#2	.49801	.51110	.98194	.50424	.49293	.48389	-.01625	4.8635	.48894	.49657	.50034	.49474	2.4925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.405**	**.97070**	**19.511**	**.48853**	**.50390**	**4.9600**	**.50406**	**.98294**	**.98994**	**-.00488**	**.99106**	**.98358**	**4.9456**
Stddev	.014	.00106	.015	.00028	.00111	.0491	.00205	.00112	.00425	.00036	.00185	.00166	.0405
%RSD	.02971	.10897	.07858	.05771	.21979	.99059	.40655	.11423	.42896	7.3700	.18705	.16890	.81864
#1	48.415	.97145	19.522	.48873	.50469	4.9947	.50262	.98374	.99294	-.00513	.98975	.98240	4.9170
#2	48.395	.96995	19.500	.48833	.50312	4.9253	.50551	.98215	.98694	-.00463	.99237	.98475	4.9742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.584**	**.99561**	**.49001**	**-.00045**	**.49264**	**.99605**	**-.00955**	**.48452**	**.49097**	**.49045**
Stddev	.087	.00109	.00090	.00079	.00092	.00052	.04620	.00043	.00043	.00066
%RSD	.81864	.10969	.18345	174.25	.18602	.05255	483.95	.08894	.08783	.13363
#1	10.522	.99638	.49064	.00011	.49199	.99568	-.04221	.48422	.49066	.48999
#2	10.645	.99484	.48937	-.00102	.49329	.99642	.02312	.48483	.49127	.49091
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.5**	**81752.**	**6702.3**
Stddev	5.9	66.	5.2
%RSD	.08271	.08127	.07761
#1	7109.3	81799.	6706.0
#2	7117.6	81705.	6698.6

Sample Name: CCB Acquired: 11/14/2013 16:12:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00220**	**-.00180**	F **.00943**	**.00051**	**-.00002**	**.00372**	**.00347**	**.00000**	**.00007**	**.00007**	**.00042**
Stddev	.00029	.00089	.00200	.00110	.00039	.00009	.00048	.00246	.0001	.00005	.00008	.00021
%RSD	585.60	40.645	111.15	11.693	75.503	411.32	13.026	70.850	2586.2	61.696	127.40	49.878
#1	.00016	.00283	-.00038	.01021	.00024	-.00009	.00338	.00173	.00007	.00004	.00012	.00027
#2	-.00025	.00157	-.00321	.00865	.00079	.00004	.00406	.00521	-.00008	.00011	.00001	.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				.00700								
Low Limit				-.00700								

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00585**	**.04749**	**.00253**	**.00815**	W **.00026**	**.00029**	**.02400**	**.00009**	**-.00056**	**-.00009**	**-.00134**	W **.00506**
Stddev	.00123	.01936	.00015	.00147	.00008	.00016	.01527	.00018	.00023	.00096	.00010	.00076
%RSD	21.071	40.769	5.7723	17.978	31.560	53.937	63.613	193.72	42.141	1121.0	7.3592	15.077
#1	.00497	.03380	.00263	.00919	.00032	.00018	.03480	.00022	-.00072	.00060	-.00141	.00452
#2	.00672	.06118	.00243	.00712	.00020	.00040	.01321	-.00003	-.00039	-.00077	-.00127	.00560
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit					.00025							.00314
Low Limit					-.00025							-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00156**	**.01789**	**.03828**	**-.00027**	**.00004**	**.00241**	**.00039**	**.00174**	**-.02842**	**.00057**	**.00256**	**-.00033**
Stddev	.00247	.00394	.00842	.00035	.00003	.00065	.00008	.00111	.02274	.00022	.00003	.00096
%RSD	158.29	22.004	22.004	127.92	83.225	27.110	21.374	63.915	80.025	39.567	1.0865	295.89
#1	.00331	.02067	.04423	-.00052	.00002	.00195	.00033	.00252	-.04450	.00041	.00258	-.00101
#2	-.00019	.01510	.03232	-.00003	.00006	.00288	.00044	.00095	-.01234	.00073	.00254	.00036
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.8**	**82008.**	**6685.5**
Stddev	10.4	525.	68.0
%RSD	.14778	.63959	1.0178
#1	7046.4	82379.	6637.4
#2	7061.1	81637.	6733.6

Sample Name: CCVL2379751 Acquired: 11/14/2013 16:14:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00990**	**.10867**	**.01537**	**.10478**	**.01023**	**.00102**	**.11441**	**.21856**	**.00504**	**.01038**	**.01055**	**.01508**	**.10601**	**2.9965**
Stddev	.00030	.00036	.00015	.00005	.00072	.00000	.00006	.00077	.00026	.00007	.00003	.00026	.00084	.0035
%RSD	3.0759	.33082	.98718	.04365	7.0501	.48054	.05086	.35035	5.1634	.62877	.25617	1.7279	.78776	.11564
#1	.00968	.10842	.01527	.10481	.01074	.00102	.11437	.21910	.00523	.01034	.01057	.01527	.10542	2.9990
#2	.01011	.10893	.01548	.10475	.00972	.00103	.11445	.21802	.00486	.01043	.01053	.01490	.10660	2.9941
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01061**	**.21392**	**.01036**	**.01980**	**1.0452**	**.04285**	**2.8847**	**.00941**	**.00059**	**.00980**	**.01783**	**.49134**	**1.0515**	**.10085**
Stddev	.00217	.00175	.00001	.00003	.0043	.00019	.0019	.00023	.00167	.00030	.00337	.02078	.0445	.00067
%RSD	20.433	.81635	.11113	.14689	.40660	.43716	.06763	2.4942	284.89	3.0956	18.910	4.2288	4.2288	.66289
#1	.00907	.21269	.01035	.01982	1.0422	.04298	2.8861	.00958	.00176	.01001	.02022	.47664	1.0200	.10133
#2	.01214	.21516	.01037	.01978	1.0482	.04272	2.8833	.00925	-.00059	.00958	.01545	.50603	1.0829	.10038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01010**	**.01546**	**.01023**	**.01660**	**.05572**	**.01014**	**.02484**	**.01476**
Stddev	.00002	.00055	.00042	.00032	.03494	.00030	.00007	.00100
%RSD	.22864	3.5598	4.1316	1.9504	62.714	2.9742	.27160	6.7635
#1	.01009	.01585	.01053	.01683	.03101	.00992	.02479	.01405
#2	.01012	.01507	.00993	.01637	.08043	.01035	.02489	.01546
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7145.9**	**82594.**	**6637.8**
Stddev	3.7	202.	24.8
%RSD	.05127	.24417	.37290
#1	7143.3	82451.	6620.3
#2	7148.5	82736.	6655.3

Sample Name: mb 280-198991/1-a Acquired: 11/14/2013 16:27:59 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00326**	**-.00068**	**-.00094**	**-.00081**	**-.00016**	**.00846**	**-.00193**	**-.00010**	**.00006**
Stddev	.00037	.00039	.00063	.00016	.00000	.00006	.00079	.00199	.00001	.00015
%RSD	65.142	11.827	92.897	16.462	.01295	37.829	9.2884	103.27	6.4061	256.37
#1	-.00084	.00353	-.00112	-.00105	-.00081	-.00020	.00790	-.00333	-.00011	-.00005
#2	-.00031	.00299	-.00023	-.00083	-.00081	-.00012	.00901	-.00052	-.00010	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**-.00273**	**-.00312**	**.00365**	**.00238**	**.00432**	**.00007**	**-.00019**	**-.00609**	**.00062**
Stddev	.00004	.00018	.00033	.01322	.00073	.00084	.00006	.00016	.00360	.00004
%RSD	21.439	6.4896	10.493	362.31	30.875	19.479	85.709	86.121	59.202	6.8291
#1	.00021	-.00286	-.00335	.01299	.00290	.00372	.00003	-.00007	-.00864	.00059
#2	.00015	-.00261	-.00289	-.00570	.00186	.00491	.00011	-.00030	-.00354	.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00002**	**-.00063**	**-.00154**	**-.00196**	**-.00430**	**-.00920**	**-.00114**	**-.00014**	W **.00557**
Stddev	.00084	.00006	.00106	.00013	.00102	.00449	.00961	.00019	.00002	.00061
%RSD	218.35	348.00	167.86	8.1172	51.881	104.49	104.49	16.258	12.480	10.910
#1	-.00098	-.00006	-.00138	-.00163	-.00124	-.00748	-.01600	-.00128	-.00012	.00514
#2	.00021	.00003	.00012	-.00146	-.00268	-.00112	-.00240	-.00101	-.00015	.00600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00500
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00225**	**-.01571**	**-.00073**	**.00033**	**.00177**
Stddev	.00001	.00002	.01809	.00016	.00000	.00136
%RSD	3.4290	.85167	115.20	21.842	.93867	76.510
#1	.00016	.00227	-.00291	-.00062	.00033	.00273
#2	.00015	.00224	-.02850	-.00085	.00033	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**12371.**	**136780.**	**12391.**
Stddev	100.	1135.	1165.
%RSD	.80876	.82941	9.3996
#1	12300.	137590.	13215.
#2	12442.	135980.	11567.

Sample Name: lcs 280-198991/2-a Acquired: 11/14/2013 16:30:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05078**	**1.9904**	**1.0081**	**1.0065**	**2.0346**	**.04990**	**2.0792**	**49.093**	**.10171**	**.50052**
Stddev	.00048	.0131	.0003	.0026	.0080	.00020	.0107	.189	.00035	.00004
%RSD	.94116	.65975	.02863	.25784	.39329	.40839	.51394	.38420	.34795	.00821
#1	.05044	1.9811	1.0083	1.0047	2.0403	.05004	2.0867	49.226	.10196	.50055
#2	.05112	1.9997	1.0079	1.0083	2.0290	.04975	2.0716	48.959	.10146	.50049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20805**	**.25508**	**1.0142**	**50.480**	**1.0157**	**50.346**	**.50047**	**1.0231**	**52.347**	**.50579**
Stddev	.00014	.00045	.0047	.394	.0056	.124	.00099	.0010	.876	.00102
%RSD	.06855	.17557	.45901	.78147	.55664	.24596	.19719	.10055	1.6737	.20079
#1	.20795	.25540	1.0175	50.759	1.0197	50.434	.50117	1.0224	52.966	.50507
#2	.20815	.25477	1.0109	50.201	1.0117	50.259	.49977	1.0238	51.727	.50651
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.250**	**.49264**	**-.00713**	**.50120**	**2.0084**	**10.063**	**21.535**	**2.0091**	**1.0122**	**1.0173**
Stddev	.031	.00039	.00308	.00091	.0098	.000	.001	.0030	.0031	.0024
%RSD	.30650	.07890	43.194	.18116	.48647	.00390	.00390	.14831	.30618	.23166
#1	10.228	.49291	-.00495	.50184	2.0153	10.063	21.535	2.0112	1.0144	1.0190
#2	10.272	.49236	-.00931	.50056	2.0015	10.063	21.534	2.0070	1.0100	1.0157
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0104**	**1.9606**	F **3.2140**	**.50751**	**.49817**	**.49095**
Stddev	.0022	.0069	.0557	.00033	.00055	.00293
%RSD	.21760	.35126	1.7340	.06465	.11055	.59732
#1	1.0119	1.9655	3.1746	.50728	.49856	.49302
#2	1.0088	1.9557	3.2534	.50774	.49778	.48887
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6869.8**	**79427.**	**6602.0**
Stddev	.4	223.	60.8
%RSD	.00552	.28040	.92088
#1	6870.1	79269.	6559.0
#2	6869.6	79584.	6645.0

Sample Name: 280-48662-e-4-a@10 Acquired: 11/14/2013 16:32:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00776**	**-.00051**	**.05860**	**.00225**	**.00005**	**.00283**	**7.7861**	**-.00022**	**-.00017**
Stddev	.00062	.00014	.00003	.00023	.00034	.00006	.00114	.0133	.00007	.00008
%RSD	319.07	1.7867	5.2889	.39267	14.957	117.56	40.310	.17083	30.033	47.339
#1	.00024	.00785	-.00053	.05877	.00249	.00009	.00203	7.7767	-.00017	-.00011
#2	-.00063	.00766	-.00049	.05844	.00202	.00001	.00364	7.7955	-.00027	-.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00066**	**.01497**	**.16147**	**.01271**	**1.6991**	**.00085**	**.00085**	**53.155**	**.00020**
Stddev	.00005	.00073	.00107	.01317	.00236	.0067	.00001	.00008	.036	.00011
%RSD	45.132	110.85	7.1690	8.1581	18.561	.39490	.84764	9.0790	.06773	53.438
#1	.00008	.00117	.01573	.15215	.01104	1.7039	.00084	.00090	53.129	.00012
#2	.00015	.00014	.01421	.17078	.01438	1.6944	.00085	.00079	53.180	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00284**	**-.00003**	**24.559**	**.00133**	**-.00071**	**.37788**	**.80867**	**.00162**	**.47777**	**.00172**
Stddev	.00049	.00055	.097	.00014	.00030	.01697	.03631	.00010	.00255	.00274
%RSD	17.103	1927.8	.39440	10.724	41.943	4.4903	4.4903	5.9970	.53460	159.90
#1	.00318	.00036	24.628	.00143	-.00050	.36588	.78299	.00169	.47597	-.00022
#2	.00250	-.00042	24.491	.00123	-.00092	.38988	.83435	.00155	.47958	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00219**	**-.04217**	**.00096**	**.00679**	**-.00010**
Stddev	.00053	.00003	.04863	.00026	.00011	.00008
%RSD	349.23	1.5775	115.31	26.700	1.5539	85.851
#1	-.00022	.00217	-.00779	.00114	.00686	-.00016
#2	.00053	.00222	-.07656	.00078	.00671	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6946.7**	**79430.**	**6492.9**
Stddev	19.1	302.	27.9
%RSD	.27469	.38064	.42932
#1	6933.2	79216.	6512.6
#2	6960.2	79644.	6473.2

Sample Name: 280-48662-e-4-aSD@50 Acquired: 11/14/2013 16:34:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00978**	**-.00154**	**.01192**	**.00039**	**.00003**	**.00503**	**1.5837**	**-.00020**	**-.00015**
Stddev	.00001	.00004	.00086	.00030	.00003	.00010	.00091	.0076	.00015	.00026
%RSD	10.060	.36557	55.770	2.4821	7.5612	296.62	18.204	.48306	74.668	169.58
#1	-.00014	.00980	-.00093	.01171	.00041	-.00004	.00438	1.5891	-.00009	.00003
#2	-.00012	.00975	-.00214	.01213	.00037	.00011	.00567	1.5783	-.00030	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00012**	**.01134**	**.03151**	**.00367**	**.34433**	**.00029**	**-.00008**	**10.274**	**11.023**
Stddev	.00015	.00012	.00213	.01158	.00095	.00443	.00003	.00018	.035	.353
%RSD	106.83	94.785	18.751	36.748	25.962	1.2864	8.9385	239.58	.34118	3.2047
#1	-.00004	-.00004	.00984	.02332	.00434	.34120	.00027	.00005	10.299	11.272
#2	-.00025	-.00021	.01285	.03969	.00300	.34746	.00031	-.00021	10.249	10.773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00124**	**-.00049**	**4.8180**	**.00020**	**.00195**	**.07697**	**.16472**	**.00172**	**.09641**
Stddev	.00013	.00033	.00028	.0109	.00080	.00013	.02326	.04977	.00021	.00155
%RSD	114.20	26.349	57.344	.22577	404.02	6.5619	30.217	30.217	12.350	1.6042
#1	.00021	.00101	-.00069	4.8103	-.00037	.00204	.06053	.12953	.00157	.09750
#2	.00002	.00147	-.00029	4.8257	.00076	.00186	.09342	.19992	.00187	.09532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00011**	**.00018**	W **-.05172**	**.00030**	**.00540**	**.00017**
Stddev	.00039	.00004	.00068	.01006	.00012	.00019	.00089
%RSD	25.125	39.780	378.12	19.451	37.824	3.5852	517.93
#1	.00128	-.00014	-.00030	-.04461	.00022	.00553	.00080
#2	.00183	-.00008	.00066	-.05884	.00039	.00526	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7029.0**	**81036.**	**6503.8**
Stddev	10.1	157.	5.5
%RSD	.14429	.19404	.08444
#1	7021.8	81147.	6499.9
#2	7036.2	80924.	6507.7

Sample Name: 48662-e-4-b ms@10 Acquired: 11/14/2013 16:37:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00476**	**.22063**	**.10184**	**.15736**	**.20520**	**.00495**	F **.21851**	**12.489**	**.01017**	**.05203**
Stddev	.00017	.00142	.00185	.00138	.00092	.00010	.00255	.029	.00000	.00021
%RSD	3.6634	.64146	1.8123	.87931	.44769	2.0052	1.1654	.23429	.03044	.40905
#1	.00488	.22163	.10315	.15639	.20455	.00488	.22031	12.469	.01017	.05188
#2	.00463	.21963	.10054	.15834	.20585	.00502	.21671	12.510	.01017	.05218
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02121**	**.02579**	**.11574**	**5.1790**	**.11069**	**6.6287**	**.05172**	**.10575**	**56.694**	**.05302**
Stddev	.00001	.00049	.00090	.0969	.00232	.0064	.00015	.00020	.421	.00044
%RSD	.06054	1.9082	.78121	1.8719	2.0973	.09688	.29960	.18784	.74336	.82396
#1	.02122	.02614	.11510	5.1104	.11233	6.6332	.05183	.10589	56.396	.05333
#2	.02121	.02544	.11638	5.2475	.10905	6.6242	.05161	.10561	56.992	.05271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0615**	**.05005**	**23.987**	**.05258**	**.20642**	**1.3685**	**2.9286**	**.21020**	**.56633**	**.10040**
Stddev	.0014	.00027	.088	.00205	.00110	.0257	.0550	.00131	.00097	.00189
%RSD	.13414	.53602	.36696	3.8933	.53490	1.8783	1.8783	.62268	.17214	1.8783
#1	1.0604	.05024	24.049	.05403	.20564	1.3503	2.8897	.21112	.56564	.10173
#2	1.0625	.04986	23.924	.05113	.20720	1.3867	2.9675	.20927	.56702	.09906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10120**	**.20468**	**.30643**	**.05164**	**.05767**	**.04788**
Stddev	.00027	.00281	.01225	.00025	.00011	.00110
%RSD	.26921	1.3739	3.9968	.49346	.19369	2.2884
#1	.10139	.20667	.29777	.05182	.05760	.04866
#2	.10100	.20269	.31509	.05146	.05775	.04711
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6908.0**	**80108.**	**6476.4**
Stddev	2.3	129.	27.7
%RSD	.03306	.16126	.42734
#1	6909.6	80200.	6496.0
#2	6906.3	80017.	6456.8

Sample Name: 48662-e-4-c msd@10 Acquired: 11/14/2013 16:39:28 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00514**	**.21745**	**.10110**	**.15607**	**.20259**	**.00490**	F **.21257**	**12.378**	**.01023**	**.05131**
Stddev	.00010	.00023	.00158	.00028	.00274	.00001	.00128	.148	.00019	.00005
%RSD	1.9919	.10634	1.5595	.17971	1.3524	.24406	.60449	1.1986	1.8535	.10046
#1	.00521	.21761	.09999	.15627	.20453	.00489	.21347	12.483	.01036	.05128
#2	.00507	.21729	.10221	.15588	.20065	.00491	.21166	12.273	.01010	.05135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02100**	**.02534**	**.11549**	**5.1082**	**.11079**	**6.6424**	**.05155**	**.10441**	**57.141**	**.05263**
Stddev	.00003	.00019	.00205	.1342	.00072	.0128	.00006	.00017	.343	.00036
%RSD	.14094	.76522	1.7750	2.6264	.64731	.19273	.11691	.16407	.60025	.68550
#1	.02098	.02548	.11404	5.2031	.11028	6.6514	.05150	.10428	57.384	.05289
#2	.02102	.02521	.11693	5.0134	.11130	6.6333	.05159	.10453	56.899	.05238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0466**	**.05062**	**23.920**	**.04909**	**.20375**	**1.3799**	**2.9530**	**.20740**	**.56297**	**.10134**
Stddev	.0017	.00052	.010	.00112	.00122	.0049	.0104	.00109	.00512	.00013
%RSD	.16494	1.0250	.04041	2.2850	.59836	.35343	.35343	.52753	.90875	.12976
#1	1.0478	.05025	23.927	.04988	.20461	1.3765	2.9456	.20817	.56659	.10144
#2	1.0454	.05099	23.913	.04830	.20288	1.3833	2.9604	.20662	.55935	.10125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10144**	**.20159**	**.32938**	**.05103**	**.05766**	**.04629**
Stddev	.00008	.00129	.04288	.00072	.00011	.00093
%RSD	.07593	.63752	13.017	1.4202	.19111	2.0121
#1	.10138	.20250	.29907	.05052	.05759	.04563
#2	.10149	.20068	.35970	.05154	.05774	.04695
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.6**	**78945.**	**6476.4**
Stddev	.6	27.	38.3
%RSD	.00837	.03403	.59095
#1	6906.0	78964.	6449.3
#2	6905.2	78926.	6503.4

Sample Name: 48662-e-4-aPDS@10 Acquired: 11/14/2013 16:41:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04822**	**1.0395**	**.20735**	**.15521**	**.10524**	**.05026**	**.00392**	**27.328**	**.05142**	**.05110**
Stddev	.00001	.0010	.00457	.00079	.00093	.00019	.00056	.163	.00015	.00020
%RSD	.01888	.10025	2.2053	.50986	.88332	.37794	14.217	.59807	.29855	.38894
#1	.04823	1.0388	.20412	.15465	.10458	.05012	.00431	27.212	.05131	.05096
#2	.04822	1.0402	.21059	.15577	.10590	.05039	.00353	27.443	.05153	.05124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05312**	**.05144**	**1.0513**	**20.360**	**.11274**	**21.915**	**.05198**	**.05058**	**72.080**	**.05244**
Stddev	.00023	.00077	.0066	.173	.00041	.094	.00031	.00014	.175	.00011
%RSD	.44077	1.4994	.62595	.85105	.36088	.43075	.59569	.27724	.24234	.20857
#1	.05295	.05090	1.0467	20.238	.11303	21.848	.05176	.05068	72.204	.05252
#2	.05328	.05199	1.0560	20.483	.11245	21.982	.05220	.05048	71.957	.05236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1379**	**.09972**	**24.131**	**.09913**	**.20723**	**5.2777**	**11.294**	**.10055**	**.51602**	**.20395**
Stddev	.0077	.00256	.094	.00139	.00049	.0546	.117	.00114	.00308	.00047
%RSD	.35990	2.5646	.38996	1.4017	.23418	1.0355	1.0355	1.1358	.59700	.23094
#1	2.1324	.09791	24.064	.09815	.20688	5.2391	11.212	.09974	.51385	.20362
#2	2.1433	.10153	24.197	.10012	.20757	5.3164	11.377	.10135	.51820	.20428
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04982**	**.20098**	**.79670**	**.05196**	**.21590**	**.04646**
Stddev	.00020	.00063	.05234	.00060	.00104	.00088
%RSD	.39145	.31487	6.5702	1.1518	.48231	1.8837
#1	.04995	.20143	.83371	.05154	.21516	.04585
#2	.04968	.20053	.75969	.05238	.21663	.04708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.6**	**78501.**	**6475.1**
Stddev	1.9	167.	68.1
%RSD	.02727	.21238	1.0516
#1	6884.3	78383.	6523.3
#2	6886.9	78619.	6427.0

Sample Name: 280-48651-b-6-c Acquired: 11/14/2013 16:43:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**6.8056**	**.00311**	**.03030**	**.14462**	**.00059**	**.00109**	**38.665**	**.00731**	**.01298**
Stddev	.00004	.0392	.00151	.00022	.00025	.00001	.00126	.072	.00033	.00007
%RSD	7.6933	.57557	48.714	.72817	.17425	1.7617	115.70	.18573	4.5332	.55621
#1	-.00054	6.7780	.00204	.03046	.14445	.00059	.00020	38.614	.00708	.01303
#2	-.00061	6.8333	.00417	.03015	.14480	.00058	.00198	38.715	.00755	.01293
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00594**	**.03759**	**3.7551**	**5.3261**	**.03378**	**6.1222**	**.35529**	**.00072**	**5.0663**	**.03823**
Stddev	.00001	.00033	.0171	.0402	.00145	.0190	.00093	.00007	.0177	.00020
%RSD	.10475	.88426	.45602	.75541	4.2853	.31050	.26313	9.2425	.34853	.53616
#1	.00594	.03735	3.7430	5.2976	.03276	6.1356	.35595	.00067	5.0788	.03838
#2	.00593	.03782	3.7672	5.3545	.03481	6.1087	.35463	.00077	5.0538	.03809
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6534**	**.01631**	**51.097**	**.00005**	**.00144**	**9.1201**	**19.517**	**-.00004**	**.15393**	**.00285**
Stddev	.0000	.00017	.014	.00054	.00220	.0926	.198	.00095	.00008	.00054
%RSD	.00008	1.0570	.02693	1008.1	152.46	1.0153	1.0153	2166.6	.05181	18.889
#1	1.6534	.01619	51.088	.00044	-.00011	9.0546	19.377	.00063	.15399	.00323
#2	1.6533	.01643	51.107	-.00033	.00300	9.1856	19.657	-.00071	.15387	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07409**	**.00081**	W **-.05595**	**.01012**	**4.9418**	**.00045**
Stddev	.00010	.00131	.01960	.00063	.0209	.00013
%RSD	.13235	161.18	35.037	6.2627	.42310	28.665
#1	.07402	.00174	-.04209	.00967	4.9566	.00036
#2	.07416	-.00011	-.06982	.01057	4.9270	.00054
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.9**	**80519.**	**6656.4**
Stddev	1.6	88.	71.6
%RSD	.02263	.10882	1.0752
#1	7012.7	80457.	6707.0
#2	7015.0	80581.	6605.8

Sample Name: 280-48651-b-7-c Acquired: 11/14/2013 16:46:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 198991 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.00432**	**-.00129**	**.00085**	**.00005**	**.00003**	**.00217**	**.02571**	**-.00008**	**-.00014**
Stddev	.00021	.00013	.00021	.00050	.00022	.00000	.00071	.00581	.00010	.00014
%RSD	25.382	2.9401	16.727	59.075	403.29	2.8355	32.748	22.603	126.08	97.174
#1	-.00096	.00441	-.00113	.00120	-.00010	.00003	.00267	.02982	-.00001	-.00004
#2	-.00067	.00423	-.00144	.00049	.00021	.00003	.00167	.02160	-.00015	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00009**	**.00339**	**.03754**	**.00033**	**.00637**	**.00020**	**-.00028**	**.02721**	**.00005**
Stddev	.00009	.00021	.00328	.00712	.00124	.00032	.00001	.00002	.01514	.00005
%RSD	647.20	223.71	96.751	18.967	378.40	5.0802	4.8948	8.3345	55.644	86.108
#1	.00008	.00024	.00571	.04258	.00121	.00659	.00019	-.00030	.03792	.00009
#2	-.00005	-.00005	.00107	.03251	-.00055	.00614	.00021	-.00027	.01651	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00194**	**-.00111**	**.01141**	**-.00041**	**-.00052**	**.01056**	**.02261**	**-.00067**	**.00007**	**.00158**
Stddev	.00138	.00110	.00046	.00129	.00340	.02133	.04565	.00060	.00009	.00268
%RSD	71.215	99.174	4.0090	314.14	649.68	201.94	201.94	90.257	119.46	170.15
#1	.00292	-.00033	.01174	-.00132	-.00293	-.00452	-.00967	-.00024	.00014	.00347
#2	.00096	-.00188	.01109	.00050	.00188	.02565	.05489	-.00109	.00001	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00066**	**-.00148**	**-.00016**	**.00447**	**-.00060**
Stddev	.00054	.00103	.03429	.00021	.00013	.00027
%RSD	415.34	156.19	2323.6	129.40	3.0032	45.537
#1	-.00025	-.00007	-.02573	-.00001	.00457	-.00041
#2	.00051	.00139	.02277	-.00031	.00438	-.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.4**	**82099.**	**6557.8**
Stddev	13.4	94.	69.3
%RSD	.18860	.11455	1.0573
#1	7139.0	82032.	6508.7
#2	7119.9	82165.	6606.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 16:48:34 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00285**	**50.195**	**.00116**	**.00111**	**.00049**	**.00000**	**1.0322**	**.01685**	**.00057**	**-.00101**	**.00026**	**-.00348**	**50.738**
Stddev	.00023	.162	.00305	.00023	.00016	.0000	.0015	.00473	.00022	.00015	.00014	.00040	.194
%RSD	8.0200	.32291	261.56	20.372	31.934	189.74	.14183	28.094	38.025	15.187	53.804	11.491	.38177
#1	-.00269	50.081	.00332	.00095	.00038	.00000	1.0332	.01350	.00041	-.00112	.00016	-.00376	50.875
#2	-.00302	50.310	-.00099	.00127	.00060	-.00001	1.0312	.02019	.00072	-.00090	.00036	-.00320	50.601
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04561**	**.00238**	**.07673**	**.00001**	**.00030**	**251.49**	**-.00069**	**.00430**	**-.00229**	**5.0571**	**.00152**	**-.00720**	**-.00606**
Stddev	.00244	.00098	.00477	.00008	.00006	.24	.00050	.00047	.00105	.0139	.00341	.00000	.00112
%RSD	5.3515	41.062	6.2169	1089.7	20.904	.09649	72.666	10.979	46.022	.27429	224.49	.02471	18.445
#1	.04734	.00307	.08011	.00007	.00026	251.32	-.00034	.00396	-.00304	5.0669	.00393	-.00720	-.00685
#2	.04389	.00169	.07336	-.00005	.00035	251.66	-.00105	.00463	-.00154	5.0473	-.00089	-.00720	-.00527
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01297**	**.00053**	**.00004**	**5.0277**	**.00875**	**.00235**	F **7.8769**	**.00010**	**.00207**	**-.05820**
Stddev	.00239	.00010	.00008	.0068	.00037	.00074	.0377	.00001	.00079	.00016
%RSD	18.445	18.574	215.59	.13552	4.2121	31.398	.47815	6.3519	37.999	.28296
#1	-.01466	.00046	-.00002	5.0229	.00849	.00287	7.8503	.00010	.00262	-.05808
#2	-.01128	.00060	.00009	5.0325	.00901	.00183	7.9035	.00011	.00151	-.05831
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6962.5**	**79274.**	**6682.7**
Stddev	1.9	87.	27.8
%RSD	.02668	.10932	.41656
#1	6961.2	79213.	6663.0
#2	6963.8	79336.	6702.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 16:50:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.50919**	**.51900**	**1.0062**	**.50554**	**.50213**	**.49322**	**-.01193**	**4.9356**	**.49658**	**.50605**	**.51402**	**.50262**	**2.5566**
Stddev	.00279	.00097	.0029	.00120	.00146	.00008	.00203	.0048	.00117	.00093	.00107	.00019	.0027
%RSD	.54854	.18625	.29326	.23727	.29110	.01634	17.013	.09793	.23609	.18449	.20816	.03751	.10699
#1	.51117	.51969	1.0041	.50469	.50317	.49316	-.01337	4.9390	.49575	.50539	.51327	.50275	2.5586
#2	.50722	.51832	1.0083	.50639	.50110	.49327	-.01050	4.9322	.49741	.50671	.51478	.50248	2.5547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.172**	**.98355**	**19.850**	**.49596**	**.51285**	**5.1028**	**.51615**	**1.0081**	**.99725**	**-.00071**	**1.0151**	**1.0068**	**5.0361**
Stddev	.053	.00420	.099	.00133	.00298	.0453	.00046	.0093	.00719	.00026	.0082	.0149	.0121
%RSD	.10803	.42736	.49675	.26802	.58131	.88751	.08998	.92382	.72109	37.102	.80804	1.4763	.23953
#1	49.134	.98652	19.920	.49690	.51075	5.1348	.51582	1.0016	.99216	-.00089	1.0093	.99630	5.0275
#2	49.209	.98058	19.780	.49502	.51496	5.0708	.51648	1.0147	1.0023	-.00052	1.0209	1.0173	5.0446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.777**	**1.0162**	**.49779**	**.00301**	**.49963**	**1.0115**	**-.01841**	**.49245**	**.50019**	**.49964**
Stddev	.026	.0082	.00111	.00140	.00060	.0075	.01631	.00014	.00056	.00143
%RSD	.23953	.81034	.22267	46.449	.12037	.74050	88.609	.02793	.11194	.28638
#1	10.759	1.0104	.49858	.00400	.50006	1.0062	-.00688	.49235	.50059	.49863
#2	10.795	1.0220	.49701	.00202	.49921	1.0168	-.02995	.49255	.49980	.50065
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7055.7**	**81226.**	**6632.3**
Stddev	18.3	130.	45.6
%RSD	.25944	.16052	.68685
#1	7042.7	81134.	6600.1
#2	7068.6	81318.	6664.5

Sample Name: CCB Acquired: 11/14/2013 16:53:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00014**	**-.00213**	**.00135**	**.00023**	**.00005**	**.00304**	**-.00036**	**.00006**	**.00010**	**.00000**	**-.00056**
Stddev	.00037	.00056	.00047	.00015	.00006	.00005	.00274	.00384	.00004	.00023	.00003	.00012
%RSD	1319.5	389.97	21.908	11.266	26.497	99.386	90.210	1052.8	69.289	226.91	9835.4	20.895
#1	.00024	.00054	-.00246	.00146	.00028	.00002	.00110	-.00308	.00009	.00026	.00002	-.00048
#2	-.00029	-.00025	-.00180	.00124	.00019	.00009	.00497	.00235	.00003	-.00006	-.00002	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00243**	**.07106**	**.00040**	**.00133**	**.00007**	**.00021**	**.03109**	**.00010**	**-.00012**	**-.00067**	**.00082**	W **.00536**
Stddev	.00062	.04341	.00063	.00024	.00006	.00029	.00891	.00024	.00126	.00073	.00032	.00159
%RSD	25.407	61.090	156.02	18.190	95.563	134.28	28.661	249.40	1076.2	108.73	39.001	29.702
#1	-.00199	.10175	.00085	.00116	.00002	.00001	.02479	.00027	.00077	-.00016	.00104	.00648
#2	-.00287	.04036	-.00004	.00150	.00011	.00042	.03739	-.00007	-.00101	-.00119	.00059	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.01300**	**.02783**	**-.00048**	**-.00007**	**.00140**	**.00010**	**.00056**	F **-.06464**	**.00020**	**.00256**	**-.00105**
Stddev	.00196	.01014	.02169	.00037	.00013	.00055	.00008	.00069	.02268	.00018	.00012	.00063
%RSD	154.81	77.957	77.957	76.045	190.33	39.140	79.324	124.38	35.086	89.334	4.7974	60.256
#1	-.00012	.00584	.01249	-.00022	.00002	.00101	.00015	.00105	-.04860	.00033	.00248	-.00150
#2	.00265	.02017	.04317	-.00074	-.00016	.00179	.00004	.00007	-.08067	.00007	.00265	-.00060
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7127.6**	**82015.**	**6644.9**
Stddev	13.7	133.	32.6
%RSD	.19268	.16230	.48985
#1	7137.3	82109.	6667.9
#2	7117.9	81921.	6621.8

Sample Name: CCVL-2379751 Acquired: 11/14/2013 17:01:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01056**	**.10823**	**.01367**	**.09865**	**.01023**	**.00104**	**.11440**	**.21994**	**.00500**	**.01050**	**.01054**	**.01529**	**.10105**
Stddev	.00019	.00042	.00066	.00076	.00018	.00006	.00034	.00104	.00013	.00012	.00008	.00020	.00274
%RSD	1.7620	.38430	4.8576	.77466	1.7245	6.1660	.29496	.47406	2.6050	1.0993	.80380	1.3288	2.7139
#1	.01069	.10794	.01320	.09919	.01011	.00109	.11464	.22068	.00491	.01042	.01048	.01515	.09911
#2	.01043	.10853	.01414	.09811	.01036	.00100	.11416	.21921	.00509	.01058	.01060	.01544	.10298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0072**	**.01207**	**.20732**	**.01021**	**.01961**	**1.0531**	**.04253**	**2.8927**	**.00801**	**.00308**	**.00996**	**.01525**	**.49885**
Stddev	.0245	.00067	.00004	.00006	.00013	.0012	.00018	.0028	.00103	.00057	.00117	.00119	.02783
%RSD	.81498	5.5599	.02148	.58936	.63761	.11145	.43174	.09659	12.805	18.614	11.788	7.8109	5.5779
#1	2.9899	.01255	.20729	.01016	.01953	1.0539	.04240	2.8907	.00874	.00348	.00913	.01609	.47918
#2	3.0245	.01160	.20735	.01025	.01970	1.0523	.04266	2.8947	.00729	.00267	.01079	.01441	.51853
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0675**	**.10126**	**.00996**	**.01589**	**.00983**	**.01672**	F **.09078**	**.00959**	**.02522**	**.01157**
Stddev	.0595	.00060	.00004	.00288	.00025	.00037	.04871	.00020	.00117	.00057
%RSD	5.5779	.59666	.44864	18.147	2.5011	2.2012	53.654	2.0840	4.6284	4.9351
#1	1.0254	.10168	.00999	.01792	.01000	.01646	.05634	.00973	.02439	.01198
#2	1.1097	.10083	.00993	.01385	.00966	.01698	.12522	.00945	.02604	.01117
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7202.3**	**83690.**	**6741.5**
Stddev	12.9	314.	5.6
%RSD	.17933	.37569	.08332
#1	7211.5	83912.	6745.5
#2	7193.2	83467.	6737.5

Sample Name: mb 280-199600/1-a Acquired: 11/14/2013 17:05:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00739**	**-.00204**	**.00772**	**.00025**	**.00001**	**.00312**	**.03452**	**-.00004**	**-.00005**
Stddev	.00047	.00016	.00336	.00033	.00013	.00000	.00114	.00115	.00016	.00007
%RSD	69.227	2.1791	165.18	4.2467	49.812	12.065	36.678	3.3253	401.67	124.17
#1	-.00101	.00750	.00034	.00749	.00016	.00001	.00393	.03534	-.00015	-.00010
#2	-.00034	.00728	-.00441	.00795	.00034	.00001	.00231	.03371	.00007	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00063**	**.01391**	**.10071**	**.00207**	**.00801**	**.00029**	**-.00010**	**.06682**	**.00045**
Stddev	.00003	.00030	.00158	.04055	.00006	.00144	.00003	.00006	.02597	.00007
%RSD	19.038	46.823	11.370	40.266	2.9909	17.941	10.769	56.272	38.866	16.196
#1	.00020	.00084	.01280	.07203	.00203	.00903	.00032	-.00006	.08518	.00039
#2	.00015	.00042	.01503	.12938	.00212	.00700	.00027	-.00015	.04846	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**-.00049**	**.00852**	**-.00005**	**.00052**	**.05089**	**.10890**	**.00275**	**-.00005**	**.00085**
Stddev	.00042	.00008	.00036	.00188	.00099	.00798	.01708	.00006	.00002	.00053
%RSD	14.842	16.337	4.2448	4002.3	188.66	15.681	15.681	2.1865	33.256	62.582
#1	.00309	-.00043	.00827	.00128	.00122	.04525	.09683	.00271	-.00006	.00123
#2	.00251	-.00054	.00878	-.00138	-.00018	.05653	.12098	.00280	-.00004	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.00054**	**-.01839**	**.00025**	**.00503**	**-.00073**
Stddev	.00007	.00005	.02409	.00011	.00040	.00017
%RSD	14.999	8.5888	131.02	43.283	7.8762	23.708
#1	.00043	.00051	-.00135	.00033	.00475	-.00085
#2	.00053	.00058	-.03542	.00017	.00531	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7229.9**	**84332.**	**6763.1**
Stddev	19.2	566.	.6
%RSD	.26495	.67135	.00909
#1	7243.4	84733.	6763.5
#2	7216.3	83932.	6762.7

Sample Name: lcs 280-199600/2-a Acquired: 11/14/2013 17:07:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04793**	**1.9539**	**.98217**	F **1.1653**	**1.9606**	**.04825**	**2.0133**	**47.062**	**.09725**	**.48014**
Stddev	.00045	.0008	.00169	.0028	.0040	.00061	.0008	.001	.00010	.00115
%RSD	.93581	.03898	.17243	.23777	.20347	1.2550	.04122	.00267	.10008	.23891
#1	.04761	1.9533	.98098	1.1633	1.9578	.04783	2.0139	47.063	.09718	.48095
#2	.04824	1.9544	.98337	1.1673	1.9634	.04868	2.0127	47.061	.09732	.47933
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20049**	**.24571**	**.99449**	**48.631**	**.97454**	**47.757**	**.47549**	**.99116**	**50.684**	**.48887**
Stddev	.00045	.00077	.01203	.037	.00241	.013	.00029	.00130	.098	.00005
%RSD	.22504	.31215	1.2095	.07647	.24720	.02751	.06034	.13130	.19248	.01049
#1	.20017	.24625	.98599	48.605	.97284	47.748	.47569	.99208	50.615	.48884
#2	.20081	.24517	1.0030	48.657	.97625	47.766	.47529	.99024	50.753	.48891
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9385**	**.47180**	**.00701**	**.49187**	**1.9504**	**1.7196**	**3.6799**	**1.9486**	**.97365**	**.96192**
Stddev	.0108	.00012	.00662	.00750	.0034	.0116	.0249	.0048	.00108	.00036
%RSD	.10837	.02464	94.466	1.5241	.17410	.67665	.67665	.24632	.11129	.03699
#1	9.9309	.47189	.01168	.48657	1.9480	1.7113	3.6623	1.9452	.97288	.96167
#2	9.9461	.47172	.00233	.49717	1.9528	1.7278	3.6975	1.9520	.97442	.96218
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97568**	**1.8907**	F **3.0895**	**.47970**	**.47325**	**.48048**
Stddev	.00090	.0026	.0006	.00206	.00130	.00079
%RSD	.09198	.13628	.02022	.43020	.27514	.16398
#1	.97631	1.8889	3.0899	.48115	.47233	.47992
#2	.97505	1.8925	3.0890	.47824	.47417	.48103
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.9**	**80125.**	**6652.3**
Stddev	7.9	66.	3.7
%RSD	.11466	.08294	.05609
#1	6907.2	80172.	6649.7
#2	6918.5	80078.	6655.0

Sample Name: 280-48651-a-1-a Acquired: 11/14/2013 17:09:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**64.445**	**.00098**	**.02020**	**.16961**	**.00200**	**-.01170**	**4.6388**	**.00257**	**.02534**
Stddev	.00010	.046	.00050	.00010	.00009	.00001	.00055	.0175	.00005	.00034
%RSD	13.891	.07137	50.608	.51692	.05390	.69351	4.7320	.37713	1.7869	1.3590
#1	-.00068	64.477	.00063	.02027	.16954	.00199	-.01131	4.6265	.00261	.02558
#2	-.00083	64.412	.00133	.02012	.16967	.00201	-.01210	4.6512	.00254	.02510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06496**	**.04383**	**71.223**	**7.2334**	**.12207**	**20.460**	**.56849**	**.00088**	**.22252**	**.08466**
Stddev	.00005	.00033	.347	.0009	.00037	.072	.00043	.00008	.00111	.00005
%RSD	.06991	.76137	.48757	.01273	.30236	.35037	.07495	9.1535	.49760	.05637
#1	.06499	.04360	70.978	7.2327	.12233	20.409	.56819	.00094	.22331	.08463
#2	.06493	.04407	71.469	7.2340	.12181	20.510	.56879	.00083	.22174	.08470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1673**	**.05867**	**.71197**	**.00276**	**-.00147**	**3.0824**	**6.5962**	**.00521**	**.02265**	**.01169**
Stddev	.0044	.00009	.00117	.00142	.00272	.0471	.1008	.00017	.00032	.00054
%RSD	.20410	.14762	.16393	51.320	185.39	1.5287	1.5287	3.1767	1.3961	4.5838
#1	2.1704	.05873	.71279	.00176	-.00339	3.0490	6.5249	.00509	.02243	.01131
#2	2.1642	.05860	.71114	.00376	.00046	3.1157	6.6675	.00533	.02288	.01207
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30435**	**.00011**	F **-.12157**	**.07480**	**.93852**	**.00886**
Stddev	.00022	.00008	.03064	.00012	.00298	.00053
%RSD	.07336	72.089	25.202	.16002	.31799	5.9416
#1	.30451	.00005	-.09990	.07489	.93641	.00848
#2	.30419	.00016	-.14323	.07472	.94063	.00923
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7368.4**	**83550.**	**7067.6**
Stddev	4.3	142.	25.1
%RSD	.05890	.16949	.35523
#1	7365.4	83650.	7049.8
#2	7371.5	83450.	7085.3

Sample Name: 280-48651-a-1-aSD@5 Acquired: 11/14/2013 17:12:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**13.313**	**-.00278**	**.00456**	**.03508**	**.00034**	**-.00062**	**.96287**	**.00056**	**.00525**
Stddev	.00039	.053	.00056	.00024	.00012	.00003	.00093	.00558	.00009	.00003
%RSD	147.62	.39787	20.119	5.3686	.34564	8.3407	151.36	.57924	16.603	.56844
#1	-.00054	13.276	-.00239	.00439	.03500	.00036	.00004	.96681	.00049	.00523
#2	.00001	13.351	-.00318	.00473	.03517	.00032	-.00128	.95892	.00062	.00527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01312**	**.00855**	**14.330**	**1.4921**	**.02586**	**4.1880**	**.11575**	**-.00006**	**.06004**	**.01740**
Stddev	.00010	.00013	.007	.0031	.00093	.0224	.00008	.00004	.00808	.00012
%RSD	.73898	1.5235	.04639	.20533	3.6146	.53474	.06891	73.898	13.461	.68100
#1	.01306	.00846	14.325	1.4899	.02653	4.1721	.11569	-.00009	.05433	.01732
#2	.01319	.00864	14.335	1.4943	.02520	4.2038	.11580	-.00003	.06576	.01749
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43842**	**.01175**	**.14475**	**-.00039**	**-.00108**	**.65252**	**1.3964**	**.00270**	**.00461**	**.00500**
Stddev	.00072	.00022	.00159	.00057	.00146	.00402	.0086	.00025	.00005	.00028
%RSD	.16422	1.8710	1.1002	147.79	134.76	.61584	.61584	9.2070	.97749	5.5772
#1	.43792	.01160	.14587	-.00079	-.00211	.64968	1.3903	.00252	.00464	.00480
#2	.43893	.01191	.14362	.00002	-.00005	.65537	1.4025	.00287	.00458	.00519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06215**	**.00011**	W **-.07767**	**.01524**	**.19729**	**.00150**
Stddev	.00031	.00025	.03571	.00072	.00039	.00192
%RSD	.49423	224.30	45.980	4.7465	.19894	127.71
#1	.06237	.00029	-.05242	.01472	.19702	.00286
#2	.06193	-.00007	-.10292	.01575	.19757	.00015
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7197.1**	**82037.**	**6752.2**
Stddev	12.9	337.	.4
%RSD	.17910	.41087	.00560
#1	7188.0	82275.	6752.0
#2	7206.2	81799.	6752.5

Sample Name: 280-48651-a-1-b ms Acquired: 11/14/2013 17:14:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04831**	**107.61**	**.95445**	**.98458**	**2.1846**	**.04890**	F **1.9495**	**49.984**	**.09739**	**.49077**
Stddev	.00071	.01	.00198	.00034	.0034	.00023	.0015	.051	.00009	.00026
%RSD	1.4608	.01199	.20744	.03408	.15502	.47794	.07631	.10140	.09724	.05358
#1	.04881	107.62	.95305	.98482	2.1822	.04873	1.9505	49.948	.09745	.49096
#2	.04781	107.61	.95585	.98435	2.1870	.04906	1.9484	50.020	.09732	.49059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29663**	**.29440**	**79.683**	**67.244**	**1.1048**	**73.264**	**1.0604**	**.94426**	**49.431**	**.56382**
Stddev	.00060	.00012	.041	.040	.0008	.263	.0031	.00172	.237	.00009
%RSD	.20114	.04104	.05135	.05931	.07509	.35863	.29262	.18186	.48004	.01525
#1	.29705	.29431	79.712	67.216	1.1054	73.449	1.0626	.94548	49.599	.56388
#2	.29621	.29448	79.654	67.272	1.1042	73.078	1.0582	.94305	49.263	.56376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.608**	**.49305**	**.87353**	**.27906**	**1.9102**	**7.0492**	**15.085**	**1.8135**	**.98888**	**.90519**
Stddev	.001	.00063	.00410	.00122	.0140	.0306	.065	.0054	.00200	.00520
%RSD	.00528	.12866	.46987	.43793	.73491	.43372	.43372	.29931	.20189	.57421
#1	11.608	.49260	.87063	.27992	1.9201	7.0276	15.039	1.8174	.98747	.90887
#2	11.608	.49350	.87643	.27820	1.9003	7.0708	15.132	1.8097	.99029	.90152
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.4755**	**1.7850**	**2.9816**	**.62400**	**1.3577**	**.39305**
Stddev	.0005	.0067	.0161	.00139	.0037	.00249
%RSD	.03214	.37419	.53885	.22214	.26918	.63289
#1	1.4752	1.7897	2.9929	.62498	1.3603	.39129
#2	1.4758	1.7802	2.9702	.62302	1.3551	.39481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7130.1**	**80052.**	**6899.1**
Stddev	1.5	163.	7.2
%RSD	.02122	.20337	.10398
#1	7129.0	79937.	6894.1
#2	7131.1	80167.	6904.2

Sample Name: 280-48651-a-1-c msd Acquired: 11/14/2013 17:16:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.04787	96.608	.95675	.98158	2.1470	.04856	F 1.9326	49.232	.09682	.48483
Stddev	.00008	.021	.00658	.00394	.0047	.00015	.0086	.175	.00019	.00060
%RSD	.17642	.02224	.68825	.40138	.22043	.31830	.44723	.35480	.19286	.12443
#1	.04781	96.593	.96141	.98437	2.1436	.04846	1.9387	49.108	.09695	.48526
#2	.04793	96.623	.95209	.97880	2.1503	.04867	1.9265	49.355	.09669	.48440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.28530	.28439	67.684	64.853	1.0890	70.321	.99227	.94674	49.066	.54824
Stddev	.00021	.00017	.232	.183	.0031	.166	.00130	.00082	.277	.00077
%RSD	.07225	.05982	.34278	.28229	.28847	.23611	.13149	.08676	.56368	.13987
#1	.28516	.28427	67.520	64.724	1.0868	70.438	.99319	.94732	49.262	.54878
#2	.28545	.28451	67.848	64.983	1.0912	70.203	.99135	.94616	48.871	.54769
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 11.232	.47548	.79807	.28855	1.8940	6.2186	13.308	1.8163	.97885	.90289
Stddev	.032	.00120	.00717	.00038	.0145	.0119	.025	.0078	.00273	.00142
%RSD	.28560	.25141	.89784	.13004	.76520	.19106	.19106	.42915	.27908	.15713
#1	11.255	.47632	.80313	.28882	1.9042	6.2270	13.326	1.8218	.97692	.90389
#2	11.210	.47463	.79300	.28829	1.8837	6.2102	13.290	1.8108	.98078	.90189
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4498	1.7808	3.0138	.60638	1.2180	.39870
Stddev	.0071	.0110	.0403	.00001	.0049	.00118
%RSD	.48931	.61936	1.3368	.00198	.39781	.29477
#1	1.4549	1.7886	3.0423	.60637	1.2215	.39787
#2	1.4448	1.7730	2.9853	.60639	1.2146	.39953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7076.2	79975.	6881.8
Stddev	65.5	106.	60.3
%RSD	.92621	.13253	.87682
#1	7122.6	79900.	6924.4
#2	7029.9	80050.	6839.1

Sample Name: 280-48651-a-1-aPDS Acquired: 11/14/2013 17:18:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04752**	**64.226**	**.20220**	**.11593**	**.26548**	**.04950**	**-.01018**	**23.640**	**.05171**	**.07337**
Stddev	.00004	.406	.00045	.00016	.00001	.00019	.00026	.103	.00046	.00053
%RSD	.08262	.63274	.22447	.13753	.00199	.39216	2.5628	.43706	.89396	.72046
#1	.04755	63.939	.20188	.11604	.26548	.04936	-.01036	23.567	.05138	.07300
#2	.04749	64.513	.20253	.11582	.26548	.04963	-.00999	23.713	.05204	.07375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11421**	**.09355**	**70.339**	**26.693**	**.21932**	**39.997**	**.60094**	**.04871**	**20.778**	**.13253**
Stddev	.00050	.00001	.684	.083	.00315	.121	.00193	.00027	.140	.00028
%RSD	.43461	.01354	.97191	.31227	1.4375	.30274	.32188	.56310	.67595	.20803
#1	.11386	.09354	69.855	26.634	.21709	40.083	.60231	.04851	20.679	.13273
#2	.11456	.09356	70.822	26.752	.22155	39.912	.59957	.04890	20.878	.13234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.1070**	**.15086**	**.69763**	**.09546**	**.19724**	**7.9558**	**17.025**	**.10025**	**.07212**	**.21107**
Stddev	.0165	.00341	.00293	.00128	.00333	.0959	.205	.00106	.00006	.00091
%RSD	.40076	2.2629	.41977	1.3433	1.6873	1.2057	1.2057	1.0524	.08944	.43197
#1	4.0953	.14845	.69556	.09455	.19959	7.8880	16.880	.10100	.07208	.21171
#2	4.1186	.15328	.69970	.09636	.19489	8.0236	17.171	.09950	.07217	.21042
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35850**	**.19070**	**.68138**	**.12330**	**1.1191**	**.05423**
Stddev	.00211	.00122	.02514	.00036	.0047	.00071
%RSD	.58929	.63890	3.6889	.29438	.42236	1.3004
#1	.35701	.18984	.69915	.12355	1.1225	.05473
#2	.35999	.19156	.66361	.12304	1.1158	.05373
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7193.4**	**80560.**	**6706.8**
Stddev	16.8	781.	59.7
%RSD	.23395	.96888	.89053
#1	7205.3	80008.	6749.0
#2	7181.5	81112.	6664.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 17:20:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00368**	**50.662**	**-.00180**	**.00275**	**.00081**	**.00000**	**1.0321**	**.03370**	**.00060**	**-.00104**	**.00026**	**-.00379**	**51.288**
Stddev	.00043	.125	.00190	.00053	.00023	.0001	.0035	.00478	.00013	.00005	.00026	.00004	.106
%RSD	11.823	.24761	106.09	19.442	28.648	64994.	.33917	14.180	22.447	4.3617	98.518	1.0200	.20762
#1	-.00337	50.573	-.00045	.00312	.00064	-.00008	1.0346	.03032	.00069	-.00101	.00045	-.00382	51.364
#2	-.00399	50.750	-.00314	.00237	.00097	.00008	1.0297	.03708	.00050	-.00107	.00008	-.00377	51.213
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13792**	**.00075**	**.10290**	**.00032**	**.00040**	**252.86**	**-.00096**	**.00540**	**-.00195**	**5.0495**	**.00243**	**-.00476**	**.00793**
Stddev	.01951	.00152	.00296	.00004	.00004	.18	.00012	.00103	.00080	.0061	.00118	.00171	.02559
%RSD	14.143	201.67	2.8807	12.060	10.787	.06925	12.025	19.117	41.191	.12109	48.586	35.896	322.67
#1	.12413	-.00032	.10499	.00035	.00037	252.74	-.00104	.00613	-.00138	5.0538	.00326	-.00355	.02603
#2	.15172	.00183	.10080	.00029	.00044	252.98	-.00088	.00467	-.00251	5.0451	.00159	-.00596	-.01016
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01697**	**-.00079**	**.00024**	**5.0106**	**.01008**	**.00224**	F **7.9672**	**.00013**	**.00249**	**-.05724**
Stddev	.05477	.00029	.00017	.0117	.00025	.00045	.0336	.00038	.00014	.00076
%RSD	322.67	37.218	70.882	.23346	2.5026	20.246	.42242	282.71	5.4250	1.3255
#1	.05570	-.00058	.00012	5.0024	.01025	.00256	7.9434	-.00013	.00239	-.05671
#2	-.02175	-.00099	.00035	5.0189	.00990	.00192	7.9909	.00040	.00259	-.05778
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6874.0**	**77894.**	**6450.8**
Stddev	21.2	286.	10.9
%RSD	.30893	.36652	.16947
#1	6889.1	78096.	6458.6
#2	6859.0	77692.	6443.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 17:23:24 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51279**	**.54275**	**1.0027**	**.50563**	**.50030**	**.48861**	**-.01152**	**4.9281**	**.49359**	**.50514**	**.51595**	**.49987**	**2.5811**
Stddev	.00149	.01554	.0051	.00181	.00007	.00085	.00129	.0376	.00167	.00286	.00188	.00107	.0054
%RSD	.29063	2.8626	.50425	.35802	.01404	.17480	11.234	.76197	.33868	.56592	.36346	.21322	.20851
#1	.51384	.55373	.99911	.50435	.50035	.48800	-.01244	4.9546	.49240	.50312	.51462	.49911	2.5849
#2	.51174	.53176	1.0063	.50691	.50025	.48921	-.01061	4.9015	.49477	.50716	.51727	.50062	2.5773
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.852**	**.98403**	**20.134**	**.49862**	**.51591**	**5.1394**	**.51865**	**1.0136**	**.99695**	**-.00276**	**1.0127**	**1.0139**	**5.0306**
Stddev	.016	.00006	.092	.00112	.00285	.0118	.00190	.0050	.00399	.00271	.0018	.0069	.0089
%RSD	.03286	.00568	.45831	.22480	.55220	.23015	.36668	.49346	.39994	98.226	.17777	.67773	.17726
#1	48.864	.98406	20.199	.49942	.51390	5.1477	.51730	1.0100	.99413	-.00084	1.0115	1.0091	5.0369
#2	48.841	.98399	20.069	.49783	.51793	5.1310	.51999	1.0171	.99977	-.00468	1.0140	1.0188	5.0243
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.765**	**1.0237**	**.49545**	**.00285**	**.50353**	**1.0090**	**-.01422**	**.49625**	**.50738**	**.49439**
Stddev	.019	.0022	.00067	.00024	.00107	.0028	.03585	.00078	.00302	.00232
%RSD	.17726	.21100	.13457	8.2751	.21328	.27439	252.07	.15730	.59589	.46984
#1	10.779	1.0222	.49498	.00301	.50429	1.0071	-.03958	.49680	.50952	.49603
#2	10.752	1.0252	.49593	.00268	.50277	1.0110	.01113	.49570	.50524	.49274
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6967.5**	**79368.**	**6546.1**
Stddev	53.5	240.	2.2
%RSD	.76733	.30270	.03401
#1	7005.3	79198.	6547.6
#2	6929.7	79538.	6544.5

Sample Name: CCB Acquired: 11/14/2013 17:25:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00280**	**-.00238**	**.00159**	**.00041**	**.00012**	**.00289**	**-.00130**	**-.00017**	**-.00010**	**-.00005**	**-.00019**	**.00057**
Stddev	.00003	.00064	.00111	.00060	.00020	.00001	.00012	.00311	.00014	.00000	.00010	.00062	.00240
%RSD	17.416	22.703	46.478	38.017	49.332	11.736	4.3067	238.92	81.573	.97062	199.92	324.52	422.10
#1	-.00013	.00325	-.00316	.00116	.00027	.00013	.00280	-.00350	-.00027	-.00010	-.00013	.00025	.00227
#2	-.00017	.00235	-.00160	.00202	.00055	.00011	.00298	.00090	-.00007	-.00010	.00002	-.00063	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11910**	**.00019**	**.01001**	**.00014**	**.00023**	**.03492**	**-.00021**	**-.00045**	**-.00017**	**-.00063**	F **.00674**	**.00108**	**.00094**
Stddev	.00883	.00053	.00119	.00007	.00020	.00845	.00044	.00127	.00029	.00086	.00125	.00214	.00135
%RSD	7.4126	279.50	11.904	47.568	87.077	24.214	211.60	280.47	168.67	135.59	18.524	197.30	144.74
#1	.12534	.00056	.01085	.00019	.00009	.04090	.00010	-.00135	.00003	-.00124	.00586	-.00043	.00189
#2	.11285	-.00018	.00917	.00009	.00038	.02894	-.00052	.00044	-.00038	-.00003	.00763	.00259	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00200**	**-.00034**	**.00011**	**.00396**	**.00006**	**.00103**	**-.01242**	**-.00053**	**.00255**	**-.00047**
Stddev	.00290	.00009	.00007	.00127	.00023	.00021	.00197	.00043	.00048	.00069
%RSD	144.74	26.938	60.192	32.081	359.87	20.071	15.843	81.629	18.917	146.78
#1	.00405	-.00027	.00016	.00485	.00023	.00088	-.01381	-.00083	.00220	.00002
#2	-.00005	-.00040	.00007	.00306	-.00010	.00117	-.01103	-.00022	.00289	-.00096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.4**	**80963.**	**6427.4**
Stddev	38.4	186.	42.0
%RSD	.55020	.23008	.65280
#1	7004.5	81094.	6457.1
#2	6950.2	80831.	6397.8

Sample Name: CCVL-2379751 Acquired: 11/14/2013 17:29:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00964**	**.11084**	**.01158**	**.09983**	**.01045**	**.00102**	**.11439**	**.21745**	**.00477**	**.01055**	**.01065**	**.01542**	**.10388**
Stddev	.00028	.00028	.00136	.00005	.00008	.00006	.00156	.00418	.00004	.00014	.00022	.00076	.00446
%RSD	2.9211	.25112	11.733	.05506	.73553	5.9017	1.3609	1.9242	.87875	1.3190	2.0798	4.9207	4.2925
#1	.00944	.11064	.01254	.09979	.01050	.00106	.11549	.22041	.00474	.01065	.01049	.01489	.10703
#2	.00984	.11103	.01062	.09987	.01040	.00098	.11329	.21449	.00480	.01045	.01080	.01596	.10072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9637**	**.01194**	**.21056**	**.01047**	**.02005**	**1.0667**	**.04309**	**2.9110**	**.00983**	**-.00081**	**.01148**	**.01898**	**.49373**
Stddev	.0092	.00319	.00458	.00012	.00014	.0022	.00005	.0043	.00047	.00121	.00030	.00235	.01196
%RSD	.30875	26.685	2.1733	1.1310	.70828	.21001	.11341	.14630	4.7906	149.38	2.6103	12.384	2.4225
#1	2.9572	.00969	.20732	.01055	.01995	1.0683	.04312	2.9080	.00949	-.00167	.01169	.02064	.50219
#2	2.9701	.01420	.21380	.01039	.02015	1.0652	.04305	2.9140	.01016	.00005	.01126	.01732	.48527
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0566**	**.10259**	**.00990**	**.01727**	**.00972**	**.01633**	**.06626**	**.00963**	**.02498**	**.01236**
Stddev	.0256	.00063	.00004	.00095	.00015	.00061	.00196	.00038	.00017	.00127
%RSD	2.4225	.61665	.35767	5.4848	1.5688	3.7550	2.9535	3.9276	.67790	10.240
#1	1.0747	.10304	.00987	.01660	.00983	.01589	.06488	.00936	.02486	.01146
#2	1.0385	.10214	.00992	.01794	.00961	.01676	.06765	.00990	.02509	.01325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.6**	**81064.**	**6467.9**
Stddev	19.8	98.	6.9
%RSD	.28067	.12115	.10641
#1	7039.6	80994.	6472.8
#2	7067.6	81133.	6463.0

Sample Name: 280-48651-a-2-a Acquired: 11/14/2013 17:39:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**67.508**	**.00703**	**.01657**	**.14417**	**.00237**	**-.01612**	**4.3054**	**.00121**	**.02755**
Stddev	.00005	.045	.00027	.00008	.00114	.00002	.00003	.0032	.00005	.00004
%RSD	8.3283	.06694	3.8502	.45350	.79256	.92724	.19588	.07382	3.9372	.15808
#1	-.00054	67.540	.00684	.01663	.14498	.00236	-.01610	4.3031	.00124	.02752
#2	-.00061	67.476	.00722	.01652	.14337	.00239	-.01614	4.3076	.00118	.02758
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06825**	**.04818**	**80.471**	**7.2257**	**.12230**	**22.453**	**.59518**	**.00057**	**.29918**	**.09303**
Stddev	.00005	.00023	.239	.0023	.00154	.023	.00093	.00003	.02224	.00000
%RSD	.06935	.47047	.29756	.03203	1.2575	.10411	.15587	6.0049	7.4344	.00181
#1	.06828	.04834	80.640	7.2240	.12121	22.470	.59453	.00055	.28345	.09303
#2	.06821	.04802	80.302	7.2273	.12338	22.437	.59584	.00059	.31490	.09303
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.5766**	**.02391**	**.97174**	**.00129**	**.00080**	**3.1733**	**6.7909**	**.00475**	**.01801**	**.01534**
Stddev	.0059	.00001	.00173	.00043	.00385	.0206	.0440	.00020	.00008	.00126
%RSD	.22854	.04790	.17803	33.225	481.27	.64805	.64805	4.2352	.42024	8.1811
#1	2.5724	.02390	.97052	.00160	-.00192	3.1878	6.8220	.00461	.01806	.01623
#2	2.5808	.02392	.97297	.00099	.00352	3.1588	6.7597	.00489	.01795	.01445
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40662**	**-.00144**	F **-.10131**	**.08880**	**.29382**	**.01422**
Stddev	.00102	.00031	.04060	.00074	.00060	.00013
%RSD	.25159	21.268	40.073	.83275	.20483	.91723
#1	.40589	-.00165	-.13002	.08827	.29425	.01431
#2	.40734	-.00122	-.07260	.08932	.29340	.01413
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7479.4**	**84479.**	**7055.8**
Stddev	5.6	327.	26.7
%RSD	.07512	.38670	.37876
#1	7475.5	84248.	7074.7
#2	7483.4	84710.	7036.9

Sample Name: 280-48651-a-3-a Acquired: 11/14/2013 17:42:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**45.127**	**.00353**	**.01315**	**.09192**	**.00155**	**-.00909**	**2.5177**	**.00112**	**.01668**
Stddev	.00030	.074	.00171	.00050	.00017	.00002	.00123	.0091	.00007	.00005
%RSD	32.917	.16487	48.289	3.7682	.18650	1.3234	13.500	.36052	6.1809	.31176
#1	-.00071	45.075	.00233	.01280	.09204	.00156	-.00996	2.5241	.00108	.01672
#2	-.00114	45.180	.00474	.01350	.09180	.00153	-.00822	2.5113	.00117	.01665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04548**	**.03574**	**52.249**	**5.8660**	**.08022**	**13.957**	**.37216**	**.00027**	**.17678**	**.05604**
Stddev	.00011	.00051	.085	.0969	.00057	.053	.00104	.00023	.00928	.00022
%RSD	.23111	1.4380	.16309	1.6518	.70931	.37684	.27814	84.680	5.2514	.38599
#1	.04556	.03538	52.309	5.9345	.08062	13.920	.37143	.00044	.18334	.05619
#2	.04541	.03610	52.189	5.7975	.07981	13.994	.37289	.00011	.17021	.05589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0130**	**.02038**	**.57810**	**-.00091**	**.00140**	**2.8163**	**6.0270**	**.00446**	**.01251**	**.00999**
Stddev	.0061	.00037	.00119	.00119	.00285	.0044	.0094	.00016	.00003	.00180
%RSD	.30294	1.8278	.20610	131.35	204.08	.15599	.15599	3.5182	.24251	18.030
#1	2.0087	.02064	.57894	-.00006	.00341	2.8195	6.0336	.00435	.01253	.01127
#2	2.0173	.02012	.57726	-.00175	-.00062	2.8132	6.0203	.00457	.01249	.00872
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29843**	**-.00020**	W **-.08644**	**.05640**	**.25611**	**.00854**
Stddev	.00812	.00161	.01442	.00094	.00101	.00137
%RSD	2.7203	807.06	16.685	1.6646	.39564	16.051
#1	.30417	-.00134	-.09664	.05573	.25539	.00757
#2	.29269	.00094	-.07624	.05706	.25682	.00951
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7393.7**	**83219.**	**6936.7**
Stddev	14.9	143.	5.1
%RSD	.20091	.17216	.07336
#1	7404.2	83321.	6940.3
#2	7383.2	83118.	6933.1

Sample Name: 280-48651-a-4-a Acquired: 11/14/2013 17:44:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**46.718**	**.00376**	**.01255**	**.11973**	**.00157**	**-.01010**	**3.6702**	**.00160**	**.01646**
Stddev	.00038	.069	.00000	.00029	.00033	.00006	.00193	.0386	.00007	.00010
%RSD	50.321	.14717	.11322	2.3118	.27620	3.6308	19.113	1.0527	4.3598	.60795
#1	-.00103	46.669	.00375	.01276	.11996	.00153	-.01147	3.6975	.00165	.01639
#2	-.00049	46.767	.00376	.01235	.11950	.00161	-.00874	3.6429	.00155	.01653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04277**	**.02183**	**48.034**	**5.1227**	**.08803**	**13.541**	**.36019**	**.00013**	**.19105**	**.05293**
Stddev	.00012	.00015	.506	.0479	.00018	.055	.00070	.00010	.00041	.00028
%RSD	.27421	.69406	1.0533	.93592	.20967	.40619	.19511	74.793	.21402	.53125
#1	.04285	.02194	48.391	5.0888	.08790	13.502	.35969	.00006	.19134	.05273
#2	.04269	.02173	47.676	5.1566	.08816	13.580	.36068	.00021	.19076	.05313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.9682**	**.03070**	**.67349**	**.00052**	**.00121**	**3.2360**	**6.9250**	**.00441**	**.01688**	**.00919**
Stddev	.0001	.00171	.00275	.00013	.00150	.0559	.1195	.00033	.00025	.00041
%RSD	.00354	5.5842	.40878	24.845	123.49	1.7263	1.7263	7.4703	1.5009	4.4767
#1	2.9681	.02949	.67544	.00043	.00015	3.2755	7.0095	.00417	.01706	.00890
#2	2.9683	.03191	.67155	.00061	.00227	3.1965	6.8405	.00464	.01670	.00948
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.34836**	**-.00033**	**-.04435**	**.05173**	**.28767**	**.00971**
Stddev	.00028	.00043	.00668	.00047	.00044	.00224
%RSD	.08020	132.48	15.062	.91075	.15467	23.070
#1	.34817	-.00002	-.04907	.05207	.28735	.01130
#2	.34856	-.00063	-.03962	.05140	.28798	.00813
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7371.0**	**83555.**	**6956.8**
Stddev	1.2	174.	33.8
%RSD	.01653	.20872	.48515
#1	7371.8	83679.	6980.6
#2	7370.1	83432.	6932.9

Sample Name: 280-48651-a-5-a Acquired: 11/14/2013 17:46:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**45.562**	**.01033**	**.01713**	**.16972**	**.00155**	**-.01673**	**13.986**	**.00413**	**.01850**
Stddev	.00001	.262	.00001	.00041	.00024	.00002	.00205	.054	.00000	.00010
%RSD	1.1598	.57603	.12582	2.4201	.13967	1.0738	12.264	.38770	.02558	.54807
#1	-.00083	45.377	.01034	.01683	.16989	.00154	-.01818	13.947	.00413	.01857
#2	-.00082	45.748	.01032	.01742	.16955	.00156	-.01528	14.024	.00413	.01843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05206**	**.11703**	**71.778**	**6.0487**	**.07797**	**14.362**	**.52244**	**.00123**	**.21999**	**.06718**
Stddev	.00007	.00080	.672	.0165	.00077	.062	.00142	.00009	.00510	.00030
%RSD	.13875	.68099	.93562	.27355	.98906	.43151	.27145	7.0254	2.3189	.44857
#1	.05201	.11760	71.303	6.0370	.07851	14.405	.52344	.00116	.22359	.06739
#2	.05211	.11647	72.253	6.0604	.07742	14.318	.52143	.00129	.21638	.06696
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.7131**	**.21699**	**1.5686**	**.00105**	**.00009**	**3.4420**	**7.3658**	**.08068**	**.08228**	**.01208**
Stddev	.0102	.00049	.0025	.00202	.00008	.0190	.0406	.00095	.00052	.00106
%RSD	.17912	.22583	.15749	192.66	89.180	.55054	.55054	1.1783	.62713	8.7805
#1	5.7203	.21733	1.5703	-.00038	.00003	3.4286	7.3371	.08135	.08192	.01133
#2	5.7059	.21664	1.5668	.00247	.00015	3.4554	7.3945	.08000	.08265	.01283
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52265**	**-.00080**	W **-.09309**	**.07294**	**1.0619**	**.00826**
Stddev	.00472	.00016	.00779	.00025	.0049	.00138
%RSD	.90216	19.529	8.3685	.34589	.45733	16.695
#1	.52599	-.00091	-.09860	.07312	1.0653	.00923
#2	.51932	-.00069	-.08758	.07276	1.0585	.00728
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7374.9**	**83213.**	**6947.8**
Stddev	28.7	735.	56.3
%RSD	.38894	.88342	.80996
#1	7354.7	82693.	6987.6
#2	7395.2	83733.	6908.1

Sample Name: 280-48486-a-1-e Acquired: 11/14/2013 17:48:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199600 SOIL 6010C Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**46.735**	**.03694**	**.02079**	**.21967**	**.00225**	**-.00922**	**107.72**	**.00137**	**.03739**
Stddev	.00002	.105	.00043	.00029	.00005	.00007	.00175	.03	.00008	.00024
%RSD	12.352	.22426	1.1635	1.3895	.02261	2.9404	18.999	.02975	5.8295	.64340
#1	-.00020	46.810	.03724	.02100	.21964	.00229	-.00798	107.74	.00131	.03756
#2	-.00017	46.661	.03663	.02059	.21971	.00220	-.01045	107.70	.00142	.03722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05824**	**.12622**	**105.00**	**6.8959**	**.08639**	**30.811**	**3.9265**	**.00196**	**.32067**	**.08068**
Stddev	.00038	.00106	.21	.0712	.00193	.130	.0623	.00006	.01101	.00002
%RSD	.65254	.84363	.19882	1.0320	2.2311	.42148	1.5858	2.9423	3.4327	.02706
#1	.05797	.12547	104.86	6.9462	.08502	30.719	3.8825	.00200	.32845	.08070
#2	.05850	.12697	105.15	6.8456	.08775	30.903	3.9706	.00192	.31288	.08067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.3129**	**.04620**	**.75305**	**.00152**	**.00099**	**3.1449**	**6.7301**	**.00340**	**.17135**	**.01809**
Stddev	.0067	.00071	.00353	.00211	.00233	.0371	.0794	.00017	.00015	.00110
%RSD	.20211	1.5271	.46921	138.67	235.72	1.1795	1.1795	4.9378	.08596	6.0809
#1	3.3081	.04570	.75554	.00302	.00264	3.1711	6.7863	.00328	.17125	.01731
#2	3.3176	.04670	.75055	.00003	-.00066	3.1187	6.6740	.00352	.17146	.01887
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22431**	**-.00065**	F **-.10168**	**.08159**	**.27460**	**.01831**
Stddev	.00532	.00032	.02121	.00014	.00164	.00172
%RSD	2.3702	49.443	20.860	.17361	.59710	9.4052
#1	.22055	-.00043	-.11668	.08149	.27344	.01709
#2	.22807	-.00088	-.08668	.08169	.27576	.01952
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7376.5**	**83628.**	**7054.9**
Stddev	24.9	205.	32.9
%RSD	.33694	.24460	.46693
#1	7358.9	83773.	7031.6
#2	7394.1	83484.	7078.2

Sample Name: 280-48773-c-4-a@10 Acquired: 11/14/2013 17:51:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.01490**	**.00056**	**.11235**	**.00165**	**-.00006**	**.00341**	**5.2630**	**-.00027**	**-.00037**
Stddev	.00021	.00255	.00152	.00030	.00014	.00006	.00065	.0264	.00010	.00011
%RSD	164.40	17.110	271.81	.26477	8.2545	110.48	18.947	.50197	37.244	31.299
#1	-.00027	.01670	-.00052	.11256	.00175	-.00001	.00295	5.2444	-.00020	-.00029
#2	.00002	.01310	.00163	.11214	.00156	-.00010	.00386	5.2817	-.00034	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00022**	**.04617**	**.07906**	**.00505**	**1.1411**	**.01355**	**.00043**	**88.843**	**.00004**
Stddev	.00017	.00049	.00969	.04103	.00010	.0072	.00003	.00020	.060	.00008
%RSD	1072.0	221.79	20.997	51.896	1.9735	.62938	.19423	46.394	.06780	206.32
#1	.00011	-.00057	.03931	.10807	.00498	1.1360	.01356	.00029	88.885	-.00002
#2	-.00014	.00013	.05302	.05005	.00512	1.1462	.01353	.00057	88.800	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00232**	**.00001**	**29.570**	**-.00006**	**.00073**	**.46745**	**1.0003**	**.00205**	**.12926**	**.00337**
Stddev	.00041	.00133	.092	.00029	.00526	.00346	.0074	.00075	.00004	.00020
%RSD	17.828	16068.	.30967	455.98	717.83	.74062	.74062	36.419	.02918	6.0149
#1	.00203	-.00093	29.635	-.00027	-.00298	.46990	1.0056	.00257	.12924	.00322
#2	.00262	.00095	29.505	.00014	.00445	.46500	.99511	.00152	.12929	.00351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00129**	**-.03321**	**.00043**	**.00564**	**-.00063**
Stddev	.00009	.00057	.02188	.00041	.00016	.00040
%RSD	42.260	43.840	65.899	96.018	2.8767	63.037
#1	-.00029	.00169	-.01773	.00014	.00553	-.00035
#2	-.00016	.00089	-.04868	.00072	.00576	-.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.7**	**79507.**	**6538.8**
Stddev	26.1	180.	10.4
%RSD	.37644	.22652	.15853
#1	6916.3	79379.	6546.2
#2	6953.2	79634.	6531.5

Sample Name: 280-48773-c-5-a@10 Acquired: 11/14/2013 17:53:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00046**	**.00750**	**-.00257**	**.17658**	**.00163**	**.00001**	**.00532**	**8.1462**	**-.00005**	**-.00037**
Stddev	.00064	.00001	.00118	.00042	.00019	.00010	.00063	.0583	.00031	.00008
%RSD	138.09	.19843	45.904	.23517	11.446	1549.1	11.785	.71559	678.36	20.852
#1	-.00001	.00751	-.00174	.17628	.00176	.00008	.00487	8.1874	.00018	-.00031
#2	-.00091	.00749	-.00340	.17687	.00150	-.00007	.00576	8.1050	-.00027	-.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00025**	**.01613**	**.09432**	**.00883**	**1.6294**	**.01535**	**.00073**	**118.07**	**.00013**
Stddev	.00003	.00036	.00085	.03613	.00112	.0030	.00000	.00018	.47	.00006
%RSD	64.779	148.10	5.2890	38.309	12.718	.18354	.03014	25.158	.39648	44.529
#1	-.00003	-.00001	.01673	.11987	.00803	1.6273	.01535	.00086	118.40	.00009
#2	-.00008	.00050	.01553	.06877	.00962	1.6316	.01536	.00060	117.74	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00338**	**-.00035**	**43.989**	**.00157**	**.00295**	**.57118**	**1.2223**	**.00170**	**.22598**	**.00095**
Stddev	.00101	.00089	.103	.00120	.00077	.00460	.0098	.00064	.00059	.00185
%RSD	29.796	253.45	.23401	76.339	26.053	.80570	.80570	37.763	.25954	195.58
#1	.00409	-.00098	43.916	.00072	.00241	.57443	1.2293	.00125	.22640	-.00036
#2	.00267	.00028	44.062	.00242	.00350	.56792	1.2154	.00215	.22557	.00225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00107**	**-.03683**	**.00060**	**.00515**	**-.00045**
Stddev	.00003	.00061	.00084	.00020	.00081	.00020
%RSD	15.585	56.976	2.2760	33.025	15.653	44.757
#1	.00018	.00064	-.03743	.00074	.00572	-.00031
#2	.00022	.00150	-.03624	.00046	.00458	-.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6891.5**	**78415.**	**6541.4**
Stddev	5.4	281.	42.6
%RSD	.07813	.35864	.65172
#1	6895.3	78216.	6511.2
#2	6887.7	78614.	6571.5

Sample Name: 280-48773-c-6-a@10 Acquired: 11/14/2013 17:56:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00594**	**.00008**	**.19657**	**.00111**	**.00005**	**.00343**	**2.9355**	**-.00029**	**-.00028**
Stddev	.00013	.00001	.00005	.00242	.00003	.00000	.00107	.0200	.00015	.00001
%RSD	21.636	.09093	59.996	1.2319	2.6884	4.1220	31.149	.68268	51.813	2.4072
#1	-.00068	.00594	.00005	.19828	.00109	.00005	.00268	2.9497	-.00040	-.00029
#2	-.00050	.00595	.00011	.19486	.00113	.00005	.00419	2.9213	-.00019	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00007**	**.01181**	**.10968**	**.02959**	**.55810**	**.00029**	**.00071**	**89.886**	**.00019**
Stddev	.00018	.00001	.00267	.02453	.00118	.00522	.00008	.00002	.322	.00003
%RSD	85.286	9.6147	22.652	22.369	3.9968	.93479	27.315	3.1864	.35810	18.311
#1	.00034	-.00008	.01370	.12703	.03043	.55441	.00034	.00070	89.658	.00021
#2	.00009	-.00007	.00992	.09233	.02875	.56179	.00023	.00073	90.113	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00144**	**-.00042**	**38.545**	**.00127**	**.00909**	**.39675**	**.84904**	**.00238**	**.20757**	**.00241**
Stddev	.00074	.00089	.070	.00339	.00393	.01098	.02349	.00030	.00086	.00061
%RSD	51.596	212.23	.18176	266.01	43.242	2.7665	2.7665	12.478	.41295	25.315
#1	.00092	-.00105	38.594	.00367	.00631	.40451	.86565	.00259	.20697	.00198
#2	.00197	.00021	38.495	-.00112	.01187	.38899	.83243	.00217	.20818	.00284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00178**	W **-.05472**	**.00138**	**.00560**	**-.00120**
Stddev	.00013	.00058	.06692	.00033	.00009	.00111
%RSD	22.869	32.654	122.28	23.905	1.6119	92.884
#1	-.00047	.00137	-.00741	.00162	.00554	-.00199
#2	-.00065	.00219	-.10204	.00115	.00566	-.00041
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6920.8**	**79186.**	**6493.1**
Stddev	3.0	149.	4.4
%RSD	.04311	.18857	.06837
#1	6918.7	79291.	6496.2
#2	6922.9	79080.	6489.9

Sample Name: 280-48773-c-7-a@10 Acquired: 11/14/2013 17:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.00669**	**-.00050**	**.15246**	**.00095**	**-.00004**	**.00376**	**2.1308**	**-.00035**	**-.00043**
Stddev	.00026	.00023	.00107	.00056	.00004	.00003	.00126	.0142	.00000	.00008
%RSD	68.612	3.3935	214.34	.36969	4.2378	68.866	33.463	.66780	.83968	18.280
#1	-.00057	.00685	.00026	.15206	.00092	-.00006	.00465	2.1208	-.00035	-.00038
#2	-.00020	.00653	-.00126	.15286	.00097	-.00002	.00287	2.1409	-.00035	-.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**-.00004**	**.01038**	**.21066**	**.04768**	**.26543**	**.00022**	**-.00010**	**101.05**	**.00006**
Stddev	.00006	.00036	.00266	.00286	.00105	.00350	.00000	.00004	.09	.00024
%RSD	88.538	806.10	25.574	1.3597	2.2065	1.3180	1.4297	42.003	.08963	441.82
#1	-.00002	.00021	.00851	.20863	.04842	.26791	.00022	-.00007	101.12	.00023
#2	-.00010	-.00030	.01226	.21268	.04694	.26296	.00022	-.00013	100.99	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00155**	**-.00003**	**35.329**	**.00129**	**.00632**	**.44800**	**.95872**	**.00150**	**.16572**	**.00209**
Stddev	.00053	.00047	.061	.00127	.00047	.01938	.04147	.00013	.00079	.00054
%RSD	34.471	1388.0	.17198	98.878	7.3846	4.3255	4.3255	8.8507	.47876	25.998
#1	.00193	-.00037	35.372	.00219	.00665	.46170	.98804	.00140	.16628	.00170
#2	.00117	.00030	35.287	.00039	.00599	.43430	.92940	.00159	.16516	.00247
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00108**	**.00083**	**-.04332**	**.00458**	**.00506**	**-.00263**
Stddev	.00162	.00051	.01613	.00063	.00005	.00030
%RSD	150.70	62.005	37.238	13.670	.90536	11.412
#1	-.00007	.00119	-.05472	.00503	.00509	-.00284
#2	.00222	.00046	-.03191	.00414	.00502	-.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.4**	**78803.**	**6484.3**
Stddev	12.5	810.	34.2
%RSD	.18151	1.0281	.52705
#1	6912.3	78230.	6508.4
#2	6894.6	79376.	6460.1

Sample Name: 280-48773-c-8-a@10 Acquired: 11/14/2013 18:00:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199576 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00052**	**.00762**	**-.00308**	**.13898**	**.00165**	**.00004**	**.00294**	**4.9344**	**-.00026**	**-.00034**
Stddev	.00026	.00001	.00075	.00018	.00057	.00002	.00121	.0100	.00008	.00002
%RSD	48.877	.19640	24.365	.12635	34.636	56.448	41.033	.20172	31.977	5.0071
#1	-.00070	.00763	-.00361	.13910	.00125	.00002	.00379	4.9415	-.00032	-.00033
#2	-.00034	.00761	-.00255	.13885	.00206	.00005	.00209	4.9274	-.00020	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00034**	**.01216**	**.10134**	**.01715**	**1.1345**	**.00084**	**.00005**	**95.071**	**-.00012**
Stddev	.00001	.00035	.00217	.00409	.00181	.0001	.00002	.00007	.416	.00034
%RSD	8.3922	105.16	17.802	4.0401	10.551	.00882	2.7382	148.47	.43757	287.80
#1	.00019	.00009	.01063	.10424	.01843	1.1345	.00082	.00000	95.365	-.00036
#2	.00017	.00058	.01369	.09845	.01587	1.1346	.00085	.00010	94.777	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00315**	**-.00036**	**32.405**	**-.00131**	**.00928**	**.42766**	**.91519**	**.00179**	**.17371**	**-.00035**
Stddev	.00011	.00011	.080	.00161	.00148	.00729	.01559	.00012	.00030	.00036
%RSD	3.4620	30.397	.24541	122.49	15.909	1.7036	1.7036	6.6444	.17196	102.62
#1	.00323	-.00044	32.461	-.00245	.01032	.42251	.90417	.00188	.17393	-.00010
#2	.00307	-.00028	32.349	-.00018	.00824	.43281	.92622	.00171	.17350	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00126**	**-.03776**	**.00068**	**.00642**	**.00042**
Stddev	.00004	.00019	.00423	.00004	.00000	.00047
%RSD	33.399	14.745	11.199	5.3160	.07431	110.87
#1	.00016	.00139	-.04075	.00071	.00642	.00009
#2	.00010	.00113	-.03477	.00065	.00641	.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6903.9**	**78308.**	**6401.1**
Stddev	14.8	59.	58.9
%RSD	.21403	.07528	.91938
#1	6914.3	78350.	6442.7
#2	6893.4	78267.	6359.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:03:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00377**	**49.894**	**-.00227**	**.00047**	**.00036**	**.00001**	**1.0101**	**.01611**	**.00063**	**-.00091**	**.00017**	**-.00451**	**50.533**
Stddev	.00068	.434	.00303	.00043	.00011	.00003	.0044	.00169	.00008	.00001	.00016	.00011	.109
%RSD	18.111	.87009	133.30	91.750	31.385	344.71	.43471	10.490	12.369	.70006	97.771	2.3796	.21630
#1	-.00329	49.587	-.00013	.00078	.00044	.00003	1.0070	.01491	.00057	-.00092	.00028	-.00444	50.456
#2	-.00426	50.201	-.00442	.00017	.00028	-.00001	1.0132	.01730	.00068	-.00091	.00005	-.00459	50.611
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08637**	**.00108**	**.06912**	**-.00007**	**.00043**	**249.83**	**-.00088**	**.00356**	**-.00124**	**4.9540**	**.00110**	**-.00500**	**-.00917**
Stddev	.05411	.00014	.00044	.00006	.00022	1.53	.00031	.00185	.00085	.0076	.00194	.00209	.00146
%RSD	62.644	13.348	.63527	82.629	51.110	.61068	35.254	51.843	68.972	.15381	176.52	41.841	15.952
#1	.04811	.00118	.06943	-.00012	.00027	248.75	-.00066	.00226	-.00063	4.9486	-.00027	-.00352	-.00814
#2	.12463	.00098	.06881	-.00003	.00058	250.91	-.00110	.00487	-.00184	4.9593	.00248	-.00647	-.01021
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.01963**	**-.00060**	**.00004**	**4.9670**	**.00950**	**.00254**	F **7.7481**	**.00039**	**.00180**	**-.06040**
Stddev	.00313	.00038	.00008	.0194	.00046	.00033	.0574	.00008	.00049	.00049
%RSD	15.952	63.354	225.99	.39032	4.8343	13.032	.74125	20.952	27.127	.81486
#1	-.01742	-.00033	.00009	4.9532	.00918	.00277	7.7074	.00045	.00214	-.06005
#2	-.02185	-.00087	-.00002	4.9807	.00983	.00231	7.7887	.00033	.00145	-.06074
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6919.7**	**77349.**	**6432.0**
Stddev	24.7	189.	24.5
%RSD	.35696	.24386	.38072
#1	6902.2	77216.	6449.4
#2	6937.1	77483.	6414.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:05:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51165**	**.52563**	**.99648**	**.50090**	**.49272**	**.47938**	**-.01316**	**4.8261**	**.48856**	**.49933**	**.51176**	**.49653**	**2.5155**
Stddev	.00094	.00984	.00025	.00028	.00255	.00218	.00140	.0089	.00001	.00117	.00085	.00102	.0093
%RSD	.18322	1.8724	.02504	.05617	.51657	.45520	10.640	.18421	.00115	.23424	.16670	.20491	.37004
#1	.51231	.51867	.99665	.50110	.49452	.48092	-.01217	4.8198	.48856	.49850	.51237	.49581	2.5221
#2	.51099	.53259	.99630	.50070	.49092	.47783	-.01415	4.8324	.48857	.50016	.51116	.49724	2.5089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.113**	**.96850**	**19.926**	**.49303**	**.51101**	**5.0051**	**.51445**	**1.0004**	**.98629**	**.00685**	**.99887**	**1.0065**	**4.9866**
Stddev	.126	.00565	.008	.00028	.00006	.0314	.00081	.0015	.00174	.01291	.00183	.0003	.0097
%RSD	.26241	.58379	.04260	.05596	.01115	.62676	.15810	.14845	.17665	188.54	.18279	.03179	.19437
#1	48.203	.97250	19.932	.49323	.51097	5.0273	.51387	1.0014	.98506	-.00228	1.0002	1.0067	4.9935
#2	48.024	.96450	19.920	.49284	.51105	4.9829	.51502	.99931	.98752	.01597	.99758	1.0063	4.9798
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.671**	**1.0115**	**.48767**	**.00453**	**.49842**	**.99864**	**-.09352**	**.48774**	**.50341**	**.48875**
Stddev	.021	.0021	.00195	.00195	.00046	.00059	.01546	.00276	.00004	.00158
%RSD	.19437	.20678	.40072	43.012	.09201	.05867	16.534	.56665	.00810	.32231
#1	10.686	1.0101	.48905	.00315	.49875	.99823	-.08259	.48578	.50338	.48987
#2	10.657	1.0130	.48629	.00591	.49810	.99906	-.10446	.48969	.50344	.48764
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7029.8**	**80131.**	**6602.3**
Stddev	29.3	313.	5.2
%RSD	.41609	.39005	.07861
#1	7050.5	79910.	6606.0
#2	7009.1	80352.	6598.6

Sample Name: CCB Acquired: 11/14/2013 18:07:40 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00025**	**-.00164**	**.00044**	**.00032**	**.00006**	**.00276**	**.00043**	**-.00002**	**-.00006**	**.00000**	**-.00043**
Stddev	.00020	.00126	.00124	.00021	.00003	.00016	.00055	.00477	.00013	.00001	.00012	.00013
%RSD	29.677	502.43	75.764	47.800	9.1354	267.82	19.976	1105.2	613.72	10.338	29299.	31.650
#1	-.00080	-.00064	-.00252	.00059	.00034	.00017	.00237	-.00294	.00007	-.00006	.00008	-.00052
#2	-.00052	.00114	-.00076	.00029	.00030	-.00005	.00315	.00381	-.00011	-.00006	-.00008	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00486**	**.05269**	**.00141**	**.00008**	**.00004**	**.00034**	**.04938**	**.00025**	**.00002**	**-.00035**	**.00149**	W **.00406**
Stddev	.00379	.01158	.00025	.00036	.00000	.00001	.00863	.00001	.00073	.00044	.00107	.00083
%RSD	77.917	21.980	17.876	427.44	10.832	3.3793	17.467	4.2212	3552.1	125.04	71.414	20.498
#1	-.00753	.06088	.00123	.00034	.00003	.00035	.05548	.00026	-.00049	-.00004	.00074	.00465
#2	-.00218	.04450	.00159	-.00017	.00004	.00033	.04328	.00024	.00054	-.00067	.00225	.00347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00307**	**.01191**	**.02550**	**-.00046**	**-.00021**	**.00161**	**.00017**	**.00125**	**-.00392**	**.00041**	**.00258**	W **.00242**
Stddev	.00579	.00789	.01688	.00003	.00006	.00080	.00005	.00124	.03243	.00009	.00025	.00039
%RSD	188.75	66.198	66.198	7.6156	28.620	49.537	27.886	99.549	827.45	21.395	9.7872	15.911
#1	-.00716	.01749	.03743	-.00048	-.00017	.00104	.00014	.00037	.01901	.00048	.00276	.00269
#2	.00103	.00634	.01356	-.00043	-.00025	.00217	.00020	.00213	-.02685	.00035	.00240	.00215
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00238
Low Limit												-.00238

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7103.0**	**81367.**	**6590.4**
Stddev	9.5	84.	51.5
%RSD	.13322	.10280	.78220
#1	7096.3	81308.	6626.8
#2	7109.7	81427.	6553.9

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:09:59 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00975**	**.10949**	**.01466**	**.09997**	**.01070**	**.00105**	**.11457**	**.21439**	**.00499**	**.01052**	**.01064**	**.01469**	**.10321**
Stddev	.00014	.00055	.00094	.00118	.00008	.00011	.00405	.00251	.00023	.00003	.00002	.00007	.00147
%RSD	1.4457	.49843	6.4047	1.1810	.70196	10.912	3.5325	1.1708	4.6444	.33226	.14564	.45854	1.4287
#1	.00965	.10988	.01532	.09913	.01075	.00113	.11743	.21616	.00482	.01054	.01063	.01474	.10217
#2	.00985	.10911	.01399	.10080	.01065	.00097	.11171	.21261	.00515	.01049	.01065	.01464	.10425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0231**	**.01275**	**.21291**	**.01040**	**.02043**	**1.0896**	**.04329**	**2.9312**	**.00925**	**.00188**	**.01159**	**.01182**	**.49615**
Stddev	.0695	.00038	.00055	.00000	.00020	.0028	.00029	.0133	.00036	.00205	.00082	.00157	.02135
%RSD	2.2981	2.9497	.25974	.03483	.99922	.25704	.66634	.45360	3.8627	109.24	7.1152	13.242	4.3024
#1	3.0722	.01249	.21330	.01040	.02058	1.0877	.04309	2.9218	.00900	.00333	.01218	.01293	.48106
#2	2.9740	.01302	.21252	.01040	.02029	1.0916	.04349	2.9406	.00950	.00043	.01101	.01071	.51124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0618**	**.10292**	**.01010**	**.01603**	**.00990**	**.01579**	F **.07805**	**.00964**	**.02505**	**.01420**
Stddev	.0457	.00026	.00021	.00191	.00036	.00135	.03806	.00022	.00032	.00020
%RSD	4.3024	.25699	2.0484	11.922	3.6285	8.5721	48.767	2.2408	1.2889	1.4246
#1	1.0295	.10273	.01025	.01468	.01015	.01675	.10497	.00949	.02482	.01406
#2	1.0941	.10311	.00996	.01738	.00964	.01483	.05114	.00979	.02528	.01434
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.8**	**81210.**	**6466.3**
Stddev	8.3	471.	54.1
%RSD	.11758	.58006	.83728
#1	7060.9	81543.	6428.0
#2	7072.7	80877.	6504.6

Sample Name: mb 280-199584/1-a Acquired: 11/14/2013 18:12:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00503**	**-.00230**	**.00219**	**.00039**	**.00004**	**.00447**	**.04294**	**-.00015**	**.00007**
Stddev	.00009	.00046	.00062	.00070	.00022	.00005	.00198	.00130	.00009	.00006
%RSD	299.58	9.1197	27.085	32.164	56.464	134.12	44.212	3.0348	58.658	90.440
#1	-.00010	.00535	-.00274	.00169	.00023	.00000	.00307	.04386	-.00009	.00011
#2	.00004	.00470	-.00186	.00269	.00054	.00008	.00587	.04202	-.00021	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00046**	**.00922**	**.04222**	**.00030**	**.01109**	**.00028**	**-.00022**	F **1.0237**	**.00007**
Stddev	.00005	.00016	.00066	.00669	.00097	.00075	.00004	.00010	.0018	.00000
%RSD	20.741	34.681	7.1622	15.844	324.57	6.7320	14.124	47.844	.17162	5.3488
#1	.00026	-.00058	.00969	.04695	-.00039	.01056	.00025	-.00029	1.0250	.00007
#2	.00019	-.00035	.00875	.03749	.00099	.01161	.00031	-.00014	1.0225	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									1.0000	
Low Limit									-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**.00033**	F **.42291**	**.00037**	**.00026**	**.03260**	**.06976**	**.00001**	**.00226**	**.00161**
Stddev	.00071	.00177	.00388	.00129	.00204	.02502	.05353	.00056	.00005	.00066
%RSD	56.606	538.36	.91818	349.23	792.73	76.740	76.740	4216.0	1.9965	41.007
#1	.00075	.00158	.42565	-.00054	-.00119	.01491	.03191	.00041	.00223	.00114
#2	.00175	-.00092	.42016	.00128	.00170	.05029	.10762	-.00038	.00229	.00207
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit			.10000							
Low Limit			-.10000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00031**	**-.01085**	**-.00028**	**.00359**	**-.00197**
Stddev	.00002	.00065	.00656	.00073	.00031	.00103
%RSD	11.616	207.93	60.407	260.93	8.5823	52.193
#1	.00019	-.00015	-.00622	.00024	.00380	-.00269
#2	.00016	.00077	-.01549	-.00080	.00337	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7132.2**	**82164.**	**6543.7**
Stddev	26.3	337.	21.2
%RSD	.36808	.41025	.32327
#1	7113.6	82402.	6558.7
#2	7150.7	81925.	6528.8

Sample Name: lcs 280-199584/2-a Acquired: 11/14/2013 18:14:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04884**	**1.9603**	**.99457**	**1.0013**	**1.9963**	**.04867**	**2.0355**	**47.654**	**.09799**	**.48727**
Stddev	.00023	.0018	.00324	.0030	.0075	.00022	.0033	.173	.00048	.00016
%RSD	.47996	.09140	.32550	.29938	.37732	.44584	.16341	.36270	.48768	.03221
#1	.04867	1.9590	.99228	.99917	1.9910	.04851	2.0332	47.531	.09765	.48738
#2	.04900	1.9615	.99686	1.0034	2.0016	.04882	2.0379	47.776	.09832	.48716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20512**	**.24576**	**1.0025**	**49.348**	**.99091**	**49.512**	**.48745**	**1.0194**	**50.754**	**.50073**
Stddev	.00000	.00060	.0080	.086	.00675	.060	.00028	.0001	.609	.00036
%RSD	.00016	.24225	.80057	.17493	.68126	.12197	.05661	.00856	1.2000	.07112
#1	.20512	.24618	.99686	49.287	.98613	49.554	.48764	1.0194	50.324	.50048
#2	.20512	.24534	1.0082	49.409	.99568	49.469	.48725	1.0193	51.185	.50098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.078**	**.47560**	**-.00491**	**.49932**	**1.9904**	**10.104**	**21.622**	**2.0099**	**.98794**	**.99180**
Stddev	.016	.00132	.00039	.00338	.0044	.069	.148	.0092	.00263	.00064
%RSD	.15423	.27804	7.9283	.67680	.22177	.68397	.68397	.45756	.26648	.06467
#1	10.067	.47467	-.00463	.49693	1.9873	10.055	21.517	2.0034	.98608	.99134
#2	10.089	.47654	-.00518	.50171	1.9935	10.152	21.726	2.0165	.98980	.99225
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0051**	**1.9127**	F **3.1629**	**.49297**	**.49282**	**.48837**
Stddev	.0007	.0088	.0009	.00082	.00034	.00161
%RSD	.06527	.45755	.02973	.16657	.06827	.32964
#1	1.0046	1.9065	3.1636	.49239	.49258	.48951
#2	1.0056	1.9189	3.1622	.49355	.49305	.48724
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6860.7**	**78435.**	**6531.1**
Stddev	21.0	90.	5.2
%RSD	.30612	.11503	.08007
#1	6845.9	78498.	6534.8
#2	6875.6	78371.	6527.4

Sample Name: 280-48773-c-1-e@10 Acquired: 11/14/2013 18:16:50 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**.16201**	**.00043**	**.12519**	**.00441**	**.00005**	**.00278**	**1.9106**	**-.00013**	**-.00015**
Stddev	.00007	.00014	.00095	.00068	.00017	.00002	.00149	.0081	.00007	.00016
%RSD	98.627	.08369	223.24	.54359	3.7824	50.408	53.756	.42373	56.580	102.83
#1	.00013	.16192	-.00025	.12567	.00429	.00006	.00384	1.9048	-.00008	-.00027
#2	.00002	.16211	.00110	.12471	.00453	.00003	.00172	1.9163	-.00018	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00020**	**.08312**	**.18857**	**.00420**	**.76997**	**.01228**	**.00300**	**85.543**	**.00038**
Stddev	.00001	.00009	.00132	.02931	.00097	.00231	.00011	.00035	.354	.00015
%RSD	3.6979	44.130	1.5839	15.541	23.100	.29952	.93085	11.752	.41439	39.113
#1	.00017	.00013	.08219	.20929	.00488	.76834	.01236	.00325	85.793	.00027
#2	.00016	.00026	.08405	.16785	.00351	.77160	.01219	.00275	85.292	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00668**	**-.00078**	**22.031**	**.00045**	**.00048**	**.69872**	**1.4953**	**.00178**	**.05990**	**.00262**
Stddev	.00058	.00062	.001	.00011	.00091	.00534	.0114	.00072	.00031	.00294
%RSD	8.6218	79.408	.00564	24.662	190.05	.76473	.76473	40.549	.52216	112.18
#1	.00628	-.00034	22.030	.00053	.00113	.69494	1.4872	.00127	.05968	.00054
#2	.00709	-.00121	22.032	.00037	-.00017	.70250	1.5033	.00229	.06012	.00470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00103**	**.00077**	**-.04383**	**.00043**	**.00543**	**.00073**
Stddev	.00008	.00019	.03993	.00020	.00029	.00139
%RSD	7.9241	24.220	91.105	46.507	5.2946	189.57
#1	.00109	.00064	-.01559	.00057	.00563	-.00025
#2	.00098	.00090	-.07206	.00029	.00523	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6983.7**	**79798.**	**6515.2**
Stddev	1.3	264.	26.5
%RSD	.01915	.33054	.40662
#1	6982.8	79984.	6533.9
#2	6984.6	79611.	6496.4

Sample Name: 280-48773-c-1-eSD@50 Acquired: 11/14/2013 18:19:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00003	.03783	.00078	.02502	.00097	.00008	.00253	.38303	-.00009	-.00019
Stddev	.00052	.00014	.00078	.00077	.00007	.00005	.00100	.00384	.00001	.00002
%RSD	1663.0	.37499	99.828	3.0783	7.5877	71.175	39.398	1.0027	5.8788	10.987
#1	.00040	.03773	.00133	.02556	.00091	.00004	.00323	.38032	-.00010	-.00017
#2	-.00034	.03793	.00023	.02447	.00102	.00012	.00182	.38575	-.00009	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00008	-.00030	.02700	.11210	.00107	.15839	.00260	.00033	17.485	.00006
Stddev	.00006	.00027	.00061	.00838	.00100	.00049	.00003	.00003	.188	.00016
%RSD	78.741	90.794	2.2580	7.4744	93.153	.31053	1.2010	8.8805	1.0780	276.53
#1	-.00003	-.00011	.02657	.11802	.00037	.15873	.00258	.00031	17.618	-.00006
#2	-.00012	-.00049	.02743	.10618	.00178	.15804	.00262	.00035	17.351	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00016	-.00054	4.2766	.00008	-.00211	.14840	.31758	.00217	.01182	.00155
Stddev	.00123	.00055	.0158	.00203	.00269	.00941	.02013	.00020	.00019	.00394
%RSD	775.68	101.37	.37014	2548.6	127.63	6.3385	6.3385	9.1725	1.5860	254.41
#1	.00103	-.00093	4.2654	-.00136	-.00021	.14175	.30334	.00232	.01195	.00433
#2	-.00071	-.00015	4.2878	.00152	-.00401	.15505	.33181	.00203	.01168	-.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00012	.00114	-.02865	.00041	.00565	-.00181
Stddev	.00020	.00122	.11382	.00040	.00049	.00069
%RSD	167.83	107.26	397.24	96.951	8.6810	38.183
#1	.00002	.00028	-.10914	.00070	.00530	-.00132
#2	-.00026	.00201	.05183	.00013	.00600	-.00230
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	7060.5	81103.	6587.9
Stddev	45.8	157.	46.2
%RSD	.64807	.19317	.70081
#1	7092.9	81214.	6620.6
#2	7028.2	80992.	6555.3

Sample Name: 48773-c-1-f ms@10 Acquired: 11/14/2013 18:21:33 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00388**	**.42463**	**.09744**	**.21547**	**.19847**	**.00475**	F **.20630**	**6.4499**	**.00930**	**.04886**
Stddev	.00023	.00084	.00139	.00195	.00022	.00006	.00262	.0234	.00002	.00045
%RSD	6.0188	.19874	1.4287	.90466	.11029	1.2741	1.2692	.36337	.17644	.92701
#1	.00404	.42403	.09645	.21410	.19831	.00480	.20445	6.4334	.00932	.04854
#2	.00371	.42523	.09842	.21685	.19862	.00471	.20815	6.4665	.00929	.04918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02013**	**.02485**	**.19609**	**4.9509**	**.10163**	**5.5238**	**.06002**	**.10285**	**85.723**	**.05122**
Stddev	.00009	.00003	.00012	.0436	.00121	.0272	.00009	.00036	.293	.00094
%RSD	.45129	.13742	.06319	.88096	1.1935	.49275	.15576	.34851	.34195	1.8342
#1	.02006	.02483	.19600	4.9200	.10077	5.5045	.05995	.10260	85.930	.05056
#2	.02019	.02488	.19618	4.9817	.10249	5.5430	.06008	.10311	85.516	.05189
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0041**	**.04726**	**20.859**	**.04775**	**.19618**	**1.7812**	**3.8119**	**.20034**	**.15176**	**.09650**
Stddev	.0035	.00202	.010	.00096	.00331	.0141	.0302	.00209	.00022	.00107
%RSD	.35049	4.2826	.04894	2.0075	1.6884	.79100	.79100	1.0451	.14466	1.1139
#1	1.0016	.04583	20.852	.04707	.19384	1.7713	3.7905	.19886	.15160	.09574
#2	1.0066	.04870	20.866	.04842	.19853	1.7912	3.8332	.20182	.15191	.09726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09918**	**.19060**	**.26140**	**.04864**	**.05561**	**.04512**
Stddev	.00038	.00000	.02979	.00033	.00047	.00115
%RSD	.38105	.00238	11.397	.67138	.83708	2.5424
#1	.09945	.19060	.24033	.04841	.05528	.04431
#2	.09891	.19061	.28247	.04887	.05594	.04593
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.7**	**78893.**	**6474.9**
Stddev	24.9	292.	74.8
%RSD	.35963	.36956	1.1548
#1	6928.2	79099.	6422.0
#2	6893.1	78687.	6527.8

Sample Name: 48773-c-1-g msd@10 Acquired: 11/14/2013 18:23:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00408**	**.42916**	**.09965**	**.22021**	**.20204**	**.00479**	F **.20944**	**6.5230**	**.00981**	**.04990**
Stddev	.00060	.00035	.00081	.00111	.00017	.00002	.00429	.0130	.00009	.00013
%RSD	14.612	.08265	.80989	.50491	.08277	.33692	2.0486	.19943	.90858	.25199
#1	.00366	.42890	.10022	.21942	.20192	.00478	.20640	6.5138	.00975	.04981
#2	.00450	.42941	.09908	.22100	.20215	.00480	.21247	6.5322	.00987	.04999
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02062**	**.02501**	**.19496**	**5.0627**	**.10313**	**5.6262**	**.06107**	**.10507**	**86.651**	**.05228**
Stddev	.00022	.00014	.00003	.0833	.00334	.0009	.00002	.00001	.824	.00017
%RSD	1.0632	.55561	.01522	1.6447	3.2421	.01599	.02722	.00560	.95143	.31613
#1	.02046	.02491	.19498	5.0039	.10077	5.6256	.06108	.10507	86.068	.05216
#2	.02077	.02511	.19494	5.1216	.10550	5.6268	.06106	.10506	87.234	.05239
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0273**	**.04708**	**21.175**	**.04956**	**.19888**	**1.8200**	**3.8947**	**.20522**	**.15434**	**.09858**
Stddev	.0046	.00037	.074	.00046	.00123	.0322	.0688	.00084	.00009	.00137
%RSD	.44588	.78703	.34775	.93494	.61717	1.7671	1.7671	.41081	.06134	1.3922
#1	1.0241	.04734	21.123	.04923	.19975	1.7972	3.8461	.20581	.15427	.09761
#2	1.0306	.04682	21.227	.04989	.19801	1.8427	3.9434	.20462	.15440	.09955
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10098**	**.19352**	**.30039**	**.05024**	**.05632**	**.04737**
Stddev	.00007	.00022	.01334	.00008	.00021	.00013
%RSD	.06627	.11418	4.4422	.16118	.37548	.26417
#1	.10093	.19336	.30983	.05018	.05617	.04728
#2	.10103	.19368	.29095	.05030	.05646	.04746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6923.3**	**78981.**	**6439.5**
Stddev	2.2	234.	38.8
%RSD	.03178	.29669	.60186
#1	6921.8	79147.	6466.9
#2	6924.9	78816.	6412.1

Sample Name: 48773-c-1-ePDS@10 Acquired: 11/14/2013 18:26:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04611**	**1.1711**	**.20367**	**.21772**	**.10594**	**.04886**	**.00464**	**21.043**	**.04965**	**.04978**
Stddev	.00032	.0005	.00136	.00195	.00102	.00003	.00019	.069	.00045	.00030
%RSD	.68860	.04307	.66618	.89739	.96445	.05176	4.1873	.32970	.90070	.60176
#1	.04588	1.1714	.20271	.21910	.10522	.04887	.00451	20.993	.04996	.04999
#2	.04633	1.1707	.20462	.21634	.10666	.04884	.00478	21.092	.04933	.04957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05211**	**.04940**	**1.1139**	**20.013**	**.10604**	**20.692**	**.06172**	**.05286**	**102.70**	**.05202**
Stddev	.00050	.00013	.0017	.053	.00124	.083	.00040	.00012	.51	.00065
%RSD	.96890	.26828	.14779	.26599	1.1721	.40340	.64441	.22782	.50027	1.2545
#1	.05246	.04930	1.1128	19.975	.10692	20.751	.06200	.05294	102.34	.05249
#2	.05175	.04949	1.1151	20.051	.10516	20.633	.06144	.05277	103.06	.05156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0948**	**.09510**	**21.338**	**.09920**	**.20260**	**5.6352**	**12.059**	**.10074**	**.10732**	**.19956**
Stddev	.0192	.00050	.002	.00041	.00034	.0050	.011	.00124	.00083	.00119
%RSD	.91601	.52550	.00748	.40887	.17021	.08860	.08860	1.2308	.77221	.59821
#1	2.1084	.09475	21.339	.09891	.20236	5.6317	12.052	.10162	.10673	.19872
#2	2.0813	.09546	21.337	.09948	.20285	5.6387	12.067	.09986	.10791	.20040
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05044**	**.19372**	**.77623**	**.05110**	**.21312**	**.04425**
Stddev	.00069	.00145	.01080	.00077	.00064	.00178
%RSD	1.3772	.74772	1.3907	1.5040	.30128	4.0225
#1	.04995	.19475	.78386	.05165	.21266	.04551
#2	.05093	.19270	.76860	.05056	.21357	.04299
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6848.3**	**77302.**	**6373.7**
Stddev	8.6	115.	5.6
%RSD	.12579	.14887	.08712
#1	6842.2	77221.	6377.6
#2	6854.4	77384.	6369.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:28:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00351**	**49.638**	**-.00304**	**.00074**	**.00055**	**-.00001**	**1.0072**	**.01884**	**.00056**	**-.00075**	**.00031**	**-.00461**	**50.589**
Stddev	.00048	.080	.00401	.00030	.00033	.00003	.0027	.00196	.00006	.00007	.00010	.00022	.248
%RSD	13.604	.16114	131.89	40.546	60.950	434.76	.27242	10.412	9.8228	8.7900	30.802	4.8583	.49066
#1	-.00317	49.695	-.00020	.00053	.00031	-.00002	1.0091	.02022	.00060	-.00079	.00025	-.00477	50.765
#2	-.00385	49.582	-.00587	.00095	.00079	.00001	1.0052	.01745	.00052	-.00070	.00038	-.00445	50.414
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18970**	**.00339**	**.06803**	**-.00011**	**.00034**	**249.64**	**-.00092**	**.00434**	**-.00166**	**4.9342**	**.00080**	**-.00733**	**-.00080**
Stddev	.04638	.00206	.00206	.00008	.00001	.23	.00020	.00037	.00002	.0105	.00049	.00098	.00342
%RSD	24.451	60.838	3.0248	72.098	4.1947	.09194	21.227	8.5241	1.3957	.21336	61.734	13.331	427.30
#1	.15690	.00485	.06658	-.00016	.00035	249.48	-.00078	.00461	-.00168	4.9267	.00115	-.00664	-.00321
#2	.22250	.00193	.06949	-.00005	.00033	249.81	-.00106	.00408	-.00165	4.9416	.00045	-.00802	.00162
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.00032**	**.00004**	**4.9959**	**.00922**	**.00276**	F **7.8035**	**.00038**	**.00249**	**-.05929**
Stddev	.00731	.00009	.00008	.0033	.00017	.00043	.0754	.00058	.00030	.00114
%RSD	427.30	28.364	207.43	.06565	1.8429	15.515	.96674	151.64	11.888	1.9168
#1	-.00688	.00025	-.00002	4.9936	.00934	.00245	7.7502	-.00003	.00228	-.05849
#2	.00346	.00038	.00009	4.9983	.00910	.00306	7.8569	.00079	.00270	-.06009
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.8**	**77797.**	**6362.6**
Stddev	24.1	57.	46.9
%RSD	.34913	.07289	.73777
#1	6919.8	77837.	6329.5
#2	6885.7	77757.	6395.8

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:30:42 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51059**	**.52558**	**.99933**	**.49816**	**.49690**	**.48040**	**-.01060**	**4.8200**	**.48420**	**.49791**	**.51083**	**.49354**	**2.5395**
Stddev	.00005	.00174	.00289	.00086	.00046	.00237	.00192	.0469	.00034	.00132	.00110	.00013	.0195
%RSD	.00881	.33185	.28870	.17217	.09295	.49280	18.164	.97335	.07083	.26477	.21497	.02650	.76731
#1	.51055	.52682	1.0014	.49755	.49658	.47872	-.01196	4.8531	.48444	.49884	.51161	.49344	2.5257
#2	.51062	.52435	.99729	.49876	.49723	.48207	-.00923	4.7868	.48395	.49697	.51005	.49363	2.5532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.385**	**.97468**	**20.058**	**.49496**	**.50758**	**5.0340**	**.51530**	**.99491**	**.98117**	**-.00274**	**.99043**	**.99922**	**5.0134**
Stddev	.104	.00034	.001	.00093	.00244	.0115	.00130	.00650	.00620	.00334	.00210	.00347	.0699
%RSD	.21393	.03480	.00706	.18844	.47997	.22886	.25133	.65349	.63198	121.80	.21224	.34759	1.3946
#1	48.312	.97492	20.057	.49562	.50930	5.0259	.51621	.99951	.98555	-.00510	.99192	1.0017	4.9640
#2	48.458	.97444	20.059	.49430	.50585	5.0422	.51438	.99031	.97678	-.00038	.98895	.99676	5.0628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.729**	**1.0069**	**.49025**	**.00211**	**.49936**	**.99387**	**-.04442**	**.48987**	**.50742**	**.49045**
Stddev	.150	.0035	.00051	.00099	.00098	.00558	.02858	.00292	.00049	.00214
%RSD	1.3946	.34330	.10393	47.088	.19651	.56165	64.335	.59557	.09648	.43667
#1	10.623	1.0094	.48989	.00141	.50005	.99782	-.02421	.48780	.50707	.49196
#2	10.834	1.0045	.49061	.00281	.49866	.98992	-.06463	.49193	.50776	.48893
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6975.2**	**78869.**	**6442.4**
Stddev	49.3	174.	7.7
%RSD	.70744	.22064	.11939
#1	6940.4	78746.	6436.9
#2	7010.1	78992.	6447.8

Sample Name: CCB Acquired: 11/14/2013 18:32:51 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00076**	**.00161**	**-.00173**	**.00070**	**.00015**	**.00005**	**.00271**	**-.00211**	**-.00001**	**-.00004**	**.00001**	**-.00035**	**-.00693**
Stddev	.00040	.00246	.00193	.00045	.00002	.00005	.00089	.00055	.00002	.00014	.00005	.00018	.00027
%RSD	52.401	153.02	111.67	64.204	13.310	112.73	32.906	26.017	135.54	388.54	359.80	51.748	3.8851
#1	-.00048	-.00013	-.00036	.00102	.00017	.00001	.00208	-.00172	-.00002	-.00013	-.00002	-.00022	-.00674
#2	-.00104	.00335	-.00310	.00038	.00014	.00009	.00334	-.00250	.00000	.00006	.00005	-.00048	-.00712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04290**	**.00175**	**.00446**	**.00000**	**-.00003**	**.05394**	**-.00001**	**-.00056**	**-.00023**	**.00173**	F **.00730**	**-.00021**	**.00579**
Stddev	.00288	.00149	.00019	.00003	.00019	.00598	.00031	.00021	.00081	.00021	.00070	.00000	.01595
%RSD	6.7158	85.274	4.2505	1229.1	722.88	11.079	2443.9	38.380	358.29	12.351	9.6484	1.8563	275.44
#1	.04494	.00069	.00459	-.00002	-.00016	.05816	.00021	-.00071	.00035	.00158	.00681	-.00022	-.00549
#2	.04086	.00280	.00432	.00003	.00011	.04971	-.00023	-.00041	-.00080	.00189	.00780	-.00021	.01707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit											.00628		
Low Limit											-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01240**	**-.00075**	**-.00015**	**.00303**	**.00001**	**.00131**	**-.02656**	**-.00042**	**.00302**	**-.00112**
Stddev	.03414	.00071	.00002	.00046	.00003	.00034	.01450	.00005	.00006	.00021
%RSD	275.44	94.852	15.805	14.993	258.65	26.198	54.571	10.814	1.9127	19.253
#1	-.01175	-.00124	-.00017	.00336	-.00001	.00155	-.01631	-.00046	.00298	-.00127
#2	.03654	-.00025	-.00013	.00271	.00004	.00106	-.03681	-.00039	.00306	-.00096
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7128.3**	**82071.**	**6587.7**
Stddev	9.7	62.	6.2
%RSD	.13582	.07609	.09388
#1	7135.2	82116.	6592.0
#2	7121.5	82027.	6583.3

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:35:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.10987**	**.01363**	**.10082**	**.01050**	**.00104**	**.11421**	**.21735**	**.00497**	**.01041**	**.01076**	**.01506**	**.10555**
Stddev	.00008	.00057	.00039	.00075	.00018	.00006	.00233	.00315	.00002	.00015	.00001	.00007	.00013
%RSD	.84798	.51647	2.8375	.74706	1.7312	5.2920	2.0435	1.4489	.44637	1.4113	.06104	.46635	.12254
#1	.00985	.10946	.01390	.10028	.01037	.00108	.11256	.21512	.00495	.01030	.01075	.01511	.10546
#2	.00997	.11027	.01336	.10135	.01063	.00100	.11586	.21957	.00498	.01051	.01076	.01502	.10564
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0263**	**.01200**	**.21015**	**.01026**	**.02002**	**1.0773**	**.04321**	**2.9418**	**.00915**	**.00356**	**.01117**	**.01307**	**.50357**
Stddev	.0178	.00187	.00481	.00013	.00031	.0221	.00004	.0051	.00017	.00072	.00084	.00104	.03635
%RSD	.58865	15.577	2.2883	1.2860	1.5457	2.0504	.08895	.17351	1.8578	20.134	7.5430	7.9425	7.2184
#1	3.0389	.01068	.21355	.01035	.02024	1.0617	.04318	2.9382	.00927	.00305	.01058	.01234	.47786
#2	3.0137	.01332	.20675	.01016	.01980	1.0929	.04323	2.9454	.00903	.00406	.01177	.01381	.52927
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0776**	**.10325**	**.01005**	**.01611**	**.00994**	**.01623**	F **.09816**	**.00960**	**.02529**	**.01429**
Stddev	.0778	.00014	.00011	.00031	.00000	.00024	.00606	.00057	.00070	.00006
%RSD	7.2184	.13541	1.0954	1.9387	.02036	1.5084	6.1761	5.9351	2.7756	.45248
#1	1.0226	.10315	.00997	.01589	.00993	.01641	.09387	.00920	.02578	.01433
#2	1.1326	.10335	.01013	.01633	.00994	.01606	.10245	.01000	.02479	.01424
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.9**	**81904.**	**6582.2**
Stddev	2.8	656.	19.1
%RSD	.03989	.80070	.28949
#1	7098.9	81440.	6595.6
#2	7102.9	82368.	6568.7

Sample Name: 280-48773-c-4-c@10 Acquired: 11/14/2013 18:37:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00892**	**-.00089**	**.11557**	**.00187**	**.00007**	**.00316**	**5.2711**	**-.00016**	**-.00019**
Stddev	.00003	.00012	.00174	.00081	.00006	.00001	.00121	.0110	.00018	.00009
%RSD	5.6546	1.2967	195.91	.70396	2.9692	11.739	38.323	.20875	113.24	48.341
#1	-.00060	.00900	.00034	.11499	.00190	.00007	.00230	5.2789	-.00003	-.00013
#2	-.00055	.00884	-.00212	.11614	.00183	.00008	.00402	5.2633	-.00028	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00003**	**.02243**	**.08190**	**.00412**	**1.1494**	**.09103**	**.00042**	**89.102**	**.00036**
Stddev	.00003	.00029	.00258	.00203	.00034	.0059	.00048	.00003	.309	.00003
%RSD	61.663	843.83	11.487	2.4818	8.2350	.51614	.52938	6.2393	.34624	8.8692
#1	-.00003	.00024	.02425	.08333	.00436	1.1452	.09069	.00040	88.884	.00034
#2	-.00007	-.00017	.02061	.08046	.00388	1.1536	.09137	.00043	89.320	.00038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00041**	**30.067**	**.00064**	**-.00006**	**.48007**	**1.0273**	**.00114**	**.13074**	**.00210**
Stddev	.00046	.00073	.084	.00098	.00432	.01541	.0330	.00036	.00041	.00018
%RSD	264.32	178.55	.27801	154.21	7205.6	3.2104	3.2104	31.394	.31674	8.4996
#1	-.00015	-.00092	30.008	-.00006	.00299	.46917	1.0040	.00139	.13045	.00198
#2	.00050	.00011	30.126	.00133	-.00311	.49096	1.0507	.00088	.13103	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00056**	W **-.06963**	**.00042**	**.00578**	**-.00002**
Stddev	.00029	.00025	.00287	.00031	.00042	.00012
%RSD	127.70	45.298	4.1188	74.289	7.1902	627.35
#1	-.00043	.00038	-.06760	.00020	.00549	.00006
#2	-.00002	.00074	-.07165	.00064	.00607	-.00010
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7020.1**	**79868.**	**6597.6**
Stddev	27.0	503.	32.4
%RSD	.38516	.62942	.49075
#1	7001.0	80223.	6620.5
#2	7039.2	79513.	6574.7

Sample Name: 280-48773-c-5-c@10 Acquired: 11/14/2013 18:39:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00565**	**-.00101**	**.18345**	**.00179**	**.00004**	**.00409**	**8.4090**	**-.00025**	**-.00030**
Stddev	.00033	.00031	.00129	.00028	.00010	.00003	.00091	.0607	.00010	.00023
%RSD	130.79	5.5067	127.77	.15192	5.4340	62.946	22.114	.72218	38.726	77.496
#1	-.00049	.00587	-.00010	.18365	.00186	.00006	.00473	8.4520	-.00018	-.00013
#2	-.00002	.00543	-.00192	.18325	.00172	.00002	.00345	8.3661	-.00032	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00033**	**.01108**	**.13072**	**.01178**	**1.6815**	**.01583**	**.00066**	**121.31**	**.00033**
Stddev	.00014	.00010	.00408	.03352	.00224	.0046	.00001	.00012	.97	.00040
%RSD	230.06	29.363	36.854	25.646	19.032	.27568	.04532	18.704	.79720	122.88
#1	.00004	.00026	.00819	.10701	.01020	1.6782	.01582	.00057	121.99	.00004
#2	-.00016	.00040	.01397	.15442	.01337	1.6847	.01583	.00075	120.62	.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00393**	**-.00075**	**45.752**	**-.00029**	**.00249**	**.59239**	**1.2677**	**.00117**	**.23473**	**.00075**
Stddev	.00064	.00082	.013	.00314	.00102	.00656	.0140	.00047	.00127	.00013
%RSD	16.338	109.06	.02809	1069.1	40.811	1.1075	1.1075	40.027	.53897	17.911
#1	.00347	-.00017	45.743	-.00252	.00321	.58775	1.2578	.00151	.23563	.00066
#2	.00438	-.00133	45.761	.00193	.00177	.59703	1.2776	.00084	.23384	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00065**	**-.03203**	**.00050**	**.00566**	**-.00029**
Stddev	.00022	.00003	.04254	.00022	.00047	.00145
%RSD	566.91	4.4037	132.82	44.292	8.2545	500.48
#1	-.00019	.00067	-.06211	.00034	.00533	.00073
#2	.00012	.00063	-.00195	.00066	.00599	-.00131
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.5**	**80214.**	**6645.5**
Stddev	10.0	301.	1.4
%RSD	.14317	.37516	.02167
#1	7024.6	80427.	6644.4
#2	7010.4	80001.	6646.5

Sample Name: 280-48773-c-6-c@10 Acquired: 11/14/2013 18:42:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.01636**	**-.00025**	**.19387**	**.00088**	**-.00004**	**.00553**	**2.8631**	**-.00028**	**-.00016**
Stddev	.00038	.00025	.00213	.00011	.00028	.00005	.00067	.0179	.00014	.00009
%RSD	95.932	1.5366	863.46	.05587	31.361	148.05	12.084	.62455	50.903	56.125
#1	-.00066	.01619	.00126	.19380	.00108	.00000	.00506	2.8757	-.00037	-.00022
#2	-.00013	.01654	-.00175	.19395	.00069	-.00007	.00600	2.8504	-.00018	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**.00002**	**.01523**	**.12052**	**.03072**	**.54959**	**.00020**	**.00053**	**86.698**	**-.00004**
Stddev	.00015	.00006	.00142	.02322	.00270	.00707	.00003	.00009	1.169	.00021
%RSD	1387.9	402.45	9.3267	19.268	8.7922	1.2856	12.396	16.344	1.3480	503.46
#1	.00010	.00006	.01423	.13694	.03263	.54459	.00022	.00047	87.524	-.00019
#2	-.00012	-.00003	.01624	.10410	.02881	.55458	.00019	.00059	85.871	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00146**	**-.00029**	**38.081**	**.00022**	**.00848**	**.37818**	**.80931**	**.00100**	**.20186**	**.00096**
Stddev	.00133	.00118	.065	.00111	.00184	.01365	.02920	.00064	.00224	.00201
%RSD	91.197	412.59	.16982	503.64	21.744	3.6086	3.6086	64.243	1.1079	209.36
#1	.00240	.00055	38.036	-.00057	.00718	.38783	.82996	.00145	.20344	-.00046
#2	.00052	-.00112	38.127	.00101	.00979	.36853	.78866	.00054	.20028	.00238
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00105**	**.01892**	**.00121**	**.00584**	**.00229**
Stddev	.00010	.00012	.06570	.00011	.00002	.00017
%RSD	78.217	11.534	347.19	8.8273	.31907	7.3269
#1	-.00020	.00113	.06538	.00129	.00585	.00217
#2	-.00006	.00096	-.02754	.00113	.00583	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7048.7**	**79977.**	**6696.9**
Stddev	13.9	121.	79.3
%RSD	.19672	.15091	1.1845
#1	7038.9	80062.	6640.8
#2	7058.5	79891.	6753.0

Sample Name: 280-48773-c-7-c@10 Acquired: 11/14/2013 18:44:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**.00664**	**-.00268**	**.15445**	**.00096**	**-.00001**	**.00418**	**2.1026**	**-.00016**	**-.00024**
Stddev	.00093	.00053	.00147	.00042	.00012	.00008	.00119	.0037	.00008	.00005
%RSD	1158.7	7.9977	54.920	.27042	12.735	1385.5	28.414	.17503	52.130	18.819
#1	-.00058	.00626	-.00164	.15415	.00105	-.00007	.00502	2.1000	-.00022	-.00021
#2	-.00074	.00701	-.00372	.15475	.00088	.00005	.00334	2.1052	-.00010	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00001**	**.01011**	**.20400**	**.04624**	**.26538**	**.00024**	**-.00002**	**100.16**	**-.00001**
Stddev	.00006	.00036	.00079	.02599	.00148	.00317	.00000	.00015	.38	.00016
%RSD	88.955	2720.1	7.8572	12.740	3.1952	1.1934	1.7941	650.02	.37589	1308.5
#1	.00002	.00024	.00955	.22237	.04520	.26762	.00024	.00008	99.893	-.00012
#2	.00010	-.00026	.01068	.18562	.04728	.26314	.00023	-.00013	100.42	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00042**	**-.00088**	**35.744**	**.00087**	**.00727**	**.42582**	**.91126**	**.00085**	**.16400**	**.00061**
Stddev	.00063	.00074	.085	.00399	.00117	.01539	.03294	.00088	.00022	.00075
%RSD	151.94	83.710	.23675	460.44	16.127	3.6145	3.6145	103.47	.13511	123.48
#1	-.00086	-.00036	35.804	.00368	.00810	.43670	.93455	.00023	.16385	.00114
#2	.00003	-.00140	35.684	-.00195	.00644	.41494	.88797	.00148	.16416	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00017**	**.00049**	**.00794**	**.00406**	**.00561**	**.00039**
Stddev	.00009	.00043	.01439	.00009	.00034	.00003
%RSD	53.273	88.345	181.16	2.3230	6.0472	7.7327
#1	-.00011	.00079	-.00223	.00399	.00537	.00037
#2	-.00023	.00018	.01812	.00413	.00585	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7039.1**	**80631.**	**6753.7**
Stddev	3.5	259.	44.5
%RSD	.05020	.32161	.65861
#1	7041.6	80448.	6722.2
#2	7036.6	80815.	6785.1

Sample Name: 280-48773-c-8-e@10 Acquired: 11/14/2013 18:46:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199584 6010C Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00056**	**.00882**	**-.00158**	**.14314**	**.00135**	**.00003**	**.00413**	**4.8627**	**-.00006**	**-.00019**
Stddev	.00023	.00026	.00024	.00030	.00006	.00001	.00286	.0153	.00005	.00012
%RSD	41.096	2.9683	14.867	.20709	4.4805	38.248	69.300	.31443	73.395	62.806
#1	-.00039	.00901	-.00142	.14293	.00131	.00003	.00615	4.8519	-.00009	-.00027
#2	-.00072	.00864	-.00175	.14335	.00140	.00002	.00211	4.8735	-.00003	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00033**	**.01791**	**.10460**	**.01604**	**1.1381**	**.00074**	**.00009**	**95.275**	**-.00010**
Stddev	.00003	.00018	.00270	.03502	.00045	.0030	.00005	.00008	.320	.00003
%RSD	21.741	54.809	15.094	33.485	2.7868	.26603	6.5722	88.865	.33617	34.249
#1	.00011	-.00046	.01600	.07983	.01572	1.1402	.00077	.00003	95.501	-.00008
#2	.00015	-.00020	.01983	.12937	.01635	1.1360	.00070	.00015	95.048	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00432**	**-.00034**	**33.277**	**-.00015**	**.00400**	**.45578**	**.97537**	**.00163**	**.17483**	**.00184**
Stddev	.00002	.00022	.057	.00094	.00011	.01160	.02483	.00002	.00075	.00224
%RSD	.50573	65.035	.17216	614.35	2.7058	2.5462	2.5462	1.1487	.43032	122.01
#1	.00434	-.00018	33.237	-.00082	.00392	.44757	.95781	.00164	.17430	.00342
#2	.00431	-.00049	33.318	.00051	.00407	.46399	.99293	.00162	.17537	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00107**	W **-.05540**	**-.00027**	**.00684**	**-.00054**
Stddev	.00006	.00038	.05373	.00019	.00083	.00124
%RSD	56.936	35.812	96.998	69.097	12.107	228.64
#1	-.00006	.00134	-.09339	-.00041	.00742	.00034
#2	-.00015	.00080	-.01740	-.00014	.00625	-.00142
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7013.5**	**80560.**	**6718.2**
Stddev	12.9	259.	23.1
%RSD	.18345	.32110	.34385
#1	7004.4	80377.	6701.8
#2	7022.6	80743.	6734.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 18:49:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00393**	**49.823**	**-.00257**	**.00054**	**.00054**	**-.00005**	**1.0295**	**.01462**	**.00074**	**-.00098**	**.00025**	**-.00442**	**50.978**
Stddev	.00054	.203	.00182	.00009	.00015	.00001	.0115	.00112	.00016	.00002	.00002	.00052	.364
%RSD	13.622	.40776	70.857	17.298	26.785	28.390	1.1153	7.6432	21.760	1.7234	9.8667	11.749	.71369
#1	-.00431	49.966	-.00386	.00061	.00065	-.00006	1.0377	.01541	.00085	-.00099	.00023	-.00405	51.235
#2	-.00356	49.679	-.00128	.00048	.00044	-.00004	1.0214	.01383	.00063	-.00096	.00027	-.00479	50.720
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.08272**	**.00228**	**.06709**	**-.00013**	**.00058**	**251.89**	**-.00087**	**.00171**	**-.00172**	**5.0346**	**-.00115**	**-.00635**	**-.00074**
Stddev	.00447	.00012	.00565	.00005	.00007	.55	.00005	.00047	.00036	.0527	.00441	.00054	.00848
%RSD	5.4051	5.1710	8.4179	37.974	12.157	.21658	5.9748	27.231	21.092	1.0472	382.02	8.5309	1147.7
#1	.08588	.00219	.07108	-.00017	.00063	252.27	-.00084	.00138	-.00146	5.0719	.00196	-.00674	-.00673
#2	.07956	.00236	.06309	-.00010	.00053	251.50	-.00091	.00204	-.00198	4.9973	-.00427	-.00597	.00525
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**-.00082**	**.00007**	**5.0232**	**.00991**	**.00219**	F **7.9818**	**.00058**	**.00227**	**-.06084**
Stddev	.01814	.00099	.00002	.0173	.00027	.00066	.0352	.00044	.00004	.00079
%RSD	1147.7	121.24	23.032	.34504	2.7484	30.391	.44039	75.370	1.6094	1.3043
#1	-.01441	-.00152	.00008	5.0110	.01011	.00172	8.0067	.00027	.00224	-.06028
#2	.01125	-.00012	.00006	5.0355	.00972	.00266	7.9569	.00089	.00229	-.06140
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.4**	**79818.**	**6719.9**
Stddev	1.9	361.	8.3
%RSD	.02704	.45263	.12290
#1	7054.8	80073.	6725.7
#2	7052.1	79562.	6714.0

Sample Name: CCV-2372889 Acquired: 11/14/2013 18:52:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51063**	**.51814**	**1.0081**	**.50547**	**.49809**	**.48283**	**-.01148**	**4.8451**	**.48944**	**.50059**	**.51297**	**.49783**	**2.5309**
Stddev	.00115	.00022	.0057	.00084	.00230	.00059	.00045	.0232	.00073	.00081	.00085	.00051	.0055
%RSD	.22499	.04167	.56251	.16538	.46236	.12262	3.9608	.47839	.15002	.16103	.16657	.10279	.21695
#1	.51144	.51799	1.0041	.50488	.49972	.48325	-.01116	4.8287	.48892	.50002	.51237	.49819	2.5270
#2	.50982	.51830	1.0121	.50606	.49646	.48241	-.01180	4.8614	.48996	.50116	.51357	.49747	2.5348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.350**	**.97836**	**19.782**	**.49059**	**.51105**	**5.0716**	**.51449**	**1.0046**	**.98421**	**.00065**	**1.0085**	**1.0115**	**4.9722**
Stddev	.132	.00211	.000	.00059	.00283	.0049	.00012	.0026	.00492	.00114	.0014	.0021	.0418
%RSD	.27238	.21561	.00035	.12106	.55324	.09699	.02396	.25607	.50001	175.60	.14027	.20781	.84130
#1	48.443	.97985	19.782	.49017	.51305	5.0750	.51458	1.0064	.98769	-.00016	1.0075	1.0101	4.9426
#2	48.257	.97687	19.782	.49101	.50905	5.0681	.51440	1.0027	.98073	.00145	1.0095	1.0130	5.0018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.640**	**1.0141**	**.49271**	**.00327**	**.49646**	**1.0031**	**-.02220**	**.48549**	**.49738**	**.48792**
Stddev	.090	.0017	.00038	.00114	.00021	.0021	.01892	.00092	.00039	.00116
%RSD	.84130	.17206	.07658	34.727	.04160	.20993	85.247	.18921	.07779	.23693
#1	10.577	1.0129	.49298	.00408	.49660	1.0016	-.03558	.48484	.49710	.48711
#2	10.704	1.0153	.49244	.00247	.49631	1.0046	-.00882	.48614	.49765	.48874
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7116.6**	**81443.**	**6711.1**
Stddev	6.1	1.	27.0
%RSD	.08606	.00126	.40227
#1	7121.0	81444.	6730.2
#2	7112.3	81443.	6692.1

Sample Name: CCB Acquired: 11/14/2013 18:54:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00044**	**-.00011**	**-.00153**	**.00044**	**.00031**	**.00007**	**.00427**	**-.00384**	**-.00008**	**-.00002**	**-.00007**	**-.00066**
Stddev	.00026	.00000	.00199	.00048	.00006	.00011	.00075	.00691	.00012	.00006	.00000	.00004
%RSD	59.281	2.1795	129.46	108.49	19.388	160.79	17.504	179.83	158.56	269.98	5.7703	5.9765
#1	-.00026	-.00011	-.00013	.00078	.00035	-.00001	.00374	-.00873	.00001	-.00007	-.00007	-.00068
#2	-.00062	-.00011	-.00294	.00010	.00027	.00014	.00480	.00104	-.00016	.00002	-.00008	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.11067**	**.00162**	**.00272**	**.00006**	**.00023**	**.06146**	**-.00022**	**.00003**	**-.00004**	**.00148**	W **.00521**
Stddev	.00168	.03401	.00049	.00231	.00003	.00016	.00354	.00004	.00088	.00073	.00017	.00123
%RSD	111.06	30.734	29.997	84.926	47.196	70.134	5.7574	19.741	2528.9	1895.0	11.573	23.703
#1	-.00270	.13472	.00197	.00109	.00004	.00035	.05896	-.00019	-.00059	.00048	.00160	.00434
#2	-.00032	.08662	.00128	.00436	.00008	.00012	.06396	-.00026	.00065	-.00056	.00136	.00608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit												.00314
Low Limit												-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00202**	**.00048**	**.00104**	**-.00072**	**-.00010**	**.00225**	**-.00002**	**.00163**	**-.04003**	**-.00009**	**.00304**	**-.00169**
Stddev	.00130	.00078	.00167	.00031	.00003	.00175	.00012	.00131	.07050	.00023	.00044	.00019
%RSD	64.644	160.92	160.92	42.645	29.215	77.983	610.33	80.671	176.11	256.38	14.617	11.139
#1	.00294	-.00007	-.00014	-.00093	-.00012	.00349	.00006	.00256	-.08988	-.00025	.00272	-.00182
#2	.00110	.00103	.00221	-.00050	-.00008	.00101	-.00010	.00070	.00982	.00007	.00335	-.00156
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.0**	**83416.**	**6666.9**
Stddev	5.2	167.	5.4
%RSD	.07275	.19996	.08042
#1	7191.3	83534.	6663.1
#2	7198.7	83298.	6670.7

Sample Name: CCVL-2379751 Acquired: 11/14/2013 18:56:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00950**	**.11047**	**.01178**	**.10160**	**.01031**	**.00101**	**.11795**	**.21676**	**.00509**	**.01033**	**.01080**	**.01472**	**.10571**
Stddev	.00017	.00034	.00156	.00078	.00004	.00018	.00125	.00108	.00010	.00003	.00011	.00027	.00136
%RSD	1.8382	.30421	13.222	.77171	.34764	17.592	1.0623	.49919	1.9162	.25660	.98551	1.8357	1.2827
#1	.00962	.11023	.01068	.10104	.01034	.00114	.11707	.21600	.00502	.01031	.01072	.01491	.10475
#2	.00938	.11071	.01288	.10215	.01029	.00088	.11884	.21753	.00516	.01034	.01087	.01453	.10667
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0632**	**.01047**	**.21297**	**.01037**	**.02023**	**1.0961**	**.04326**	**2.9695**	**.00983**	**.00345**	**.01168**	**.01524**	**.51102**
Stddev	.0566	.00005	.00189	.00000	.00009	.0012	.00020	.0061	.00123	.00106	.00180	.00256	.00587
%RSD	1.8461	.49576	.88765	.02647	.44913	.11124	.46466	.20397	12.563	30.639	15.375	16.796	1.1495
#1	3.0232	.01050	.21163	.01037	.02017	1.0970	.04312	2.9653	.00895	.00270	.01295	.01705	.51517
#2	3.1031	.01043	.21430	.01036	.02030	1.0953	.04340	2.9738	.01070	.00419	.01041	.01343	.50687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0936**	**.10419**	**.01011**	**.01665**	**.00991**	**.01696**	F **.09808**	**.01008**	**.02524**	**.01511**
Stddev	.0126	.00027	.00003	.00084	.00025	.00017	.04793	.00014	.00009	.00243
%RSD	1.1495	.26014	.25717	5.0672	2.4907	1.0177	48.869	1.4007	.36241	16.067
#1	1.1025	.10438	.01013	.01725	.00974	.01683	.06419	.00998	.02530	.01339
#2	1.0847	.10400	.01009	.01605	.01009	.01708	.13197	.01018	.02517	.01682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7162.4**	**82054.**	**6720.4**
Stddev	1.5	659.	18.7
%RSD	.02117	.80257	.27867
#1	7161.3	82520.	6733.7
#2	7163.4	81589.	6707.2

Sample Name: mb 280-200691/1-a Acquired: 11/14/2013 18:58:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.01714**	**-.00219**	**.00020**	**.00009**	**.00003**	**.00304**	**.00731**	**-.00015**	**.00004**
Stddev	.00002	.00046	.00115	.00029	.00018	.00006	.00079	.00077	.00013	.00004
%RSD	2.6893	2.7070	52.651	141.98	203.59	243.58	26.055	10.495	84.690	111.28
#1	-.00069	.01747	-.00301	.00000	-.00004	.00007	.00248	.00786	-.00024	.00001
#2	-.00066	.01681	-.00138	.00041	.00021	-.00002	.00360	.00677	-.00006	.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00030**	**.02196**	**.09084**	**.00131**	**.03879**	**.00035**	**-.00027**	**.05401**	**.00014**
Stddev	.00002	.00036	.00196	.03223	.00094	.00280	.00003	.00007	.01035	.00004
%RSD	20.236	121.36	8.9199	35.478	71.649	7.2251	8.6213	26.920	19.172	26.285
#1	.00010	-.00056	.02335	.06805	.00065	.03681	.00038	-.00032	.06133	.00017
#2	.00008	-.00004	.02058	.11363	.00197	.04077	.00033	-.00022	.04669	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00118**	**-.00068**	**.00577**	**.00191**	**-.00047**	**.06351**	**.13591**	**-.00080**	**-.00015**	**.00196**
Stddev	.00031	.00031	.00285	.00098	.00039	.01036	.02218	.00009	.00001	.00088
%RSD	26.132	45.425	49.430	51.275	84.494	16.320	16.320	11.679	6.1710	44.777
#1	.00096	-.00090	.00375	.00260	-.00074	.05618	.12022	-.00087	-.00015	.00258
#2	.00140	-.00046	.00779	.00122	-.00019	.07084	.15159	-.00073	-.00014	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00236**	**-.00003**	**-.00551**	**.00046**	**.00362**	**-.00202**
Stddev	.00009	.00040	.01808	.00056	.00019	.00070
%RSD	3.9093	1325.9	327.86	121.21	5.2830	34.509
#1	.00230	-.00032	-.01830	.00007	.00375	-.00252
#2	.00243	.00026	.00727	.00085	.00348	-.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7269.1**	**84013.**	**6793.9**
Stddev	17.5	530.	25.4
%RSD	.24124	.63110	.37359
#1	7256.7	84388.	6776.0
#2	7281.5	83638.	6811.9

Sample Name: lcs 280-200691/2-a Acquired: 11/14/2013 19:01:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04989**	**1.9602**	**1.0064**	**1.0301**	**1.9875**	**.04799**	**2.0749**	**46.685**	**.09821**	**.48665**
Stddev	.00002	.0052	.0046	.0029	.0019	.00014	.0114	.057	.00050	.00177
%RSD	.04895	.26642	.45664	.28674	.09679	.28539	.54948	.12115	.51296	.36400
#1	.04991	1.9638	1.0096	1.0322	1.9862	.04790	2.0830	46.725	.09857	.48791
#2	.04987	1.9565	1.0031	1.0281	1.9889	.04809	2.0669	46.645	.09786	.48540
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20592**	**.24683**	**1.0128**	**48.675**	**.98363**	**49.556**	**.48305**	**1.0270**	**50.734**	**.50245**
Stddev	.00100	.00100	.0010	.030	.00114	.035	.00033	.0035	.220	.00372
%RSD	.48698	.40698	.10378	.06231	.11614	.07041	.06909	.34167	.43389	.73945
#1	.20663	.24754	1.0135	48.697	.98282	49.581	.48281	1.0295	50.579	.50507
#2	.20521	.24612	1.0120	48.654	.98443	49.531	.48328	1.0246	50.890	.49982
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.255**	**.47276**	**.02119**	**.50885**	**2.0469**	**10.063**	**21.535**	**2.0209**	**.98135**	**.98582**
Stddev	.051	.00017	.02334	.00183	.0023	.041	.088	.0017	.00078	.00202
%RSD	.50042	.03617	110.14	.35873	.11440	.40693	.40693	.08424	.07967	.20449
#1	10.292	.47288	.00469	.51014	2.0486	10.034	21.473	2.0221	.98190	.98724
#2	10.219	.47264	.03770	.50756	2.0453	10.092	21.597	2.0197	.98080	.98439
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0055**	**1.9211**	F **3.2093**	**.48673**	**.48785**	**.48474**
Stddev	.0008	.0055	.0566	.00198	.00044	.00064
%RSD	.07433	.28544	1.7653	.40664	.08936	.13238
#1	1.0050	1.9250	3.1692	.48813	.48754	.48429
#2	1.0061	1.9172	3.2494	.48533	.48815	.48520
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6981.1**	**80021.**	**6805.6**
Stddev	25.5	9.	6.5
%RSD	.36504	.01181	.09490
#1	6963.1	80027.	6801.0
#2	6999.1	80014.	6810.1

Sample Name: 280-48945-d-2-b Acquired: 11/14/2013 19:03:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.00734**	**.01766**	**.09826**	**.50968**	**.00002**	**-.00015**	**103.93**	**.00039**	**-.00006**
Stddev	.00004	.00005	.00023	.00012	.00162	.00004	.00123	.20	.00003	.00016
%RSD	6.7760	.74838	1.2847	.12527	.31704	221.35	815.21	.18951	6.5768	280.00
#1	-.00060	.00737	.01782	.09835	.50853	.00004	.00072	103.79	.00037	-.00017
#2	-.00055	.00730	.01750	.09818	.51082	-.00001	-.00102	104.07	.00041	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**.00029**	**9.7553**	**.55800**	**.00997**	**43.492**	**.48151**	**.01268**	**44.196**	**.00056**
Stddev	.00006	.00024	.0018	.03450	.00026	.081	.00150	.00010	.033	.00005
%RSD	50.042	84.609	.01791	6.1830	2.6180	.18685	.31238	.78941	.07486	8.6559
#1	.00017	.00046	9.7541	.58240	.01015	43.435	.48045	.01261	44.219	.00052
#2	.00008	.00011	9.7565	.53361	.00978	43.549	.48258	.01275	44.173	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05099**	**.00084**	**.62790**	**.00042**	**-.00045**	**10.901**	**23.328**	**-.00009**	**.68184**	**.00239**
Stddev	.00074	.00002	.00302	.00013	.00197	.001	.003	.00034	.00141	.00154
%RSD	1.4600	2.3333	.48160	31.770	435.73	.01101	.01101	366.56	.20708	64.508
#1	.05046	.00085	.62576	.00052	-.00185	10.900	23.326	.00015	.68085	.00130
#2	.05151	.00082	.63004	.00033	.00094	10.902	23.330	-.00033	.68284	.00348
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00182**	**.00010**	**.00157**	**.00450**	**-.00068**
Stddev	.00010	.00028	.01645	.00050	.00003	.00126
%RSD	36.696	15.383	16683.	31.681	.63960	186.26
#1	.00033	.00202	.01173	.00192	.00452	-.00157
#2	.00019	.00162	-.01154	.00122	.00448	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7009.4**	**80257.**	**6751.1**
Stddev	22.3	477.	29.2
%RSD	.31788	.59410	.43302
#1	6993.7	80594.	6730.4
#2	7025.2	79920.	6771.8

Sample Name: 280-48945-d-2-bSD@5 Acquired: 11/14/2013 19:05:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00025**	**.00765**	**.00262**	**.01998**	**.10272**	**.00001**	**.00338**	**20.686**	**.00012**	**-.00007**
Stddev	.00010	.00041	.00135	.00032	.00011	.00012	.00091	.094	.00009	.00021
%RSD	40.346	5.3361	51.369	1.5890	.10389	1086.1	26.895	.45456	75.751	324.08
#1	-.00033	.00794	.00167	.02021	.10265	-.00007	.00273	20.620	.00006	.00008
#2	-.00018	.00736	.00357	.01976	.10280	.00009	.00402	20.753	.00019	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00001**	**-.00032**	**1.9909**	**.12897**	**.00215**	**8.6557**	**.09731**	**.00237**	**8.4205**	**-.00011**
Stddev	.00024	.00019	.0101	.02116	.00011	.0146	.00027	.00005	.0251	.00028
%RSD	3148.5	57.638	.50518	16.406	5.1244	.16832	.27554	2.0021	.29766	265.63
#1	.00017	-.00019	1.9838	.14393	.00223	8.6454	.09712	.00233	8.4382	-.00031
#2	-.00018	-.00046	1.9980	.11401	.00207	8.6660	.09750	.00240	8.4028	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00928**	**-.00069**	**.11833**	**-.00278**	**.00061**	**2.1580**	**4.6181**	**.00156**	**.13608**	**.00209**
Stddev	.00057	.00014	.00089	.00042	.00246	.0110	.0236	.00089	.00009	.00088
%RSD	6.1435	21.145	.75536	15.025	403.35	.51032	.51032	57.062	.06597	42.018
#1	.00968	-.00079	.11770	-.00308	.00235	2.1502	4.6015	.00218	.13602	.00147
#2	.00888	-.00058	.11896	-.00249	-.00113	2.1658	4.6348	.00093	.13614	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00016**	**.00105**	**-.01081**	**.00063**	**.00513**	**.00006**
Stddev	.00004	.00031	.02118	.00053	.00001	.00047
%RSD	28.158	29.681	195.91	84.355	.25184	797.20
#1	-.00019	.00127	-.02579	.00025	.00512	.00039
#2	-.00013	.00083	.00417	.00100	.00514	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7190.3**	**82666.**	**6798.3**
Stddev	23.5	87.	36.6
%RSD	.32711	.10536	.53886
#1	7173.7	82728.	6824.2
#2	7206.9	82605.	6772.4

Sample Name: 280-48945-d-2-c ms Acquired: 11/14/2013 19:08:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05186**	**1.9232**	**1.0556**	**1.2059**	**2.4934**	**.04848**	F **2.1086**	**146.25**	**.10025**	**.48180**
Stddev	.00052	.0008	.0025	.0013	.0035	.00000	.0015	.36	.00028	.00053
%RSD	.99491	.04344	.23958	.11096	.13933	.00893	.07207	.24791	.27784	.10982
#1	.05149	1.9238	1.0574	1.2050	2.4958	.04848	2.1075	146.51	.10005	.48142
#2	.05222	1.9226	1.0538	1.2069	2.4909	.04847	2.1097	146.00	.10045	.48217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20684**	**.25484**	**10.338**	**50.464**	**1.0172**	**92.065**	**.94676**	**1.1100**	**92.660**	**.49882**
Stddev	.00002	.00025	.048	.076	.0039	.243	.00217	.0000	.208	.00096
%RSD	.00861	.09839	.46762	.15009	.38456	.26393	.22930	.00347	.22399	.19258
#1	.20683	.25466	10.372	50.517	1.0199	92.237	.94830	1.1101	92.807	.49950
#2	.20685	.25501	10.304	50.410	1.0144	91.893	.94523	1.1100	92.514	.49814
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.602**	**.46627**	**.59638**	**.54788**	**2.0826**	**21.357**	**45.704**	W **2.1196**	**1.6471**	**1.0016**
Stddev	.010	.00116	.00096	.00716	.0138	.047	.101	.0060	.0038	.0049
%RSD	.09838	.24926	.16092	1.3064	.66298	.22189	.22189	.28512	.22799	.49362
#1	10.610	.46545	.59706	.54282	2.0729	21.324	45.633	2.1153	1.6498	1.0051
#2	10.595	.46710	.59571	.55294	2.0924	21.391	45.776	2.1239	1.6445	.99807
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0817**	**1.8621**	**3.1900**	**.49195**	**.48413**	**.51737**
Stddev	.0027	.0029	.0826	.00263	.00495	.00210
%RSD	.24680	.15733	2.5899	.53409	1.0223	.40576
#1	1.0836	1.8601	3.2485	.49381	.48763	.51588
#2	1.0798	1.8642	3.1316	.49009	.48063	.51885
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6851.3**	**78552.**	**6640.0**
Stddev	13.8	386.	12.2
%RSD	.20086	.49180	.18447
#1	6841.5	78279.	6631.3
#2	6861.0	78825.	6648.6

Sample Name: 280-48945-d-2-d msd Acquired: 11/14/2013 19:10:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05146**	**1.9405**	**1.0629**	**1.2335**	**2.5361**	**.04890**	F **2.1220**	**149.24**	**.10137**	**.48703**
Stddev	.00092	.0014	.0001	.0005	.0065	.00043	.0046	.35	.00024	.00046
%RSD	1.7841	.07362	.01185	.04307	.25483	.87770	.21615	.23155	.23882	.09437
#1	.05211	1.9415	1.0630	1.2339	2.5406	.04920	2.1188	149.48	.10120	.48736
#2	.05081	1.9395	1.0629	1.2331	2.5315	.04859	2.1253	148.99	.10155	.48671
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20872**	**.25590**	**10.649**	**50.827**	**1.0277**	**93.001**	**.95889**	**1.1333**	**94.901**	**.50336**
Stddev	.00014	.00029	.003	.154	.0031	.045	.00174	.0001	.355	.00194
%RSD	.06643	.11477	.03186	.30214	.29864	.04844	.18193	.00988	.37458	.38515
#1	.20882	.25570	10.652	50.935	1.0299	93.033	.96013	1.1333	95.152	.50473
#2	.20863	.25611	10.647	50.718	1.0256	92.969	.95766	1.1334	94.649	.50199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.701**	**.46900**	**.61473**	**.56145**	**2.1080**	**21.870**	**46.802**	W **2.1830**	**1.6814**	**1.0066**
Stddev	.002	.00017	.00807	.00239	.0098	.014	.030	.0033	.0055	.0010
%RSD	.02224	.03677	1.3134	.42620	.46565	.06378	.06378	.15047	.32877	.09792
#1	10.699	.46912	.60902	.55976	2.1011	21.860	46.781	2.1853	1.6853	1.0059
#2	10.703	.46888	.62043	.56314	2.1150	21.880	46.824	2.1807	1.6775	1.0073
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1000**	**1.8878**	**3.2449**	**.49451**	**.48434**	**.52779**
Stddev	.0008	.0003	.0171	.00068	.00035	.00004
%RSD	.07469	.01374	.52584	.13659	.07227	.00813
#1	1.1006	1.8880	3.2570	.49403	.48459	.52776
#2	1.0994	1.8876	3.2328	.49499	.48409	.52782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6839.2**	**78715.**	**6825.2**
Stddev	19.1	228.	24.0
%RSD	.27974	.29007	.35202
#1	6825.6	78553.	6842.2
#2	6852.7	78876.	6808.2

Sample Name: 280-48945-d-2-bPDS Acquired: 11/14/2013 19:12:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04490**	**.96861**	**.21877**	**.20208**	**.59543**	**.04693**	**-.00029**	**119.07**	**.04925**	**.04713**
Stddev	.00037	.00429	.00106	.00073	.00175	.00030	.00014	.75	.00016	.00004
%RSD	.82986	.44258	.48618	.35985	.29343	.63635	47.500	.62905	.32607	.07957
#1	.04463	.97164	.21801	.20157	.59420	.04672	-.00019	118.54	.04914	.04711
#2	.04516	.96558	.21952	.20260	.59667	.04714	-.00038	119.60	.04936	.04716
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05015**	**.04955**	**10.464**	**19.726**	**.10773**	**61.557**	**.51718**	**.06293**	**62.776**	**.04968**
Stddev	.00003	.00034	.017	.173	.00070	.001	.00012	.00020	.289	.00004
%RSD	.06052	.68624	.16475	.87548	.65180	.00087	.02320	.31479	.46044	.07974
#1	.05013	.04979	10.452	19.604	.10723	61.557	.51709	.06279	62.572	.04965
#2	.05018	.04931	10.476	19.848	.10822	61.556	.51726	.06307	62.981	.04971
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1108**	**.09142**	**.61606**	**.10173**	**.20098**	**15.538**	**33.250**	**.09781**	**.71666**	**.19184**
Stddev	.0054	.00113	.00066	.00171	.00028	.030	.063	.00127	.00236	.00115
%RSD	.25664	1.2371	.10762	1.6775	.13947	.19011	.19011	1.2994	.32976	.60047
#1	2.1069	.09062	.61559	.10053	.20118	15.517	33.206	.09871	.71498	.19102
#2	2.1146	.09222	.61652	.10294	.20078	15.558	33.295	.09691	.71833	.19265
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05016**	**.18441**	**.72104**	**.04852**	**.19344**	**.04636**
Stddev	.00018	.00017	.04155	.00025	.00130	.00122
%RSD	.36436	.09290	5.7630	.52145	.67035	2.6278
#1	.05029	.18453	.75042	.04870	.19435	.04550
#2	.05003	.18429	.69165	.04834	.19252	.04722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6942.5**	**80161.**	**6884.6**
Stddev	16.8	410.	36.4
%RSD	.24229	.51188	.52907
#1	6930.6	79871.	6910.4
#2	6954.4	80451.	6858.8

Sample Name: 280-48945-d-3-b Acquired: 11/14/2013 19:14:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.02615**	**.03229**	**.08145**	**.53552**	**-.00001**	**.00063**	**83.133**	**.00055**	**-.00017**
Stddev	.00017	.00029	.00307	.00024	.00288	.00007	.00088	.510	.00014	.00002
%RSD	27.063	1.0947	9.5011	.29679	.53840	925.15	138.77	.61396	25.419	11.517
#1	-.00051	.02635	.03012	.08128	.53348	.00004	.00125	82.772	.00065	-.00015
#2	-.00075	.02594	.03446	.08162	.53756	-.00005	.00001	83.494	.00045	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00093**	**.00115**	**11.403**	**1.9752**	**.00847**	**40.863**	**.32701**	**.01053**	**229.05**	**.00115**
Stddev	.00011	.00028	.065	.0129	.00050	.346	.00223	.00011	.56	.00027
%RSD	11.920	24.800	.56658	.65238	5.8862	.84730	.68186	1.0306	.24628	23.384
#1	.00101	.00094	11.357	1.9843	.00812	41.107	.32859	.01046	228.65	.00096
#2	.00085	.00135	11.448	1.9661	.00882	40.618	.32543	.01061	229.45	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20460**	**-.00169**	**6.8835**	**-.00118**	**.00180**	**10.463**	**22.391**	**-.00043**	**.57192**	**.00014**
Stddev	.00087	.00013	.0349	.00080	.00224	.062	.133	.00027	.00347	.00066
%RSD	.42713	7.5456	.50681	67.592	124.35	.59454	.59454	62.871	.60687	472.95
#1	.20522	-.00160	6.8588	-.00174	.00338	10.419	22.297	-.00024	.56947	.00061
#2	.20399	-.00178	6.9082	-.00061	.00022	10.507	22.485	-.00062	.57438	-.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00333**	**.00031**	**-.01703**	**.00645**	**.00558**	**.00120**
Stddev	.00033	.00063	.02712	.00067	.00047	.00046
%RSD	9.8089	203.71	159.26	10.414	8.4826	38.385
#1	.00310	.00076	-.03620	.00598	.00591	.00088
#2	.00357	-.00014	.00215	.00693	.00524	.00153
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6910.8**	**79366.**	**6870.5**
Stddev	6.6	215.	90.2
%RSD	.09613	.27150	1.3122
#1	6906.1	79214.	6934.3
#2	6915.5	79519.	6806.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 19:17:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00479**	**49.530**	**-.00240**	**.00243**	**.00048**	**-.00005**	**1.0341**	**.01860**	**.00069**	**-.00096**	**.00018**	**-.00454**	**49.821**
Stddev	.00032	.065	.00088	.00002	.00005	.00001	.0003	.00187	.00005	.00028	.00003	.00025	.008
%RSD	6.7802	.13120	36.558	.69950	9.4800	11.066	.03236	10.080	7.4082	28.778	17.900	5.6087	.01692
#1	-.00502	49.576	-.00178	.00244	.00051	-.00005	1.0343	.01993	.00065	-.00077	.00016	-.00436	49.815
#2	-.00456	49.484	-.00302	.00242	.00045	-.00005	1.0338	.01727	.00073	-.00116	.00020	-.00473	49.827
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19876**	**.00271**	**.06748**	**-.00019**	**.00049**	**249.97**	**-.00066**	**.00449**	**-.00297**	**5.0426**	**.00096**	**-.00359**	**.01611**
Stddev	.01384	.00051	.00187	.00004	.00030	.02	.00031	.00149	.00094	.0043	.00185	.00323	.01002
%RSD	6.9649	18.653	2.7733	20.371	61.796	.00984	46.570	33.327	31.533	.08454	192.84	90.200	62.180
#1	.18897	.00306	.06880	-.00021	.00028	249.99	-.00087	.00343	-.00231	5.0395	.00227	-.00130	.00903
#2	.20854	.00235	.06616	-.00016	.00070	249.96	-.00044	.00554	-.00363	5.0456	-.00035	-.00587	.02319
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03447**	**-.00049**	**.00012**	**4.9562**	**.01005**	**.00184**	F **7.8627**	**.00042**	**.00248**	**-.05828**
Stddev	.02143	.00037	.00013	.0126	.00025	.00104	.0001	.00011	.00013	.00156
%RSD	62.180	75.059	106.03	.25448	2.4573	56.333	.00150	26.119	5.2901	2.6765
#1	.01931	-.00023	.00021	4.9473	.00987	.00111	7.8628	.00050	.00257	-.05718
#2	.04963	-.00076	.00003	4.9651	.01022	.00257	7.8626	.00034	.00239	-.05939
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.7**	**80648.**	**6832.9**
Stddev	58.0	8.	17.5
%RSD	.81468	.00932	.25684
#1	7154.7	80653.	6845.3
#2	7072.8	80643.	6820.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 19:19:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51695**	**.52179**	**1.0177**	**.51333**	**.49701**	**.48071**	**-.01166**	**4.8020**	**.49020**	**.50158**	**.51840**	**.50033**	**2.5340**
Stddev	.00310	.00025	.0019	.00010	.00280	.00309	.00284	.0302	.00094	.00032	.00021	.00046	.0036
%RSD	.59969	.04818	.18802	.02044	.56384	.64375	24.310	.62811	.19269	.06414	.04110	.09119	.14037
#1	.51475	.52197	1.0191	.51341	.49503	.47852	-.00966	4.8234	.48953	.50136	.51825	.50000	2.5365
#2	.51914	.52161	1.0164	.51326	.49899	.48289	-.01367	4.7807	.49086	.50181	.51855	.50065	2.5315
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.136**	**.97209**	**19.874**	**.49151**	**.51802**	**5.1475**	**.52231**	**1.0217**	**.98489**	**-.00304**	**1.0218**	**1.0312**	**5.0241**
Stddev	.122	.00571	.044	.00121	.00028	.0177	.00059	.0008	.00278	.00276	.0018	.0002	.0407
%RSD	.25327	.58759	.21955	.24666	.05492	.34482	.11371	.07826	.28250	90.709	.17085	.01746	.81006
#1	48.050	.96805	19.843	.49066	.51781	5.1349	.52189	1.0222	.98293	-.00499	1.0206	1.0313	5.0529
#2	48.222	.97613	19.905	.49237	.51822	5.1600	.52273	1.0211	.98686	-.00109	1.0230	1.0310	4.9953
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.752**	**1.0257**	**.48924**	**.00407**	**.50009**	**1.0089**	**-.03262**	**.48493**	**.49951**	**.48903**
Stddev	.087	.0007	.00343	.00082	.00068	.0003	.00324	.00217	.00269	.00293
%RSD	.81006	.07192	.70144	20.175	.13618	.02629	9.9276	.44833	.53900	.59953
#1	10.813	1.0262	.48681	.00465	.50057	1.0087	-.03491	.48646	.50141	.49110
#2	10.690	1.0251	.49167	.00349	.49960	1.0091	-.03033	.48339	.49761	.48696
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7130.6**	**81720.**	**6813.4**
Stddev	10.7	91.	12.2
%RSD	.15022	.11128	.17921
#1	7138.1	81785.	6804.7
#2	7123.0	81656.	6822.0

Sample Name: CCB Acquired: 11/14/2013 19:21:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**-.00002**	**-.00086**	**.00129**	**.00046**	**.00001**	**.00447**	**.00151**	**-.00009**	**-.00015**	**-.00007**	**-.00081**
Stddev	.00037	.00012	.00055	.00040	.00023	.00000	.00212	.00147	.00005	.00018	.00002	.00069
%RSD	111.40	808.26	64.431	31.217	49.977	31.594	47.381	97.219	56.064	120.17	22.437	85.090
#1	-.00059	.00007	-.00125	.00100	.00062	.00001	.00297	.00255	-.00005	-.00002	-.00006	-.00032
#2	-.00007	-.00010	-.00047	.00157	.00030	.00001	.00596	.00047	-.00012	-.00027	-.00008	-.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**.07713**	**.00185**	**.00264**	**.00002**	**.00012**	W **.11533**	**.00011**	**.00023**	**-.00023**	**.00225**	W **.00427**
Stddev	.00448	.00555	.00040	.00320	.00004	.00001	.01413	.00027	.00055	.00075	.00335	.00166
%RSD	375.38	7.1926	21.368	121.48	153.07	10.204	12.251	241.99	239.67	330.74	148.71	38.984
#1	-.00436	.07321	.00213	.00490	.00005	.00011	.10534	-.00008	.00061	.00030	.00461	.00309
#2	.00198	.08105	.00157	.00037	.00000	.00013	.12532	.00031	-.00016	-.00076	-.00012	.00544
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00177**	**-.00562**	**-.01202**	**.00011**	**-.00005**	**.00243**	**-.00021**	**.00035**	**-.00888**	**.00015**	**.00303**	**-.00071**
Stddev	.00165	.02062	.04412	.00079	.00000	.00214	.00002	.00023	.03177	.00029	.00005	.00082
%RSD	93.253	367.19	367.19	715.27	6.3407	87.915	11.468	65.133	357.65	186.74	1.7652	114.52
#1	-.00293	.00896	.01918	-.00045	-.00006	.00395	-.00019	.00019	-.03135	.00036	.00307	-.00129
#2	-.00060	-.02019	-.04322	.00067	-.00005	.00092	-.00023	.00051	.01358	-.00005	.00299	-.00014
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7158.0**	**82752.**	**6730.1**
Stddev	8.1	475.	8.8
%RSD	.11286	.57424	.13150
#1	7152.3	82416.	6723.8
#2	7163.7	83088.	6736.3

Sample Name: CCVL-2379751 Acquired: 11/14/2013 19:23:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01035**	**.10965**	**.01400**	**.10203**	**.01055**	**.00097**	**.11714**	**.21374**	**.00492**	**.01053**	**.01076**	**.01459**	**.10723**	**3.0419**
Stddev	.00086	.00011	.00074	.00008	.00015	.00001	.00175	.00100	.00020	.00003	.00010	.00020	.00420	.0299
%RSD	8.3239	.09770	5.2879	.08176	1.3808	.92865	1.4965	.46716	4.1159	.32479	.94618	1.4038	3.9188	.98343
#1	.00974	.10972	.01453	.10209	.01066	.00096	.11838	.21444	.00507	.01056	.01069	.01473	.10425	3.0208
#2	.01096	.10957	.01348	.10197	.01045	.00097	.11590	.21303	.00478	.01051	.01084	.01444	.11020	3.0631
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01177**	**.21338**	**.01036**	**.02021**	**1.1506**	**.04345**	**2.9693**	**.00873**	**.00165**	**.01107**	**.01282**	**.50416**	**1.0789**	**.10349**
Stddev	.00257	.00528	.00002	.00031	.0166	.00038	.0118	.00057	.00279	.00133	.00050	.03266	.0699	.00118
%RSD	21.839	2.4722	.15784	1.5138	1.4419	.86812	.39874	6.5033	169.08	12.024	3.8864	6.4787	6.4787	1.1356
#1	.01359	.21711	.01035	.02042	1.1388	.04371	2.9777	.00833	-.00032	.01013	.01247	.48106	1.0295	.10432
#2	.00995	.20965	.01037	.01999	1.1623	.04318	2.9609	.00913	.00363	.01201	.01318	.52726	1.1283	.10266
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01011**	**.01714**	**.00991**	**.01647**	**.04217**	**.00975**	**.02562**	**.01361**
Stddev	.00012	.00049	.00012	.00162	.05918	.00028	.00034	.00054
%RSD	1.2020	2.8868	1.1816	9.8550	140.34	2.8847	1.3419	3.9357
#1	.01003	.01679	.00983	.01532	.08402	.00995	.02537	.01324
#2	.01020	.01749	.01000	.01762	.00032	.00955	.02586	.01399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7174.4**	**81798.**	**6680.1**
Stddev	6.3	393.	98.1
%RSD	.08825	.48097	1.4687
#1	7170.0	82076.	6749.5
#2	7178.9	81520.	6610.7

Sample Name: 280-48945-d-4-b Acquired: 11/14/2013 19:26:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00057**	**.02016**	**.09023**	**.10370**	**.92470**	**.00013**	**.00019**	**133.11**	**.00068**	**.00195**
Stddev	.00039	.00025	.00161	.00017	.00409	.00015	.00042	.49	.00000	.00017
%RSD	69.319	1.2564	1.7848	.16297	.44265	118.81	225.01	.37185	.63580	8.5175
#1	-.00029	.01998	.09137	.10381	.92181	.00002	-.00011	132.76	.00068	.00183
#2	-.00084	.02034	.08909	.10358	.92760	.00024	.00048	133.46	.00068	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00104**	**.00073**	**20.547**	**1.1945**	**.01300**	**74.224**	**.35885**	**.01019**	W **596.45**	**.00683**
Stddev	.00017	.00044	.113	.1231	.00108	.202	.00044	.00020	1.65	.00039
%RSD	16.080	59.965	.55140	10.301	8.3079	.27173	.12174	1.9555	.27588	5.7328
#1	.00116	.00104	20.467	1.1075	.01223	74.081	.35854	.01005	595.29	.00655
#2	.00092	.00042	20.627	1.2816	.01376	74.366	.35916	.01033	597.62	.00710
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18472**	**-.00002**	**4.2542**	**.00072**	**-.00075**	**10.862**	**23.246**	**-.00039**	**1.3065**	**.00284**
Stddev	.00063	.00041	.0025	.00110	.00235	.040	.085	.00021	.0053	.00194
%RSD	.34210	2294.4	.05960	154.28	312.99	.36465	.36465	53.446	.40511	68.163
#1	.18517	.00027	4.2560	-.00007	-.00241	10.890	23.306	-.00054	1.3028	.00421
#2	.18427	-.00031	4.2524	.00150	.00091	10.834	23.186	-.00025	1.3103	.00147
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00282**	**.00009**	**-.04754**	**.00897**	**.00571**	**.00286**
Stddev	.00040	.00143	.04080	.00093	.00068	.00063
%RSD	14.229	1507.7	85.827	10.383	11.848	21.882
#1	.00310	.00110	-.01869	.00963	.00619	.00331
#2	.00253	-.00091	-.07639	.00831	.00523	.00242
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6617.9**	**75461.**	**6737.5**
Stddev	1.7	491.	51.8
%RSD	.02629	.65100	.76933
#1	6619.1	75808.	6774.1
#2	6616.6	75113.	6700.8

Sample Name: 280-48945-d-5-b Acquired: 11/14/2013 19:28:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00632**	**.09414**	**.06880**	**.61123**	**.00007**	**-.00117**	**105.41**	**.00055**	**.00362**
Stddev	.00061	.00044	.00072	.00057	.00049	.00006	.00347	.12	.00010	.00009
%RSD	266.55	7.0191	.75961	.83292	.08031	87.476	296.11	.11309	18.024	2.5433
#1	-.00020	.00600	.09464	.06839	.61157	.00003	.00128	105.33	.00048	.00369
#2	.00066	.00663	.09363	.06920	.61088	.00012	-.00362	105.49	.00062	.00356
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**.00021**	**9.4789**	**.76651**	**.00693**	**56.732**	**5.5302**	**.00658**	**16.749**	**.00146**
Stddev	.00006	.00064	.0089	.02168	.00162	.036	.1030	.00017	.387	.00021
%RSD	177.14	306.97	.09429	2.8279	23.385	.06413	1.8631	2.5789	2.3127	14.711
#1	.00008	-.00024	9.4725	.75119	.00808	56.706	5.6030	.00646	16.475	.00161
#2	-.00001	.00066	9.4852	.78184	.00579	56.758	5.4573	.00669	17.022	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.75173**	**.00029**	**.54324**	**.00076**	**.00059**	**15.756**	**33.717**	**-.00038**	**.98710**	**-.00107**
Stddev	.00150	.00018	.00452	.00057	.00264	.218	.467	.00050	.00083	.00023
%RSD	.19903	61.213	.83195	74.144	446.78	1.3847	1.3847	130.46	.08364	21.968
#1	.75067	.00042	.54004	.00036	.00246	15.601	33.387	-.00003	.98768	-.00123
#2	.75278	.00017	.54643	.00116	-.00128	15.910	34.047	-.00073	.98651	-.00090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00013**	**.00193**	**-.02743**	**.00143**	**.00473**	**-.00130**
Stddev	.00009	.00023	.01066	.00018	.00010	.00185
%RSD	71.023	11.702	38.857	12.578	2.1145	142.55
#1	-.00020	.00177	-.01990	.00130	.00480	-.00261
#2	-.00007	.00209	-.03497	.00155	.00466	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6904.6**	**79049.**	**6800.5**
Stddev	30.8	461.	58.1
%RSD	.44648	.58268	.85376
#1	6882.8	79375.	6841.5
#2	6926.4	78724.	6759.4

Sample Name: 280-48945-d-6-b Acquired: 11/14/2013 19:31:06 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00053**	**.00354**	**.18691**	**.09742**	**.33576**	**-.00002**	**-.00244**	**122.74**	**.00049**	**.00491**
Stddev	.00052	.00006	.00030	.00009	.00135	.00009	.00050	.24	.00019	.00013
%RSD	97.912	1.5805	.16084	.08885	.40069	585.83	20.587	.19275	38.753	2.6925
#1	-.00089	.00358	.18669	.09748	.33481	.00005	-.00280	122.57	.00036	.00500
#2	-.00016	.00351	.18712	.09736	.33671	-.00008	-.00209	122.91	.00063	.00481
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00004**	**2.5933**	**1.3455**	**.00827**	**63.616**	**1.4380**	**.00583**	**38.884**	**.00251**
Stddev	.00003	.00039	.0100	.0239	.00238	.001	.0002	.00008	.257	.00036
%RSD	28.993	933.29	.38542	1.7753	28.768	.00222	.01216	1.4198	.66010	14.405
#1	.00009	.00024	2.6003	1.3286	.00996	63.615	1.4381	.00577	39.066	.00277
#2	.00014	-.00032	2.5862	1.3624	.00659	63.617	1.4379	.00589	38.703	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3801**	**-.00132**	**5.0332**	**-.00025**	**-.00039**	**19.353**	**41.416**	**-.00031**	**1.4268**	**.00276**
Stddev	.0070	.00097	.0129	.00050	.00435	.020	.042	.00056	.0024	.00102
%RSD	.51041	73.321	.25708	202.57	1128.9	.10193	.10193	179.03	.16650	37.082
#1	1.3851	-.00064	5.0423	-.00060	-.00346	19.367	41.446	-.00071	1.4252	.00204
#2	1.3751	-.00201	5.0240	.00011	.00269	19.339	41.386	.00008	1.4285	.00349
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00078**	**-.02015**	**.00078**	**.00481**	**-.00187**
Stddev	.00027	.00019	.03819	.00021	.00031	.00040
%RSD	105.55	24.376	189.47	27.444	6.4829	21.118
#1	-.00006	.00092	.00685	.00093	.00459	-.00159
#2	-.00045	.00065	-.04715	.00063	.00503	-.00215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6948.3**	**80046.**	**6785.1**
Stddev	11.3	183.	103.3
%RSD	.16256	.22899	1.5220
#1	6940.3	80176.	6858.1
#2	6956.3	79916.	6712.1

Sample Name: 280-49103-i-2-a Acquired: 11/14/2013 19:33:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00066**	**.00513**	**.03370**	**.10567**	**.19394**	**.00005**	**.00066**	**105.56**	**.00064**	**.00014**
Stddev	.00054	.00015	.00188	.00046	.00013	.00001	.00186	.24	.00004	.00012
%RSD	81.594	2.9215	5.5706	.43507	.06510	17.195	281.96	.23157	6.4484	89.956
#1	-.00028	.00502	.03503	.10599	.19385	.00005	-.00065	105.38	.00061	.00005
#2	-.00104	.00523	.03238	.10534	.19403	.00006	.00197	105.73	.00067	.00023
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**-.00006**	**3.1905**	**1.1221**	**.01138**	**63.941**	**.14231**	**.00207**	**37.455**	**.00035**
Stddev	.00003	.00027	.0101	.0343	.00374	.060	.00049	.00008	.129	.00011
%RSD	38.960	472.98	.31798	3.0521	32.851	.09374	.34636	3.7510	.34423	29.824
#1	.00011	.00013	3.1833	1.0979	.01403	63.899	.14266	.00213	37.364	.00028
#2	.00006	-.00025	3.1976	1.1463	.00874	63.984	.14197	.00202	37.546	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02676**	**-.00038**	**6.9973**	**.00101**	**-.00040**	**8.7984**	**18.829**	**-.00100**	**.58394**	**.00110**
Stddev	.00025	.00007	.0458	.00142	.00244	.0249	.053	.00090	.00112	.00116
%RSD	.95167	17.668	.65473	141.05	607.96	.28326	.28326	89.721	.19266	106.12
#1	.02658	-.00033	7.0297	.00000	-.00213	8.7808	18.791	-.00037	.58314	.00027
#2	.02694	-.00042	6.9649	.00202	.00133	8.8160	18.866	-.00164	.58473	.00192
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00053**	**-.02550**	**.00059**	**.00423**	**.00102**
Stddev	.00022	.00034	.01985	.00031	.00049	.00024
%RSD	64.956	63.888	77.848	53.075	11.502	23.921
#1	-.00050	.00077	-.03954	.00037	.00457	.00084
#2	-.00019	.00029	-.01146	.00081	.00388	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.2**	**79933.**	**6749.8**
Stddev	5.7	54.	85.2
%RSD	.08194	.06785	1.2624
#1	6906.2	79971.	6810.0
#2	6898.2	79895.	6689.5

Sample Name: 280-49103-i-3-a Acquired: 11/14/2013 19:35:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**.00166**	**.01140**	**.31447**	**.02338**	**-.00005**	**.00693**	**336.75**	**.00121**	**.00196**
Stddev	.00068	.00007	.00033	.00083	.00011	.00003	.00086	16.95	.00012	.00020
%RSD	182.85	4.2282	2.9356	.26504	.47287	73.503	12.426	5.0346	10.161	10.239
#1	.00011	.00161	.01116	.31388	.02330	-.00007	.00632	324.76	.00112	.00182
#2	-.00085	.00171	.01163	.31506	.02346	-.00002	.00754	348.74	.00130	.00211
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00146**	**1.0298**	**1.2412**	**.07193**	**143.52**	**.72751**	**.00241**	**164.98**	**.00580**
Stddev	.0001	.00044	.0071	.0704	.00089	1.35	.00066	.00016	.82	.00024
%RSD	19198.	30.124	.68747	5.6743	1.2387	.93942	.09065	6.6396	.49591	4.2029
#1	.00010	.00115	1.0248	1.1914	.07130	144.47	.72798	.00230	164.40	.00597
#2	-.00010	.00177	1.0348	1.2910	.07257	142.57	.72705	.00253	165.56	.00563
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05852**	**-.00101**	F **370.80**	**.00064**	**-.00032**	**4.6698**	**9.9935**	**-.00064**	**4.7964**	**.00317**
Stddev	.00002	.00048	.53	.00210	.00205	.0672	.1438	.00072	.0687	.00003
%RSD	.03791	48.094	.14390	329.11	641.99	1.4386	1.4386	112.56	1.4332	1.0119
#1	.05851	-.00135	370.42	-.00085	-.00177	4.6223	9.8918	-.00013	4.8450	.00314
#2	.05854	-.00066	371.18	.00212	.00113	4.7174	10.095	-.00114	4.7478	.00319
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit			200.00							
Low Limit			-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00107**	**-.00195**	**.00052**	**.00458**	**-.00044**
Stddev	.00071	.00163	.04008	.00020	.00018	.00004
%RSD	129.96	152.66	2052.0	38.672	3.9493	9.4724
#1	-.00004	-.00008	.02638	.00066	.00446	-.00041
#2	-.00104	.00222	-.03029	.00038	.00471	-.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6681.0**	**77974.**	**6775.5**
Stddev	9.7	304.	92.2
%RSD	.14551	.39041	1.3602
#1	6674.1	77758.	6840.7
#2	6687.9	78189.	6710.4

Sample Name: 280-49103-i-4-a Acquired: 11/14/2013 19:38:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**.00834**	**.00272**	**.03358**	**.40024**	**.00000**	**.00175**	**63.154**	**.00068**	**.01238**
Stddev	.0004	.00031	.00135	.00017	.00165	.00001	.00136	.006	.00011	.00017
%RSD	11167.	3.6890	49.584	.49498	.41213	2156.0	77.749	.00895	16.331	1.3430
#1	.00026	.00812	.00177	.03346	.40141	.00001	.00271	63.150	.00060	.01250
#2	-.00027	.00855	.00368	.03370	.39907	-.00001	.00079	63.158	.00076	.01227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00018**	**9.3889**	**.83226**	**.01239**	**26.529**	**4.9290**	**-.00023**	**55.071**	**.00387**
Stddev	.00000	.00069	.0464	.00007	.00072	.062	.0241	.00009	.571	.00016
%RSD	.65482	383.24	.49441	.00805	5.7929	.23291	.48818	40.564	1.0367	4.0789
#1	.00027	-.00031	9.4218	.83221	.01290	26.485	4.9461	-.00029	55.475	.00399
#2	.00028	.00067	9.3561	.83231	.01188	26.572	4.9120	-.00016	54.667	.00376
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.61822**	**-.00105**	**20.627**	**-.00226**	**-.00069**	**19.832**	**42.441**	**-.00127**	**.28116**	**.00272**
Stddev	.00116	.00066	.017	.00143	.00089	.194	.416	.00113	.00053	.00079
%RSD	.18732	62.875	.08296	63.108	130.06	.97920	.97920	88.415	.18945	28.892
#1	.61740	-.00151	20.615	-.00125	-.00006	19.969	42.735	-.00207	.28154	.00328
#2	.61904	-.00058	20.639	-.00327	-.00132	19.695	42.147	-.00048	.28078	.00217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00168**	**-.04684**	**.00130**	**.00391**	**.00096**
Stddev	.00031	.00061	.01470	.00008	.00026	.00006
%RSD	611.19	35.979	31.390	6.2771	6.6773	6.0399
#1	.00017	.00125	-.03644	.00136	.00373	.00100
#2	-.00027	.00211	-.05724	.00125	.00410	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7202.2**	**83319.**	**7225.6**
Stddev	6.1	196.	30.4
%RSD	.08514	.23478	.42074
#1	7197.8	83181.	7247.1
#2	7206.5	83458.	7204.1

Sample Name: 280-49103-i-5-a Acquired: 11/14/2013 19:40:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.00237**	**.00135**	**.11296**	**.11565**	**-.00006**	**.00162**	**168.00**	**.00089**	**-.00023**
Stddev	.00086	.00000	.00087	.00080	.00143	.00004	.00167	.29	.00035	.00018
%RSD	137.73	.02289	64.303	.71044	1.2349	70.242	103.37	.17248	39.619	78.598
#1	-.00124	.00237	.00074	.11239	.11666	-.00003	.00280	168.21	.00064	-.00036
#2	-.00002	.00237	.00197	.11352	.11464	-.00009	.00044	167.80	.00114	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**-.00030**	**.19575**	**1.0998**	**.01129**	**123.04**	**.52216**	**.00116**	**131.01**	**.00133**
Stddev	.00010	.00029	.00617	.0072	.00095	.27	.00109	.00006	.03	.00040
%RSD	29.228	96.451	3.1501	.65868	8.4404	.22089	.20803	5.5652	.02484	29.939
#1	.00040	-.00051	.20011	1.0947	.01197	123.24	.52292	.00112	131.03	.00161
#2	.00026	-.00010	.19139	1.1049	.01062	122.85	.52139	.00121	130.99	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05436**	**-.00133**	**114.45**	**-.00048**	**-.00042**	**8.7245**	**18.671**	**-.00045**	**.93479**	**.00375**
Stddev	.00005	.00040	.10	.00063	.00037	.1672	.358	.00000	.00085	.00139
%RSD	.09943	29.936	.08899	130.12	88.132	1.9166	1.9166	.16303	.09136	37.101
#1	.05440	-.00161	114.53	-.00093	-.00068	8.8428	18.924	-.00045	.93539	.00474
#2	.05432	-.00105	114.38	-.00004	-.00016	8.6063	18.417	-.00045	.93418	.00277
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00078**	W **-.05899**	**.00065**	**.00391**	**.00044**
Stddev	.00004	.00044	.01562	.00028	.00027	.00075
%RSD	11.829	56.273	26.472	43.450	6.8904	168.94
#1	-.00034	.00110	-.07003	.00045	.00410	-.00009
#2	-.00028	.00047	-.04795	.00085	.00372	.00097
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6828.7**	**79158.**	**7011.1**
Stddev	19.5	168.	81.1
%RSD	.28577	.21248	1.1568
#1	6842.5	79040.	6953.8
#2	6814.9	79277.	7068.5

Sample Name: 280-49103-i-6-a Acquired: 11/14/2013 19:43:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200691 6010C

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00697**	**.02608**	**.22833**	**.27579**	**.00002**	**.00087**	**120.57**	**.00092**	**-.00027**
Stddev	.00024	.00012	.00028	.00035	.00037	.00006	.00091	.66	.00003	.00026
%RSD	27.119	1.7882	1.0705	.15288	.13298	323.07	104.21	.54722	2.9717	96.761
#1	-.00107	.00689	.02589	.22808	.27553	.00006	.00023	120.11	.00090	-.00046
#2	-.00073	.00706	.02628	.22857	.27605	-.00002	.00151	121.04	.00094	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00027**	**4.1396**	**1.5462**	**.02375**	**74.142**	**.60878**	**.00458**	**198.44**	**.00260**
Stddev	.00011	.00030	.0060	.0162	.00020	.312	.00173	.00032	.43	.00032
%RSD	18.993	110.55	.14607	1.0481	.83364	.42113	.28375	6.9358	.21537	12.315
#1	.00049	.00049	4.1439	1.5348	.02361	73.921	.60756	.00436	198.14	.00282
#2	.00064	.00006	4.1353	1.5577	.02389	74.363	.61001	.00481	198.74	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0842**	**-.00131**	**51.856**	**.00010**	**.00152**	**10.805**	**23.122**	**-.00009**	**1.0645**	**.00075**
Stddev	.0049	.00005	.062	.00138	.00020	.001	.003	.00056	.0027	.00228
%RSD	.45592	4.0544	.11952	1353.6	13.422	.01315	.01315	613.38	.25279	303.56
#1	1.0807	-.00135	51.812	.00108	.00167	10.806	23.124	.00030	1.0626	-.00086
#2	1.0877	-.00127	51.900	-.00087	.00138	10.804	23.120	-.00048	1.0664	.00236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00106**	**-.03813**	**.00562**	**.00487**	**.00296**
Stddev	.00019	.00114	.05645	.00008	.00027	.00033
%RSD	549.80	107.99	148.05	1.4886	5.5167	11.223
#1	.00010	.00186	.00179	.00568	.00468	.00273
#2	-.00017	.00025	-.07804	.00556	.00506	.00320
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.7**	**80078.**	**7106.7**
Stddev	7.1	323.	8.0
%RSD	.10232	.40329	.11206
#1	6917.7	80306.	7101.1
#2	6907.7	79850.	7112.3

Sample Name: CCVH-2372891 Acquired: 11/14/2013 19:45:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00459**	**48.815**	**-.00207**	**.00085**	**.00032**	**-.00007**	**1.0447**	**.01693**	**.00071**	**-.00112**	**.00016**	**-.00479**	**49.190**
Stddev	.00078	.008	.00054	.00020	.00012	.00008	.0038	.00026	.00015	.00027	.00004	.00019	.298
%RSD	16.921	.01693	26.178	23.057	38.820	108.09	.36610	1.5424	21.284	24.557	27.209	3.9581	.60488
#1	-.00404	48.810	-.00169	.00098	.00041	-.00013	1.0420	.01674	.00081	-.00092	.00013	-.00465	48.979
#2	-.00514	48.821	-.00246	.00071	.00023	-.00002	1.0474	.01711	.00060	-.00131	.00020	-.00492	49.400
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.30229**	**.00148**	**.06351**	**-.00011**	**.00007**	**247.80**	**-.00065**	**.00477**	**-.00265**	**5.0666**	**.00170**	**-.00895**	**.00426**
Stddev	.00478	.00082	.00013	.00004	.00001	.10	.00017	.00178	.00016	.0065	.00198	.00550	.00180
%RSD	1.5807	55.079	.20080	38.065	15.296	.03919	25.710	37.440	6.0720	.12897	116.56	61.439	42.239
#1	.29891	.00090	.06360	-.00014	.00008	247.87	-.00077	.00350	-.00254	5.0620	.00310	-.00506	.00553
#2	.30567	.00206	.06342	-.00008	.00007	247.73	-.00053	.00603	-.00277	5.0712	.00030	-.01283	.00299
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00911**	**-.00043**	**.00006**	**4.9526**	**.01150**	**.00246**	F **7.9747**	**.00027**	**.00161**	**-.06040**
Stddev	.00385	.00013	.00010	.0158	.00006	.00055	.0185	.00088	.00036	.00017
%RSD	42.239	30.715	157.44	.31885	.49846	22.449	.23188	323.23	22.683	.28588
#1	.01183	-.00052	.00013	4.9414	.01154	.00207	7.9616	.00090	.00135	-.06052
#2	.00639	-.00034	-.00001	4.9638	.01146	.00285	7.9878	-.00035	.00187	-.06027
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7166.8**	**81963.**	**7166.7**
Stddev	4.1	359.	37.4
%RSD	.05699	.43765	.52124
#1	7169.7	82216.	7140.2
#2	7163.9	81709.	7193.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 19:47:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.51773**	**.51416**	**1.0167**	**.51123**	**.49709**	**.47614**	**-.01231**	**4.7100**	**.48465**	**.49531**	**.51547**	**.49819**	**2.5415**
Stddev	.00229	.00249	.0043	.00041	.00089	.00064	.00024	.0102	.00041	.00031	.00075	.00059	.0076
%RSD	.44238	.48494	.42043	.07922	.17895	.13358	1.9446	.21688	.08527	.06197	.14610	.11811	.29836
#1	.51611	.51240	1.0137	.51095	.49646	.47569	-.01214	4.7028	.48435	.49509	.51494	.49777	2.5361
#2	.51935	.51593	1.0197	.51152	.49772	.47659	-.01248	4.7172	.48494	.49553	.51601	.49860	2.5468
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.840**	**.97138**	**19.727**	**.48543**	**.51314**	**5.1564**	**.52266**	**1.0177**	**.96981**	**.00375**	**1.0155**	**1.0364**	**5.0002**
Stddev	.070	.00287	.059	.00032	.00151	.0008	.00575	.0011	.00176	.00240	.0014	.0030	.0457
%RSD	.14625	.29511	.29918	.06592	.29451	.01622	1.1001	.10537	.18138	64.049	.13808	.28799	.91329
#1	47.791	.96935	19.685	.48520	.51207	5.1558	.51859	1.0169	.96857	.00544	1.0145	1.0385	4.9679
#2	47.889	.97340	19.769	.48565	.51421	5.1570	.52673	1.0184	.97106	.00205	1.0165	1.0343	5.0325
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**1.0144**	**.48840**	**.00220**	**.49540**	**.99897**	**-.00447**	**.47818**	**.49043**	**.48919**
Stddev	.098	.0040	.00121	.00141	.00176	.00213	.04539	.00067	.00058	.00081
%RSD	.91329	.39572	.24752	63.981	.35608	.21279	1016.3	.13945	.11773	.16645
#1	10.631	1.0116	.48755	.00320	.49416	.99747	-.03656	.47771	.49002	.48861
#2	10.769	1.0172	.48926	.00121	.49665	1.0005	.02763	.47865	.49084	.48976
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7174.3**	**82395.**	**6908.8**
Stddev	26.1	134.	75.0
%RSD	.36323	.16298	1.0854
#1	7192.8	82300.	6961.8
#2	7155.9	82490.	6855.8

Sample Name: CCB Acquired: 11/14/2013 19:49:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00047**	**.00006**	**-.00283**	**.00115**	**.00024**	**.00009**	**.00109**	**-.00049**	**-.00002**	**-.00014**	**-.00005**	**-.00058**	**-.00118**
Stddev	.00027	.00022	.00195	.00009	.00027	.00002	.00056	.00415	.00005	.00016	.00015	.00053	.00079
%RSD	56.421	383.51	68.944	8.0532	115.90	27.734	51.245	844.22	264.55	119.33	283.94	92.473	66.915
#1	-.00028	-.00010	-.00421	.00109	.00004	.00007	.00069	-.00343	-.00005	-.00025	.00005	-.00095	-.00062
#2	-.00066	.00022	-.00145	.00122	.00043	.00010	.00148	.00245	.00002	-.00002	-.00016	-.00020	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15626**	**.00037**	**.00000**	**.00006**	**.00015**	F **.20276**	**-.00008**	**.00078**	**-.00061**	**.00570**	F **.00719**	**-.00124**	**.00763**
Stddev	.01378	.00068	.0008	.00000	.00022	.01000	.00005	.00030	.00036	.00139	.00208	.00076	.01081
%RSD	8.8210	182.31	83772.	7.0987	153.18	4.9313	62.600	38.627	58.949	24.306	28.867	61.301	141.70
#1	.14652	.00085	.00060	.00006	-.00001	.20983	-.00012	.00057	-.00036	.00668	.00572	-.00178	-.00002
#2	.16601	-.00011	-.00060	.00006	.00030	.19569	-.00004	.00100	-.00087	.00472	.00866	-.00070	.01528
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.18320					.00628		
Low Limit						-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01633**	**-.00049**	**-.00005**	**.00416**	**.00042**	**.00086**	**-.04851**	**-.00014**	**.00330**	**-.00047**
Stddev	.02314	.00069	.00006	.00016	.00003	.00082	.02311	.00052	.00041	.00122
%RSD	141.70	141.95	110.62	3.8461	6.4327	94.970	47.643	369.59	12.546	258.33
#1	-.00003	-.00098	-.00009	.00427	.00040	.00145	-.06486	-.00051	.00359	-.00133
#2	.03269	.00000	-.00001	.00405	.00044	.00028	-.03217	.00023	.00301	.00039
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7129.6**	**82291.**	**6795.9**
Stddev	12.2	526.	80.7
%RSD	.17125	.63869	1.1875
#1	7138.3	82663.	6738.9
#2	7121.0	81920.	6853.0

Sample Name: CCVL-2379751 Acquired: 11/14/2013 19:52:16 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00933**	**.10532**	**.01364**	**.10131**	**.01015**	**.00092**	**.11530**	**.19822**	**.00466**	**.01010**	**.01042**	**.01432**	**.10274**
Stddev	.00027	.00075	.00041	.00113	.00023	.00005	.00056	.00766	.00021	.00015	.00015	.00094	.00715
%RSD	2.8461	.71090	2.9960	1.1151	2.3045	4.9168	.48802	3.8627	4.4191	1.5053	1.4670	6.5715	6.9619
#1	.00914	.10479	.01393	.10051	.01031	.00089	.11490	.19280	.00480	.00999	.01031	.01366	.09768
#2	.00952	.10585	.01335	.10211	.00998	.00095	.11570	.20363	.00451	.01021	.01052	.01499	.10779
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9874**	**.01042**	**.20770**	**.00990**	**.01990**	**1.1431**	**.04218**	**2.9684**	**.00909**	**.00433**	**.01128**	**.01358**	**.52063**
Stddev	.0833	.00003	.00090	.00012	.00030	.0062	.00061	.0302	.00078	.00143	.00220	.00432	.00533
%RSD	2.7877	.25407	.43363	1.1893	1.4914	.54269	1.4505	1.0179	8.5540	33.108	19.530	31.817	1.0245
#1	2.9285	.01040	.20706	.00981	.02011	1.1387	.04174	2.9470	.00854	.00534	.01284	.01663	.52440
#2	3.0463	.01043	.20834	.00998	.01969	1.1475	.04261	2.9898	.00964	.00332	.00972	.01052	.51686
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1142**	**.10388**	**.00968**	**.01580**	**.01011**	**.01620**	F **.10437**	**.00909**	**.02405**	**.01486**
Stddev	.0114	.00136	.00012	.00065	.00002	.00084	.00157	.00023	.00044	.00131
%RSD	1.0245	1.3069	1.2277	4.1359	.17953	5.1644	1.4998	2.5199	1.8277	8.7970
#1	1.1222	.10292	.00960	.01534	.01013	.01561	.10547	.00893	.02374	.01394
#2	1.1061	.10484	.00976	.01627	.01010	.01679	.10326	.00925	.02436	.01579
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7290.4**	**84267.**	**6879.7**
Stddev	11.9	317.	38.9
%RSD	.16265	.37587	.56568
#1	7282.0	84043.	6907.2
#2	7298.8	84491.	6852.2

Sample Name: mb 280-200045/1-a Acquired: 11/14/2013 19:54:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.02766**	**-.00106**	**.00047**	**.00012**	**-.00006**	**.00584**	**.00306**	**-.00003**	**-.00019**
Stddev	.00030	.00001	.00257	.00015	.00024	.00001	.00017	.00254	.00019	.00002
%RSD	96.425	.01823	242.05	32.676	198.28	19.236	2.8923	82.964	694.91	8.4825
#1	-.00052	.02766	.00076	.00058	-.00005	-.00006	.00596	.00127	.00011	-.00020
#2	-.00010	.02766	-.00288	.00036	.00029	-.00007	.00572	.00486	-.00016	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00025**	**.00192**	**.14614**	**.00329**	**.00336**	**.00041**	**-.00033**	**.17316**	**-.00023**
Stddev	.00001	.00032	.00022	.01018	.00078	.00139	.00004	.00026	.01553	.00010
%RSD	19.041	126.07	11.648	6.9671	23.608	41.378	9.2294	80.149	8.9663	42.300
#1	.00006	-.00048	.00208	.13894	.00384	.00434	.00044	-.00014	.18414	-.00016
#2	.00005	-.00003	.00176	.15334	.00274	.00237	.00039	-.00051	.16218	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00005**	**.01247**	**.00125**	**.00016**	**.01373**	**.02939**	**-.00020**	**-.00008**	**.00184**
Stddev	.00012	.00016	.00047	.00105	.00125	.01063	.02275	.00003	.00018	.00100
%RSD	534.85	327.96	3.7772	84.128	760.55	77.396	77.396	14.458	218.41	54.521
#1	-.00006	.00006	.01280	.00051	-.00072	.02125	.04547	-.00022	-.00021	.00113
#2	.00011	-.00016	.01213	.00200	.00105	.00622	.01330	-.00018	.00004	.00255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00033**	**-.02365**	**-.00025**	**.00407**	**.00031**
Stddev	.00018	.00076	.00774	.00004	.00009	.00016
%RSD	169.81	230.72	32.719	15.620	2.1431	51.832
#1	-.00002	.00087	-.02912	-.00027	.00401	.00042
#2	.00023	-.00021	-.01818	-.00022	.00413	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.9**	**83689.**	**6847.8**
Stddev	8.3	265.	28.9
%RSD	.11467	.31648	.42203
#1	7190.0	83501.	6868.2
#2	7201.7	83876.	6827.3

Sample Name: lcs 280-200045/2-a Acquired: 11/14/2013 19:56:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05150**	**2.0134**	**1.0612**	**1.0752**	**2.0695**	**.04993**	**2.1654**	**47.990**	**.10155**	**.50201**
Stddev	.00002	.0074	.0089	.0049	.0042	.00065	.0039	.037	.00003	.00018
%RSD	.04541	.36793	.84012	.45804	.20257	1.3072	.17978	.07760	.03425	.03534
#1	.05148	2.0187	1.0675	1.0717	2.0665	.04946	2.1627	47.964	.10152	.50214
#2	.05151	2.0082	1.0549	1.0787	2.0724	.05039	2.1682	48.016	.10157	.50188
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21432**	**.25866**	**1.0438**	**50.510**	**1.0253**	**51.193**	**.50106**	**1.0660**	**53.101**	**.52250**
Stddev	.00044	.00237	.0123	.017	.0003	.034	.00081	.0015	.314	.00047
%RSD	.20413	.91471	1.1758	.03409	.02954	.06708	.16132	.13787	.59183	.09082
#1	.21401	.25698	1.0351	50.497	1.0250	51.217	.50163	1.0649	52.879	.52283
#2	.21463	.26033	1.0525	50.522	1.0255	51.168	.50049	1.0670	53.323	.52216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.713**	**.48211**	**2.0948**	**.52486**	**2.1273**	**10.486**	**22.439**	**2.0808**	**1.0177**	**1.0261**
Stddev	.001	.00124	.0081	.00198	.0022	.029	.061	.0012	.0023	.0010
%RSD	.00650	.25672	.38536	.37666	.10271	.27266	.27266	.05781	.22220	.09422
#1	10.712	.48299	2.0891	.52346	2.1257	10.506	22.482	2.0817	1.0161	1.0254
#2	10.713	.48124	2.1005	.52626	2.1288	10.465	22.396	2.0800	1.0193	1.0268
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0438**	**1.9715**	F **3.3230**	**.50393**	**.50479**	**.50254**
Stddev	.0017	.0032	.0297	.00023	.00022	.00093
%RSD	.16429	.16067	.89294	.04608	.04313	.18580
#1	1.0450	1.9692	3.3440	.50376	.50495	.50320
#2	1.0425	1.9737	3.3020	.50409	.50464	.50188
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6977.1**	**79958.**	**6804.8**
Stddev	20.8	209.	85.8
%RSD	.29757	.26195	1.2608
#1	6962.4	79810.	6744.1
#2	6991.8	80106.	6865.4

Sample Name: lcsd 280-200045/3-a Acquired: 11/14/2013 19:58:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05067**	**1.9797**	**1.0341**	**1.0582**	**2.0250**	**.04854**	**2.1295**	**46.963**	**.09954**	**.49332**
Stddev	.00054	.0030	.0023	.0030	.0004	.00010	.0042	.055	.00020	.00006
%RSD	1.0654	.15347	.22031	.28015	.02038	.19782	.19574	.11648	.20555	.01215
#1	.05029	1.9819	1.0357	1.0561	2.0253	.04847	2.1265	47.001	.09969	.49336
#2	.05106	1.9776	1.0325	1.0603	2.0247	.04861	2.1324	46.924	.09940	.49328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21191**	**.25415**	**1.0260**	**49.193**	**1.0004**	**50.004**	**.49028**	**1.0563**	**51.639**	**.51479**
Stddev	.00077	.00033	.0045	.145	.0009	.111	.00067	.0015	.174	.00283
%RSD	.36163	.12811	.43800	.29557	.08795	.22129	.13713	.14132	.33702	.54948
#1	.21137	.25438	1.0292	49.295	1.0010	49.926	.48980	1.0552	51.762	.51279
#2	.21245	.25392	1.0228	49.090	.99974	50.082	.49075	1.0573	51.516	.51680
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.476**	**.47317**	**2.0619**	**.51817**	**2.0734**	**10.354**	**22.158**	**2.0553**	**.99659**	**1.0069**
Stddev	.040	.00090	.0049	.00032	.0009	.071	.151	.0042	.00016	.0001
%RSD	.37961	.18941	.23976	.06217	.04222	.68218	.68218	.20193	.01557	.01422
#1	10.448	.47254	2.0584	.51840	2.0740	10.404	22.265	2.0524	.99648	1.0068
#2	10.505	.47380	2.0654	.51794	2.0728	10.304	22.051	2.0582	.99670	1.0070
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0306**	**1.9295**	F **3.2816**	**.49340**	**.49009**	**.49446**
Stddev	.0004	.0004	.0014	.00088	.00067	.00490
%RSD	.04295	.01922	.04215	.17762	.13616	.99048
#1	1.0303	1.9297	3.2806	.49402	.48962	.49793
#2	1.0309	1.9292	3.2826	.49278	.49056	.49100
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6937.6**	**79971.**	**6761.9**
Stddev	4.8	350.	17.9
%RSD	.06877	.43797	.26436
#1	6934.3	80219.	6749.3
#2	6941.0	79723.	6774.6

Sample Name: 280-48951-b-16-b Acquired: 11/14/2013 20:01:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**.00340**	**-.00143**	**.00346**	**.00007**	**-.00004**	**.00250**	**.02428**	**.00022**	**-.00010**
Stddev	.00034	.00021	.00059	.00093	.00016	.00008	.00155	.00527	.00009	.00006
%RSD	36.697	6.2185	41.335	26.953	239.37	182.63	62.205	21.697	41.196	60.110
#1	-.00118	.00325	-.00101	.00412	.00019	-.00010	.00140	.02800	.00016	-.00014
#2	-.00069	.00354	-.00185	.00280	-.00005	.00001	.00359	.02055	.00029	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00070**	**.00469**	**.15256**	**.00118**	**.01261**	**.00031**	**.00043**	**.21900**	**-.00027**
Stddev	.00003	.00008	.00172	.03859	.00080	.00188	.00004	.00021	.01010	.00027
%RSD	88.622	11.379	36.664	25.298	68.107	14.931	14.270	47.931	4.6131	102.85
#1	.00001	-.00064	.00591	.17985	.00061	.01128	.00034	.00058	.22615	-.00046
#2	.00006	-.00076	.00347	.12527	.00175	.01394	.00028	.00029	.21186	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00834**	**-.00013**	**.01557**	**.00076**	**.00447**	**.01601**	**.03426**	**-.00026**	**.00007**	**.00353**
Stddev	.00128	.00031	.00328	.00103	.00383	.00074	.00159	.00012	.00003	.00105
%RSD	15.288	235.33	21.038	134.57	85.833	4.6364	4.6364	47.207	40.485	29.832
#1	.00744	-.00036	.01788	.00149	.00176	.01653	.03538	-.00035	.00005	.00428
#2	.00925	.00009	.01325	.00004	.00718	.01548	.03314	-.00018	.00009	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00043**	**-.02648**	**.00005**	**.00360**	**-.00060**
Stddev	.00002	.00036	.01292	.00006	.00011	.00005
%RSD	6.5640	84.037	48.803	110.61	3.0207	9.0704
#1	.00026	.00069	-.03561	.00001	.00368	-.00063
#2	.00024	.00018	-.01734	.00009	.00352	-.00056
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7201.7**	**83875.**	**6853.4**
Stddev	12.4	4.	10.9
%RSD	.17168	.00417	.15932
#1	7193.0	83872.	6861.1
#2	7210.5	83877.	6845.7

Sample Name: 280-48797-b-1-c Acquired: 11/14/2013 20:03:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00049**	**.00701**	**.00257**	**.21101**	**.03538**	**.00004**	**.00236**	**39.119**	**.00037**	**.00086**
Stddev	.00049	.00001	.00106	.00100	.00029	.00005	.00003	.118	.00004	.00000
%RSD	100.66	.14951	41.058	.47581	.83083	124.52	1.2411	.30171	10.382	.52878
#1	-.00084	.00700	.00332	.21172	.03517	.00001	.00238	39.202	.00040	.00086
#2	-.00014	.00702	.00183	.21030	.03558	.00008	.00234	39.035	.00035	.00085
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00048**	**.01880**	**.18452**	**5.7027**	**.05677**	**23.075**	**.26092**	**.00514**	**187.32**	**.01587**
Stddev	.00001	.00019	.00461	.0409	.00479	.032	.00001	.00006	.66	.00031
%RSD	2.9033	1.0106	2.4968	.71725	8.4337	.13850	.00487	1.2639	.35434	1.9414
#1	.00049	.01866	.18126	5.6738	.05338	23.053	.26093	.00510	187.78	.01609
#2	.00047	.01893	.18778	5.7316	.06015	23.098	.26091	.00519	186.85	.01565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02296**	**.00039**	**122.90**	**-.00087**	**.00137**	**1.8609**	**3.9823**	**.00074**	**1.2448**	**.00156**
Stddev	.00189	.00005	.13	.00134	.00099	.0045	.0095	.00017	.0027	.00151
%RSD	8.2397	12.262	.10877	154.74	72.167	.23910	.23910	23.374	.21615	96.725
#1	.02162	.00042	123.00	-.00181	.00207	1.8640	3.9890	.00086	1.2467	.00263
#2	.02429	.00035	122.81	.00008	.00067	1.8577	3.9756	.00061	1.2429	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**-.00007**	**-.03454**	**.00021**	**.28241**	**.00357**
Stddev	.00009	.00043	.07185	.00003	.00063	.00071
%RSD	62.752	632.05	208.00	13.247	.22208	19.911
#1	-.00020	-.00037	-.08535	.00019	.28197	.00407
#2	-.00008	.00024	.01626	.00023	.28286	.00307
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6814.8**	**78325.**	**6839.3**
Stddev	11.6	415.	10.4
%RSD	.16964	.52998	.15166
#1	6806.6	78619.	6846.6
#2	6823.0	78032.	6831.9

Sample Name: 280-48797-b-1-cSD@5 Acquired: 11/14/2013 20:05:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200045 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.01095**	**-.00222**	**.04418**	**.00735**	**-.00001**	**.00450**	**7.9667**	**.00012**	**.00027**
Stddev	.00042	.00001	.00269	.00011	.00007	.00008	.00077	.0392	.00017	.00020
%RSD	50.922	.07865	121.47	.25653	.94057	1301.7	17.045	.49184	138.19	74.775
#1	-.00053	.01095	-.00031	.04426	.00740	.00005	.00504	7.9390	.00024	.00013
#2	-.00112	.01096	-.00412	.04410	.00730	-.00006	.00396	7.9944	.00000	.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00025**	**.00337**	**.04795**	**1.2582**	**.01261**	**4.7693**	**.05357**	**.00085**	**38.677**	**.00325**
Stddev	.00020	.00023	.00133	.0516	.00095	.0086	.00002	.00006	.013	.00025
%RSD	79.426	6.8986	2.7699	4.1026	7.5040	.17958	.03190	6.4955	.03458	7.6994
#1	.00038	.00353	.04889	1.2217	.01194	4.7754	.05358	.00081	38.686	.00307
#2	.00011	.00320	.04702	1.2947	.01328	4.7633	.05355	.00089	38.667	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00398**	**-.00033**	**24.447**	**.00018**	**-.00392**	**.36333**	**.77752**	**.00201**	**.25155**	**.00233**
Stddev	.00072	.00068	.012	.00054	.00216	.01302	.02787	.00015	.00139	.00023
%RSD	18.204	207.12	.04985	303.84	54.971	3.5848	3.5848	7.5601	.55217	9.7992
#1	.00347	.00015	24.456	.00056	-.00240	.37254	.79723	.00191	.25057	.00217
#2	.00449	-.00081	24.439	-.00020	-.00545	.35412	.75781	.00212	.25254	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**.00021**	**-.03248**	**.00004**	**.06224**	**-.00090**
Stddev	.00020	.00006	.02419	.00038	.00065	.00016
%RSD	165.98	28.856	74.471	894.72	1.0450	18.263
#1	-.00002	.00016	-.01538	.00031	.06270	-.00078
#2	.00026	.00025	-.04959	-.00023	.06178	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7100.7**	**82271.**	**6863.8**
Stddev	9.4	478.	15.7
%RSD	.13183	.58041	.22942
#1	7107.3	81933.	6874.9
#2	7094.1	82608.	6852.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:07:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00568**	**48.911**	**.00024**	**.00144**	**.00057**	**-.00005**	**1.0470**	**.02115**	**.00084**	**-.00092**	**.00029**	**-.00468**	**50.111**
Stddev	.00005	.153	.00375	.00082	.00038	.00006	.0031	.00120	.00030	.00019	.00004	.00068	.091
%RSD	.95529	.31264	1569.1	56.727	66.434	122.03	.29412	5.6799	35.344	20.453	12.253	14.535	.18205
#1	-.00572	49.019	-.00241	.00202	.00030	-.00001	1.0492	.02200	.00105	-.00105	.00026	-.00517	50.175
#2	-.00564	48.802	.00289	.00087	.00084	-.00010	1.0448	.02030	.00063	-.00079	.00031	-.00420	50.046
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.24672**	**.00240**	**.11138**	**.00057**	**.00048**	**247.42**	**-.00045**	**.00408**	**-.00164**	**5.0604**	**.00257**	**-.00348**	**-.00054**
Stddev	.07413	.00157	.06404	.00103	.00013	.20	.00036	.00034	.00019	.0081	.00110	.00138	.00566
%RSD	30.045	65.447	57.498	182.73	27.289	.07919	81.405	8.3963	11.326	.15956	42.807	39.571	1047.6
#1	.19430	.00129	.06610	-.00017	.00057	247.56	-.00019	.00384	-.00177	5.0547	.00334	-.00251	-.00454
#2	.29913	.00351	.15667	.00130	.00039	247.29	-.00070	.00432	-.00151	5.0661	.00179	-.00446	.00346
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**-.00030**	**.00020**	**4.9393**	**.01215**	**.00230**	F **8.0359**	**.00102**	**.00194**	**-.06143**
Stddev	.01212	.00109	.00004	.0155	.00080	.00071	.0761	.00031	.00075	.00196
%RSD	1047.6	361.11	18.415	.31417	6.5643	31.008	.94741	29.972	38.431	3.1923
#1	-.00973	.00047	.00017	4.9503	.01159	.00280	8.0898	.00080	.00141	-.06004
#2	.00741	-.00108	.00022	4.9283	.01272	.00179	7.9821	.00124	.00247	-.06282
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7085.6**	**80795.**	**6893.9**
Stddev	3.4	257.	48.7
%RSD	.04731	.31765	.70679
#1	7083.3	80613.	6928.3
#2	7088.0	80976.	6859.4

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:10:22 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52087**	**.52246**	**1.0235**	**.51657**	**.49780**	**.47476**	**-.01064**	**4.6774**	**.48546**	**.49622**	**.51898**	**.49686**	**2.5440**
Stddev	.00066	.00585	.0035	.00191	.00108	.00026	.00205	.0028	.00118	.00071	.00107	.00116	.0126
%RSD	.12612	1.1194	.34201	.36957	.21693	.05536	19.245	.05954	.24264	.14400	.20624	.23410	.49484
#1	.52134	.52660	1.0260	.51792	.49857	.47495	-.00919	4.6793	.48629	.49673	.51973	.49768	2.5529
#2	.52041	.51833	1.0211	.51522	.49704	.47458	-.01209	4.6754	.48462	.49572	.51822	.49604	2.5351
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.512**	**.97550**	**19.730**	**.48260**	**.51451**	**5.1091**	**.52217**	**1.0250**	**.96322**	**.00079**	**1.0112**	**1.0465**	**4.9763**
Stddev	.136	.00218	.045	.00094	.00128	.0138	.00183	.0003	.00587	.00056	.0010	.0012	.0024
%RSD	.28712	.22336	.22584	.19581	.24940	.27092	.35096	.02488	.60951	70.494	.09397	.11167	.04914
#1	47.608	.97704	19.762	.48326	.51360	5.1189	.52346	1.0252	.95907	.00040	1.0106	1.0457	4.9781
#2	47.416	.97396	19.699	.48193	.51541	5.0993	.52087	1.0248	.96737	.00118	1.0119	1.0473	4.9746
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.649**	**1.0168**	**.48883**	**.00420**	**.49511**	**.99792**	**-.02833**	**.47924**	**.49133**	**.48427**
Stddev	.005	.0004	.00010	.00034	.00005	.00142	.03945	.00040	.00168	.00234
%RSD	.04914	.03779	.01984	8.1883	.00986	.14191	139.23	.08445	.34265	.48331
#1	10.653	1.0170	.48890	.00396	.49515	.99692	-.05623	.47953	.49252	.48593
#2	10.646	1.0165	.48877	.00444	.49508	.99892	-.00044	.47896	.49014	.48262
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7188.9**	**82572.**	**6920.0**
Stddev	15.9	51.	23.0
%RSD	.22064	.06122	.33245
#1	7177.7	82607.	6936.3
#2	7200.2	82536.	6903.7

Sample Name: CCB Acquired: 11/14/2013 20:12:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00868**	**.00013**	**.00123**	**.00032**	**.00009**	**.00232**	**.00183**	**.00013**	**-.00020**	**.00011**	**-.00106**
Stddev	.00015	.01193	.00242	.00046	.00002	.00004	.00103	.00203	.00018	.00021	.00014	.00022
%RSD	22.411	137.45	1812.5	37.197	4.7604	46.360	44.461	110.89	143.11	105.80	134.99	20.875
#1	-.00080	.01712	.00184	.00155	.00033	.00006	.00159	.00326	.00026	-.00005	.00021	-.00091
#2	-.00058	.00024	-.00158	.00091	.00031	.00012	.00305	.00039	.00000	-.00034	.00000	-.00122
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**.16635**	**.00238**	**.00341**	**-.00002**	**.00045**	W **.14321**	**.00004**	**.00046**	**-.00085**	**.02224**	F **.00764**
Stddev	.00031	.02804	.00038	.00010	.00004	.00009	.00549	.00032	.00153	.00044	.02707	.00016
%RSD	13.660	16.856	16.138	2.9630	210.67	20.803	3.8367	813.20	331.43	51.355	121.72	2.1042
#1	-.00245	.14652	.00265	.00348	.00001	.00038	.14710	.00027	.00155	-.00116	.04138	.00775
#2	-.00202	.18618	.00211	.00334	-.00005	.00052	.13933	-.00019	-.00062	-.00054	.00310	.00752
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00175**	**.00101**	**.00216**	**.00006**	**-.00010**	**.00403**	**-.00020**	**.00078**	**-.02479**	**-.00001**	**.00243**	**-.00023**
Stddev	.00223	.00046	.00099	.00023	.00007	.00014	.00005	.00065	.01629	.00031	.00049	.00019
%RSD	127.70	45.951	45.951	417.77	65.971	3.5207	25.092	83.275	65.692	2509.7	20.150	84.216
#1	.00333	.00134	.00286	.00022	-.00006	.00413	-.00017	.00124	-.03631	.00021	.00208	-.00037
#2	.00017	.00068	.00146	-.00011	-.00015	.00393	-.00024	.00032	-.01328	-.00023	.00278	-.00009
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7164.6**	**82507.**	**6779.7**
Stddev	2.5	27.	23.9
%RSD	.03460	.03263	.35201
#1	7162.9	82526.	6796.6
#2	7166.4	82488.	6762.8

Sample Name: CCVL2379751 Acquired: 11/14/2013 20:14:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00968**	**.10713**	**.01325**	**.10212**	**.01034**	**.00095**	**.11572**	**.20010**	**.00479**	**.01030**	**.01051**	**.01467**	**.10295**
Stddev	.00030	.00006	.00058	.00067	.00034	.00007	.00183	.00137	.00005	.00003	.00001	.00009	.00233
%RSD	3.0901	.05602	4.3844	.65843	3.3272	7.7192	1.5821	.68516	1.0414	.24542	.14178	.62481	2.2634
#1	.00989	.10709	.01366	.10164	.01010	.00090	.11442	.20107	.00482	.01032	.01050	.01461	.10460
#2	.00946	.10717	.01284	.10259	.01058	.00100	.11701	.19913	.00475	.01028	.01052	.01474	.10130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9527**	**.01191**	**.20991**	**.01001**	**.02011**	**1.1229**	**.04286**	**2.9981**	**.00837**	**.00548**	**.01071**	**.01752**	**.50212**
Stddev	.0179	.00182	.00031	.00007	.00011	.0029	.00009	.0105	.00039	.00359	.00037	.00393	.01242
%RSD	.60632	15.298	.14861	.73839	.54956	.26051	.21774	.34915	4.7115	65.626	3.4559	22.447	2.4741
#1	2.9400	.01319	.21013	.00996	.02004	1.1208	.04293	3.0055	.00865	.00293	.01045	.02030	.49333
#2	2.9653	.01062	.20969	.01007	.02019	1.1250	.04280	2.9907	.00809	.00802	.01098	.01474	.51090
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0745**	**.10390**	**.00981**	**.01505**	**.00996**	**.01600**	F **.14180**	**.00920**	**.02331**	**.01397**
Stddev	.0266	.00144	.00007	.00096	.00027	.00035	.01667	.00066	.00032	.00053
%RSD	2.4741	1.3901	.73424	6.3988	2.7120	2.2112	11.758	7.1352	1.3857	3.8137
#1	1.0557	.10492	.00976	.01437	.00976	.01575	.13001	.00873	.02309	.01434
#2	1.0933	.10287	.00986	.01573	.01015	.01625	.15359	.00966	.02354	.01359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7303.8**	**83720.**	**6840.2**
Stddev	13.7	181.	7.1
%RSD	.18725	.21679	.10339
#1	7294.2	83592.	6845.2
#2	7313.5	83848.	6835.2

Sample Name: mb 280-199858/1-b Acquired: 11/14/2013 20:17:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00109**	**.00208**	**-.00127**	**-.00031**	**.00010**	**.00002**	**.00342**	**.00945**	**.00003**	**-.00032**
Stddev	.00059	.00010	.00172	.00072	.00004	.00002	.00037	.00078	.00001	.00018
%RSD	54.450	4.8860	135.61	232.24	39.847	118.09	10.940	8.2464	26.813	55.561
#1	-.00151	.00201	-.00248	.00020	.00007	.00004	.00369	.00890	.00002	-.00019
#2	-.00067	.00215	-.00005	-.00082	.00012	.00000	.00316	.01000	.00003	-.00044
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00042**	**.00469**	**.11967**	**.00375**	**.00822**	**.00017**	**.00002**	W **.14756**	**.00022**
Stddev	.00003	.00032	.00305	.05392	.00035	.00047	.00001	.00004	.00223	.00046
%RSD	78.342	76.508	64.906	45.057	9.4201	5.6929	3.1203	177.08	1.5106	209.55
#1	-.00002	-.00065	.00685	.15780	.00350	.00789	.00018	.00004	.14913	-.00010
#2	-.00006	-.00019	.00254	.08155	.00400	.00855	.00017	-.00001	.14598	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**-.00013**	F **.01469**	**.00086**	**.00029**	F **.01376**	**.02945**	**-.00105**	**-.00012**	W **.00288**
Stddev	.00104	.00028	.00156	.00017	.00055	.00915	.01958	.00007	.00020	.00191
%RSD	306.81	210.78	10.609	19.316	192.73	66.481	66.481	6.6400	166.74	66.456
#1	.00040	.00007	.01359	.00074	.00068	.00729	.01561	-.00100	-.00026	.00423
#2	-.00108	-.00033	.01579	.00097	-.00010	.02023	.04330	-.00110	.00002	.00152
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00074**	**-.02984**	**.00004**	**.00302**	**.00023**
Stddev	.00019	.00031	.02341	.00007	.00034	.00014
%RSD	864.86	41.771	78.445	163.07	11.145	60.545
#1	.00016	.00052	-.04639	-.00001	.00325	.00033
#2	-.00011	.00096	-.01329	.00009	.00278	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7256.2**	**83441.**	**6877.1**
Stddev	3.8	143.	22.5
%RSD	.05170	.17157	.32675
#1	7253.5	83542.	6861.2
#2	7258.8	83340.	6893.0

Sample Name: lcs 280-199858/2-b Acquired: 11/14/2013 20:19:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05081**	**1.9582**	**1.0251**	**1.0445**	**1.9980**	**.04779**	**2.1259**	**46.253**	**.09845**	**.48585**
Stddev	.00008	.0011	.0014	.0016	.0008	.00000	.0015	.081	.00009	.00038
%RSD	.15958	.05593	.13615	.14932	.03803	.01001	.07029	.17593	.08913	.07765
#1	.05076	1.9590	1.0261	1.0434	1.9985	.04779	2.1248	46.311	.09852	.48612
#2	.05087	1.9574	1.0241	1.0456	1.9974	.04780	2.1270	46.196	.09839	.48559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20809**	**.25072**	**1.0081**	**48.665**	**.98747**	**49.741**	**.48293**	**1.0256**	**51.103**	**.50852**
Stddev	.00006	.00019	.0087	.087	.00233	.119	.00116	.0014	.285	.00140
%RSD	.02707	.07601	.86391	.17971	.23590	.23934	.23970	.13442	.55790	.27475
#1	.20813	.25059	1.0019	48.727	.98912	49.826	.48375	1.0246	50.901	.50753
#2	.20805	.25086	1.0142	48.604	.98583	49.657	.48211	1.0265	51.305	.50950
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.449**	**.47017**	**.00604**	**.51180**	**2.1076**	**10.120**	**21.656**	**2.0221**	**.98155**	**.99130**
Stddev	.011	.00115	.00088	.00007	.0030	.015	.032	.0081	.00094	.00296
%RSD	.10983	.24535	14.552	.01454	.14320	.14851	.14851	.40004	.09607	.29889
#1	10.441	.47099	.00666	.51175	2.1055	10.130	21.679	2.0163	.98222	.99339
#2	10.457	.46936	.00542	.51185	2.1098	10.109	21.634	2.0278	.98089	.98920
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0035**	**1.9307**	F **3.2337**	**.48518**	**.48965**	**.48163**
Stddev	.0007	.0005	.0165	.00142	.00058	.00190
%RSD	.06762	.02604	.51014	.29169	.11785	.39349
#1	1.0030	1.9311	3.2221	.48417	.49006	.48297
#2	1.0039	1.9304	3.2454	.48618	.48924	.48029
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7021.9**	**80533.**	**6861.4**
Stddev	14.7	227.	18.4
%RSD	.20905	.28201	.26763
#1	7032.3	80372.	6848.5
#2	7011.5	80693.	6874.4

Sample Name: 280-48924-c-1-b Acquired: 11/14/2013 20:21:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01033**	**-.00390**	**.03383**	**.00038**	**-.00001**	**.00425**	**.03257**	**-.00010**	**.00013**
Stddev	.00016	.00048	.00049	.00035	.00034	.00007	.00049	.00242	.00008	.00029
%RSD	20.473	4.6280	12.516	1.0450	89.357	573.85	11.538	7.4447	83.584	223.30
#1	-.00068	.00999	-.00356	.03358	.00014	-.00006	.00390	.03085	-.00016	.00033
#2	-.00090	.01066	-.00425	.03408	.00062	.00004	.00459	.03428	-.00004	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00342**	**-.00013**	**.00265**	**.14303**	**.00029**	**.00299**	**.00031**	**.00057**	**.13680**	**.00105**
Stddev	.00006	.00006	.00113	.01401	.00065	.00023	.00004	.00008	.01458	.00001
%RSD	1.6297	41.628	42.621	9.7923	220.96	7.8396	13.424	14.851	10.658	1.3169
#1	.00338	-.00017	.00345	.15293	-.00016	.00316	.00033	.00051	.12649	.00104
#2	.00346	-.00009	.00185	.13313	.00075	.00283	.00028	.00063	.14711	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00179**	**.00005**	**.00751**	**.00141**	**-.00082**	**.02525**	**.05404**	**-.00074**	**.00020**	**.00391**
Stddev	.00062	.00048	.00011	.00066	.00179	.00515	.01102	.00046	.00007	.00028
%RSD	34.641	963.25	1.4185	46.941	217.13	20.396	20.396	62.653	34.715	7.0740
#1	.00223	-.00029	.00744	.00188	-.00209	.02890	.06184	-.00107	.00024	.00411
#2	.00135	.00039	.00759	.00094	.00044	.02161	.04625	-.00041	.00015	.00372
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00076**	**.00092**	W **-.05533**	**-.00002**	**.00412**	**.00024**
Stddev	.00005	.00038	.02029	.00027	.00024	.00138
%RSD	6.5628	41.192	36.681	1325.1	5.8652	573.24
#1	.00080	.00119	-.06968	.00017	.00395	.00122
#2	.00073	.00065	-.04098	-.00021	.00429	-.00074
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7275.2**	**84636.**	**7024.2**
Stddev	16.0	349.	61.1
%RSD	.22041	.41206	.86969
#1	7263.8	84882.	7067.4
#2	7286.5	84389.	6981.0

Sample Name: 280-48924-c-2-b@5 Acquired: 11/14/2013 20:23:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00711**	**.00008**	**.00757**	**.02104**	**.00003**	**.00401**	**5.8730**	**-.00003**	**.00015**
Stddev	.00059	.00017	.00083	.00015	.00002	.00000	.00191	.0321	.00011	.00013
%RSD	110.37	2.3254	979.11	1.9334	.11246	1.4635	47.691	.54644	367.13	83.680
#1	-.00096	.00699	-.00050	.00747	.02102	.00003	.00266	5.8503	.00005	.00024
#2	-.00012	.00723	.00067	.00767	.02105	.00003	.00536	5.8957	-.00011	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00013**	**.02400**	**1.4353**	**.02373**	**3.2875**	**.01794**	**.00092**	**104.63**	**.00054**
Stddev	.00016	.00011	.00105	.0362	.00309	.0057	.00001	.00032	.25	.00041
%RSD	372.34	87.148	4.3706	2.5213	13.039	.17421	.03933	35.117	.23659	77.441
#1	-.00007	-.00020	.02326	1.4097	.02154	3.2835	.01794	.00069	104.46	.00083
#2	.00016	-.00005	.02475	1.4609	.02592	3.2916	.01793	.00115	104.81	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**-.00076**	**4.9563**	**.00007**	**.00003**	**.66050**	**1.4135**	**.00123**	**.59596**	**.00278**
Stddev	.00053	.00019	.0086	.00179	.00320	.01314	.0281	.00058	.00145	.00182
%RSD	25.204	25.050	.17333	2416.8	9706.2	1.9888	1.9888	46.897	.24367	65.382
#1	.00172	-.00089	4.9503	-.00119	-.00223	.65121	1.3936	.00164	.59493	.00150
#2	.00246	-.00062	4.9624	.00134	.00230	.66979	1.4334	.00082	.59699	.00407
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00122**	**-.04860**	**-.00014**	**.00576**	**.00044**
Stddev	.00004	.00097	.02258	.00016	.00010	.00003
%RSD	34.631	79.189	46.463	110.00	1.8073	6.5666
#1	-.00008	.00054	-.03263	-.00003	.00584	.00042
#2	-.00013	.00191	-.06457	-.00025	.00569	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7001.1**	**80194.**	**6783.8**
Stddev	8.0	10.	21.5
%RSD	.11408	.01189	.31703
#1	6995.5	80188.	6768.6
#2	7006.7	80201.	6799.0

Sample Name: 280-48924-c-3-b@5 Acquired: 11/14/2013 20:26:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00719**	**-.00050**	**.00646**	**.02053**	**.00002**	**.00418**	**5.7141**	**-.00007**	**.00005**
Stddev	.00060	.00008	.00102	.00080	.00003	.00001	.00155	.0063	.00006	.00003
%RSD	87.487	1.1695	204.52	12.327	.12652	35.525	37.158	.11024	77.415	56.458
#1	-.00026	.00725	-.00123	.00702	.02051	.00002	.00528	5.7186	-.00003	.00008
#2	-.00110	.00713	.00022	.00590	.02055	.00001	.00308	5.7097	-.00011	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00089**	**.01690**	**1.3902**	**.02485**	**3.1980**	**.01785**	**.00078**	**102.30**	**.00053**
Stddev	.00006	.00037	.00242	.0141	.00158	.0069	.00006	.00022	.58	.00006
%RSD	138.74	41.925	14.295	1.0103	6.3718	.21536	.36318	28.670	.56656	12.171
#1	.00000	-.00063	.01860	1.3802	.02373	3.1931	.01780	.00094	101.89	.00049
#2	-.00009	-.00115	.01519	1.4001	.02597	3.2029	.01789	.00062	102.71	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**-.00073**	**4.8920**	**-.00070**	**.00342**	**.63164**	**1.3517**	**.00116**	**.57973**	**.00243**
Stddev	.00080	.00067	.0005	.00075	.00238	.00468	.0100	.00053	.00098	.00024
%RSD	38.781	91.737	.01053	107.60	69.663	.74143	.74143	45.757	.16918	9.8674
#1	.00263	-.00026	4.8917	-.00017	.00173	.62833	1.3446	.00079	.57903	.00260
#2	.00150	-.00121	4.8924	-.00123	.00510	.63496	1.3588	.00154	.58042	.00226
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00067**	**-.02605**	**-.00023**	**.00555**	**-.00131**
Stddev	.00002	.00097	.02625	.00000	.00014	.00196
%RSD	17.667	144.58	100.76	.22660	2.5743	149.64
#1	.00007	.00135	-.04461	-.00023	.00545	-.00270
#2	.00010	-.00001	-.00749	-.00023	.00565	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7028.4**	**80290.**	**6762.3**
Stddev	15.8	105.	25.6
%RSD	.22509	.13114	.37833
#1	7017.2	80364.	6744.2
#2	7039.6	80215.	6780.4

Sample Name: 280-48924-a-4-b@5 Acquired: 11/14/2013 20:28:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.01853**	**-.00009**	**.00890**	**.00453**	**.00003**	**.00423**	**90.249**	**-.00001**	**-.00015**
Stddev	.00002	.00028	.00026	.00035	.00034	.00000	.00034	.009	.00001	.00004
%RSD	1.6891	1.5281	308.00	3.9184	7.4855	17.022	8.1193	.00948	197.96	26.957
#1	-.00111	.01873	.00010	.00865	.00477	.00002	.00448	90.243	.00000	-.00018
#2	-.00109	.01833	-.00027	.00914	.00429	.00003	.00399	90.255	-.00001	-.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00064**	**.14294**	**1.5816**	**.00430**	**13.500**	**.02973**	**.00017**	**83.915**	**.00025**
Stddev	.00006	.00016	.00459	.0433	.00077	.009	.00017	.00022	.249	.00018
%RSD	42.758	24.733	3.2126	2.7360	17.788	.06637	.58250	132.27	.29663	72.160
#1	.00019	-.00053	.14619	1.6122	.00376	13.506	.02961	.00032	84.091	.00038
#2	.00010	-.00075	.13970	1.5510	.00485	13.494	.02986	.00001	83.739	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00240**	**-.00111**	**145.47**	**-.00262**	**-.00014**	**.17535**	**.37526**	**.00112**	**1.5289**	**.00393**
Stddev	.00047	.00008	.21	.00080	.00015	.01440	.03081	.00012	.0009	.00092
%RSD	19.752	7.0371	.14533	30.725	106.54	8.2102	8.2102	10.840	.06168	23.447
#1	.00207	-.00106	145.32	-.00205	-.00025	.18553	.39704	.00104	1.5295	.00328
#2	.00274	-.00117	145.62	-.00319	-.00004	.16517	.35347	.00121	1.5282	.00459
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**.00178**	W **-.08226**	**.00000**	**.00656**	**-.00120**
Stddev	.00009	.00051	.00975	.0006	.00036	.00003
%RSD	29.724	28.431	11.857	60605.	5.5448	2.3228
#1	-.00023	.00214	-.08916	.00045	.00631	-.00121
#2	-.00035	.00142	-.07537	-.00046	.00682	-.00118
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6976.6**	**79564.**	**6787.1**
Stddev	20.6	50.	6.1
%RSD	.29496	.06314	.09032
#1	6962.0	79529.	6791.4
#2	6991.1	79600.	6782.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:30:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00574**	**48.580**	**-.00125**	**.00012**	**.00068**	**-.00004**	W **1.0507**	**.04482**	**.00070**	**-.00083**	**.00024**	**-.00561**
Stddev	.00015	.005	.00014	.00013	.00018	.00003	.0010	.00468	.00035	.00025	.00011	.00026
%RSD	2.6326	.01052	11.083	106.39	26.432	77.916	.09051	10.449	50.106	30.050	44.700	4.7090
#1	-.00563	48.583	-.00115	.00021	.00055	-.00002	1.0501	.04813	.00095	-.00065	.00017	-.00542
#2	-.00585	48.576	-.00135	.00003	.00080	-.00006	1.0514	.04151	.00045	-.00100	.00032	-.00580
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.132**	**.18670**	**.00320**	**.06376**	**-.00023**	**.00022**	**247.29**	**-.00095**	**.00143**	**-.00163**	**5.0847**	**.00156**
Stddev	.491	.04527	.00050	.00327	.00005	.00003	.13	.00022	.00125	.00029	.0236	.00093
%RSD	.98017	24.249	15.499	5.1336	22.373	15.341	.05212	23.600	87.276	18.048	.46398	59.574
#1	50.479	.21872	.00285	.06607	-.00019	.00024	247.38	-.00111	.00055	-.00184	5.0680	.00222
#2	49.784	.15469	.00355	.06144	-.00027	.00019	247.20	-.00079	.00231	-.00143	5.1014	.00090
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00582**	**.00519**	**.01110**	**-.00025**	**.00067**	**4.9618**	**.01137**	**.00295**	F **8.0457**	**.00037**	**.00165**	**-.06589**
Stddev	.00038	.00797	.01705	.00023	.00010	.0158	.00017	.00027	.0566	.00020	.00027	.00186
%RSD	6.5623	153.54	153.54	93.386	15.164	.31870	1.4662	9.1395	.70356	53.124	16.492	2.8185
#1	-.00555	-.00044	-.00095	-.00041	.00074	4.9506	.01149	.00276	8.0857	.00051	.00184	-.06721
#2	-.00609	.01082	.02316	-.00008	.00060	4.9730	.01126	.00315	8.0057	.00023	.00146	-.06458
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7097.1**	**80622.**	**6892.4**
Stddev	5.0	232.	6.2
%RSD	.07059	.28783	.09041
#1	7100.7	80786.	6896.8
#2	7093.6	80458.	6888.0

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:33:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52364**	**.51928**	**1.0146**	**.51427**	**.49794**	**.47518**	**-.00875**	**4.7174**	**.48466**	**.49610**	**.51923**	**.49736**	**2.5643**
Stddev	.00004	.00286	.0060	.00211	.00055	.00266	.00127	.0396	.00000	.00007	.00118	.00042	.0132
%RSD	.00721	.55046	.58667	.41123	.11060	.55978	14.540	.83998	.00073	.01460	.22635	.08431	.51599
#1	.52366	.52130	1.0188	.51278	.49833	.47706	-.00785	4.6894	.48465	.49615	.52006	.49707	2.5550
#2	.52361	.51726	1.0104	.51577	.49756	.47330	-.00965	4.7454	.48466	.49605	.51840	.49766	2.5737
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.784**	**.97545**	**19.882**	**.48626**	**.51602**	**5.1196**	**.52372**	**1.0201**	**.96855**	**.00073**	**1.0102**	**1.0402**	**5.0784**
Stddev	.119	.00016	.025	.00052	.00173	.0292	.00148	.0050	.00466	.00081	.0070	.0036	.0171
%RSD	.24927	.01590	.12701	.10682	.33578	.56951	.28207	.49485	.48112	109.87	.69301	.34568	.33717
#1	47.868	.97556	19.864	.48662	.51479	5.1403	.52477	1.0165	.96526	.00016	1.0053	1.0377	5.0663
#2	47.699	.97534	19.900	.48589	.51724	5.0990	.52268	1.0236	.97185	.00130	1.0152	1.0428	5.0905
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.868**	**1.0183**	**.48929**	**.00527**	**.49677**	**.99572**	**-.02496**	**.47822**	**.49855**	**.48897**
Stddev	.037	.0014	.00098	.00070	.00014	.00080	.01052	.00011	.00343	.00136
%RSD	.33717	.14209	.20057	13.259	.02905	.08044	42.140	.02344	.68894	.27771
#1	10.842	1.0173	.48998	.00576	.49667	.99629	-.01753	.47830	.50098	.48801
#2	10.894	1.0193	.48859	.00477	.49687	.99515	-.03240	.47814	.49612	.48993
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7169.1**	**81555.**	**6802.0**
Stddev	4.0	59.	39.9
%RSD	.05590	.07185	.58682
#1	7166.3	81597.	6773.8
#2	7172.0	81514.	6830.2

Sample Name: CCB Acquired: 11/14/2013 20:35:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00108**	**-.00008**	**-.00073**	**.00052**	**.00025**	**.00003**	**.00209**	**-.00058**	**-.00007**	**-.00006**	**-.00003**
Stddev	.00054	.00036	.00067	.00027	.00001	.00000	.00250	.00165	.00017	.00004	.00012
%RSD	50.028	438.97	91.842	52.823	4.4144	18.002	119.75	283.74	250.84	66.856	443.37
#1	-.00070	-.00034	-.00120	.00032	.00024	.00002	.00032	-.00174	.00005	-.00003	-.00011
#2	-.00146	.00017	-.00026	.00071	.00026	.00003	.00385	.00058	-.00019	-.00009	.00006
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**-.00117**	**.11873**	**.00186**	**.00236**	**.00007**	**.00016**	W **.14202**	**.00039**	**-.00003**	**.00026**
Stddev	.00052	.00156	.02647	.00057	.00397	.00002	.00012	.00435	.00000	.00044	.00117
%RSD	55.599	133.20	22.297	30.929	168.20	30.823	78.289	3.0606	1.0657	1396.9	444.39
#1	-.00129	-.00228	.13745	.00226	-.00045	.00005	.00007	.14509	.00040	-.00034	.00109
#2	-.00056	-.00007	.10001	.00145	.00517	.00008	.00024	.13895	.00039	.00028	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00317**	F **.00644**	**-.00153**	**.00546**	**.01168**	**-.00021**	**-.00016**	**.00342**	**-.00002**	**.00000**	**-.04936**
Stddev	.00102	.00014	.00261	.00743	.01589	.00002	.00002	.00231	.00000	.0008	.06068
%RSD	32.215	2.2177	170.08	136.02	136.02	7.5327	10.614	67.526	19.649	34933.	122.93
#1	.00389	.00654	-.00338	.01071	.02292	-.00022	-.00015	.00505	-.00003	-.00054	-.09227
#2	.00245	.00633	.00031	.00021	.00045	-.00020	-.00018	.00179	-.00002	.00054	-.00645
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00013**	**.00272**	**-.00103**
Stddev	.00019	.00047	.00068
%RSD	148.34	17.451	66.080
#1	.00001	.00238	-.00055
#2	-.00026	.00305	-.00151
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7144.4**	**82429.**	**6776.5**
Stddev	9.0	278.	31.8
%RSD	.12611	.33686	.46955
#1	7138.1	82625.	6754.0
#2	7150.8	82233.	6799.0

Sample Name: CCVL2379751 Acquired: 11/14/2013 20:37:43 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00955**	**.10916**	**.01376**	**.10192**	**.01007**	**.00096**	**.11506**	**.20247**	**.00486**	**.01016**	**.01056**	**.01437**	**.10757**	**2.9610**
Stddev	.00069	.00321	.00082	.00094	.00012	.00001	.00043	.00442	.00009	.00007	.00004	.00014	.00235	.0164
%RSD	7.1820	2.9365	5.9360	.91850	1.1734	.78168	.37720	2.1821	1.8692	.72734	.40753	1.0012	2.1831	.55552
#1	.01003	.11143	.01319	.10126	.01015	.00095	.11475	.19935	.00480	.01022	.01059	.01427	.10591	2.9494
#2	.00906	.10690	.01434	.10258	.00998	.00096	.11537	.20560	.00492	.01011	.01053	.01448	.10923	2.9726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01079**	**.20692**	**.00995**	**.02013**	**1.1160**	**.04301**	**3.0015**	**.00820**	**.00626**	**.00958**	**.01574**	**.48834**	**1.0450**	**.10472**
Stddev	.00005	.00317	.00002	.00008	.0169	.00004	.0072	.00087	.00516	.00047	.00088	.01684	.0360	.00111
%RSD	.47100	1.5320	.18629	.40620	1.5142	.10318	.24094	10.592	82.364	4.8914	5.5602	3.4481	3.4481	1.0579
#1	.01083	.20468	.00996	.02007	1.1041	.04304	2.9964	.00759	.00991	.00925	.01636	.47643	1.0196	.10394
#2	.01076	.20916	.00993	.02019	1.1280	.04298	3.0066	.00882	.00261	.00991	.01512	.50025	1.0705	.10551
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.01705**	**.00999**	**.01662**	**.04348**	**.00952**	**.02403**	**.01494**
Stddev	.00004	.00197	.00016	.00079	.03055	.00017	.00019	.00190
%RSD	.43733	11.582	1.5974	4.7792	70.269	1.7490	.79295	12.734
#1	.00969	.01565	.00988	.01606	.02188	.00963	.02416	.01629
#2	.00975	.01844	.01011	.01718	.06509	.00940	.02390	.01360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7335.0**	**83972.**	**6837.5**
Stddev	13.0	68.	80.5
%RSD	.17657	.08076	1.1767
#1	7325.9	84020.	6894.4
#2	7344.2	83924.	6780.6

Sample Name: 280-48922-d-1-b Acquired: 11/14/2013 20:40:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00135**	**.01113**	**-.00141**	**.01200**	**.06437**	**.00001**	**.00430**	**35.295**	**.00012**	**-.00023**
Stddev	.00030	.00391	.00272	.00014	.00028	.00001	.00016	.047	.00004	.00030
%RSD	22.532	35.175	193.19	1.1916	.42977	49.151	3.7874	.13217	34.295	129.22
#1	-.00156	.01390	-.00334	.01210	.06456	.00001	.00418	35.328	.00009	-.00002
#2	-.00113	.00836	.00052	.01190	.06417	.00002	.00441	35.262	.00015	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00012**	**.02248**	**1.4097**	**.00698**	**8.5994**	**.01262**	**.00071**	**17.145**	**.00029**
Stddev	.00007	.00009	.00270	.0159	.00005	.0237	.00005	.00008	.086	.00014
%RSD	124.08	75.384	12.017	1.1284	.73764	.27506	.41258	11.918	.50229	46.768
#1	.00010	.00006	.02439	1.4209	.00695	8.5826	.01265	.00065	17.084	.00039
#2	.00001	.00019	.02057	1.3984	.00702	8.6161	.01258	.00077	17.205	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**-.00071**	**17.101**	**.00094**	**-.00002**	**5.3393**	**11.426**	**-.00075**	**.34176**	**.00167**
Stddev	.00131	.00087	.008	.00202	.00015	.0088	.019	.00021	.00036	.00185
%RSD	53.071	121.84	.04772	214.02	888.91	.16417	.16417	28.409	.10671	110.68
#1	.00339	-.00133	17.106	.00237	-.00012	5.3455	11.439	-.00090	.34202	.00298
#2	.00154	-.00010	17.095	-.00048	.00009	5.3331	11.413	-.00060	.34151	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00137**	**-.02267**	**.00014**	**.00346**	**-.00148**
Stddev	.00010	.00041	.03977	.00005	.00013	.00125
%RSD	70.515	30.137	175.47	38.020	3.7591	84.144
#1	.00007	.00166	-.05079	.00010	.00337	-.00236
#2	.00022	.00107	.00546	.00017	.00355	-.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7079.0**	**81481.**	**6900.0**
Stddev	18.0	437.	41.3
%RSD	.25395	.53686	.59871
#1	7066.3	81790.	6929.2
#2	7091.7	81171.	6870.8

Sample Name: 280-48922-d-2-b@5 Acquired: 11/14/2013 20:42:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00772**	**-.00231**	**.00484**	**.01018**	**.00001**	**.00317**	**17.398**	**.00024**	**-.00027**
Stddev	.00014	.00038	.00039	.00094	.00039	.00003	.00069	.099	.00004	.00008
%RSD	15.389	4.9320	16.654	19.432	3.8535	292.98	21.802	.56919	17.772	29.580
#1	-.00100	.00799	-.00258	.00550	.00991	-.00001	.00268	17.328	.00027	-.00033
#2	-.00080	.00745	-.00204	.00417	.01046	.00003	.00365	17.468	.00021	-.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00079**	**.01316**	**1.1234**	**.01541**	**14.649**	**.00529**	**.00030**	**72.115**	**.00037**
Stddev	.00006	.00007	.00101	.0127	.00025	.040	.00003	.00015	.453	.00025
%RSD	100.44	8.5376	7.6916	1.1322	1.6539	.27425	.60167	50.882	.62790	67.224
#1	.00002	-.00074	.01244	1.1324	.01523	14.678	.00527	.00019	71.794	.00055
#2	.00011	-.00083	.01387	1.1144	.01559	14.621	.00531	.00040	72.435	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**-.00022**	**40.802**	**.00044**	**.00057**	**.92786**	**1.9856**	**.00107**	**.60019**	**.00305**
Stddev	.00122	.00125	.007	.00051	.00111	.00166	.0036	.00108	.00289	.00037
%RSD	1173.1	577.95	.01642	115.55	194.38	.17887	.17887	100.14	.48159	12.160
#1	.00076	-.00110	40.807	.00080	.00135	.92669	1.9831	.00183	.59814	.00279
#2	-.00096	.00067	40.797	.00008	-.00021	.92903	1.9881	.00031	.60223	.00331
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00120**	**-.03653**	**-.00027**	**.00511**	**-.00122**
Stddev	.00023	.00030	.01979	.00034	.00002	.00003
%RSD	2841.2	25.000	54.159	126.29	.33407	2.7935
#1	.00017	.00099	-.02254	-.00050	.00512	-.00124
#2	-.00015	.00141	-.05052	-.00003	.00510	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7060.0**	**80074.**	**6742.7**
Stddev	8.4	72.	22.0
%RSD	.11914	.08984	.32576
#1	7054.0	80023.	6758.2
#2	7065.9	80125.	6727.1

Sample Name: 280-48963-a-3-b Acquired: 11/14/2013 20:44:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01987**	**-.00184**	**.01174**	**.03248**	**-.00002**	**.00180**	**26.134**	**.00010**	**-.00023**
Stddev	.00010	.00029	.00231	.00030	.00003	.00004	.00146	.115	.00002	.00001
%RSD	13.076	1.4365	125.33	2.5734	.08408	241.87	80.979	.43837	18.815	4.3005
#1	-.00071	.01967	-.00347	.01196	.03246	-.00004	.00077	26.053	.00009	-.00024
#2	-.00086	.02008	-.00021	.01153	.03250	.00001	.00283	26.215	.00012	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00439**	**.01629**	**1.8993**	**.00840**	**5.8424**	**.00031**	**.00834**	**18.336**	**.00031**
Stddev	.00005	.00019	.00088	.0152	.00257	.0171	.00002	.00015	.254	.00012
%RSD	35.328	4.2614	5.3780	.80031	30.644	.29320	7.0454	1.8312	1.3872	37.599
#1	.00017	.00452	.01567	1.8886	.01022	5.8545	.00029	.00823	18.516	.00023
#2	.00010	.00426	.01690	1.9101	.00658	5.8302	.00032	.00844	18.157	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00012**	**-.00033**	**15.472**	**.00186**	**.00078**	**2.7762**	**5.9410**	**-.00052**	**.19613**	**.00190**
Stddev	.00036	.00092	.057	.00056	.00103	.0144	.0308	.00033	.00030	.00045
%RSD	290.44	279.22	.36680	30.189	132.81	.51890	.51890	64.415	.15535	23.881
#1	-.00038	-.00098	15.432	.00226	.00151	2.7660	5.9192	-.00075	.19635	.00158
#2	.00013	.00032	15.512	.00146	.00005	2.7864	5.9628	-.00028	.19592	.00222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00081**	**-.04583**	**.00026**	**.00823**	**.00009**
Stddev	.00026	.00068	.00018	.00018	.00008	.00260
%RSD	448.16	83.638	.40048	69.849	.97925	3007.0
#1	.00024	.00129	-.04596	.00039	.00817	.00192
#2	-.00013	.00033	-.04570	.00013	.00829	-.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7135.5**	**81722.**	**6571.4**
Stddev	14.6	479.	471.7
%RSD	.20527	.58627	7.1773
#1	7145.9	81383.	6904.9
#2	7125.2	82060.	6237.9

Sample Name: 280-48963-a-3-bSD@5 Acquired: 11/14/2013 20:47:07 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00081**	**.02538**	**.00050**	**.00216**	**.00682**	**.00007**	**.00295**	**5.2297**	**-.00021**	**-.00025**
Stddev	.00019	.00051	.00140	.00022	.00007	.00000	.00209	.0140	.00008	.00003
%RSD	23.952	1.9905	278.52	10.355	.99220	.46309	70.688	.26722	36.320	10.699
#1	-.00067	.02574	.00149	.00232	.00686	.00007	.00148	5.2396	-.00027	-.00023
#2	-.00094	.02502	-.00049	.00200	.00677	.00007	.00443	5.2198	-.00016	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**.00012**	**.01321**	**.41393**	**.00169**	**1.1871**	**.00021**	**.00139**	**3.6055**	**.00023**
Stddev	.00009	.00035	.00189	.04011	.00013	.0022	.00000	.00004	.0027	.00015
%RSD	197.03	291.49	14.343	9.6897	7.4551	.18519	.57455	2.8873	.07447	67.731
#1	.00011	.00037	.01455	.44230	.00160	1.1886	.00021	.00136	3.6036	.00012
#2	-.00002	-.00013	.01187	.38557	.00178	1.1855	.00021	.00142	3.6074	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00000**	**-.00041**	**3.0659**	**.00018**	**.00007**	**.54689**	**1.1703**	**.00161**	**.03951**	**.00374**
Stddev	.0013	.00083	.0043	.00367	.00136	.01259	.0270	.00022	.00030	.00233
%RSD	42033.	201.46	.14151	2019.3	1933.8	2.3024	2.3024	13.630	.76906	62.387
#1	.00090	.00018	3.0628	-.00241	-.00089	.53798	1.1513	.00145	.03930	.00539
#2	-.00091	-.00100	3.0690	.00278	.00103	.55579	1.1894	.00176	.03973	.00209
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00034**	**.00021**	W **-.06571**	**.00053**	**.00601**	**.00077**
Stddev	.00004	.00061	.00866	.00032	.00052	.00141
%RSD	11.575	287.78	13.176	61.217	8.6764	184.13
#1	-.00037	.00065	-.07183	.00076	.00564	.00177
#2	-.00031	-.00022	-.05959	.00030	.00638	-.00023
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7207.8**	**82905.**	**6776.0**
Stddev	55.3	190.	115.3
%RSD	.76716	.22860	1.7013
#1	7246.9	82771.	6857.6
#2	7168.7	83039.	6694.5

Sample Name: 280-48963-a-3-c ms Acquired: 11/14/2013 20:49:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05134**	**1.9526**	**1.0269**	**1.0498**	**2.0079**	**.04738**	F **2.1023**	**70.413**	**.09679**	**.47935**
Stddev	.00015	.0043	.0032	.0038	.0041	.00032	.0053	.175	.00052	.00075
%RSD	.28254	.22225	.31320	.35783	.20200	.67364	.24962	.24889	.53309	.15607
#1	.05144	1.9556	1.0246	1.0524	2.0051	.04761	2.1060	70.537	.09715	.47988
#2	.05124	1.9495	1.0291	1.0471	2.0108	.04716	2.0986	70.289	.09642	.47882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20690**	**.25121**	**1.0212**	**50.007**	**.98895**	**55.154**	**.47877**	**1.0309**	**67.577**	**.50380**
Stddev	.00021	.00047	.0073	.034	.00021	.119	.00073	.0012	.569	.00113
%RSD	.10326	.18557	.71104	.06713	.02169	.21638	.15214	.11380	.84163	.22458
#1	.20705	.25154	1.0263	49.983	.98879	55.239	.47928	1.0317	67.979	.50300
#2	.20675	.25088	1.0160	50.030	.98910	55.070	.47825	1.0300	67.175	.50460
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.482**	**.45982**	**15.501**	**.50417**	**2.0710**	**12.852**	**27.503**	W **2.0021**	**1.1589**	**.98666**
Stddev	.030	.00192	.026	.00223	.0008	.027	.058	.0001	.0010	.00203
%RSD	.28402	.41694	.16763	.44163	.04047	.21155	.21155	.00689	.08828	.20558
#1	10.503	.46118	15.519	.50574	2.0704	12.833	27.462	2.0022	1.1596	.98810
#2	10.461	.45847	15.483	.50260	2.0716	12.871	27.545	2.0020	1.1582	.98523
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0000**	**1.8734**	**3.1627**	**.47933**	**.49050**	**.47569**
Stddev	.0007	.0067	.0147	.00165	.00055	.00136
%RSD	.06722	.35598	.46631	.34343	.11290	.28567
#1	.99954	1.8781	3.1523	.48049	.49011	.47473
#2	1.0005	1.8687	3.1732	.47817	.49090	.47665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.0**	**78990.**	**6830.8**
Stddev	9.4	66.	9.3
%RSD	.13499	.08332	.13610
#1	6943.3	78943.	6824.3
#2	6956.6	79036.	6837.4

Sample Name: 280-48963-a-3-d msd Acquired: 11/14/2013 20:51:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200095 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05063**	**1.9323**	**1.0252**	**1.0476**	**1.9898**	**.04655**	F **2.0931**	**70.129**	**.09597**	**.47307**
Stddev	.00070	.0022	.0033	.0001	.0008	.00001	.0006	.095	.00007	.00042
%RSD	1.3916	.11588	.31898	.01341	.03833	.01892	.02838	.13493	.07094	.08818
#1	.05013	1.9339	1.0229	1.0477	1.9892	.04655	2.0935	70.196	.09602	.47278
#2	.05112	1.9307	1.0275	1.0475	1.9903	.04656	2.0927	70.062	.09593	.47337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20552**	**.24844**	**1.0082**	**49.642**	**.97876**	**54.502**	**.47265**	**1.0215**	**67.528**	**.50080**
Stddev	.00027	.00151	.0003	.052	.00062	.012	.00067	.0023	.433	.00216
%RSD	.13377	.60622	.02726	.10501	.06349	.02257	.14083	.22630	.64064	.43138
#1	.20572	.24951	1.0081	49.679	.97919	54.511	.47312	1.0231	67.834	.49928
#2	.20533	.24738	1.0084	49.605	.97832	54.493	.47218	1.0199	67.222	.50233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.379**	**.45825**	**15.683**	**.50105**	**2.0590**	**12.824**	**27.443**	**1.9855**	**1.1509**	**.97110**
Stddev	.011	.00048	.011	.00320	.0093	.015	.033	.0012	.0006	.00030
%RSD	.10999	.10371	.07074	.63778	.45336	.12037	.12037	.06270	.05034	.03066
#1	10.387	.45792	15.675	.49879	2.0524	12.813	27.420	1.9846	1.1513	.97089
#2	10.371	.45859	15.691	.50331	2.0656	12.835	27.467	1.9864	1.1504	.97131
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98746**	**1.8628**	**3.1674**	**.47447**	**.48404**	**.47126**
Stddev	.00127	.0058	.0536	.00379	.00127	.00041
%RSD	.12892	.31245	1.6910	.79954	.26185	.08758
#1	.98836	1.8669	3.2053	.47716	.48315	.47156
#2	.98656	1.8587	3.1295	.47179	.48494	.47097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6944.9**	**79152.**	**6792.5**
Stddev	10.3	146.	21.3
%RSD	.14819	.18445	.31321
#1	6937.7	79049.	6777.5
#2	6952.2	79255.	6807.5

Sample Name: CCVH-2372891 Acquired: 11/14/2013 20:53:42 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00584**	**48.703**	**-.00270**	**.00391**	**.00145**	**-.00006**	W **1.0510**	**.04123**	**.00073**	**-.00098**	**.00019**	**-.00662**
Stddev	.00072	.206	.00053	.00044	.00074	.00001	.0013	.02848	.00000	.00017	.00015	.00033
%RSD	12.297	.42275	19.523	11.347	50.623	23.210	.11929	69.087	.62235	17.631	76.662	5.0567
#1	-.00533	48.557	-.00233	.00422	.00093	-.00005	1.0519	.02109	.00072	-.00086	.00030	-.00686
#2	-.00635	48.848	-.00308	.00359	.00198	-.00007	1.0502	.06137	.00073	-.00110	.00009	-.00638
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.158**	**.23149**	**.00118**	**.05938**	**-.00011**	**.00085**	**247.51**	**-.00067**	**.00446**	**-.00271**	**5.0411**	**.00116**
Stddev	.499	.00976	.00174	.00654	.00008	.00011	.83	.00001	.00028	.00043	.0037	.00087
%RSD	.99496	4.2179	148.28	11.016	71.416	12.557	.33362	2.0562	6.3464	15.803	.07406	74.715
#1	49.805	.22459	-.00006	.06401	-.00005	.00093	246.93	-.00066	.00426	-.00241	5.0438	.00055
#2	50.511	.23840	.00241	.05476	-.00017	.00078	248.10	-.00068	.00466	-.00302	5.0385	.00178
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00797**	**.01024**	**.02192**	**.00011**	**.00041**	**4.9946**	**.01214**	**.00354**	F **8.0161**	**.00048**	**.00213**	**-.06948**
Stddev	.00049	.00771	.01650	.00024	.00050	.0003	.00007	.00027	.0423	.00006	.00007	.00168
%RSD	6.1159	75.288	75.288	224.45	120.45	.00546	.59077	7.6998	.52800	12.725	3.4604	2.4190
#1	-.00832	.01569	.03358	-.00006	.00006	4.9944	.01219	.00335	8.0460	.00052	.00208	-.07066
#2	-.00763	.00479	.01025	.00028	.00077	4.9948	.01209	.00373	7.9861	.00043	.00218	-.06829
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7028.8**	**79236.**	**6762.3**
Stddev	5.4	88.	27.2
%RSD	.07738	.11088	.40160
#1	7024.9	79298.	6781.5
#2	7032.6	79174.	6743.1

Sample Name: CCV-2372889 Acquired: 11/14/2013 20:56:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53037**	**.52469**	**1.0233**	**.51772**	**.49901**	**.47337**	**-.00944**	**4.6844**	**.48774**	**.50039**	**.52409**	**.49957**	**2.5905**
Stddev	.00030	.00315	.0050	.00004	.00113	.00135	.00133	.0050	.00030	.00037	.00009	.00120	.0103
%RSD	.05690	.60044	.48545	.00801	.22694	.28419	14.098	.10628	.06153	.07458	.01778	.23980	.39820
#1	.53016	.52692	1.0268	.51775	.49820	.47242	-.01038	4.6809	.48795	.50066	.52415	.49872	2.5832
#2	.53058	.52246	1.0198	.51769	.49981	.47432	-.00850	4.6879	.48753	.50013	.52402	.50042	2.5978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.763**	**.97825**	**20.164**	**.49054**	**.51962**	**5.0795**	**.52742**	**1.0321**	**.97176**	**-.00362**	**1.0187**	**1.0499**	**5.0822**
Stddev	.132	.00399	.006	.00036	.00092	.0043	.00181	.0071	.00117	.00360	.0076	.0043	.0114
%RSD	.27655	.40737	.02943	.07378	.17769	.08467	.34255	.68862	.11990	99.498	.74484	.40523	.22487
#1	47.670	.97543	20.168	.49080	.52027	5.0765	.52870	1.0371	.97258	-.00107	1.0240	1.0529	5.0741
#2	47.857	.98107	20.159	.49029	.51896	5.0825	.52615	1.0271	.97094	-.00616	1.0133	1.0469	5.0903
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.876**	**1.0333**	**.48942**	**.00754**	**.49976**	**1.0069**	**-.05905**	**.48055**	**.50276**	**.49152**
Stddev	.024	.0061	.00045	.00209	.00039	.0077	.04085	.00106	.00291	.00145
%RSD	.22487	.59218	.09186	27.695	.07724	.76353	69.168	.22068	.57944	.29572
#1	10.859	1.0377	.48910	.00902	.49949	1.0123	-.08794	.47980	.50070	.49255
#2	10.893	1.0290	.48974	.00606	.50003	1.0014	-.03017	.48130	.50482	.49049
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.9**	**80559.**	**6726.7**
Stddev	6.8	266.	32.1
%RSD	.09642	.33059	.47787
#1	7094.0	80370.	6704.0
#2	7103.7	80747.	6749.4

Sample Name: CCB Acquired: 11/14/2013 20:58:14 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.01163**	**-.00287**	**.00246**	**.00015**	**.00015**	**.00360**	**-.00133**	**.00026**	**.00016**	**.00006**	**-.00105**
Stddev	.00032	.01654	.00030	.00047	.00019	.00003	.00456	.00401	.00024	.00021	.00026	.00008
%RSD	40.473	142.24	10.527	18.923	122.52	16.911	126.76	302.11	91.710	128.10	417.88	7.2774
#1	-.00057	.02332	-.00266	.00279	.00029	.00013	.00683	.00151	.00043	.00031	.00025	-.00100
#2	-.00102	-.00007	-.00309	.00213	.00002	.00017	.00037	-.00416	.00009	.00002	-.00012	-.00111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.14318**	**.00156**	**.00223**	**.00002**	**.00081**	W **.14074**	**.00041**	**.00399**	**.00010**	**.01156**	F **.00889**
Stddev	.00215	.02167	.00036	.00093	.00002	.00040	.00024	.00037	.00533	.00067	.00819	.00147
%RSD	968.97	15.134	23.114	41.882	85.600	48.537	.16862	90.153	133.59	697.51	70.830	16.568
#1	.00130	.12786	.00181	.00157	.00001	.00109	.14057	.00068	.00776	-.00038	.01735	.00993
#2	-.00174	.15850	.00130	.00288	.00003	.00054	.14091	.00015	.00022	.00057	.00577	.00785
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.01374**	**.02940**	**.00073**	**.00004**	**.00261**	**-.00017**	**.00137**	**-.01704**	**-.00002**	**.00272**	**-.00086**
Stddev	.00578	.00948	.02028	.00063	.00003	.00412	.00021	.00091	.07203	.00034	.00003	.00000
%RSD	5686.9	68.983	68.983	86.229	76.466	158.28	126.78	66.489	422.58	2180.6	1.0369	.49147
#1	.00419	.00704	.01506	.00118	.00006	-.00031	-.00002	.00201	.03389	.00022	.00270	-.00087
#2	-.00399	.02044	.04374	.00029	.00002	.00552	-.00032	.00072	-.06798	-.00025	.00274	-.00086
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7113.5**	**81732.**	**6716.0**
Stddev	17.3	27.	40.7
%RSD	.24255	.03321	.60627
#1	7125.7	81713.	6744.8
#2	7101.3	81752.	6687.2

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:00:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	**.10927**	**.01477**	**.10381**	**.01039**	**.00098**	**.11920**	**.20918**	**.00488**	**.01010**	**.01078**	**.01400**	**.10703**	**2.9954**
Stddev	.00015	.00010	.00003	.00019	.00018	.00000	.00102	.00269	.00004	.00001	.00032	.00055	.00542	.0195
%RSD	1.4364	.09515	.23667	.18226	1.7023	.18188	.85250	1.2847	.73335	.12176	3.0007	3.9060	5.0638	.64984
#1	.01025	.10919	.01475	.10368	.01051	.00098	.11848	.20728	.00485	.01010	.01101	.01362	.10319	2.9816
#2	.01004	.10934	.01480	.10394	.01026	.00098	.11992	.21108	.00491	.01011	.01055	.01439	.11086	3.0092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01189**	**.21369**	**.01016**	**.02045**	**1.1166**	**.04364**	**3.0532**	**.00825**	**.00213**	**.01182**	**.01473**	**.49543**	**1.0602**	**.10585**
Stddev	.00131	.00029	.00007	.00003	.0088	.00019	.0086	.00042	.00197	.00012	.00291	.00320	.0069	.00039
%RSD	10.981	.13744	.64844	.14793	.79007	.43758	.28230	5.0500	92.722	1.0497	19.757	.64688	.64688	.36915
#1	.01281	.21390	.01012	.02047	1.1103	.04350	3.0471	.00854	.00073	.01191	.01268	.49316	1.0554	.10557
#2	.01097	.21348	.01021	.02043	1.1228	.04377	3.0593	.00795	.00352	.01173	.01679	.49769	1.0651	.10613
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00977**	**.01663**	**.00972**	**.01742**	**.06417**	**.00943**	**.02493**	**.01564**
Stddev	.00021	.00034	.00008	.00005	.02417	.00021	.00005	.00106
%RSD	2.1062	2.0533	.86812	.29677	37.666	2.2449	.21644	6.7667
#1	.00963	.01687	.00978	.01738	.08125	.00928	.02489	.01489
#2	.00992	.01639	.00966	.01745	.04708	.00958	.02497	.01639
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7253.5**	**82786.**	**6729.0**
Stddev	8.8	98.	9.8
%RSD	.12182	.11839	.14613
#1	7259.7	82855.	6736.0
#2	7247.2	82717.	6722.1

Sample Name: mb 280-199865/1-a Acquired: 11/14/2013 21:02:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00076**	**.00392**	**-.00079**	**.00082**	**.00002**	**.00002**	**.00359**	**.00874**	**.00002**	**-.00011**
Stddev	.00038	.00012	.00165	.00011	.00012	.00001	.00009	.00262	.00004	.00023
%RSD	49.505	3.0425	208.53	13.661	754.51	53.188	2.5273	30.017	217.57	211.73
#1	-.00102	.00401	-.00196	.00089	-.00007	.00003	.00366	.00688	.00005	-.00028
#2	-.00049	.00384	.00038	.00074	.00010	.00001	.00353	.01059	-.00001	.00005
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**-.00033**	**.00352**	**.10148**	**.00224**	**.00405**	**.00022**	**-.00011**	W **.10276**	**.00016**
Stddev	.00005	.00001	.00188	.07198	.00043	.00149	.00003	.00010	.01432	.00038
%RSD	79.246	3.4167	53.444	70.930	19.139	36.787	12.439	92.963	13.937	240.43
#1	-.00003	-.00032	.00485	.05058	.00193	.00510	.00020	-.00018	.09263	-.00011
#2	-.00011	-.00034	.00219	.15238	.00254	.00300	.00024	-.00004	.11289	.00042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00020**	**.00402**	**.00032**	**.00303**	F **.01374**	**.02941**	**-.00072**	**-.00007**	W **.00211**
Stddev	.00133	.00044	.00017	.00090	.00157	.00271	.00581	.00084	.00012	.00188
%RSD	443.18	225.09	4.2972	281.46	52.022	19.749	19.749	116.45	160.61	89.099
#1	.00124	.00012	.00414	.00095	.00414	.01182	.02530	-.00013	-.00016	.00078
#2	-.00064	-.00051	.00390	-.00032	.00191	.01566	.03351	-.00131	.00001	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit						.01000				.00000
Low Limit						-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**.00023**	**-.02520**	**-.00033**	**.00314**	**-.00108**
Stddev	.00005	.00076	.02896	.00013	.00015	.00270
%RSD	17.954	329.41	114.91	41.109	4.7322	250.58
#1	-.00023	-.00031	-.00472	-.00042	.00324	.00083
#2	-.00030	.00077	-.04568	-.00023	.00303	-.00298
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7213.1**	**82402.**	**6765.9**
Stddev	8.0	133.	26.0
%RSD	.11150	.16154	.38458
#1	7207.4	82496.	6784.3
#2	7218.8	82307.	6747.5

Sample Name: lcs 280-199865/2-a Acquired: 11/14/2013 21:05:12 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05055**	**1.9716**	**1.0319**	**1.0494**	**2.0175**	**.04792**	**2.1234**	**46.235**	**.09802**	**.48812**
Stddev	.00032	.0034	.0001	.0014	.0022	.00010	.0057	.093	.00023	.00021
%RSD	.63199	.17256	.00829	.13653	.10727	.20799	.26960	.20175	.23887	.04373
#1	.05077	1.9691	1.0318	1.0505	2.0160	.04785	2.1274	46.169	.09818	.48827
#2	.05032	1.9740	1.0319	1.0484	2.0190	.04799	2.1193	46.301	.09785	.48797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21154**	**.25110**	**1.0285**	**48.692**	**.99449**	**50.160**	**.48622**	**1.0447**	**51.064**	**.51630**
Stddev	.00042	.00129	.0021	.035	.00253	.266	.00128	.0011	.480	.00031
%RSD	.19704	.51381	.20215	.07235	.25481	.52990	.26385	.10894	.94038	.06059
#1	.21184	.25201	1.0300	48.668	.99270	49.973	.48531	1.0455	51.404	.51652
#2	.21125	.25019	1.0270	48.717	.99629	50.348	.48712	1.0439	50.725	.51608
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.446**	**.46919**	**-.00243**	**.51664**	**2.1030**	**10.312**	**22.068**	**2.0577**	**.98869**	**1.0006**
Stddev	.018	.00017	.00431	.00006	.0117	.051	.108	.0009	.00038	.0047
%RSD	.17075	.03687	177.41	.01106	.55844	.48974	.48974	.04326	.03883	.47204
#1	10.458	.46932	-.00548	.51660	2.1113	10.348	22.145	2.0571	.98841	.99726
#2	10.433	.46907	.00062	.51668	2.0947	10.277	21.992	2.0584	.98896	1.0039
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0206**	**1.9302**	F **3.2313**	**.48735**	**.49195**	**.48408**
Stddev	.0038	.0011	.0095	.00327	.00328	.00099
%RSD	.37367	.05829	.29246	.67092	.66745	.20388
#1	1.0179	1.9310	3.2380	.48504	.48963	.48338
#2	1.0233	1.9294	3.2247	.48966	.49428	.48478
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6965.5**	**79825.**	**6853.0**
Stddev	23.8	578.	49.6
%RSD	.34224	.72413	.72389
#1	6982.4	80234.	6888.1
#2	6948.6	79416.	6818.0

Sample Name: 280-48905-a-2-a Acquired: 11/14/2013 21:07:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.53815**	**-.00029**	**.24539**	**.09542**	**.00006**	**.00756**	**70.005**	**.00041**	**.00052**
Stddev	.00021	.00172	.00164	.00061	.00151	.00003	.00070	.046	.00012	.00010
%RSD	64.274	.31899	569.44	.24808	1.5816	52.648	9.2971	.06546	30.271	18.383
#1	-.00018	.53694	-.00144	.24583	.09435	.00004	.00806	69.972	.00032	.00059
#2	-.00049	.53937	.00087	.24496	.09649	.00008	.00706	70.037	.00049	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00191**	**.16148**	**7.1828**	**16.388**	**.03063**	**16.913**	**.08668**	**.00742**	**118.34**	**.00356**
Stddev	.00005	.00026	.0291	.065	.00102	.000	.00026	.00018	.35	.00008
%RSD	2.3612	.16173	.40558	.39520	3.3369	.00017	.29884	2.4319	.29441	2.2439
#1	.00188	.16167	7.1622	16.343	.02991	16.913	.08649	.00755	118.09	.00351
#2	.00194	.16130	7.2034	16.434	.03135	16.913	.08686	.00729	118.58	.00362
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1798**	**.00074**	**49.815**	**.00088**	**.00588**	**2.6027**	**5.5698**	**.00290**	**.73007**	**.00243**
Stddev	.0091	.00274	.064	.00047	.00081	.0503	.1077	.00016	.00165	.00073
%RSD	.14698	371.45	.12832	52.906	13.747	1.9340	1.9340	5.6612	.22576	30.042
#1	6.1734	.00267	49.860	.00121	.00531	2.5671	5.4936	.00278	.72890	.00295
#2	6.1862	-.00120	49.770	.00055	.00645	2.6383	5.6459	.00302	.73123	.00192
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02033**	**.00135**	**-.04422**	**.00384**	**.11592**	**.00476**
Stddev	.00055	.00111	.00552	.00007	.00011	.00154
%RSD	2.6942	82.155	12.478	1.7479	.09567	32.336
#1	.01994	.00213	-.04813	.00379	.11584	.00367
#2	.02072	.00056	-.04032	.00389	.11600	.00584
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6951.9**	**80328.**	**6988.2**
Stddev	22.4	177.	5.7
%RSD	.32243	.22055	.08185
#1	6967.7	80453.	6984.2
#2	6936.0	80202.	6992.3

Sample Name: 280-48905-a-2-aSD@5 Acquired: 11/14/2013 21:09:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00040**	**.11947**	**-.00159**	**.05028**	**.01938**	**.00000**	**.00450**	**14.347**	**-.00006**	**.00004**
Stddev	.00023	.00027	.00079	.00003	.00034	.0000	.00117	.030	.00009	.00016
%RSD	58.597	.22354	50.016	.05346	1.7391	1164.8	25.957	.21046	157.54	392.53
#1	-.00023	.11966	-.00215	.05030	.01914	-.00003	.00367	14.368	-.00012	.00015
#2	-.00056	.11928	-.00103	.05026	.01962	.00002	.00532	14.326	.00001	-.00007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.03234**	**1.4976**	**3.3783**	**.00707**	**3.5369**	**.01795**	**.00139**	**25.029**	**.00074**
Stddev	.00005	.00017	.0121	.0061	.00137	.0029	.00009	.00005	.380	.00030
%RSD	18.560	.52779	.80510	.18053	19.454	.08207	.52592	3.9377	1.5175	41.331
#1	.00030	.03222	1.4890	3.3826	.00609	3.5348	.01802	.00135	24.760	.00095
#2	.00023	.03246	1.5061	3.3740	.00804	3.5389	.01788	.00143	25.298	.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2184**	**-.00044**	**9.7920**	**.00067**	**.00226**	**.52429**	**1.1220**	**.00197**	**.14914**	**.00223**
Stddev	.0126	.00097	.0350	.00167	.00165	.00066	.0014	.00008	.00028	.00321
%RSD	1.0332	222.67	.35797	248.53	72.987	.12551	.12551	3.8885	.18538	143.88
#1	1.2273	-.00112	9.8168	.00186	.00342	.52475	1.1230	.00192	.14934	.00450
#2	1.2095	.00025	9.7672	-.00051	.00109	.52382	1.1210	.00203	.14895	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00052**	**-.02348**	**.00076**	**.02785**	**.00041**
Stddev	.00007	.00024	.02601	.00030	.00042	.00045
%RSD	1.6585	46.892	110.76	39.664	1.5093	109.63
#1	.00426	.00069	-.04187	.00054	.02756	.00009
#2	.00416	.00035	-.00509	.00097	.02815	.00074
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7213.4**	**83347.**	**7018.7**
Stddev	3.9	201.	7.1
%RSD	.05456	.24109	.10076
#1	7216.1	83205.	7023.7
#2	7210.6	83489.	7013.7

Sample Name: 280-48905-a-2-b ms Acquired: 11/14/2013 21:11:55 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05031**	**2.3921**	W **2.5406**	**.98687**	**1.2249**	**1.9430**	**.04389**	F **2.0527**	**109.17**	**.09352**
Stddev	.00099	.0020	.0227	.00368	.0094	.0035	.00007	.0197	.31	.00055
%RSD	1.9776	.08352	.89522	.37294	.76991	.18163	.16840	.96051	.28719	.58313
#1	.05102	2.3935	2.5245	.98426	1.2182	1.9405	.04384	2.0388	108.95	.09314
#2	.04961	2.3907	2.5567	.98947	1.2315	1.9455	.04394	2.0667	109.39	.09391
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44445**	**.19358**	**.38704**	**7.7627**	**62.206**	**.96388**	**61.500**	**.52242**	**.96644**	**161.75**
Stddev	.00028	.00170	.00111	.0244	.167	.00422	.040	.00021	.00107	.26
%RSD	.06272	.87976	.28568	.31485	.26811	.43781	.06511	.04020	.11027	.15854
#1	.44426	.19237	.38783	7.7454	62.088	.96090	61.528	.52257	.96568	161.93
#2	.44465	.19478	.38626	7.7800	62.324	.96687	61.472	.52228	.96719	161.57
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47327**	W **15.363**	**.43436**	**49.046**	**.48345**	**2.0001**	**12.577**	**26.915**	**1.7829**	**1.6099**
Stddev	.00310	.003	.00043	.009	.00058	.0061	.073	.157	.0077	.0039
%RSD	.65539	.01775	.09908	.01936	.11975	.30486	.58245	.58245	.43306	.24491
#1	.47108	15.361	.43406	49.039	.48304	1.9958	12.525	26.804	1.7774	1.6072
#2	.47546	15.364	.43466	49.053	.48386	2.0044	12.629	27.026	1.7883	1.6127
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57658**	**.91083**	**1.7564**	**2.9574**	**.44923**	**.55514**	**.23769**
Stddev	.00043	.00065	.0091	.0161	.00238	.00063	.00147
%RSD	.07421	.07135	.51589	.54467	.52923	.11374	.61829
#1	.57628	.91129	1.7500	2.9460	.44755	.55469	.23666
#2	.57689	.91037	1.7628	2.9688	.45092	.55559	.23873
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6858.5**	**78116.**	**6944.5**
Stddev	6.0	207.	23.7
%RSD	.08717	.26513	.34116
#1	6862.7	78263.	6961.2
#2	6854.3	77970.	6927.7

Sample Name: 280-48905-a-2-c msd Acquired: 11/14/2013 21:14:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288
Line	328.068 {103}	167.079 {502}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05180**	**2.4192**	W **2.5799**	**1.0047**	**1.2505**	**1.9790**	**.04478**	F **2.0950**	**112.58**	**.09531**
Stddev	.00081	.0069	.0077	.0045	.0018	.0018	.00033	.0012	.29	.00016
%RSD	1.5564	.28407	.29991	.44361	.14293	.08997	.73423	.05706	.25851	.16796
#1	.05237	2.4143	2.5745	1.0015	1.2492	1.9778	.04455	2.0941	112.38	.09542
#2	.05123	2.4240	2.5854	1.0078	1.2518	1.9803	.04501	2.0958	112.79	.09519
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit			500.00					.10000		
Low Limit			3.2000					-.10000		

Elem	Co2286	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183
Line	228.616 {447}	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.45283**	**.19648**	**.39769**	**8.0376**	**63.855**	**.98684**	**62.585**	**.53315**	**.98641**	**167.08**
Stddev	.00009	.00015	.00047	.0463	.095	.00141	.010	.00004	.00007	.21
%RSD	.01936	.07722	.11816	.57557	.14917	.14282	.01669	.00821	.00693	.12799
#1	.45289	.19637	.39802	8.0049	63.787	.98585	62.578	.53318	.98637	167.23
#2	.45276	.19658	.39735	8.0703	63.922	.98784	62.593	.53312	.98646	166.93
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.47902**	W **15.733**	**.44045**	**50.971**	**.48980**	**2.0225**	**12.876**	**27.554**	**1.8036**	**1.6532**
Stddev	.00110	.013	.00017	.091	.00078	.0093	.046	.098	.0032	.0014
%RSD	.23058	.08142	.03804	.17936	.15939	.45926	.35455	.35455	.17761	.08290
#1	.47824	15.743	.44033	51.035	.48925	2.0290	12.908	27.623	1.8013	1.6523
#2	.47980	15.724	.44057	50.906	.49035	2.0159	12.843	27.485	1.8058	1.6542
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.57487**	**.92696**	**1.7845**	**3.0230**	**.45720**	**.56425**	**.23509**
Stddev	.00172	.00174	.0036	.0102	.00041	.00210	.00040
%RSD	.29888	.18729	.19868	.33687	.09032	.37184	.17047
#1	.57609	.92574	1.7820	3.0302	.45691	.56276	.23481
#2	.57366	.92819	1.7870	3.0158	.45749	.56573	.23538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6833.7**	**78474.**	**6842.6**
Stddev	16.7	326.	10.9
%RSD	.24509	.41599	.15966
#1	6845.6	78705.	6850.3
#2	6821.9	78244.	6834.9

Sample Name: 280-48905-a-4-a Acquired: 11/14/2013 21:16:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.02772**	**-.00120**	**.23726**	**.04357**	**-.00005**	**.00293**	**70.876**	**.00034**	**.00000**
Stddev	.00034	.00008	.00019	.00045	.00003	.00001	.00266	.102	.00001	.0000
%RSD	48.996	.27084	15.792	.19016	.07993	21.175	90.706	.14383	1.7010	1825.9
#1	-.00093	.02778	-.00133	.23694	.04355	-.00006	.00481	70.804	.00034	.00003
#2	-.00045	.02767	-.00106	.23757	.04360	-.00004	.00105	70.948	.00033	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00033**	**.01371**	**.33849**	**15.954**	**.03246**	**17.106**	**.02014**	**.00583**	**119.16**	**.00202**
Stddev	.00017	.00076	.00279	.069	.00085	.019	.00003	.00009	.20	.00014
%RSD	50.172	5.5536	.82363	.43522	2.6319	.11208	.17048	1.4791	.16458	6.8645
#1	.00021	.01317	.34046	16.003	.03186	17.120	.02017	.00577	119.29	.00192
#2	.00045	.01425	.33652	15.905	.03306	17.093	.02012	.00589	119.02	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39388**	**-.00091**	**50.971**	**-.00112**	**.00364**	**2.2603**	**4.8371**	**-.00001**	**.72495**	**.00169**
Stddev	.00134	.00108	.069	.00210	.00164	.0268	.0573	.00002	.00177	.00237
%RSD	.34052	118.33	.13528	187.06	45.151	1.1841	1.1841	228.49	.24432	140.29
#1	.39293	-.00015	50.922	.00036	.00480	2.2792	4.8775	-.00003	.72370	.00001
#2	.39483	-.00167	51.019	-.00261	.00248	2.2414	4.7966	.00001	.72620	.00337
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00057**	**.00162**	**-.02707**	**.00040**	**.05206**	**.00015**
Stddev	.00011	.00078	.07465	.00011	.00080	.00009
%RSD	19.088	47.890	275.73	28.730	1.5340	61.562
#1	.00064	.00217	.02571	.00032	.05262	.00022
#2	.00049	.00107	-.07985	.00048	.05149	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6962.6**	**79340.**	**6837.2**
Stddev	7.6	282.	21.1
%RSD	.10855	.35514	.30917
#1	6957.3	79141.	6852.1
#2	6968.0	79539.	6822.2

Sample Name: 280-48917-c-1-a Acquired: 11/14/2013 21:18:25 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199865 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**12.961**	**.00064**	**.84069**	**.02888**	**-.00005**	**.00253**	**98.297**	**.00031**	**.00000**
Stddev	.00036	.046	.00023	.00048	.00009	.00008	.00081	.374	.00006	.00015
%RSD	38.712	.35411	36.167	.05763	.31188	164.65	31.890	.38095	19.888	40367.
#1	-.00118	12.994	.00048	.84035	.02894	.00001	.00310	98.562	.00036	-.00010
#2	-.00067	12.929	.00080	.84103	.02882	-.00011	.00196	98.033	.00027	.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01614**	**.01305**	**.26110**	**2.4683**	**.01270**	**5.8460**	**.07742**	**.01136**	**22.444**	**.01216**
Stddev	.00012	.00069	.00424	.0687	.00279	.0076	.00003	.00000	.530	.00022
%RSD	.75199	5.2794	1.6225	2.7838	21.951	.13062	.04253	.02484	2.3636	1.7822
#1	.01605	.01257	.25811	2.4197	.01073	5.8514	.07745	.01136	22.069	.01200
#2	.01623	.01354	.26410	2.5169	.01467	5.8406	.07740	.01135	22.819	.01231
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06830**	**.00152**	**75.513**	**-.00067**	**-.00182**	**.86662**	**1.8546**	**-.00049**	**.23374**	**.00319**
Stddev	.00118	.00116	.091	.00322	.00409	.00270	.0058	.00034	.00069	.00099
%RSD	1.7289	76.383	.12088	483.71	224.86	.31145	.31145	69.471	.29414	31.132
#1	.06747	.00233	75.448	.00161	.00107	.86853	1.8586	-.00025	.23423	.00249
#2	.06914	.00070	75.577	-.00294	-.00472	.86471	1.8505	-.00073	.23326	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00065**	**.00096**	**-.02307**	**.00092**	**.01943**	**-.00127**
Stddev	.00010	.00144	.00228	.00009	.00025	.00011
%RSD	14.936	150.59	9.8692	9.5010	1.2865	8.9316
#1	.00071	-.00006	-.02468	.00086	.01960	-.00119
#2	.00058	.00197	-.02146	.00099	.01925	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7016.2**	**80572.**	**6898.9**
Stddev	5.9	70.	46.9
%RSD	.08440	.08727	.68039
#1	7020.4	80523.	6865.7
#2	7012.0	80622.	6932.1

Sample Name: CCVH-2372891 Acquired: 11/14/2013 21:20:45 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00559**	**48.550**	**-.00072**	**.00416**	**.00025**	**-.00005**	W **1.0587**	**.01976**	**.00076**	**-.00078**	**.00039**	**-.00615**
Stddev	.00109	.102	.00187	.00118	.00029	.00002	.0015	.00110	.00016	.00010	.00009	.00045
%RSD	19.439	.21028	260.73	28.452	117.62	29.947	.14226	5.5603	21.209	12.630	22.799	7.3140
#1	-.00636	48.622	.00060	.00500	.00045	-.00004	1.0598	.02054	.00064	-.00071	.00046	-.00647
#2	-.00482	48.478	-.00204	.00332	.00004	-.00006	1.0576	.01899	.00087	-.00084	.00033	-.00583
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.804**	**.20330**	**.00173**	**.06921**	**-.00018**	**.00050**	**248.65**	**-.00072**	**.00502**	**-.00148**	**5.1320**	**.00134**
Stddev	.120	.00359	.00013	.01164	.00007	.00013	.33	.00004	.00358	.00097	.0501	.00202
%RSD	.23603	1.7652	7.7394	16.824	40.109	25.696	.13314	5.9526	71.312	65.603	.97680	151.26
#1	50.889	.20584	.00163	.06098	-.00023	.00059	248.42	-.00069	.00755	-.00079	5.1674	-.00009
#2	50.719	.20077	.00182	.07745	-.00013	.00041	248.89	-.00075	.00249	-.00216	5.0965	.00277
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00557**	**-.00426**	**-.00912**	**-.00060**	**.00000**	**5.0035**	**.01164**	**.00292**	F **8.0587**	**.00068**	**.00205**	**-.06839**
Stddev	.00058	.00275	.00588	.00088	.0000	.0014	.00033	.00001	.0039	.00003	.00030	.00301
%RSD	10.375	64.409	64.409	146.46	1084.2	.02734	2.8716	.24695	.04843	3.7495	14.483	4.4021
#1	-.00516	-.00620	-.01328	-.00123	-.00004	5.0045	.01140	.00292	8.0614	.00066	.00225	-.06626
#2	-.00598	-.00232	-.00497	.00002	.00003	5.0025	.01187	.00293	8.0559	.00070	.00184	-.07052
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7178.9**	**80981.**	**7029.2**
Stddev	17.2	99.	36.7
%RSD	.23892	.12275	.52162
#1	7166.8	80910.	7055.1
#2	7191.0	81051.	7003.2

Sample Name: CCV-2372889 Acquired: 11/14/2013 21:23:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52972**	**.52045**	**1.0285**	**.52122**	**.50019**	**.47447**	**-.00855**	**4.7041**	**.48723**	**.49791**	**.52146**	**.50272**	**2.5835**
Stddev	.00093	.00060	.0032	.00068	.00023	.00087	.00026	.0432	.00044	.00061	.00038	.00117	.0157
%RSD	.17513	.11574	.30978	.13010	.04681	.18371	3.0614	.91918	.09015	.12217	.07336	.23227	.60899
#1	.53038	.52087	1.0263	.52170	.50003	.47509	-.00874	4.6735	.48754	.49748	.52173	.50355	2.5946
#2	.52907	.52002	1.0308	.52074	.50036	.47386	-.00837	4.7346	.48692	.49834	.52119	.50189	2.5724
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.721**	**.97907**	**19.911**	**.48628**	**.51326**	**5.1128**	**.52542**	**1.0245**	**.96116**	**-.00013**	**1.0151**	**1.0416**	**5.0511**
Stddev	.001	.00044	.030	.00106	.00039	.0188	.00003	.0008	.00131	.00124	.0049	.0033	.0514
%RSD	.00147	.04465	.14995	.21788	.07606	.36711	.00653	.08123	.13629	969.12	.48468	.32092	1.0169
#1	47.722	.97876	19.932	.48703	.51298	5.1261	.52539	1.0240	.96209	-.00100	1.0185	1.0439	5.0148
#2	47.721	.97938	19.890	.48553	.51354	5.0995	.52544	1.0251	.96024	.00075	1.0116	1.0392	5.0874
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.809**	**1.0147**	**.49110**	**.00368**	**.49621**	**.99673**	**-.03220**	**.47582**	**.49225**	**.49223**
Stddev	.110	.0017	.00001	.00031	.00067	.00092	.07901	.00334	.00190	.00455
%RSD	1.0169	.16439	.00304	8.4948	.13506	.09250	245.40	.70267	.38686	.92393
#1	10.732	1.0135	.49109	.00390	.49573	.99608	-.08806	.47345	.49359	.48902
#2	10.887	1.0159	.49112	.00346	.49668	.99738	.02367	.47818	.49090	.49545
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7248.7**	**83116.**	**7026.3**
Stddev	14.6	24.	22.5
%RSD	.20176	.02836	.31981
#1	7238.3	83132.	7010.4
#2	7259.0	83099.	7042.1

Sample Name: CCB Acquired: 11/14/2013 21:25:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**.00064**	**-.00059**	**.00254**	**.00032**	**.00006**	**.00355**	**.00159**	**.00006**	**-.00007**	**-.00003**	**-.00094**
Stddev	.00029	.00077	.00167	.00025	.00007	.00014	.00106	.00205	.00008	.00019	.00001	.00027
%RSD	35.770	119.53	282.40	10.004	22.977	261.87	29.771	129.20	142.68	292.73	44.117	28.803
#1	-.00061	.00119	.00059	.00272	.00027	.00016	.00280	.00014	.00000	.00007	-.00004	-.00075
#2	-.00102	.00010	-.00177	.00236	.00038	-.00005	.00429	.00304	.00012	-.00020	-.00002	-.00113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00078**	**.15171**	**.00248**	**.00159**	**.00006**	**.00014**	W **.15337**	**.00002**	**-.00079**	**-.00079**	**.00653**	W **.00554**
Stddev	.00093	.01800	.00037	.00084	.00000	.00007	.00091	.00006	.00052	.00120	.00083	.00114
%RSD	119.12	11.865	15.024	52.921	.70904	49.885	.59650	267.14	65.691	151.39	12.747	20.625
#1	-.00012	.16444	.00275	.00099	.00006	.00020	.15272	.00006	-.00042	-.00164	.00712	.00473
#2	-.00144	.13898	.00222	.00218	.00006	.00009	.15402	-.00002	-.00115	.00006	.00594	.00635
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.01123**	**.02404**	**-.00024**	**-.00008**	**.00354**	**.00018**	**-.00001**	**-.02116**	**-.00017**	**.00259**	**-.00004**
Stddev	.00139	.00066	.00141	.00005	.00005	.00061	.00011	.00009	.05922	.00001	.00019	.00217
%RSD	541.33	5.8858	5.8858	21.473	55.378	17.108	63.173	764.25	279.83	6.6464	7.1854	5243.7
#1	.00073	.01170	.02504	-.00020	-.00012	.00311	.00010	-.00007	.02071	-.00018	.00272	.00150
#2	-.00124	.01077	.02304	-.00027	-.00005	.00397	.00026	.00005	-.06303	-.00016	.00246	-.00158
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7227.5**	**83104.**	**6971.8**
Stddev	26.2	131.	77.3
%RSD	.36280	.15723	1.1092
#1	7246.1	83196.	7026.4
#2	7209.0	83011.	6917.1

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:27:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00996**	**.10781**	**.01149**	**.10490**	**.01004**	**.00099**	**.11588**	**.19506**	**.00494**	**.01018**	**.01065**	**.01457**	**.10146**
Stddev	.00007	.00030	.00040	.00077	.00005	.00004	.00191	.00185	.00004	.00032	.00004	.00004	.00082
%RSD	.71190	.27777	3.4753	.73587	.46385	3.6730	1.6445	.95008	.75633	3.1563	.41486	.28467	.80966
#1	.00991	.10802	.01121	.10435	.01007	.00101	.11723	.19637	.00491	.00996	.01062	.01460	.10088
#2	.01001	.10760	.01177	.10544	.01001	.00096	.11454	.19374	.00496	.01041	.01069	.01454	.10204
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9581**	**.00930**	**.20775**	**.00999**	**.02005**	**1.1022**	**.04308**	**3.0316**	**.00893**	**.00031**	**.01050**	**.01861**	**.49264**
Stddev	.0558	.00060	.00124	.00002	.00010	.0147	.00038	.0001	.00020	.00141	.00118	.00196	.01848
%RSD	1.8869	6.4398	.59778	.21363	.52274	1.3313	.88340	.00482	2.1967	458.69	11.197	10.532	3.7513
#1	2.9187	.00888	.20863	.01001	.02013	1.0919	.04335	3.0315	.00907	-.00069	.00967	.01723	.47957
#2	2.9976	.00972	.20688	.00998	.01998	1.1126	.04281	3.0317	.00879	.00130	.01133	.02000	.50571
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0542**	**.10555**	**.00971**	**.01720**	**.00963**	**.01680**	F **.03450**	**.00940**	**.02395**	**.01279**
Stddev	.0396	.00127	.00018	.00180	.00011	.00002	.03427	.00007	.00058	.00295
%RSD	3.7513	1.2049	1.8317	10.436	1.1211	.09391	99.341	.78341	2.4396	23.047
#1	1.0263	.10465	.00984	.01847	.00971	.01679	.05873	.00935	.02354	.01488
#2	1.0822	.10645	.00958	.01594	.00955	.01681	.01027	.00946	.02437	.01071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7376.4**	**84909.**	**7038.9**
Stddev	15.8	348.	19.9
%RSD	.21449	.40929	.28265
#1	7387.6	85154.	7052.9
#2	7365.2	84663.	7024.8

Sample Name: mb 280-199968/1-a Acquired: 11/14/2013 21:30:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00069**	**.00508**	**-.00144**	**.00153**	**.00010**	**-.00006**	**.00313**	**.02428**	**.00012**	**-.00021**
Stddev	.00001	.00001	.00087	.00012	.00018	.00002	.00160	.00092	.00027	.00002
%RSD	2.0549	.17387	60.800	7.9083	181.34	28.411	50.987	3.8022	235.77	8.4029
#1	-.00068	.00507	-.00082	.00144	-.00003	-.00005	.00200	.02493	-.00008	-.00022
#2	-.00070	.00509	-.00205	.00161	.00023	-.00007	.00426	.02362	.00031	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00009**	**.00004**	**.00628**	**.17636**	**.00139**	**.00683**	**.00012**	**-.00017**	**.18919**	**.00016**
Stddev	.00004	.00047	.00171	.01101	.00060	.00202	.00004	.00004	.00720	.00019
%RSD	45.272	1306.4	27.187	6.2433	42.943	29.524	29.013	26.461	3.8046	117.80
#1	.00012	-.00030	.00749	.18415	.00097	.00540	.00010	-.00020	.19428	.00029
#2	.00006	.00037	.00507	.16857	.00181	.00825	.00015	-.00014	.18410	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00306**	**-.00080**	**.01678**	**.00036**	**-.00138**	**.01438**	**.03077**	**.00272**	**-.00011**	**.00330**
Stddev	.00003	.00086	.00044	.00019	.00190	.01429	.03057	.00037	.00000	.00084
%RSD	1.0966	107.84	2.6051	51.789	138.20	99.351	99.351	13.524	2.2161	25.337
#1	.00308	-.00141	.01647	.00023	-.00003	.00428	.00915	.00298	-.00011	.00271
#2	.00303	-.00019	.01709	.00049	-.00272	.02448	.05239	.00246	-.00011	.00389
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00017**	**-.03389**	**-.00031**	**.00456**	**.00017**
Stddev	.00005	.00089	.05199	.00022	.00013	.00161
%RSD	19.223	536.13	153.43	71.071	2.9177	967.56
#1	.00031	-.00047	.00288	-.00016	.00465	.00131
#2	.00023	.00080	-.07065	-.00047	.00447	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7361.9**	**85156.**	**7100.0**
Stddev	6.2	78.	3.6
%RSD	.08435	.09185	.05076
#1	7357.5	85101.	7102.6
#2	7366.3	85212.	7097.5

Sample Name: lcs 280-199968/2-a Acquired: 11/14/2013 21:32:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04850**	**1.8683**	**.97971**	**.97519**	**1.8985**	**.04494**	**2.0211**	**43.318**	**.09276**	**.46136**
Stddev	.00050	.0025	.00555	.00126	.0044	.00028	.0015	.106	.00017	.00125
%RSD	1.0206	.13354	.56658	.12872	.23206	.62571	.07223	.24509	.17985	.27176
#1	.04885	1.8665	.97579	.97430	1.8954	.04474	2.0221	43.243	.09264	.46047
#2	.04815	1.8701	.98364	.97608	1.9016	.04514	2.0200	43.393	.09288	.46225
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19955**	**.23875**	**.97649**	**45.691**	**.93723**	**46.962**	**.45727**	**.98098**	**48.285**	**.48673**
Stddev	.00062	.00187	.00112	.140	.00284	.104	.00036	.00180	.456	.00011
%RSD	.31140	.78212	.11473	.30550	.30338	.22123	.07823	.18374	.94380	.02324
#1	.19911	.24007	.97728	45.593	.93522	47.036	.45702	.97971	47.963	.48681
#2	.19999	.23743	.97570	45.790	.93924	46.889	.45752	.98226	48.607	.48665
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**9.9151**	**.44156**	**1.9516**	**.48003**	**1.9618**	**1.3150**	**2.8142**	**1.9181**	**.93033**	**.93955**
Stddev	.0092	.00122	.0013	.00072	.0124	.0321	.0687	.0044	.00160	.00126
%RSD	.09275	.27518	.06508	.14970	.63193	2.4413	2.4413	.22731	.17153	.13432
#1	9.9086	.44070	1.9507	.47953	1.9531	1.2923	2.7656	1.9150	.92920	.94045
#2	9.9216	.44242	1.9525	.48054	1.9706	1.3377	2.8628	1.9212	.93146	.93866
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.95538**	**1.8094**	F **3.0842**	**.45454**	**.45876**	**.45448**
Stddev	.00170	.0029	.0531	.00046	.00030	.00288
%RSD	.17751	.15939	1.7224	.10022	.06595	.63310
#1	.95658	1.8115	3.0467	.45486	.45855	.45244
#2	.95418	1.8074	3.1218	.45421	.45897	.45651
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7057.7**	**81172.**	**7017.6**
Stddev	21.4	40.	52.6
%RSD	.30293	.04922	.74887
#1	7072.8	81200.	7054.8
#2	7042.6	81144.	6980.5

Sample Name: 280-48951-b-3-a Acquired: 11/14/2013 21:34:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00094**	**73.776**	**.01717**	**.11113**	**.52312**	**.00354**	**-.04047**	W **622.23**	**.00295**	**.04757**
Stddev	.00020	.130	.00141	.00012	.00054	.00007	.00221	4.99	.00010	.00015
%RSD	21.021	.17572	8.1904	.10632	.10239	1.8376	5.4660	.80132	3.2551	.31466
#1	-.00108	73.684	.01816	.11122	.52274	.00359	-.03891	618.70	.00302	.04747
#2	-.00080	73.868	.01618	.11105	.52350	.00350	-.04204	625.75	.00288	.04768
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit								500.00		
Low Limit								-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14736**	**.10913**	**121.64**	**16.930**	**.18269**	**233.63**	**4.2387**	**.00366**	**67.199**	**.13125**
Stddev	.00051	.00042	.97	.056	.00221	1.69	.0348	.00004	.746	.00020
%RSD	.34677	.38051	.79802	.32791	1.2076	.72514	.82101	1.0526	1.1107	.15241
#1	.14700	.10942	120.95	16.891	.18113	232.43	4.2141	.00364	66.671	.13111
#2	.14772	.10884	122.32	16.970	.18425	234.82	4.2633	.00369	67.727	.13139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9698**	**.04837**	**5.1042**	**.00430**	**.00612**	**3.0599**	**6.5483**	**.00730**	**.70629**	**.03054**
Stddev	.0012	.00091	.0091	.00418	.00209	.0279	.0598	.00078	.00213	.00483
%RSD	.03129	1.8807	.17831	97.131	34.207	.91312	.91312	10.738	.30090	15.804
#1	3.9706	.04773	5.0978	.00135	.00760	3.0797	6.5906	.00674	.70479	.02713
#2	3.9689	.04902	5.1107	.00725	.00464	3.0402	6.5060	.00785	.70779	.03396
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9193**	**-.00057**	F **-.18072**	**.15846**	**.31612**	**.10777**
Stddev	.0004	.00011	.04362	.00014	.00086	.00005
%RSD	.01970	20.113	24.136	.08967	.27138	.04469
#1	1.9191	-.00065	-.14988	.15856	.31551	.10774
#2	1.9196	-.00049	-.21157	.15836	.31672	.10780
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7076.9**	**79596.**	**7328.8**
Stddev	3.3	151.	26.4
%RSD	.04716	.18922	.36059
#1	7074.6	79703.	7310.1
#2	7079.3	79490.	7347.5

Sample Name: 280-48951-b-3-aSD@5 Acquired: 11/14/2013 21:36:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00119**	**15.314**	**.00207**	**.02461**	**.11119**	**.00089**	**-.00561**	**134.63**	**.00097**	**.01044**
Stddev	.00024	.008	.00232	.00064	.00224	.00030	.00142	.22	.00008	.00003
%RSD	20.572	.05402	112.24	2.6004	2.0110	34.020	25.323	.16344	8.3936	.29598
#1	-.00102	15.319	.00043	.02415	.10961	.00068	-.00461	134.47	.00091	.01046
#2	-.00136	15.308	.00371	.02506	.11277	.00110	-.00662	134.78	.00102	.01042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03156**	**.02206**	**26.443**	**3.5876**	**.03878**	**49.238**	**.90669**	**.00043**	**14.468**	**.02893**
Stddev	.00000	.00034	.031	.0818	.00289	.161	.00200	.00008	.141	.00024
%RSD	.01425	1.5575	.11749	2.2813	7.4408	.32776	.22007	17.596	.97521	.82897
#1	.03156	.02182	26.421	3.5297	.03674	49.352	.90810	.00048	14.368	.02876
#2	.03157	.02231	26.465	3.6455	.04082	49.124	.90528	.00038	14.568	.02910
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81005**	**.01118**	**1.0169**	**.00038**	**.00356**	**.70534**	**1.5094**	**.00310**	**.14967**	**.00829**
Stddev	.00072	.00082	.0031	.00127	.00071	.03390	.0725	.00040	.00140	.00421
%RSD	.08869	7.3652	.29993	337.10	19.838	4.8057	4.8057	12.877	.93489	50.742
#1	.81056	.01060	1.0190	-.00052	.00306	.72931	1.5607	.00282	.14868	.01127
#2	.80954	.01176	1.0147	.00127	.00406	.68138	1.4581	.00338	.15066	.00532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39913**	**.00105**	F **-.11062**	**.03257**	**.07340**	**.02281**
Stddev	.00024	.00056	.03495	.00068	.00071	.00178
%RSD	.05938	53.418	31.594	2.1010	.97409	7.8242
#1	.39929	.00144	-.13533	.03209	.07289	.02155
#2	.39896	.00065	-.08590	.03306	.07390	.02407
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7185.4**	**81485.**	**7087.1**
Stddev	14.1	210.	34.9
%RSD	.19686	.25787	.49301
#1	7195.4	81634.	7111.8
#2	7175.4	81337.	7062.4

Sample Name: 280-48951-b-3-b ms Acquired: 11/14/2013 21:39:12 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04807**	**128.51**	**.94864**	**1.1065**	**2.5021**	**.04669**	F **1.8299**	W **714.70**	**.09178**	**.45695**
Stddev	.00033	.50	.00174	.0008	.0034	.00031	.0004	4.84	.00034	.00037
%RSD	.68179	.38786	.18304	.07654	.13736	.67248	.01979	.67719	.37228	.08109
#1	.04784	128.15	.94742	1.1059	2.5046	.04646	1.8296	718.12	.09154	.45669
#2	.04830	128.86	.94987	1.1071	2.4997	.04691	1.8301	711.27	.09202	.45721
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.38525**	**.35669**	**144.56**	**80.789**	**1.1611**	**305.63**	**5.1065**	**.88801**	**119.84**	**.57108**
Stddev	.00012	.00044	.33	.181	.0017	.78	.0231	.00029	.18	.00023
%RSD	.03013	.12314	.22591	.22410	.14307	.25469	.45160	.03265	.14894	.04066
#1	.38533	.35700	144.79	80.661	1.1623	306.18	5.1228	.88822	119.71	.57092
#2	.38517	.35638	144.32	80.917	1.1599	305.08	5.0902	.88781	119.97	.57125
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.753**	**.43597**	**7.1123**	**.27400**	**1.8568**	**6.6487**	**14.228**	**1.6834**	**1.6970**	**.94319**
Stddev	.004	.00220	.0029	.00322	.0038	.0138	.030	.0019	.0003	.00902
%RSD	.02825	.50564	.04071	1.1748	.20230	.20746	.20746	.11289	.01644	.95680
#1	13.755	.43441	7.1144	.27172	1.8595	6.6390	14.207	1.6821	1.6972	.93681
#2	13.750	.43753	7.1103	.27627	1.8542	6.6585	14.249	1.6848	1.6968	.94957
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9575**	**1.4717**	**2.7048**	**.66806**	**.76522**	**.57981**
Stddev	.0067	.0010	.0488	.00160	.00101	.00263
%RSD	.17033	.06630	1.8055	.23876	.13232	.45335
#1	3.9623	1.4723	2.7394	.66693	.76450	.57795
#2	3.9528	1.4710	2.6703	.66919	.76593	.58167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.1**	**78382.**	**7322.4**
Stddev	5.0	67.	26.0
%RSD	.07135	.08551	.35517
#1	6964.6	78335.	7304.0
#2	6957.6	78429.	7340.8

Sample Name: 280-48951-b-3-c msd Acquired: 11/14/2013 21:41:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04906**	**126.34**	**.95197**	**1.1327**	**2.4707**	**.04701**	F **1.8402**	W **649.29**	**.09172**	**.45394**
Stddev	.00034	.03	.00274	.0029	.0036	.00021	.0080	14.37	.00039	.00232
%RSD	.69442	.02700	.28733	.25473	.14417	.43895	.43252	2.2138	.42618	.51168
#1	.04882	126.36	.95004	1.1306	2.4733	.04715	1.8346	639.13	.09144	.45229
#2	.04930	126.31	.95391	1.1347	2.4682	.04686	1.8458	659.45	.09199	.45558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37469**	**.34645**	**134.61**	**81.642**	**1.1505**	**287.98**	**4.6812**	**.88608**	**112.31**	**.56144**
Stddev	.00166	.00082	.11	.078	.0001	2.46	.0332	.00276	.34	.00253
%RSD	.44214	.23760	.07915	.09553	.00485	.85542	.70862	.31141	.30152	.45064
#1	.37352	.34703	134.53	81.697	1.1504	286.24	4.6577	.88413	112.54	.55965
#2	.37586	.34587	134.68	81.587	1.1505	289.73	4.7047	.88803	112.07	.56322
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.309**	**.43128**	**6.6589**	**.26864**	**1.8630**	**5.9193**	**12.667**	**1.6862**	**1.6250**	**.93895**
Stddev	.059	.00434	.0070	.00095	.0014	.0271	.058	.0095	.0018	.00010
%RSD	.44549	1.0058	.10446	.35248	.07437	.45794	.45794	.56069	.11189	.01102
#1	13.267	.42822	6.6540	.26797	1.8621	5.9385	12.708	1.6795	1.6263	.93888
#2	13.350	.43435	6.6638	.26931	1.8640	5.9001	12.626	1.6928	1.6237	.93902
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9807**	**1.4859**	**2.7561**	**.66707**	**.73865**	**.57782**
Stddev	.0045	.0027	.0510	.00114	.00202	.00223
%RSD	.11299	.18452	1.8490	.17055	.27307	.38642
#1	3.9775	1.4839	2.7921	.66626	.73722	.57940
#2	3.9838	1.4878	2.7201	.66787	.74008	.57624
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6955.9**	**77998.**	**7191.2**
Stddev	14.6	146.	80.7
%RSD	.20994	.18773	1.1228
#1	6966.3	78102.	7248.3
#2	6945.6	77895.	7134.1

Sample Name: CCVH-2372891 Acquired: 11/14/2013 21:43:55 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00656**	**48.600**	**-.00080**	**.00549**	**.00058**	**-.00006**	W **1.0533**	**.04101**	**.00079**	**-.00113**	**.00028**	**-.00639**
Stddev	.00002	.044	.00137	.00123	.00002	.00002	.0006	.00437	.00011	.00002	.00004	.00040
%RSD	.36531	.09016	171.67	22.380	4.1993	36.731	.05368	10.659	13.352	1.6553	14.652	6.2205
#1	-.00654	48.569	-.00176	.00636	.00057	-.00008	1.0537	.04410	.00086	-.00111	.00025	-.00668
#2	-.00658	48.631	.00017	.00463	.00060	-.00004	1.0529	.03792	.00072	-.00114	.00031	-.00611
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.244**	**.35851**	**.00066**	**.08903**	**.00042**	**.00088**	**249.11**	**-.00087**	**.00255**	**-.00234**	**5.0631**	**.00247**
Stddev	.149	.02124	.00271	.00408	.00013	.00007	.26	.00026	.00125	.00059	.0112	.00135
%RSD	.29669	5.9250	408.92	4.5771	31.200	8.5377	.10470	30.364	49.153	25.096	.22187	54.579
#1	50.138	.37353	-.00125	.08615	.00033	.00082	249.30	-.00105	.00166	-.00192	5.0552	.00342
#2	50.349	.34349	.00258	.09191	.00051	.00093	248.93	-.00068	.00343	-.00275	5.0711	.00151
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00431**	**.01101**	**.02355**	**.00050**	**.00005**	**5.0441**	**.01259**	**.00327**	F **8.0422**	**.00042**	**.00227**	**-.07037**
Stddev	.00056	.00857	.01834	.00104	.00008	.0205	.00095	.00000	.0882	.00030	.00016	.00145
%RSD	13.034	77.883	77.883	207.43	166.82	.40653	7.5345	.09411	1.0960	70.373	7.2061	2.0630
#1	-.00391	.01707	.03653	-.00023	.00011	5.0296	.01192	.00326	7.9799	.00063	.00215	-.07140
#2	-.00471	.00494	.01058	.00124	-.00001	5.0586	.01326	.00327	8.1045	.00021	.00239	-.06935
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7092.1**	**80085.**	**6870.6**
Stddev	23.6	97.	25.4
%RSD	.33316	.12121	.37012
#1	7075.4	80154.	6888.5
#2	7108.8	80017.	6852.6

Sample Name: CCV-2372889 Acquired: 11/14/2013 21:46:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53081**	**.52417**	**1.0288**	**.52024**	**.49928**	**.47136**	**-.01017**	**4.6647**	**.48596**	**.49722**	**.52248**	**.49993**	**2.5809**
Stddev	.00174	.00113	.0003	.00047	.00041	.00018	.00123	.0341	.00081	.00028	.00069	.00148	.0034
%RSD	.32830	.21521	.03120	.09066	.08144	.03800	12.063	.73084	.16590	.05717	.13205	.29586	.13308
#1	.53204	.52338	1.0290	.52057	.49899	.47149	-.01103	4.6406	.48653	.49701	.52297	.50097	2.5833
#2	.52957	.52497	1.0286	.51990	.49956	.47123	-.00930	4.6888	.48539	.49742	.52200	.49888	2.5784
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.534**	**.97855**	**20.042**	**.48825**	**.51779**	**5.1493**	**.52537**	**1.0308**	**.96748**	**-.00133**	**1.0181**	**1.0473**	**4.9998**
Stddev	.005	.00049	.009	.00070	.00202	.0151	.00106	.0030	.00289	.00140	.0071	.0029	.0084
%RSD	.00980	.04959	.04382	.14339	.39095	.29322	.20104	.28916	.29890	105.48	.69545	.27666	.16848
#1	47.538	.97890	20.036	.48775	.51923	5.1600	.52611	1.0329	.96953	-.00034	1.0231	1.0494	5.0058
#2	47.531	.97821	20.049	.48874	.51636	5.1386	.52462	1.0287	.96544	-.00232	1.0131	1.0453	4.9939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.700**	**1.0228**	**.48826**	**.00238**	**.49817**	**1.0034**	**-.00056**	**.47595**	**.49695**	**.48572**
Stddev	.018	.0007	.00029	.00014	.00052	.0035	.02026	.00094	.00126	.00178
%RSD	.16848	.06459	.05841	6.0101	.10376	.35106	3620.3	.19838	.25368	.36656
#1	10.712	1.0233	.48806	.00228	.49780	1.0059	-.01488	.47662	.49605	.48698
#2	10.687	1.0224	.48846	.00248	.49853	1.0009	.01376	.47528	.49784	.48446
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7186.9**	**81968.**	**6886.3**
Stddev	26.9	290.	19.6
%RSD	.37434	.35340	.28483
#1	7205.9	82173.	6900.2
#2	7167.9	81763.	6872.4

Sample Name: CCB Acquired: 11/14/2013 21:48:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**.00775**	**-.00123**	**.00316**	**.00004**	**.00000**	**.00164**	**.00742**	**.00013**	**-.00001**	**.00018**	**-.00074**
Stddev	.00076	.00807	.00177	.00007	.00011	.0000	.00012	.00159	.00002	.00006	.00019	.00104
%RSD	101.50	104.13	143.67	2.0558	288.63	3178.5	7.1584	21.448	16.768	733.78	106.87	140.95
#1	-.00129	.01346	.00002	.00321	.00012	-.00002	.00172	.00629	.00014	-.00005	.00031	-.00147
#2	-.00021	.00204	-.00248	.00312	-.00004	.00002	.00156	.00854	.00011	.00004	.00004	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00371**	**.18556**	**.00072**	**.01069**	**.00019**	**.00038**	F **.21714**	**-.00004**	**.00139**	**-.00051**	**.00177**	W **.00560**
Stddev	.00306	.00354	.00257	.00180	.00004	.00017	.01553	.00024	.00270	.00067	.00283	.00052
%RSD	82.294	1.9088	358.32	16.823	22.318	45.520	7.1512	610.11	193.48	131.16	160.15	9.3607
#1	.00588	.18807	-.00110	.00942	.00016	.00026	.20616	.00013	.00330	-.00099	.00376	.00597
#2	.00155	.18306	.00253	.01196	.00022	.00051	.22812	-.00021	-.00051	-.00004	-.00023	.00523
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00027**	**-.00018**	**-.00039**	**-.00011**	**-.00021**	**.00264**	**.00016**	**.00069**	F **-.06213**	**-.00019**	**.00283**	**.00049**
Stddev	.00154	.00569	.01218	.00044	.00007	.00261	.00018	.00100	.04393	.00031	.00002	.00080
%RSD	571.48	3103.3	3103.3	418.34	34.213	98.835	115.78	145.03	70.704	161.45	.65548	165.30
#1	-.00136	-.00421	-.00901	.00021	-.00016	.00449	.00003	.00139	-.09319	.00003	.00284	.00105
#2	.00082	.00384	.00822	-.00042	-.00026	.00080	.00029	-.00002	-.03107	-.00042	.00282	-.00008
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7195.1**	**82164.**	**6857.5**
Stddev	25.9	336.	87.1
%RSD	.35972	.40882	1.2700
#1	7176.8	82402.	6919.0
#2	7213.4	81927.	6795.9

Sample Name: CCVL2379751 Acquired: 11/14/2013 21:50:46 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01022**	F **.13699**	**.01367**	**.10597**	**.01093**	**.00109**	**.12022**	F **.41083**	**.00505**	**.01044**	**.01113**	**.01587**	F **.24758**
Stddev	.00023	.00019	.00126	.00047	.00025	.00000	.00062	.00245	.00028	.00015	.00012	.00045	.00776
%RSD	2.2217	.14186	9.2484	.44704	2.2422	.20848	.51320	.59520	5.6136	1.3999	1.0438	2.8393	3.1349
#1	.01038	.13685	.01277	.10563	.01111	.00109	.12066	.40910	.00525	.01054	.01104	.01619	.24209
#2	.01006	.13712	.01456	.10630	.01076	.00109	.11979	.41256	.00485	.01034	.01121	.01555	.25307
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value		.10000						.20000					.10000
Range		30.000%						30.000%					30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0946**	**.01054**	**.22726**	**.01227**	**.02095**	**1.2768**	**.04524**	**3.1392**	**.00801**	**.03676**	**.01108**	**.01493**	**.51272**
Stddev	.0104	.00090	.00020	.00006	.00034	.0094	.00008	.0012	.00020	.00299	.00144	.00104	.00633
%RSD	.33645	8.5069	.09000	.46247	1.6122	.73698	.17147	.03937	2.5228	8.1353	12.960	6.9518	1.2337
#1	3.0872	.00990	.22741	.01231	.02119	1.2702	.04530	3.1383	.00787	.03465	.01210	.01566	.50825
#2	3.1019	.01117	.22712	.01223	.02071	1.2835	.04519	3.1400	.00815	.03888	.01007	.01419	.51719
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0972**	F **.14578**	**.01039**	**.01587**	**.01082**	**.01763**	F **.09376**	**.00986**	F **.05487**	**.01601**
Stddev	.0135	.00028	.00019	.00035	.00041	.00054	.06692	.00027	.00083	.00179
%RSD	1.2337	.18963	1.7910	2.2318	3.8063	3.0550	71.368	2.7686	1.5204	11.205
#1	1.0876	.14597	.01025	.01612	.01112	.01801	.04644	.01005	.05546	.01474
#2	1.1068	.14558	.01052	.01562	.01053	.01725	.14108	.00967	.05428	.01728
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value		.10000					.06000		.02000	
Range		30.000%					30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7375.2**	**84826.**	**6976.6**
Stddev	7.7	522.	70.4
%RSD	.10481	.61522	1.0090
#1	7369.8	84457.	7026.3
#2	7380.7	85195.	6926.8

Sample Name: 280-48860-a-1-a Acquired: 11/14/2013 21:53:07 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**90.963**	**.07119**	**.07286**	**.98032**	**.00251**	**-.04470**	**66.845**	**.00131**	**.04173**
Stddev	.00010	.049	.00157	.00068	.00268	.00005	.00157	.089	.00005	.00001
%RSD	8.2624	.05355	2.2017	.93334	.27287	1.7924	3.5187	.13296	4.1076	.01232
#1	-.00111	90.997	.07008	.07238	.98221	.00248	-.04359	66.908	.00127	.04172
#2	-.00125	90.928	.07230	.07334	.97843	.00255	-.04581	66.782	.00134	.04173
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29894**	**.07094**	**95.619**	**13.503**	**.03792**	**53.219**	**1.7146**	**.00144**	**6.4149**	**.42593**
Stddev	.00005	.00108	.150	.044	.00132	.091	.0021	.00004	.0159	.00098
%RSD	.01511	1.5221	.15640	.32670	3.4929	.17102	.12358	3.0185	.24826	.23116
#1	.29897	.07170	95.725	13.534	.03886	53.155	1.7131	.00141	6.4262	.42523
#2	.29891	.07017	95.514	13.471	.03698	53.283	1.7161	.00147	6.4037	.42662
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6649**	**.08317**	**.57850**	**-.00141**	**.00419**	**2.1198**	**4.5364**	**.00708**	**.50769**	**.02404**
Stddev	.0042	.00205	.00536	.00043	.00171	.0041	.0089	.00014	.00163	.00063
%RSD	.11356	2.4627	.92717	30.308	40.786	.19505	.19505	1.9872	.32112	2.6249
#1	3.6620	.08172	.57470	-.00111	.00539	2.1227	4.5426	.00718	.50884	.02449
#2	3.6679	.08462	.58229	-.00171	.00298	2.1169	4.5301	.00698	.50654	.02359
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8334**	**-.00212**	F **-.18762**	**.25778**	**.18743**	**.01861**
Stddev	.0028	.00100	.04138	.00079	.00121	.00024
%RSD	.15341	47.046	22.055	.30776	.64683	1.2821
#1	1.8315	-.00141	-.21687	.25722	.18657	.01844
#2	1.8354	-.00282	-.15836	.25834	.18829	.01878
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7506.0**	**83907.**	**7391.6**
Stddev	2.9	451.	26.5
%RSD	.03815	.53806	.35859
#1	7508.1	84227.	7410.3
#2	7504.0	83588.	7372.8

Sample Name: 280-48860-a-2-a Acquired: 11/14/2013 21:55:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**162.42**	**.16699**	**.11282**	**1.4561**	**.00266**	F **-.29968**	W **708.56**	**.00353**	**.18021**
Stddev	.00043	.58	.00213	.00115	.0040	.00004	.00153	8.56	.00021	.00045
%RSD	26.698	.35769	1.2763	1.0201	.27397	1.6539	.51035	1.2076	5.8249	.24709
#1	-.00193	162.00	.16548	.11364	1.4533	.00269	-.29860	714.61	.00338	.17990
#2	-.00132	162.83	.16850	.11201	1.4589	.00262	-.30076	702.51	.00367	.18053
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Warn	Chk Pass	Chk Pass
High Limit							.10000	500.00		
Low Limit							-.10000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.6167**	**.27802**	**289.27**	**12.731**	**.18947**	**204.01**	**5.1474**	**.00640**	**1.9461**	**1.9512**
Stddev	.0036	.00089	1.13	.068	.00329	.33	.0288	.00005	.0066	.0004
%RSD	.22093	.31908	.38976	.53187	1.7357	.16231	.55917	.81159	.33904	.01789
#1	1.6192	.27740	288.47	12.683	.18715	204.24	5.1677	.00643	1.9508	1.9515
#2	1.6142	.27865	290.06	12.778	.19180	203.78	5.1270	.00636	1.9414	1.9510
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **4.5098**	**.08667**	**3.8007**	**.00944**	**.01031**	**1.5723**	**3.3646**	**.02739**	**.93565**	**.00364**
Stddev	.0012	.00010	.0092	.00087	.00515	.0179	.0383	.00006	.00240	.00297
%RSD	.02582	.11274	.24224	9.1706	49.945	1.1372	1.1372	.23502	.25603	81.657
#1	4.5089	.08660	3.8073	.01005	.00667	1.5849	3.3917	.02743	.93396	.00574
#2	4.5106	.08674	3.7942	.00883	.01395	1.5596	3.3376	.02734	.93735	.00154
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **14.580**	W **-.01077**	F **-.10620**	**.67312**	**.77717**	**.12582**
Stddev	.034	.00220	.05676	.00185	.00945	.00063
%RSD	.23358	20.432	53.442	.27500	1.2163	.49828
#1	14.604	-.00921	-.06607	.67443	.78386	.12626
#2	14.556	-.01232	-.14634	.67182	.77049	.12537
Check ?	Chk Warn	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	10.000	5.0000	50.000			
Low Limit	-.01000	-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7034.6**	**79445.**	**7313.1**
Stddev	12.2	602.	24.2
%RSD	.17299	.75822	.33070
#1	7043.2	79020.	7330.2
#2	7026.0	79871.	7296.0

Sample Name: 280-48860-a-3-a Acquired: 11/14/2013 21:58:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00029**	**68.508**	**.04446**	**.04947**	**.48290**	**.00123**	F **-.10123**	**35.708**	**.00174**	**.05199**
Stddev	.00003	.001	.00021	.00035	.00010	.00007	.00144	.052	.00007	.00009
%RSD	10.256	.00215	.47450	.70371	.02141	6.0614	1.4222	.14679	4.2146	.17752
#1	-.00031	68.507	.04461	.04971	.48297	.00128	-.10022	35.671	.00169	.05193
#2	-.00027	68.509	.04431	.04922	.48283	.00117	-.10225	35.745	.00179	.05206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52968**	**.19727**	**94.204**	**13.148**	**.04767**	**44.446**	**1.3035**	**.01134**	**6.2183**	**.44166**
Stddev	.00118	.00090	.756	.008	.00113	.134	.0028	.00003	.0096	.00055
%RSD	.22253	.45613	.80249	.05708	2.3627	.30080	.21757	.24719	.15505	.12517
#1	.52885	.19663	94.739	13.143	.04847	44.540	1.3055	.01136	6.2115	.44127
#2	.53052	.19790	93.670	13.153	.04688	44.351	1.3015	.01132	6.2251	.44206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6405**	**.24395**	**30.972**	**-.00511**	**.00569**	**.98614**	**2.1103**	**.00995**	**.24020**	**.00891**
Stddev	.0022	.00102	.054	.00124	.00316	.01336	.0286	.00007	.00019	.00043
%RSD	.06156	.41748	.17594	24.317	55.487	1.3547	1.3547	.74722	.08118	4.8045
#1	3.6389	.24323	30.934	-.00423	.00793	.99559	2.1306	.01000	.24006	.00921
#2	3.6420	.24467	31.011	-.00599	.00346	.97670	2.0901	.00990	.24034	.00861
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4700**	**-.00340**	**-.04532**	**.33691**	**.60857**	**.02038**
Stddev	.0065	.00013	.01021	.00056	.00442	.00019
%RSD	.14500	3.8362	22.525	.16721	.72550	.92492
#1	4.4746	-.00331	-.05254	.33731	.61169	.02051
#2	4.4655	-.00350	-.03810	.33651	.60544	.02025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7303.6**	**82604.**	**7025.9**
Stddev	8.0	25.	.4
%RSD	.10999	.03021	.00575
#1	7297.9	82622.	7025.6
#2	7309.2	82587.	7026.2

Sample Name: 280-48860-a-4-a Acquired: 11/14/2013 22:00:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**.79647**	**.01245**	**.01886**	**.08951**	**.00001**	**.00324**	**26.323**	**.00108**	**.00347**
Stddev	.00001	.00515	.00333	.00040	.00002	.00001	.00021	.036	.00010	.00008
%RSD	8.0401	.64672	26.789	2.1463	.01894	272.80	6.4962	.13837	9.5183	2.3813
#1	.00010	.79283	.01481	.01915	.08952	.00000	.00339	26.349	.00101	.00341
#2	.00012	.80012	.01009	.01858	.08950	.00002	.00309	26.297	.00116	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02158**	**.01728**	**1.7413**	**1.2189**	**.00328**	**2.0238**	**.07953**	**.00165**	**.70955**	**.04580**
Stddev	.00000	.00044	.0177	.0191	.00112	.0020	.00016	.00019	.00024	.00033
%RSD	.02177	2.5198	1.0176	1.5656	34.139	.09690	.20274	11.566	.03431	.71760
#1	.02158	.01759	1.7288	1.2324	.00408	2.0224	.07942	.00178	.70972	.04604
#2	.02158	.01697	1.7539	1.2054	.00249	2.0251	.07964	.00152	.70938	.04557
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.81840**	**.26944**	**3.9449**	**.00307**	**.01418**	**.53239**	**1.1393**	**.00712**	**.09032**	**.00351**
Stddev	.00703	.00206	.0057	.00017	.00013	.00828	.0177	.00018	.00051	.00116
%RSD	.85867	.76380	.14492	5.6519	.91156	1.5554	1.5554	2.5127	.56675	32.943
#1	.82337	.27090	3.9490	.00295	.01428	.53824	1.1518	.00699	.08995	.00433
#2	.81343	.26799	3.9409	.00319	.01409	.52653	1.1268	.00724	.09068	.00269
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03837**	**-.00101**	**-.02989**	**.01761**	**6.3888**	**.00057**
Stddev	.00034	.00020	.04108	.00043	.0085	.00035
%RSD	.88213	19.303	137.42	2.4526	.13332	60.522
#1	.03861	-.00115	-.05893	.01792	6.3828	.00033
#2	.03813	-.00087	-.00084	.01731	6.3948	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7325.9**	**85032.**	**7223.4**
Stddev	23.4	122.	39.8
%RSD	.31901	.14334	.55029
#1	7342.5	85119.	7251.5
#2	7309.4	84946.	7195.3

Sample Name: 280-48860-a-5-a Acquired: 11/14/2013 22:02:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 199968 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**68.246**	**.04980**	**.04849**	**.48365**	**.00124**	F **-.10097**	**35.638**	**.00172**	**.05159**
Stddev	.00001	.013	.00127	.00042	.00216	.00015	.00119	.018	.00021	.00035
%RSD	19.083	.01885	2.5504	.87222	.44677	11.914	1.1763	.04947	12.134	.67214
#1	-.00007	68.255	.05070	.04819	.48212	.00114	-.10181	35.651	.00157	.05135
#2	-.00005	68.237	.04890	.04879	.48518	.00134	-.10013	35.626	.00187	.05184
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52932**	**.19734**	**94.921**	**13.167**	**.04654**	**44.384**	**1.3023**	**.01107**	**6.2281**	**.44147**
Stddev	.00042	.00126	.263	.035	.00039	.115	.0005	.00019	.0031	.00011
%RSD	.07888	.63844	.27737	.26817	.83005	.26012	.04164	1.6780	.04952	.02544
#1	.52961	.19645	94.734	13.142	.04627	44.303	1.3019	.01120	6.2259	.44139
#2	.52902	.19823	95.107	13.192	.04682	44.466	1.3026	.01094	6.2303	.44155
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.6393**	**.24492**	**31.012**	**-.00591**	**.00612**	**.99592**	**2.1313**	**.00966**	**.24101**	**.00896**
Stddev	.0022	.00083	.003	.00096	.00144	.01442	.0309	.00060	.00073	.00058
%RSD	.06095	.34071	.01094	16.203	23.537	1.4480	1.4480	6.2437	.30130	6.5199
#1	3.6377	.24551	31.014	-.00523	.00714	.98573	2.1095	.00924	.24050	.00937
#2	3.6408	.24433	31.009	-.00658	.00510	1.0061	2.1531	.01009	.24153	.00855
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.4644**	**-.00366**	W **-.09064**	**.33743**	**.60635**	**.01760**
Stddev	.0013	.00016	.01785	.00027	.00054	.00086
%RSD	.02914	4.4533	19.691	.07970	.08856	4.8768
#1	4.4653	-.00354	-.07802	.33762	.60673	.01820
#2	4.4634	-.00377	-.10327	.33724	.60597	.01699
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7319.9**	**82865.**	**7147.6**
Stddev	5.1	199.	5.6
%RSD	.06927	.24026	.07849
#1	7323.5	82724.	7143.6
#2	7316.3	83006.	7151.5

Sample Name: 280-48003-c-13-a Acquired: 11/14/2013 22:04:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196538 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00058**	**.02051**	**-.00290**	**.05464**	**.02818**	**-.00002**	**.00378**	**129.68**	**.00029**	**-.00009**
Stddev	.00043	.00443	.00448	.00025	.00011	.00002	.00073	.42	.00009	.00026
%RSD	74.156	21.612	154.35	.44939	.38415	92.667	19.184	.32208	29.830	286.48
#1	-.00089	.02365	-.00607	.05447	.02810	-.00001	.00327	129.39	.00035	.00009
#2	-.00028	.01738	.00027	.05481	.02825	-.00004	.00430	129.98	.00023	-.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00029**	**.57505**	**6.4275**	**.00577**	**7.8082**	**.00864**	**.00066**	**55.957**	**.00046**
Stddev	.00005	.00019	.00006	.0109	.00098	.0088	.00005	.00020	.311	.00019
%RSD	6.1379	64.883	.01093	.16953	17.035	.11291	.60124	30.624	.55651	42.387
#1	.00083	.00016	.57501	6.4198	.00647	7.8019	.00860	.00052	55.737	.00032
#2	.00076	.00042	.57509	6.4352	.00508	7.8144	.00867	.00080	56.177	.00059
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03745**	**-.00050**	**1.8998**	**-.00023**	**.00105**	**4.7242**	**10.110**	**-.00018**	**1.1391**	**.00211**
Stddev	.00213	.00126	.0103	.00067	.00074	.0189	.041	.00027	.0036	.00128
%RSD	5.6775	249.82	.53958	290.17	70.581	.40096	.40096	152.12	.31308	60.815
#1	.03594	-.00139	1.8926	.00024	.00053	4.7376	10.138	-.00036	1.1366	.00302
#2	.03895	.00039	1.9071	-.00071	.00158	4.7108	10.081	.00001	1.1416	.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00113**	**.00137**	**-.04077**	**.00170**	**.01048**	**.00083**
Stddev	.00002	.00038	.03511	.00044	.00022	.00007
%RSD	1.6019	27.792	86.139	25.670	2.0794	8.8442
#1	.00112	.00163	-.06560	.00139	.01032	.00088
#2	.00115	.00110	-.01594	.00201	.01063	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.3**	**81069.**	**6982.5**
Stddev	33.0	37.	41.5
%RSD	.46806	.04562	.59455
#1	7076.6	81095.	7011.9
#2	7029.9	81042.	6953.2

Sample Name: 280-48003-c-16-a Acquired: 11/14/2013 22:07:14 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196538 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.02818**	**-.00310**	**.06676**	**.04450**	**-.00007**	**.00266**	**166.30**	**.00018**	**-.00040**
Stddev	.00022	.00113	.00071	.00028	.00025	.00006	.00053	.80	.00004	.00009
%RSD	23.402	4.0262	22.911	.41546	.55110	82.358	20.041	.47820	23.435	21.673
#1	-.00109	.02738	-.00259	.06657	.04468	-.00011	.00304	166.87	.00015	-.00034
#2	-.00078	.02898	-.00360	.06696	.04433	-.00003	.00229	165.74	.00021	-.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00058**	**-.00018**	**1.4134**	**19.308**	**.00602**	**8.1700**	**.01999**	**.00132**	**144.11**	**.00047**
Stddev	.00004	.00000	.0200	.043	.00135	.0114	.00008	.00037	.31	.00005
%RSD	6.3762	1.4887	1.4165	.22447	22.453	.13972	.38767	27.918	.21364	11.447
#1	.00061	-.00018	1.4275	19.338	.00697	8.1619	.01994	.00106	144.33	.00043
#2	.00056	-.00019	1.3992	19.277	.00506	8.1780	.02005	.00158	143.90	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03019**	**-.00116**	**2.3271**	**-.00013**	**.00032**	**4.2619**	**9.1206**	**-.00147**	**1.4556**	**.00186**
Stddev	.00045	.00153	.0102	.00010	.00050	.0901	.1929	.00043	.0044	.00132
%RSD	1.4852	131.76	.44022	81.891	152.64	2.1153	2.1153	29.428	.30267	70.665
#1	.02988	-.00008	2.3199	-.00005	-.00003	4.3257	9.2570	-.00178	1.4587	.00093
#2	.03051	-.00225	2.3344	-.00020	.00067	4.1982	8.9841	-.00117	1.4524	.00279
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00019**	**.00098**	W **-.06326**	**.00078**	**.01041**	**.00055**
Stddev	.00045	.00043	.04049	.00031	.00012	.00143
%RSD	243.81	43.914	64.014	39.524	1.1685	258.09
#1	-.00013	.00129	-.03462	.00056	.01049	-.00046
#2	.00051	.00068	-.09189	.00099	.01032	.00157
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.7**	**78446.**	**6864.4**
Stddev	2.0	675.	45.2
%RSD	.02943	.86009	.65776
#1	6826.1	78923.	6832.5
#2	6823.3	77969.	6896.3

Sample Name: 280-48003-c-24-c Acquired: 11/14/2013 22:09:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 196547 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00063**	**.67550**	**.00219**	**.05190**	**.02739**	**-.00001**	**.00342**	**215.63**	**.00016**	**.00019**
Stddev	.00017	.00995	.00157	.00026	.00012	.00010	.00016	1.21	.00013	.00024
%RSD	27.312	1.4727	71.688	.50822	.44632	1050.2	4.7957	.55920	82.461	125.93
#1	-.00051	.66846	.00108	.05172	.02747	.00006	.00330	216.48	.00025	.00002
#2	-.00075	.68253	.00330	.05209	.02730	-.00008	.00354	214.77	.00007	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**.00042**	**2.0841**	**2.4877**	**.00553**	**4.2667**	**.01531**	**.00276**	**9.3727**	W **10.294**
Stddev	.00007	.00009	.0128	.0290	.00081	.0169	.00009	.00006	.0047	.140
%RSD	1.5437	21.610	.61552	1.1647	14.679	.39550	.55628	2.2794	.04970	1.3601
#1	.00476	.00036	2.0751	2.5082	.00495	4.2787	.01537	.00272	9.3694	10.195
#2	.00486	.00049	2.0932	2.4672	.00610	4.2548	.01525	.00281	9.3760	10.393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00187**	**.11245**	**-.00017**	**8.4234**	**.00072**	**-.00040**	**5.9613**	**12.757**	**.00003**	**2.4816**
Stddev	.00028	.00155	.00088	.0050	.00095	.00191	.0030	.006	.00080	.0005
%RSD	15.173	1.3823	509.82	.05971	131.44	479.86	.05024	.05024	2938.4	.01928
#1	.00167	.11135	.00045	8.4270	.00005	-.00175	5.9634	12.762	.00059	2.4819
#2	.00207	.11355	-.00080	8.4199	.00139	.00095	5.9592	12.753	-.00054	2.4812
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00206**	**.00224**	**.00219**	**.00051**	**.00311**	**.00711**	**-.00031**
Stddev	.00030	.00034	.00002	.04040	.00005	.00029	.00095
%RSD	14.689	15.092	.70929	7849.3	1.5918	4.1192	306.79
#1	.00227	.00248	.00218	.02908	.00308	.00690	-.00098
#2	.00185	.00200	.00220	-.02806	.00315	.00732	.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							
Low Limit							

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6890.4**	**79521.**	**6852.1**
Stddev	14.3	555.	47.3
%RSD	.20709	.69846	.69089
#1	6900.5	79128.	6818.6
#2	6880.3	79914.	6885.6

Sample Name: CCVH-2372891 Acquired: 11/14/2013 22:12:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00632**	**48.850**	**.00050**	**-.00023**	**.00056**	**-.00005**	**1.0425**	**.02753**	**.00085**	**-.00096**	**.00036**	**-.00642**	**50.230**
Stddev	.00001	.023	.00057	.00009	.00003	.00003	.0045	.00234	.00007	.00008	.00009	.00019	.498
%RSD	.18472	.04750	113.44	37.723	4.4897	63.177	.43554	8.4931	7.6732	8.0078	24.113	2.9161	.99177
#1	-.00631	48.834	.00090	-.00017	.00058	-.00003	1.0392	.02918	.00080	-.00101	.00042	-.00655	50.582
#2	-.00633	48.867	.00010	-.00029	.00055	-.00007	1.0457	.02588	.00089	-.00091	.00030	-.00628	49.878
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13188**	**.00255**	**.06239**	**-.00007**	**.00041**	**249.15**	**-.00072**	**.00377**	**-.00238**	**5.0128**	**-.00022**	**-.00612**	**.00785**
Stddev	.00267	.00066	.00420	.00004	.00021	.91	.00002	.00155	.00008	.0208	.00049	.00038	.00313
%RSD	2.0278	26.041	6.7340	61.595	50.929	.36468	3.1632	41.038	3.2973	.41555	219.57	6.1671	39.875
#1	.13378	.00302	.06536	-.00010	.00056	248.51	-.00073	.00487	-.00233	4.9981	-.00056	-.00585	.01007
#2	.12999	.00208	.05942	-.00004	.00026	249.79	-.00070	.00268	-.00244	5.0275	.00012	-.00639	.00564
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01681**	**-.00074**	**.00012**	**5.0425**	**.01161**	**.00317**	F **8.0773**	**.00076**	**.00228**	**-.06998**
Stddev	.00670	.00025	.00003	.0137	.00062	.00049	.1036	.00030	.00040	.00287
%RSD	39.875	34.220	23.906	.27199	5.3776	15.578	1.2826	39.546	17.665	4.0990
#1	.02155	-.00056	.00014	5.0522	.01205	.00352	8.1505	.00097	.00256	-.07200
#2	.01207	-.00092	.00010	5.0328	.01117	.00282	8.0040	.00055	.00199	-.06795
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6998.7**	**78095.**	**6679.4**
Stddev	15.3	268.	34.9
%RSD	.21870	.34377	.52311
#1	7009.5	77905.	6704.2
#2	6987.9	78285.	6654.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 22:14:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.52723**	**.52899**	**1.0230**	**.51621**	**.49976**	**.47336**	**-.00961**	**4.7290**	**.48481**	**.49804**	**.52215**	**.49708**	**2.5763**
Stddev	.00157	.00082	.0026	.00425	.00078	.00101	.00138	.0029	.00016	.00032	.00025	.00257	.0014
%RSD	.29740	.15420	.25604	.82308	.15583	.21388	14.370	.06042	.03283	.06475	.04874	.51708	.05540
#1	.52833	.52957	1.0212	.51321	.49921	.47265	-.01058	4.7270	.48492	.49781	.52197	.49526	2.5773
#2	.52612	.52841	1.0249	.51922	.50031	.47408	-.00863	4.7310	.48470	.49827	.52233	.49890	2.5753
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.894**	**.98123**	**20.085**	**.49045**	**.51758**	**5.0952**	**.52534**	**1.0272**	**.96958**	**.00290**	**1.0139**	**1.0365**	**5.0711**
Stddev	.007	.00321	.047	.00069	.00047	.0126	.00030	.0014	.00379	.00094	.0020	.0017	.0147
%RSD	.01373	.32680	.23173	.14106	.09050	.24708	.05757	.14011	.39051	32.234	.19617	.15943	.28969
#1	47.890	.97896	20.118	.49094	.51725	5.1041	.52555	1.0261	.96690	.00356	1.0125	1.0353	5.0607
#2	47.899	.98350	20.052	.48996	.51791	5.0863	.52512	1.0282	.97225	.00224	1.0153	1.0377	5.0815
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.852**	**1.0254**	**.49023**	**.00419**	**.49952**	**1.0001**	**-.04292**	**.47962**	**.50296**	**.48836**
Stddev	.031	.0007	.00021	.00039	.00008	.0001	.00813	.00118	.00312	.00117
%RSD	.28969	.06626	.04266	9.3924	.01672	.00682	18.946	.24571	.61962	.23938
#1	10.830	1.0259	.49038	.00447	.49946	1.0002	-.04867	.48045	.50517	.48753
#2	10.874	1.0249	.49008	.00392	.49957	1.0001	-.03717	.47879	.50076	.48918
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7133.1**	**80574.**	**6711.0**
Stddev	.5	301.	15.0
%RSD	.00680	.37324	.22407
#1	7132.8	80361.	6700.4
#2	7133.5	80786.	6721.6

Sample Name: CCB Acquired: 11/14/2013 22:16:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00055**	**.00398**	**-.00032**	**.00057**	**.00020**	**.00012**	**.00399**	**.00619**	**-.00010**	**.00007**	**.00018**	**-.00045**
Stddev	.00042	.00363	.00022	.00000	.00004	.00002	.00110	.00209	.00007	.00002	.00003	.00003
%RSD	76.869	91.207	68.135	.52924	20.729	15.206	27.603	33.830	63.092	34.973	19.688	6.7356
#1	-.00025	.00655	-.00017	.00057	.00023	.00014	.00321	.00471	-.00006	.00009	.00020	-.00047
#2	-.00085	.00141	-.00048	.00057	.00017	.00011	.00477	.00767	-.00015	.00005	.00015	-.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00500**	**.15285**	**.00169**	**.00500**	**.00016**	**.00033**	W **.17179**	**.00000**	**.00030**	**.00095**	**.00955**	F **.00636**
Stddev	.00299	.01184	.00147	.00140	.00003	.00008	.01514	.00019	.00091	.00038	.00176	.00046
%RSD	59.921	7.7478	86.794	28.076	16.580	23.532	8.8101	4459.7	303.63	40.358	18.463	7.1592
#1	.00288	.16123	.00273	.00401	.00014	.00028	.18250	.00014	-.00034	.00068	.01080	.00604
#2	.00711	.14448	.00065	.00599	.00018	.00039	.16109	-.00013	.00094	.00122	.00830	.00668
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit							.09160					.00628
Low Limit							-.09160					-.00628

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00112**	**.01162**	**.02486**	**-.00017**	**-.00002**	**.00201**	**.00030**	**.00018**	**-.01419**	**-.00001**	**.00256**	**.00002**
Stddev	.00254	.00668	.01430	.00029	.00013	.00078	.00008	.00086	.00768	.00030	.00008	.00022
%RSD	226.95	57.528	57.528	172.71	606.21	38.672	27.660	479.09	54.127	2254.3	3.1688	942.52
#1	-.00292	.01634	.03497	-.00037	-.00011	.00255	.00025	.00079	-.01962	.00020	.00250	-.00013
#2	.00068	.00689	.01475	.00004	.00007	.00146	.00036	-.00043	-.00876	-.00022	.00262	.00018
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7114.5**	**81430.**	**6675.8**
Stddev	6.7	236.	25.5
%RSD	.09375	.28945	.38237
#1	7119.2	81264.	6657.7
#2	7109.8	81597.	6693.8

Sample Name: CCVL2379751 Acquired: 11/14/2013 22:18:51 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00970**	**.10814**	**.01493**	**.10213**	**.01025**	**.00088**	**.11573**	**.20090**	**.00464**	**.01015**	**.01056**	**.01439**	**.10689**	**2.9373**
Stddev	.00045	.00048	.00059	.00004	.00006	.00005	.00085	.00095	.00004	.00010	.00002	.00000	.00002	.0088
%RSD	4.6846	.44163	3.9315	.04256	.60235	5.8786	.73085	.47343	.94242	1.0321	.14714	.02497	.02171	.30012
#1	.00937	.10848	.01451	.10216	.01020	.00085	.11633	.20157	.00461	.01007	.01057	.01439	.10690	2.9436
#2	.01002	.10780	.01534	.10210	.01029	.00092	.11513	.20022	.00467	.01022	.01055	.01439	.10687	2.9311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01019**	**.20933**	**.00992**	**.02009**	**1.1144**	**.04285**	**3.0001**	**.00849**	**.00379**	**.01155**	**.01199**	**.49285**	**1.0547**	**.10466**
Stddev	.00010	.00017	.00005	.00021	.0118	.00003	.0037	.00113	.00192	.00005	.00093	.00478	.0102	.00067
%RSD	.95940	.07906	.50174	1.0375	1.0568	.07005	.12263	13.355	50.777	.43202	7.7736	.96976	.96976	.63687
#1	.01026	.20921	.00988	.01994	1.1061	.04287	3.0027	.00769	.00515	.01158	.01265	.49623	1.0619	.10513
#2	.01012	.20944	.00995	.02024	1.1228	.04282	2.9975	.00929	.00243	.01151	.01133	.48947	1.0475	.10419
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00969**	**.01603**	**.00975**	**.01585**	**.07492**	**.00964**	**.02436**	**.01298**
Stddev	.00004	.00010	.00019	.00007	.02404	.00048	.00063	.00020
%RSD	.42757	.60235	1.9292	.46880	32.091	4.9982	2.5933	1.5558
#1	.00966	.01596	.00988	.01580	.09192	.00930	.02391	.01284
#2	.00972	.01610	.00961	.01590	.05792	.00998	.02480	.01313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7265.6**	**82913.**	**6797.4**
Stddev	13.0	757.	10.3
%RSD	.17947	.91241	.15190
#1	7274.8	83448.	6790.1
#2	7256.3	82378.	6804.7

Sample Name: mb 280-200656/1-a Acquired: 11/14/2013 22:21:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00068**	**.00136**	**-.00114**	**-.00030**	**.00059**	**-.00003**	**.00319**	**.00553**	**-.00001**	**-.00007**
Stddev	.00032	.00016	.00327	.00060	.00031	.00002	.00115	.00475	.00018	.00010
%RSD	47.107	11.706	285.98	199.37	52.506	85.401	36.172	85.772	1465.2	139.54
#1	-.00091	.00125	.00117	.00012	.00037	-.00005	.00237	.00889	.00012	-.00014
#2	-.00045	.00148	-.00345	-.00072	.00081	-.00001	.00400	.00218	-.00014	.00000
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00077**	**.00622**	**.10312**	**.00134**	**.00161**	**.00018**	**-.00021**	W **.12276**	**-.00007**
Stddev	.00011	.00044	.00153	.02838	.00021	.00170	.00003	.00004	.00409	.00012
%RSD	273.39	56.896	24.632	27.519	15.532	105.48	15.244	21.394	3.3338	169.05
#1	.00011	-.00046	.00514	.08306	.00149	.00041	.00016	-.00018	.11987	-.00015
#2	-.00004	-.00108	.00730	.12319	.00119	.00281	.00020	-.00024	.12566	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00087**	**.00041**	W **.00932**	**.00139**	**-.00074**	F **.02375**	**.05083**	**-.00068**	**-.00014**	W **.00290**
Stddev	.00084	.00053	.00012	.00075	.00077	.01387	.02968	.00022	.00008	.00054
%RSD	96.577	129.23	1.2624	53.706	103.82	58.402	58.402	32.129	57.847	18.633
#1	.00146	.00004	.00940	.00086	-.00020	.03356	.07182	-.00053	-.00008	.00252
#2	.00028	.00079	.00924	.00191	-.00129	.01394	.02984	-.00083	-.00019	.00329
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.00500			.01000				.00000
Low Limit			-.00500			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00019**	**.00002**	**-.04784**	**-.00002**	**.00287**	**-.00045**
Stddev	.00027	.00074	.00785	.00032	.00015	.00039
%RSD	145.19	3889.7	16.417	1761.6	5.3768	87.802
#1	-.00038	.00054	-.05339	-.00024	.00276	-.00017
#2	.00000	-.00050	-.04228	.00021	.00298	-.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7199.0**	**81818.**	**6796.7**
Stddev	3.8	61.	28.7
%RSD	.05293	.07440	.42179
#1	7201.7	81861.	6776.4
#2	7196.3	81775.	6816.9

Sample Name: lcs 280-200656/2-a Acquired: 11/14/2013 22:23:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05056**	**2.0017**	**1.0294**	**1.0485**	**2.0305**	**.04827**	**2.1237**	**46.479**	**.09805**	**.49146**
Stddev	.00016	.0010	.0012	.0004	.0033	.00007	.0031	.072	.00016	.00059
%RSD	.31591	.04993	.11140	.03741	.16346	.14479	.14692	.15531	.16144	.11976
#1	.05045	2.0024	1.0302	1.0488	2.0328	.04822	2.1215	46.530	.09816	.49188
#2	.05067	2.0009	1.0286	1.0482	2.0282	.04832	2.1259	46.428	.09794	.49105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21212**	**.25075**	**1.0301**	**49.168**	**1.0033**	**50.568**	**.48880**	**1.0501**	**51.267**	**.51770**
Stddev	.00016	.00089	.0024	.010	.0010	.040	.00080	.0004	.052	.00159
%RSD	.07320	.35479	.23155	.02037	.09614	.07854	.16425	.03606	.10137	.30776
#1	.21201	.25012	1.0284	49.175	1.0026	50.540	.48823	1.0499	51.304	.51657
#2	.21223	.25138	1.0318	49.161	1.0040	50.596	.48937	1.0504	51.230	.51882
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.499**	**.47020**	**-.00146**	**.50747**	**2.0811**	**10.320**	**22.085**	**2.0476**	**.99443**	**1.0081**
Stddev	.000	.00008	.00026	.00413	.0017	.095	.204	.0032	.00080	.0036
%RSD	.00284	.01739	17.651	.81477	.08318	.92392	.92392	.15548	.08032	.35696
#1	10.499	.47014	-.00164	.50455	2.0824	10.388	22.230	2.0454	.99500	1.0106
#2	10.498	.47026	-.00128	.51040	2.0799	10.253	21.941	2.0499	.99387	1.0055
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0239**	**1.9215**	F **3.2792**	**.48976**	**.49844**	**.48929**
Stddev	.0017	.0006	.0531	.00134	.00319	.00828
%RSD	.16257	.03109	1.6180	.27280	.64004	1.6921
#1	1.0227	1.9211	3.2417	.48882	.49618	.49514
#2	1.0251	1.9219	3.3167	.49071	.50069	.48343
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6920.1**	**78769.**	**6750.5**
Stddev	11.6	402.	32.0
%RSD	.16789	.51002	.47396
#1	6928.3	79053.	6773.1
#2	6911.9	78485.	6727.9

Sample Name: 280-49106-c-1-a Acquired: 11/14/2013 22:25:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00079**	**.14783**	**-.00219**	**.04556**	**1.1107**	**.00005**	**-.00153**	**5.0286**	**-.00020**	**-.00032**
Stddev	.00023	.00070	.00273	.00029	.0043	.00005	.00138	.0323	.00019	.00027
%RSD	29.162	.47633	124.73	.62740	.38534	94.684	90.202	.64239	96.308	85.455
#1	-.00063	.14733	-.00413	.04576	1.1077	.00008	-.00250	5.0058	-.00006	-.00051
#2	-.00095	.14832	-.00026	.04535	1.1138	.00002	-.00055	5.0515	-.00033	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00124**	**.00016**	**2.8835**	**5.2975**	**.04785**	**1.6963**	**.04512**	**.00662**	W **744.80**	**.00182**
Stddev	.00010	.00036	.0137	.0236	.00150	.0063	.00007	.00001	3.16	.00020
%RSD	7.8416	222.98	.47489	.44507	3.1340	.37305	.15388	.12145	.42460	10.692
#1	.00117	.00041	2.8931	5.3142	.04891	1.7008	.04517	.00661	742.57	.00169
#2	.00131	-.00009	2.8738	5.2808	.04679	1.6918	.04508	.00662	747.04	.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14313**	**-.00066**	**.42521**	**-.00004**	**.00319**	**8.2530**	**17.661**	**-.00060**	**.68561**	**.00312**
Stddev	.00034	.00040	.00291	.00242	.00116	.0573	.123	.00080	.00307	.00193
%RSD	.23953	61.321	.68512	5994.5	36.425	.69416	.69416	133.73	.44808	61.854
#1	.14337	-.00095	.42727	-.00175	.00237	8.2935	17.748	-.00003	.68344	.00448
#2	.14288	-.00037	.42315	.00167	.00401	8.2125	17.575	-.00117	.68778	.00175
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00258**	**.00131**	W **-.05655**	**.00085**	**.00498**	**.00068**
Stddev	.00036	.00017	.00123	.00024	.00038	.00033
%RSD	13.895	13.220	2.1750	28.086	7.6418	48.392
#1	.00233	.00144	-.05568	.00102	.00471	.00044
#2	.00284	.00119	-.05741	.00068	.00525	.00091
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6654.7**	**74249.**	**6579.2**
Stddev	20.1	394.	31.7
%RSD	.30192	.53033	.48240
#1	6640.5	73971.	6601.7
#2	6668.9	74527.	6556.8

Sample Name: 280-49067-e-6-a Acquired: 11/14/2013 22:28:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.15344**	**-.00022**	**.18252**	**.05821**	**-.00003**	**-.00021**	**45.538**	**.00025**	**-.00003**
Stddev	.00018	.00060	.00047	.00012	.00047	.00005	.00026	.024	.00011	.00020
%RSD	20.369	.38984	211.23	.06803	.80703	167.06	123.54	.05174	45.698	655.11
#1	-.00077	.15386	.00011	.18261	.05855	.00001	-.00039	45.521	.00017	.00011
#2	-.00103	.15302	-.00056	.18244	.05788	-.00007	-.00003	45.555	.00032	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00084**	**.00828**	**1.1377**	**49.857**	**.01959**	**12.419**	**.12223**	**.00155**	**86.414**	**.00420**
Stddev	.00007	.00045	.0089	.087	.00041	.024	.00011	.00014	.209	.00016
%RSD	8.3881	5.4529	.78571	.17379	2.0930	.19333	.08862	9.3695	.24176	3.8571
#1	.00089	.00796	1.1313	49.795	.01930	12.436	.12230	.00165	86.562	.00409
#2	.00079	.00860	1.1440	49.918	.01988	12.402	.12215	.00144	86.266	.00432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27885**	**.00093**	**24.832**	**.00122**	**.00050**	**4.9991**	**10.698**	**-.00057**	**.29710**	**.00041**
Stddev	.00004	.00054	.057	.00014	.00233	.0341	.073	.00001	.00017	.00055
%RSD	.01295	57.640	.22954	11.111	469.96	.68169	.68169	1.4625	.05642	132.61
#1	.27883	.00055	24.872	.00112	.00215	4.9750	10.646	-.00057	.29698	.00003
#2	.27888	.00131	24.791	.00131	-.00115	5.0232	10.750	-.00056	.29722	.00080
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00097**	**.00030**	**-.03019**	**.00067**	**.04383**	**.00141**
Stddev	.00066	.00048	.02395	.00009	.00004	.00023
%RSD	68.166	160.99	79.318	13.236	.08953	16.654
#1	.00050	-.00004	-.01326	.00073	.04380	.00157
#2	.00144	.00064	-.04712	.00060	.04386	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.2**	**79050.**	**6696.1**
Stddev	5.0	420.	23.4
%RSD	.07225	.53113	.34933
#1	6964.8	78753.	6712.7
#2	6957.7	79347.	6679.6

Sample Name: 280-49092-b-1-a Acquired: 11/14/2013 22:30:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00097**	**.05966**	**.00397**	**.14285**	**.05025**	**-.00005**	**-.00290**	**61.206**	**.00011**	**-.00017**
Stddev	.00016	.00013	.00206	.00017	.00035	.00004	.00187	.206	.00001	.00018
%RSD	16.765	.22239	51.797	.12089	.69451	77.699	64.549	.33635	8.1018	107.65
#1	-.00086	.05956	.00543	.14273	.05050	-.00007	-.00158	61.352	.00010	-.00030
#2	-.00109	.05975	.00252	.14297	.05000	-.00002	-.00423	61.061	.00011	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00224**	**.00418**	**.05430**	**8.0395**	**.01847**	**10.696**	**.02606**	**.00440**	**72.852**	**.04512**
Stddev	.00013	.00019	.00061	.0492	.00276	.019	.00002	.00009	.458	.00079
%RSD	5.9415	4.6619	1.1277	.61230	14.925	.17410	.09445	2.1452	.62932	1.7421
#1	.00233	.00404	.05473	8.0743	.01653	10.709	.02608	.00433	72.528	.04457
#2	.00215	.00432	.05387	8.0047	.02042	10.683	.02605	.00446	73.176	.04568
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7368**	**-.00193**	**30.717**	**.00111**	**.00392**	**18.417**	**39.411**	**-.00080**	**.37722**	**.00043**
Stddev	.0015	.00005	.003	.00054	.00111	.093	.199	.00030	.00145	.00101
%RSD	.08594	2.7973	.00977	48.756	28.336	.50574	.50574	37.014	.38440	233.74
#1	1.7357	-.00197	30.715	.00073	.00314	18.482	39.552	-.00101	.37825	.00114
#2	1.7378	-.00190	30.719	.00150	.00471	18.351	39.270	-.00059	.37620	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00120**	**.00112**	**-.01617**	**.00531**	**.01543**	**.00120**
Stddev	.00011	.00022	.00368	.00056	.00082	.00261
%RSD	9.5012	19.895	22.774	10.633	5.3080	218.22
#1	.00128	.00096	-.01357	.00571	.01601	.00305
#2	.00111	.00127	-.01877	.00491	.01485	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.6**	**79183.**	**6688.7**
Stddev	1.5	165.	7.5
%RSD	.02143	.20818	.11154
#1	6960.5	79066.	6694.0
#2	6962.6	79299.	6683.4

Sample Name: 280-49105-c-1-a Acquired: 11/14/2013 22:32:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**.03009**	**-.00337**	**.22479**	**.58685**	**.00004**	**-.00087**	**2.5174**	**-.00004**	**-.00069**
Stddev	.00031	.00005	.00010	.00027	.00026	.00005	.00154	.0162	.00015	.00011
%RSD	26.459	.16942	2.9139	.12092	.04397	138.88	177.33	.64511	364.68	15.817
#1	-.00094	.03012	-.00331	.22498	.58667	.00007	-.00196	2.5289	.00006	-.00076
#2	-.00138	.03005	-.00344	.22460	.58703	.00000	.00022	2.5059	-.00014	-.00061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00092**	**.00006**	**.66013**	**3.1858**	**.12487**	**.58507**	**.01061**	**.00043**	W **551.81**	**.00065**
Stddev	.00008	.00035	.00166	.0664	.00189	.00178	.00003	.00002	1.20	.00007
%RSD	9.2071	555.51	.25134	2.0848	1.5160	.30464	.32933	4.4807	.21684	11.471
#1	.00098	.00031	.66130	3.1388	.12621	.58633	.01059	.00042	550.97	.00070
#2	.00086	-.00018	.65896	3.2328	.12353	.58381	.01064	.00044	552.66	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03250**	**-.00057**	**.15538**	**.00062**	**.00077**	**9.3314**	**19.969**	**-.00070**	**.50542**	**.00184**
Stddev	.00042	.00015	.00120	.00003	.00116	.0341	.073	.00026	.00083	.00078
%RSD	1.2897	26.045	.77132	4.2038	150.81	.36545	.36545	37.586	.16509	42.627
#1	.03220	-.00067	.15454	.00064	.00159	9.3555	20.021	-.00051	.50483	.00239
#2	.03279	-.00046	.15623	.00060	-.00005	9.3073	19.918	-.00088	.50601	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00037**	**-.00737**	**.00000**	**.00505**	**.00111**
Stddev	.00010	.00027	.05077	.0003	.00014	.00279
%RSD	14.357	73.610	688.68	13835.	2.8489	251.80
#1	.00064	.00018	-.04327	.00023	.00495	-.00087
#2	.00078	.00057	.02853	-.00023	.00515	.00308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6696.9**	**75297.**	**6616.0**
Stddev	10.8	415.	21.1
%RSD	.16080	.55082	.31828
#1	6704.5	75003.	6630.8
#2	6689.3	75590.	6601.1

Sample Name: 280-49105-c-1-aSD@5 Acquired: 11/14/2013 22:35:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.01447**	**.00004**	**.04622**	**.11875**	**.00004**	**.00439**	**.52401**	**-.00006**	**-.00028**
Stddev	.00051	.00015	.00139	.00058	.00088	.00001	.00045	.00201	.00004	.00001
%RSD	41.956	1.0362	3756.2	1.2451	.74073	39.542	10.249	.38334	72.055	3.0378
#1	-.00086	.01437	-.00094	.04662	.11813	.00003	.00407	.52543	-.00008	-.00029
#2	-.00159	.01458	.00102	.04581	.11937	.00005	.00471	.52259	-.00003	-.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**-.00051**	**.14532**	**.72417**	**.02780**	**.11932**	**.00232**	**-.00022**	**109.70**	**-.00002**
Stddev	.00020	.00026	.00102	.00469	.00200	.00487	.00002	.00005	.11	.00001
%RSD	89.362	51.175	.70369	.64720	7.1760	4.0800	.64920	21.837	.09773	78.186
#1	.00037	-.00069	.14460	.72748	.02921	.11588	.00231	-.00025	109.62	-.00003
#2	.00008	-.00033	.14604	.72085	.02639	.12277	.00233	-.00018	109.77	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00575**	**-.00079**	**.03360**	**.00046**	**-.00051**	**1.8697**	**4.0012**	**.00126**	**.10118**	**.00330**
Stddev	.00028	.00049	.00119	.00007	.00335	.0202	.0432	.00042	.00008	.00115
%RSD	4.7929	61.243	3.5281	14.416	654.93	1.0800	1.0800	33.245	.08361	34.864
#1	.00556	-.00045	.03443	.00050	-.00288	1.8554	3.9706	.00156	.10112	.00411
#2	.00595	-.00114	.03276	.00041	.00186	1.8840	4.0317	.00097	.10124	.00249
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00011**	**.00130**	**-.03434**	**.00032**	**.00514**	**-.00074**
Stddev	.00016	.00075	.01241	.00003	.00000	.00007
%RSD	142.78	57.952	36.149	8.8254	.04902	9.4142
#1	-.00023	.00183	-.04312	.00030	.00513	-.00079
#2	.00000	.00077	-.02556	.00034	.00514	-.00069
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.5**	**80096.**	**6701.5**
Stddev	4.0	262.	24.9
%RSD	.05718	.32716	.37159
#1	6997.4	79911.	6719.1
#2	6991.7	80281.	6683.8

Sample Name: 280-49105-c-1-b ms Acquired: 11/14/2013 22:37:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05077**	**1.8944**	**1.0237**	**1.2163**	**2.5166**	**.04560**	F **2.0274**	**46.328**	**.09517**	**.46200**
Stddev	.00080	.0034	.0016	.0029	.0053	.00008	.0059	.107	.00021	.00032
%RSD	1.5800	.18150	.15688	.23959	.20891	.17582	.29079	.23195	.21934	.06833
#1	.05133	1.8920	1.0248	1.2183	2.5203	.04554	2.0316	46.404	.09532	.46178
#2	.05020	1.8969	1.0225	1.2142	2.5129	.04566	2.0233	46.252	.09502	.46223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20336**	**.24000**	**1.6512**	**52.151**	**1.1046**	**47.356**	**.47497**	**1.0030**	W **596.92**	**.49206**
Stddev	.00077	.00047	.0134	.150	.0024	.074	.00068	.0014	.84	.00060
%RSD	.37994	.19571	.80977	.28708	.21554	.15536	.14252	.13579	.14115	.12279
#1	.20391	.23966	1.6606	52.257	1.1063	47.408	.47545	1.0021	597.52	.49248
#2	.20281	.24033	1.6417	52.045	1.1029	47.304	.47449	1.0040	596.33	.49163
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.365**	**.43317**	**.08561**	**.49548**	**2.0245**	**19.252**	**41.198**	**1.9428**	**1.4500**	**.96576**
Stddev	.006	.00148	.00142	.00296	.0173	.134	.286	.0075	.0034	.00016
%RSD	.05366	.34158	1.6591	.59803	.85545	.69510	.69510	.38831	.23227	.01632
#1	10.361	.43422	.08460	.49338	2.0122	19.346	41.401	1.9374	1.4524	.96587
#2	10.369	.43213	.08661	.49757	2.0367	19.157	40.996	1.9481	1.4476	.96565
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98206**	**1.7022**	**3.0314**	**.46706**	**.48758**	**.46188**
Stddev	.00055	.0060	.1042	.00152	.00190	.00038
%RSD	.05596	.35524	3.4382	.32620	.39024	.08157
#1	.98167	1.6979	2.9577	.46813	.48623	.46161
#2	.98245	1.7064	3.1051	.46598	.48892	.46215
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6651.0**	**75081.**	**6717.2**
Stddev	20.2	389.	61.5
%RSD	.30381	.51807	.91594
#1	6665.3	74806.	6673.7
#2	6636.7	75356.	6760.7

Sample Name: 280-49105-c-1-c msd Acquired: 11/14/2013 22:39:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05200**	**1.9291**	**1.0491**	**1.2413**	**2.5867**	**.04686**	F **2.0726**	**47.736**	**.09749**	**.47266**
Stddev	.00023	.0075	.0015	.0070	.0004	.00003	.0177	.084	.00082	.00100
%RSD	.44010	.38681	.14149	.56036	.01417	.05954	.85499	.17687	.83889	.21186
#1	.05216	1.9344	1.0481	1.2364	2.5869	.04684	2.0601	47.796	.09691	.47337
#2	.05184	1.9239	1.0502	1.2462	2.5864	.04688	2.0851	47.676	.09807	.47195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20761**	**.24684**	**1.6763**	**53.878**	**1.1386**	**48.749**	**.48938**	**1.0217**	W **606.27**	**.50216**
Stddev	.00115	.00049	.0058	.013	.0011	.149	.00073	.0007	.20	.00216
%RSD	.55224	.19780	.34803	.02450	.09800	.30648	.14938	.06485	.03335	.43099
#1	.20680	.24650	1.6804	53.868	1.1394	48.854	.48990	1.0222	606.12	.50063
#2	.20842	.24719	1.6722	53.887	1.1378	48.643	.48887	1.0213	606.41	.50369
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.606**	**.44402**	**.08294**	**.50403**	**2.0698**	**19.731**	**42.224**	**1.9680**	**1.4883**	**.99559**
Stddev	.006	.00052	.00045	.00145	.0055	.190	.406	.0035	.0014	.00081
%RSD	.05571	.11765	.54476	.28858	.26357	.96079	.96079	.17819	.09762	.08104
#1	10.610	.44365	.08326	.50300	2.0737	19.597	41.937	1.9704	1.4893	.99616
#2	10.602	.44439	.08262	.50506	2.0659	19.865	42.511	1.9655	1.4873	.99502
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0051**	**1.7374**	**3.1477**	**.48249**	**.49944**	**.47247**
Stddev	.0001	.0051	.0313	.00055	.00037	.00451
%RSD	.00823	.29321	.99475	.11474	.07331	.95421
#1	1.0052	1.7410	3.1698	.48210	.49970	.46928
#2	1.0051	1.7338	3.1255	.48289	.49918	.47565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6628.8**	**74579.**	**6686.3**
Stddev	5.1	118.	18.0
%RSD	.07679	.15810	.26861
#1	6632.4	74495.	6673.6
#2	6625.2	74662.	6699.0

Sample Name: CCVH-2372891 Acquired: 11/14/2013 22:42:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00657**	**48.910**	**-.00355**	**.00482**	**.00105**	**-.00002**	W **1.0638**	**.02651**	**.00071**	**-.00112**	**.00023**	**-.00617**
Stddev	.00024	.076	.00075	.00077	.00007	.00003	.0008	.00473	.00007	.00003	.00014	.00062
%RSD	3.7015	.15467	21.005	15.911	6.7506	119.44	.07556	17.849	9.9194	2.7089	61.210	10.074
#1	-.00674	48.964	-.00408	.00537	.00100	-.00005	1.0644	.02985	.00066	-.00114	.00033	-.00573
#2	-.00640	48.857	-.00302	.00428	.00111	.00000	1.0632	.02316	.00075	-.00110	.00013	-.00661
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.157**	**.35852**	**.00346**	**.06440**	**-.00010**	**.00102**	**252.04**	**-.00095**	**.00430**	**-.00140**	**5.0918**	**.00088**
Stddev	.241	.03211	.00110	.00254	.00004	.00001	.10	.00005	.00148	.00074	.0321	.00207
%RSD	.47055	8.9560	31.750	3.9456	39.972	1.2848	.03910	5.3807	34.368	53.163	.63112	234.81
#1	50.986	.33582	.00424	.06620	-.00007	.00103	252.11	-.00091	.00535	-.00192	5.1146	.00234
#2	51.327	.38123	.00269	.06260	-.00012	.00101	251.97	-.00098	.00326	-.00087	5.0691	-.00058
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00281**	**.01188**	**.02543**	**-.00030**	**.00039**	**5.0864**	**.01258**	**.00251**	F **8.2121**	**.00070**	**.00195**	**-.07173**
Stddev	.00254	.00823	.01760	.00025	.00006	.0010	.00021	.00066	.0714	.00040	.00041	.00051
%RSD	90.402	69.221	69.221	82.142	14.154	.02044	1.6523	26.213	.86946	57.808	20.795	.71466
#1	-.00461	.00607	.01298	-.00047	.00043	5.0872	.01273	.00297	8.2625	.00041	.00224	-.07137
#2	-.00101	.01770	.03787	-.00013	.00035	5.0857	.01243	.00204	8.1616	.00099	.00167	-.07209
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6980.9**	**78332.**	**6765.6**
Stddev	16.0	361.	38.3
%RSD	.22924	.46099	.56577
#1	6992.2	78588.	6792.7
#2	6969.5	78077.	6738.6

Sample Name: CCV-2372889 Acquired: 11/14/2013 22:44:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53417**	**.52823**	**1.0354**	**.52280**	**.49927**	**.47107**	**-.01072**	**4.6592**	**.48562**	**.49947**	**.52719**	**.50122**	**2.5747**
Stddev	.00023	.00022	.0007	.00109	.00379	.00567	.00043	.0024	.00016	.00092	.00103	.00101	.0011
%RSD	.04353	.04089	.06967	.20793	.75874	1.2031	3.9699	.05106	.03280	.18333	.19627	.20241	.04397
#1	.53433	.52838	1.0359	.52203	.50194	.47508	-.01042	4.6609	.48551	.49882	.52646	.50194	2.5755
#2	.53400	.52808	1.0349	.52356	.49659	.46706	-.01102	4.6575	.48573	.50012	.52792	.50050	2.5739
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.580**	**.97983**	**20.228**	**.49270**	**.52048**	**5.2408**	**.52915**	**1.0318**	**.96292**	**-.00220**	**1.0206**	**1.0585**	**5.0098**
Stddev	.482	.00800	.060	.00110	.00083	.0690	.00010	.0041	.00034	.00241	.0006	.0037	.0486
%RSD	1.0131	.81666	.29685	.22257	.15994	1.3158	.01836	.39559	.03520	109.46	.06045	.34989	.97005
#1	47.921	.98549	20.270	.49347	.51989	5.2896	.52908	1.0289	.96316	-.00390	1.0202	1.0612	5.0442
#2	47.239	.97417	20.185	.49192	.52107	5.1921	.52922	1.0346	.96268	-.00050	1.0211	1.0559	4.9755
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.721**	**1.0304**	**.48914**	**.00458**	**.50186**	**1.0025**	**.01608**	**.48016**	**.50406**	**.48450**
Stddev	.104	.0006	.00475	.00090	.00018	.0023	.04645	.00058	.00151	.00287
%RSD	.97005	.05993	.97043	19.565	.03620	.22868	288.95	.11999	.29866	.59224
#1	10.795	1.0308	.49250	.00395	.50173	1.0041	.04893	.47975	.50512	.48653
#2	10.648	1.0300	.48579	.00522	.50199	1.0009	-.01677	.48057	.50299	.48247
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7044.6**	**79609.**	**6721.5**
Stddev	22.6	227.	76.0
%RSD	.32122	.28472	1.1302
#1	7060.6	79449.	6667.7
#2	7028.6	79769.	6775.2

Sample Name: CCB Acquired: 11/14/2013 22:46:33 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00116**	F **.03108**	**-.00032**	**.00376**	**.00030**	**.00004**	**.00572**	**-.00153**	**.00014**	**.00037**	**.00029**
Stddev	.00008	.00594	.00029	.00081	.00004	.00001	.00111	.00661	.00012	.00009	.00009
%RSD	6.9602	19.096	90.594	21.455	13.509	17.205	19.382	432.20	87.685	23.358	31.123
#1	-.00121	.02689	-.00053	.00433	.00027	.00005	.00494	.00314	.00005	.00043	.00023
#2	-.00110	.03528	-.00012	.00319	.00033	.00004	.00650	-.00620	.00023	.00031	.00035
Check ?	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093	.03100									
Low Limit	-.00093	-.03100									

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00061**	**-.00087**	**.17143**	W **.00299**	**.00298**	**.00003**	**.00076**	F **.25807**	**.00052**	**.00485**	**.00058**
Stddev	.00019	.00153	.01549	.00144	.00118	.00001	.00016	.00861	.00065	.00344	.00028
%RSD	30.670	175.28	9.0359	48.183	39.464	41.306	21.407	3.3376	125.53	70.764	48.002
#1	-.00048	.00021	.16048	.00400	.00382	.00004	.00064	.25198	.00006	.00243	.00038
#2	-.00074	-.00195	.18239	.00197	.00215	.00002	.00087	.26416	.00097	.00728	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01014**	F **.00789**	**.00355**	**-.00746**	**-.01595**	**.00089**	**-.00020**	**.00213**	**.00005**	**.00070**	**-.01639**
Stddev	.00298	.00231	.00231	.01292	.02765	.00004	.00004	.00090	.00016	.00083	.03675
%RSD	29.416	29.275	64.960	173.29	173.29	4.6943	22.776	42.410	310.51	118.05	224.20
#1	.00803	.00953	.00192	.00168	.00360	.00086	-.00016	.00276	.00016	.00012	-.04238
#2	.01225	.00626	.00519	-.01659	-.03551	.00092	-.00023	.00149	-.00006	.00129	.00959
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00015**	**.00291**	**-.00064**
Stddev	.00018	.00022	.00030
%RSD	115.81	7.5597	46.303
#1	-.00003	.00307	-.00043
#2	-.00028	.00276	-.00085
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7014.4**	**80244.**	**6570.2**
Stddev	17.9	63.	46.9
%RSD	.25452	.07877	.71375
#1	7001.8	80289.	6603.4
#2	7027.0	80199.	6537.0

Sample Name: CCVL2379751 Acquired: 11/14/2013 22:48:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.10837**	**.01480**	**.10507**	**.01036**	**.00099**	**.11368**	**.19319**	**.00474**	**.01010**	**.01060**	**.01407**	**.10465**	**3.0005**
Stddev	.00070	.00037	.00064	.00013	.00004	.00002	.00249	.00200	.00015	.00008	.00013	.00023	.00008	.0011
%RSD	7.1129	.33924	4.3165	.12307	.40297	2.2019	2.1906	1.0345	3.2586	.82342	1.2098	1.6077	.07824	.03792
#1	.01028	.10811	.01525	.10516	.01039	.00097	.11192	.19460	.00463	.01004	.01051	.01391	.10471	3.0013
#2	.00930	.10863	.01435	.10498	.01033	.00100	.11544	.19178	.00485	.01016	.01069	.01423	.10459	2.9997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00935**	**.20813**	**.01005**	**.02013**	**1.2024**	**.04348**	**3.0266**	**.00843**	**.00283**	**.01142**	**.01611**	**.51405**	**1.1001**	**.10525**
Stddev	.00103	.00361	.00002	.00030	.0090	.00045	.0047	.00048	.00074	.00101	.00157	.00407	.0087	.00074
%RSD	10.977	1.7343	.24777	1.4847	.75143	1.0396	.15423	5.6755	26.156	8.8276	9.7337	.79097	.79097	.70759
#1	.00862	.20558	.01007	.01992	1.1960	.04316	3.0299	.00809	.00230	.01070	.01500	.51693	1.1062	.10472
#2	.01008	.21068	.01003	.02034	1.2087	.04380	3.0232	.00876	.00335	.01213	.01722	.51118	1.0939	.10578
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00984**	**.01468**	**.00961**	**.01637**	**.05964**	**.00959**	**.02442**	**.01664**
Stddev	.00025	.00216	.00031	.00115	.03430	.00005	.00052	.00205
%RSD	2.5473	14.729	3.2208	7.0065	57.506	.48410	2.1352	12.304
#1	.00967	.01620	.00939	.01718	.03539	.00956	.02478	.01809
#2	.01002	.01315	.00983	.01556	.08389	.00962	.02405	.01519
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7194.7**	**81654.**	**6683.5**
Stddev	2.1	42.	56.5
%RSD	.02900	.05113	.84562
#1	7193.2	81625.	6723.5
#2	7196.1	81684.	6643.6

Sample Name: 48901-9 Acquired: 11/14/2013 22:51:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: K DQR

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**.01560**	**.00035**	**.42450**	**.04513**	**.00004**	**.00553**	**102.55**	**.00053**	**.00013**
Stddev	.00025	.00047	.00257	.00057	.00003	.00002	.00163	.02	.00015	.00006
%RSD	32.585	3.0174	739.44	.13419	.05649	45.566	29.493	.02207	29.168	43.848
#1	-.00059	.01527	-.00147	.42410	.04511	.00006	.00437	102.57	.00064	.00017
#2	-.00095	.01593	.00216	.42490	.04515	.00003	.00668	102.54	.00042	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00050**	**.10771**	**10.417**	**.04389**	**49.039**	**.06295**	**.00519**	**167.13**	**.00139**
Stddev	.00017	.00009	.00425	.004	.00160	.260	.00015	.00011	.62	.00023
%RSD	85.651	18.436	3.9479	.03416	3.6541	.53028	.24468	2.1199	.37197	16.319
#1	.00008	.00057	.11072	10.420	.04276	49.223	.06306	.00527	166.69	.00155
#2	.00032	.00044	.10471	10.415	.04503	48.855	.06284	.00511	167.57	.00123
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00861**	**-.00086**	**135.11**	**.00088**	**-.00066**	**7.1308**	**15.260**	**.00004**	**4.1063**	**.00178**
Stddev	.00059	.00013	.10	.00234	.00310	.1059	.227	.00057	.0056	.00048
%RSD	6.8107	15.150	.07620	264.72	470.17	1.4854	1.4854	1326.9	.13626	27.137
#1	.00820	-.00076	135.18	.00254	.00153	7.2057	15.420	-.00036	4.1023	.00144
#2	.00903	-.00095	135.03	-.00077	-.00285	7.0559	15.100	.00044	4.1102	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00264**	**-.02617**	**.00049**	**.00399**	**.00085**
Stddev	.00013	.00094	.01097	.00001	.00005	.00158
%RSD	83.362	35.651	41.923	2.4905	1.3297	184.99
#1	.00025	.00331	-.01841	.00050	.00395	.00197
#2	.00007	.00198	-.03392	.00048	.00402	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6905.8**	**78438.**	**6718.9**
Stddev	9.0	372.	28.8
%RSD	.12975	.47434	.42818
#1	6912.1	78175.	6698.5
#2	6899.4	78701.	6739.2

Sample Name: 280-49105-c-2-a Acquired: 11/14/2013 22:53:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00084**	**.37772**	**-.00094**	**.22637**	**.51819**	**.00004**	**-.00030**	**3.4568**	**-.00017**	**-.00072**
Stddev	.00044	.00378	.00225	.00068	.00092	.00006	.00080	.0082	.00002	.00011
%RSD	51.934	1.0010	238.66	.30056	.17680	151.15	270.21	.23834	12.683	14.749
#1	-.00053	.37505	.00065	.22686	.51754	.00008	-.00086	3.4510	-.00016	-.00079
#2	-.00115	.38039	-.00253	.22589	.51884	.00000	.00027	3.4626	-.00019	-.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00119**	**.00069**	**.70271**	**3.4097**	**.13331**	**.85851**	**.02063**	**.00087**	W **583.04**	**.00059**
Stddev	.00018	.00031	.00250	.0775	.00201	.00437	.00003	.00011	.28	.00027
%RSD	15.322	45.110	.35628	2.2745	1.5064	.50955	.13566	12.190	.04819	46.634
#1	.00132	.00091	.70094	3.3548	.13189	.86160	.02061	.00095	583.24	.00078
#2	.00106	.00047	.70448	3.4645	.13473	.85541	.02065	.00080	582.84	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04017**	**.00023**	**.22391**	**.00027**	**.00242**	**9.1107**	**19.497**	**-.00032**	**.55772**	**.00055**
Stddev	.00153	.00046	.00988	.00071	.00165	.0625	.134	.00041	.00013	.00032
%RSD	3.8007	203.16	4.4127	262.63	68.175	.68572	.68572	129.14	.02273	58.413
#1	.04125	.00056	.23089	.00077	.00358	9.0666	19.402	-.00003	.55763	.00032
#2	.03909	-.00010	.21692	-.00023	.00125	9.1549	19.592	-.00061	.55781	.00078
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00701**	**.00077**	W **-.06990**	**.00088**	**.00582**	**.00000**
Stddev	.00029	.00040	.00082	.00044	.00038	.00166
%RSD	4.1373	52.326	1.1786	49.425	6.5647	45032.
#1	.00721	.00106	-.06931	.00057	.00609	.00118
#2	.00680	.00049	-.07048	.00119	.00555	-.00117
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6623.8**	**74491.**	**6631.5**
Stddev	19.1	182.	23.7
%RSD	.28861	.24402	.35798
#1	6637.4	74363.	6648.3
#2	6610.3	74620.	6614.7

Sample Name: 280-49105-c-3-a Acquired: 11/14/2013 22:55:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00043**	**.35810**	**-.00109**	**.22445**	**.51347**	**.00003**	**.00086**	**3.4405**	**-.00015**	**-.00043**
Stddev	.00029	.00218	.00213	.00069	.00061	.00003	.00028	.0192	.00030	.00015
%RSD	68.995	.60861	195.11	.30930	.11946	93.899	32.012	.55663	198.98	34.338
#1	-.00022	.35656	-.00260	.22494	.51390	.00001	.00067	3.4541	-.00037	-.00053
#2	-.00063	.35964	.00042	.22396	.51304	.00006	.00106	3.4270	.00006	-.00032
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00128**	**.00076**	**.68294**	**3.4468**	**.13114**	**.83776**	**.01999**	**.00079**	W **579.55**	**.00179**
Stddev	.00017	.00032	.00185	.0652	.00233	.00208	.00003	.00018	1.00	.00017
%RSD	13.231	41.315	.27056	1.8922	1.7755	.24862	.16118	22.679	.17206	9.4219
#1	.00140	.00099	.68425	3.4007	.13278	.83923	.02001	.00066	578.85	.00191
#2	.00116	.00054	.68163	3.4929	.12949	.83628	.01997	.00091	580.26	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03919**	**-.00131**	**.21462**	**.00192**	**-.00060**	**9.0422**	**19.350**	**-.00129**	**.55339**	**.00202**
Stddev	.00129	.00050	.00141	.00166	.00023	.0043	.009	.00033	.00025	.00175
%RSD	3.2984	38.135	.65818	86.637	39.288	.04790	.04790	25.599	.04595	86.392
#1	.04011	-.00166	.21562	.00074	-.00043	9.0392	19.344	-.00106	.55357	.00326
#2	.03828	-.00096	.21362	.00310	-.00076	9.0453	19.357	-.00153	.55321	.00079
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**.00008**	**-.01982**	**.00141**	**.00636**	**.00068**
Stddev	.00059	.00050	.01773	.00012	.00012	.00029
%RSD	8.9373	605.02	89.474	8.2490	1.9253	42.577
#1	.00697	-.00027	-.03235	.00132	.00627	.00088
#2	.00614	.00043	-.00728	.00149	.00644	.00047
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6652.9**	**74948.**	**6573.8**
Stddev	36.7	303.	82.6
%RSD	.55163	.40483	1.2559
#1	6678.8	74733.	6515.4
#2	6626.9	75163.	6632.2

Sample Name: 280-49105-c-4-a Acquired: 11/14/2013 22:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00132**	**8.7180**	**-.00061**	**.20835**	**.19941**	**.00032**	**-.00277**	**6.9564**	**.00019**	**.00095**
Stddev	.00025	.0763	.00034	.00086	.00021	.00003	.00077	.0407	.00022	.00013
%RSD	18.662	.87558	55.972	.41448	.10500	8.3656	27.646	.58531	114.27	13.845
#1	-.00115	8.6640	-.00037	.20896	.19926	.00034	-.00331	6.9276	.00004	.00104
#2	-.00150	8.7720	-.00085	.20774	.19956	.00031	-.00223	6.9852	.00034	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00783**	**.00778**	**6.8728**	**4.9723**	**.12455**	**2.7812**	**.09446**	**.00119**	W **576.99**	**.00452**
Stddev	.00010	.00002	.0035	.0639	.00091	.0142	.00030	.00011	3.27	.00042
%RSD	1.2588	.31336	.05055	1.2857	.73062	.50999	.31272	9.2258	.56651	9.3721
#1	.00790	.00777	6.8704	4.9271	.12390	2.7912	.09466	.00111	574.68	.00482
#2	.00776	.00780	6.8753	5.0175	.12519	2.7711	.09425	.00127	579.31	.00422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26675**	**.00192**	**.29399**	**.00015**	**-.00097**	**22.487**	**48.122**	**-.00051**	**.36434**	**.00470**
Stddev	.00109	.00083	.00270	.00152	.00293	.000	.000	.00043	.00258	.00027
%RSD	.40703	43.067	.91677	1034.0	301.94	.00081	.00081	82.939	.70731	5.6739
#1	.26752	.00250	.29209	-.00093	-.00304	22.487	48.122	-.00082	.36252	.00451
#2	.26598	.00133	.29590	.00122	.00110	22.487	48.122	-.00021	.36616	.00489
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07456**	**.00054**	**-.01959**	**.01310**	**.02395**	**.00186**
Stddev	.00058	.00008	.00165	.00039	.00071	.00140
%RSD	.77261	15.184	8.4228	3.0091	2.9689	75.496
#1	.07415	.00048	-.02076	.01282	.02345	.00087
#2	.07497	.00060	-.01842	.01338	.02446	.00285
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6817.8**	**75406.**	**6656.4**
Stddev	24.9	107.	1.2
%RSD	.36521	.14238	.01814
#1	6800.2	75482.	6655.5
#2	6835.4	75330.	6657.2

Sample Name: 280-49105-c-5-a Acquired: 11/14/2013 23:00:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00107**	**.02371**	**-.00203**	**.02356**	**.15239**	**.00009**	**.00131**	**215.14**	**.00072**	**.00002**
Stddev	.00084	.00018	.00104	.00052	.00076	.00006	.00061	2.27	.00011	.00011
%RSD	78.376	.75656	51.541	2.2194	.50179	66.452	46.582	1.0554	14.846	458.82
#1	-.00048	.02358	-.00276	.02319	.15185	.00013	.00088	213.53	.00079	.00010
#2	-.00167	.02384	-.00129	.02393	.15293	.00005	.00174	216.74	.00064	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00053**	**.11799**	**1.9736**	**.01172**	**53.919**	**.00440**	**.00131**	**82.340**	**.00102**
Stddev	.00004	.00037	.00024	.0147	.00100	.100	.00012	.00001	1.604	.00011
%RSD	49.849	70.931	.20677	.74292	8.5527	.18453	2.7687	.63640	1.9478	11.201
#1	.00005	-.00079	.11781	1.9633	.01243	53.849	.00432	.00132	81.206	.00110
#2	.00011	-.00026	.11816	1.9840	.01101	53.990	.00449	.00130	83.475	.00094
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02261**	**-.00138**	**7.7931**	**.00045**	**.00254**	**7.4330**	**15.907**	**-.00029**	**3.4536**	**.00393**
Stddev	.00120	.00000	.0194	.00244	.00123	.1194	.256	.00063	.0163	.00035
%RSD	5.3134	.27723	.24862	544.19	48.188	1.6068	1.6068	216.94	.47055	8.9538
#1	.02346	-.00138	7.7794	-.00128	.00341	7.3486	15.726	-.00073	3.4421	.00369
#2	.02176	-.00138	7.8068	.00217	.00168	7.5175	16.087	.00015	3.4651	.00418
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00027**	**-.04055**	**.00121**	**.00567**	**.00058**
Stddev	.00015	.00052	.00185	.00000	.00005	.00074
%RSD	1382.1	195.52	4.5507	.05132	.81573	127.15
#1	.00012	.00064	-.04186	.00121	.00571	.00006
#2	-.00010	-.00010	-.03925	.00121	.00564	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6650.1**	**75631.**	**6586.7**
Stddev	4.9	40.	22.5
%RSD	.07388	.05290	.34129
#1	6646.6	75602.	6602.6
#2	6653.5	75659.	6570.8

Sample Name: 280-49105-c-6-a Acquired: 11/14/2013 23:03:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.60167**	**-.00403**	**.02123**	**.14530**	**.00003**	**.00017**	**185.59**	**.00056**	**.00040**
Stddev	.00012	.00029	.00249	.00055	.00053	.00000	.00276	.42	.00001	.00008
%RSD	8.4136	.04875	61.650	2.6123	.36260	10.054	1607.4	.22546	1.0849	20.834
#1	-.00147	.60188	-.00227	.02084	.14493	.00003	-.00178	185.30	.00056	.00034
#2	-.00130	.60146	-.00579	.02162	.14567	.00003	.00212	185.89	.00055	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00070**	**1.0995**	**1.7768**	**.00797**	**48.643**	**.08688**	**.00199**	**84.683**	**.00114**
Stddev	.00013	.00018	.0123	.0326	.00249	.196	.00045	.00002	.179	.00014
%RSD	16.246	26.469	1.1169	1.8334	31.267	.40352	.52311	1.1570	.21114	12.332
#1	.00070	.00083	1.0908	1.7538	.00621	48.504	.08656	.00201	84.810	.00104
#2	.00089	.00057	1.1082	1.7998	.00973	48.782	.08720	.00197	84.557	.00124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02962**	**-.00158**	**8.5674**	**.00115**	**.00229**	**7.9138**	**16.936**	**-.00041**	**3.1064**	**.00146**
Stddev	.00060	.00056	.0267	.00237	.00368	.0454	.097	.00011	.0075	.00176
%RSD	2.0313	35.346	.31166	206.92	160.67	.57348	.57348	27.443	.24272	120.26
#1	.03004	-.00119	8.5863	.00282	-.00031	7.8818	16.867	-.00033	3.1010	.00022
#2	.02919	-.00198	8.5485	-.00053	.00490	7.9459	17.004	-.00049	3.1117	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01757**	**.00140**	**-.01187**	**.00187**	**.00525**	**-.00183**
Stddev	.00036	.00021	.01241	.00034	.00028	.00022
%RSD	2.0754	15.011	104.54	18.217	5.3231	12.273
#1	.01731	.00155	-.02065	.00163	.00544	-.00198
#2	.01783	.00125	-.00310	.00211	.00505	-.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6733.2**	**76766.**	**6630.0**
Stddev	3.1	526.	15.7
%RSD	.04650	.68529	.23608
#1	6731.0	77138.	6641.1
#2	6735.4	76394.	6618.9

Sample Name: 280-49105-c-7-a Acquired: 11/14/2013 23:05:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200656 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00095**	**.01683**	**-.00395**	**.01805**	**.08685**	**.00000**	**.00027**	**101.03**	**.00039**	**-.00020**
Stddev	.00038	.00029	.00181	.00022	.00005	.0000	.00163	.09	.00018	.00000
%RSD	39.480	1.7493	45.710	1.2253	.05978	2468.8	597.14	.08474	45.285	.17507
#1	-.00122	.01704	-.00268	.01789	.08689	-.00003	.00142	101.09	.00027	-.00020
#2	-.00069	.01662	-.00523	.01820	.08682	.00002	-.00088	100.97	.00052	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00029**	**.33569**	**1.1600**	**.00490**	**28.490**	**.08283**	**.00003**	**46.563**	**.00018**
Stddev	.00012	.00013	.00084	.0044	.00198	.178	.00055	.00003	.255	.00025
%RSD	248.04	45.197	.24975	.37735	40.346	.62368	.66401	88.123	.54744	139.85
#1	.00004	-.00020	.33628	1.1569	.00630	28.616	.08322	.00005	46.383	.00035
#2	-.00013	-.00038	.33510	1.1631	.00350	28.364	.08244	.00001	46.743	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02048**	**-.00074**	**21.411**	**.00047**	**.00106**	**5.8407**	**12.499**	**-.00025**	**1.8868**	**.00312**
Stddev	.00126	.00076	.043	.00236	.00319	.0006	.001	.00036	.0035	.00120
%RSD	6.1497	102.40	.20023	499.40	301.08	.01071	.01071	142.44	.18479	38.515
#1	.01959	-.00020	21.381	-.00120	.00332	5.8402	12.498	.00000	1.8844	.00397
#2	.02137	-.00128	21.441	.00214	-.00120	5.8411	12.500	-.00051	1.8893	.00227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**.00185**	**-.04144**	**.00037**	**.00507**	**-.00077**
Stddev	.00023	.00044	.01532	.00012	.00004	.00136
%RSD	336.36	23.850	36.969	31.036	.71038	175.77
#1	-.00009	.00216	-.05227	.00029	.00504	-.00174
#2	.00023	.00153	-.03061	.00046	.00509	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6815.8**	**78427.**	**6659.4**
Stddev	1.2	354.	7.6
%RSD	.01714	.45137	.11468
#1	6816.6	78177.	6654.0
#2	6815.0	78677.	6664.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 23:07:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00647**	**48.300**	**-.00186**	**.00036**	**.00066**	**.00001**	**1.0437**	**.02670**	**.00072**	**-.00098**	**.00028**	**-.00636**	**50.464**
Stddev	.00079	.170	.00265	.00047	.00003	.00003	.0087	.00530	.00003	.00015	.00000	.00036	.059
%RSD	12.207	.35294	142.66	129.24	4.7780	271.47	.83104	19.844	3.4848	15.215	1.0519	5.5975	.11709
#1	-.00702	48.420	.00002	.00070	.00068	.00003	1.0498	.03044	.00074	-.00109	.00028	-.00661	50.422
#2	-.00591	48.179	-.00373	.00003	.00064	-.00001	1.0376	.02295	.00070	-.00088	.00028	-.00610	50.505
Check ?	None	Chk Pass	None	None	None	None	Chk Pass	None	None	None	None	None	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21730**	**.00132**	**.05781**	**-.00009**	**.00039**	**248.59**	**-.00108**	**.00317**	**-.00158**	**4.9781**	**-.00017**	**-.00243**	**.00563**
Stddev	.02251	.00059	.00213	.00002	.00010	.51	.00038	.00076	.00143	.0155	.00159	.00100	.00612
%RSD	10.358	44.582	3.6822	18.873	25.343	.20670	34.880	23.828	90.718	.31151	948.08	40.886	108.61
#1	.20138	.00090	.05630	-.00010	.00032	248.96	-.00135	.00264	-.00259	4.9891	.00096	-.00314	.00131
#2	.23321	.00173	.05931	-.00008	.00046	248.23	-.00082	.00371	-.00057	4.9671	-.00130	-.00173	.00996
Check ?	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None	None	None
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01205**	**-.00043**	**.00024**	**5.0434**	**.01254**	**.00219**	F **8.1209**	**.00098**	**.00219**	**-.07367**
Stddev	.01309	.00042	.00009	.0003	.00000	.00034	.0443	.00032	.00003	.00096
%RSD	108.61	97.359	39.256	.00630	.01198	15.540	.54549	33.263	1.1672	1.2986
#1	.00280	-.00014	.00031	5.0432	.01254	.00243	8.1522	.00121	.00217	-.07299
#2	.02131	-.00073	.00017	5.0437	.01254	.00195	8.0896	.00075	.00220	-.07434
Check ?	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value							10.000			
Range							-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.1**	**77250.**	**6615.2**
Stddev	17.6	502.	36.7
%RSD	.25557	.65006	.55447
#1	6859.6	77605.	6589.3
#2	6884.5	76894.	6641.2

Sample Name: CCV-2372889 Acquired: 11/14/2013 23:10:22 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53319**	**.53514**	**1.0326**	**.51944**	**.49927**	**.46754**	**-.00849**	**4.6330**	**.48231**	**.49781**	**.52698**	**.49907**	**2.5661**
Stddev	.00076	.00853	.0008	.00068	.00033	.00074	.00255	.0048	.00140	.00096	.00011	.00044	.0029
%RSD	.14316	1.5948	.08047	.13129	.06522	.15736	29.977	.10343	.29082	.19216	.02006	.08812	.11440
#1	.53373	.52910	1.0332	.51993	.49950	.46806	-.00669	4.6296	.48330	.49848	.52706	.49876	2.5640
#2	.53265	.54117	1.0320	.51896	.49904	.46702	-.01029	4.6364	.48132	.49713	.52691	.49938	2.5682
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.608**	**.98273**	**20.232**	**.49143**	**.51993**	**5.2035**	**.53269**	**1.0347**	**.96220**	**.00361**	**1.0162**	**1.0574**	**5.0102**
Stddev	.151	.00409	.027	.00001	.00070	.0317	.00391	.0004	.00231	.00845	.0001	.0010	.0070
%RSD	.31740	.41623	.13379	.00167	.13473	.60893	.73441	.04103	.23976	234.12	.01048	.09393	.14012
#1	47.714	.98562	20.251	.49143	.52042	5.2259	.52992	1.0344	.96383	-.00237	1.0162	1.0567	5.0152
#2	47.501	.97983	20.213	.49144	.51943	5.1811	.53546	1.0350	.96057	.00958	1.0161	1.0581	5.0052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.722**	**1.0289**	**.48801**	**.00353**	**.50022**	**.99970**	**-.01447**	**.47825**	**.50558**	**.48235**
Stddev	.015	.0039	.00080	.00020	.00041	.00256	.01446	.00032	.00178	.00097
%RSD	.14012	.37538	.16336	5.7165	.08168	.25651	99.927	.06605	.35172	.20099
#1	10.732	1.0316	.48858	.00339	.49993	1.0015	-.00425	.47803	.50684	.48304
#2	10.711	1.0261	.48745	.00367	.50051	.99789	-.02469	.47847	.50433	.48167
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7014.8**	**79365.**	**6587.9**
Stddev	14.0	206.	9.6
%RSD	.19928	.26004	.14598
#1	7004.9	79219.	6581.1
#2	7024.7	79511.	6594.7

Sample Name: CCB Acquired: 11/14/2013 23:12:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	**.00018**	**.00090**	**.00086**	**.00003**	**.00005**	**.00246**	**-.00217**	**-.00001**	**.00009**	**-.00027**	**-.00089**	**-.00092**
Stddev	.00060	.00042	.00076	.00012	.00016	.00001	.00106	.00136	.00007	.00013	.00005	.00030	.00177
%RSD	88.021	230.90	84.096	13.541	555.30	11.378	43.143	62.389	473.94	136.38	16.947	33.779	192.15
#1	-.00111	.00048	.00036	.00078	-.00009	.00004	.00171	-.00121	.00003	.00018	-.00030	-.00110	-.00217
#2	-.00026	-.00012	.00143	.00095	.00014	.00005	.00321	-.00313	-.00006	.00000	-.00024	-.00068	.00033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15971**	**.00114**	**.00302**	**-.00002**	**.00004**	F **.25126**	**-.00025**	**-.00071**	**.00020**	**.00148**	F **.00747**	**.00059**	**.00832**
Stddev	.02806	.00169	.00189	.00005	.00017	.00111	.00034	.00072	.00017	.00022	.00214	.00066	.01616
%RSD	17.568	148.74	62.593	218.16	417.19	.44047	137.19	101.86	86.478	14.872	28.681	111.36	194.30
#1	.13987	.00233	.00436	-.00006	.00016	.25204	-.00001	-.00020	.00033	.00163	.00595	.00013	.01975
#2	.17955	-.00006	.00168	.00001	-.00008	.25047	-.00049	-.00122	.00008	.00132	.00898	.00105	-.00311
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit						.18320					.00628		
Low Limit						-.18320					-.00628		

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01780**	**-.00002**	**-.00005**	**.00081**	**.00002**	**.00060**	**-.00781**	**.00014**	**.00295**	**.00052**
Stddev	.03459	.00069	.00005	.00050	.00024	.00007	.03835	.00030	.00037	.00199
%RSD	194.30	3701.7	97.070	61.744	1201.8	12.526	490.97	204.45	12.693	383.47
#1	.04226	-.00051	-.00002	.00117	.00019	.00054	.01931	-.00006	.00322	-.00089
#2	-.00666	.00047	-.00009	.00046	-.00015	.00065	-.03493	.00035	.00269	.00193
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6943.4**	**78799.**	**6460.3**
Stddev	11.9	180.	47.0
%RSD	.17089	.22897	.72772
#1	6935.0	78927.	6427.1
#2	6951.8	78672.	6493.6

Sample Name: CCVL2379751 Acquired: 11/14/2013 23:14:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00971**	**.10929**	**.01574**	**.10304**	**.01019**	**.00092**	**.11524**	**.19114**	**.00482**	**.01021**	**.01059**	**.01413**	**.10369**
Stddev	.00041	.00009	.00122	.00033	.00016	.00001	.00107	.00039	.00005	.00030	.00007	.00029	.00075
%RSD	4.2589	.08358	7.7625	.31960	1.5795	1.1541	.93140	.20447	1.0324	2.9227	.62544	2.0506	.72009
#1	.01000	.10923	.01488	.10281	.01031	.00093	.11599	.19086	.00485	.01000	.01054	.01433	.10316
#2	.00942	.10936	.01661	.10327	.01008	.00092	.11448	.19142	.00478	.01042	.01063	.01392	.10422
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0038**	**.01015**	**.20972**	**.01000**	**.02011**	**1.2172**	**.04322**	**3.0189**	**.00801**	**.00243**	**.00963**	**.01570**	**.51193**
Stddev	.0120	.00071	.00239	.00003	.00059	.0120	.00016	.0137	.00106	.00179	.00042	.00053	.01449
%RSD	.39768	6.9683	1.1406	.34062	2.9472	.98309	.37809	.45270	13.224	73.449	4.4038	3.3729	2.8295
#1	2.9954	.00965	.21141	.01002	.01969	1.2087	.04310	3.0092	.00876	.00370	.00933	.01608	.50169
#2	3.0123	.01065	.20803	.00998	.02053	1.2256	.04333	3.0286	.00726	.00117	.00993	.01533	.52217
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0955**	**.10471**	**.00973**	**.01501**	**.00982**	**.01680**	F **.11455**	**.00948**	**.02351**	**.01353**
Stddev	.0310	.00069	.00001	.00174	.00001	.00022	.00505	.00030	.00063	.00130
%RSD	2.8295	.66150	.12936	11.582	.06384	1.2932	4.4080	3.2001	2.6770	9.6305
#1	1.0736	.10520	.00973	.01378	.00982	.01664	.11098	.00926	.02306	.01445
#2	1.1175	.10422	.00974	.01624	.00983	.01695	.11812	.00969	.02395	.01260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7133.1**	**80744.**	**6531.9**
Stddev	6.0	403.	7.4
%RSD	.08465	.49971	.11286
#1	7128.8	80459.	6537.2
#2	7137.4	81029.	6526.7

Sample Name: mb 280-200660/1-a Acquired: 11/14/2013 23:17:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00094**	**.00273**	**-.00328**	**.00016**	**.00040**	**-.00004**	**.00148**	**.00658**	**-.00018**	**-.00001**
Stddev	.00013	.00004	.00081	.00024	.00000	.00002	.00049	.00471	.00011	.00004
%RSD	13.940	1.2906	24.705	152.30	.60415	41.846	33.310	71.588	62.420	281.31
#1	-.00085	.00275	-.00385	.00032	.00039	-.00003	.00113	.00325	-.00010	-.00004
#2	-.00103	.00270	-.00271	-.00001	.00040	-.00005	.00183	.00991	-.00025	.00001
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00001**	**.00122**	**.15043**	**.00292**	**.00162**	**.00015**	**-.00008**	W **.21273**	**.00015**
Stddev	.00009	.00013	.00158	.01735	.00226	.00022	.00003	.00009	.00110	.00005
%RSD	183.58	1356.4	129.44	11.530	77.303	13.864	19.438	110.03	.51934	33.752
#1	-.00001	-.00010	.00010	.16270	.00133	.00178	.00017	-.00015	.21195	.00018
#2	.00011	.00008	.00233	.13817	.00452	.00146	.00013	-.00002	.21351	.00011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00162**	**-.00039**	**.00424**	**.00154**	**-.00059**	**-.00029**	**-.00062**	**-.00021**	**-.00006**	W **.00387**
Stddev	.00041	.00110	.00057	.00257	.00233	.00248	.00532	.00078	.00012	.00129
%RSD	25.001	281.59	13.412	166.55	391.85	861.47	861.47	375.38	199.43	33.406
#1	.00133	-.00117	.00384	-.00027	-.00224	.00147	.00314	-.00076	.00002	.00295
#2	.00191	.00039	.00465	.00335	.00105	-.00205	-.00438	.00034	-.00014	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00038**	**-.00020**	W **-.05826**	**.00023**	W **.00972**	**-.00008**
Stddev	.00022	.00013	.05611	.00012	.00063	.00106
%RSD	56.830	65.625	96.314	50.678	6.4746	1326.9
#1	-.00053	-.00011	-.01858	.00015	.01016	.00067
#2	-.00023	-.00029	-.09793	.00031	.00927	-.00083
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.05000		.00348	
Low Limit			-.05000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7068.0**	**80405.**	**6590.9**
Stddev	14.1	285.	23.8
%RSD	.19940	.35423	.36051
#1	7058.0	80204.	6607.7
#2	7077.9	80606.	6574.1

Sample Name: lcs 280-200660/2-a Acquired: 11/14/2013 23:19:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05139**	**2.0019**	**1.0448**	**1.0670**	**2.0342**	**.04785**	**2.1462**	**46.131**	**.09787**	**.49031**
Stddev	.00054	.0062	.0042	.0010	.0019	.00004	.0062	.056	.00001	.00082
%RSD	1.0578	.31000	.40560	.09477	.09341	.09305	.29093	.12168	.00879	.16705
#1	.05101	2.0062	1.0418	1.0677	2.0329	.04781	2.1506	46.091	.09788	.49089
#2	.05178	1.9975	1.0478	1.0663	2.0356	.04788	2.1418	46.170	.09787	.48973
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21312**	**.25114**	**1.0339**	**49.129**	**1.0038**	**51.035**	**.48934**	**1.0534**	**51.710**	**.51969**
Stddev	.00025	.00143	.0027	.024	.0022	.112	.00099	.0021	.126	.00160
%RSD	.11783	.56989	.25967	.04862	.21417	.21895	.20246	.19632	.24454	.30833
#1	.21330	.25215	1.0358	49.112	1.0053	51.114	.49004	1.0549	51.799	.52082
#2	.21295	.25012	1.0320	49.146	1.0023	50.956	.48864	1.0520	51.620	.51856
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.599**	**.46742**	**-.00592**	**.51464**	**2.1304**	**10.472**	**22.410**	**2.0588**	**.99288**	**1.0051**
Stddev	.003	.00057	.00136	.00216	.0125	.036	.078	.0132	.00009	.0030
%RSD	.02466	.12297	23.048	.42047	.58731	.34749	.34749	.64096	.00911	.30084
#1	10.597	.46702	-.00495	.51311	2.1216	10.446	22.355	2.0495	.99294	1.0073
#2	10.601	.46783	-.00688	.51617	2.1393	10.498	22.465	2.0682	.99281	1.0030
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0293**	**1.9321**	F **3.3093**	**.48827**	**.50196**	**.48875**
Stddev	.0016	.0100	.0172	.00053	.00166	.00682
%RSD	.15726	.51601	.52034	.10944	.33154	1.3944
#1	1.0304	1.9251	3.2971	.48789	.50314	.48393
#2	1.0281	1.9392	3.3215	.48865	.50078	.49357
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.9**	**78060.**	**6614.1**
Stddev	4.6	253.	2.7
%RSD	.06750	.32384	.04029
#1	6876.6	77881.	6612.2
#2	6883.2	78238.	6615.9

Sample Name: 280-49105-c-1-f Acquired: 11/14/2013 23:21:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**.00900**	**-.00203**	**.23437**	**.58937**	**-.00002**	**.00111**	**2.5444**	**-.00023**	**-.00068**
Stddev	.00034	.00018	.00113	.00012	.00158	.00005	.00034	.0098	.00002	.00012
%RSD	37.584	2.0345	55.534	.05267	.26740	255.03	30.840	.38648	9.4829	17.219
#1	-.00115	.00887	-.00123	.23446	.58826	-.00005	.00086	2.5374	-.00025	-.00060
#2	-.00067	.00913	-.00283	.23429	.59049	.00001	.00135	2.5513	-.00022	-.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00030**	**.51416**	**3.3006**	**.13194**	**.60563**	**.00987**	**.00125**	W **560.22**	**.00083**
Stddev	.00007	.00090	.00616	.0855	.00013	.00595	.00000	.00042	.62	.00006
%RSD	50.854	302.02	1.1973	2.5892	.09748	.98170	.05003	33.509	.10994	7.5650
#1	.00018	-.00093	.50981	3.2402	.13203	.60142	.00987	.00096	560.66	.00079
#2	.00008	.00034	.51852	3.3611	.13185	.60983	.00988	.00155	559.79	.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04100**	**-.00179**	**.16347**	**.00160**	**-.00091**	**9.6845**	**20.725**	**-.00018**	**.51171**	**.00398**
Stddev	.00023	.00020	.00140	.00134	.00083	.0934	.200	.00057	.00112	.00112
%RSD	.56429	11.281	.85703	83.612	90.613	.96388	.96388	311.52	.21966	28.131
#1	.04083	-.00165	.16247	.00255	-.00150	9.6185	20.584	-.00059	.51092	.00319
#2	.04116	-.00193	.16446	.00065	-.00033	9.7505	20.866	.00022	.51250	.00478
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**.00142**	**-.04696**	**.00024**	**.00438**	**-.00138**
Stddev	.00048	.00175	.02983	.00027	.00009	.00026
%RSD	893.41	123.12	63.515	112.21	1.9730	18.624
#1	-.00039	.00266	-.06805	.00005	.00431	-.00120
#2	.00028	.00018	-.02587	.00043	.00444	-.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6673.0**	**74746.**	**6575.5**
Stddev	3.0	373.	80.0
%RSD	.04477	.49848	1.2164
#1	6675.1	74483.	6632.1
#2	6670.9	75010.	6519.0

Sample Name: 280-49105-c-1-fSD@5 Acquired: 11/14/2013 23:24:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00810**	**.00001**	**.04816**	**.11961**	**.00002**	**.00164**	**.50660**	**-.00002**	**-.00038**
Stddev	.00006	.00003	.00022	.00086	.00011	.00004	.00067	.00003	.00009	.00010
%RSD	6.3526	.43039	1492.5	1.7927	.08902	171.06	40.896	.00606	500.09	25.418
#1	-.00094	.00813	-.00014	.04877	.11953	.00000	.00212	.50663	-.00009	-.00031
#2	-.00086	.00808	.00017	.04755	.11968	.00005	.00117	.50658	.00005	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00033**	**.11060**	**.74645**	**.02518**	**.12567**	**.00210**	**.00002**	**111.54**	**.00023**
Stddev	.00011	.00069	.00024	.00620	.00188	.00008	.00001	.00007	.13	.00012
%RSD	96.223	210.31	.21446	.83079	7.4658	.06607	.31305	388.17	.11740	50.378
#1	.00004	-.00082	.11043	.74207	.02651	.12573	.00211	-.00003	111.44	.00015
#2	.00019	.00016	.11077	.75084	.02385	.12561	.00210	.00007	111.63	.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**-.00052**	**.03527**	**.00058**	**-.00273**	**1.9132**	**4.0942**	**.00111**	**.10293**	**.00286**
Stddev	.00020	.00078	.00191	.00025	.00119	.0130	.0278	.00004	.00134	.00114
%RSD	2.6392	150.74	5.4237	42.392	43.655	.68006	.68006	3.4714	1.3031	39.920
#1	.00753	-.00107	.03662	.00041	-.00358	1.9040	4.0745	.00108	.10198	.00205
#2	.00781	.00003	.03392	.00076	-.00189	1.9224	4.1139	.00114	.10388	.00367
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00007**	**.00107**	**-.02129**	**.00048**	**.00538**	**-.00057**
Stddev	.00017	.00050	.03253	.00003	.00005	.00090
%RSD	238.45	46.923	152.82	6.7943	.89337	157.22
#1	.00005	.00142	.00171	.00050	.00534	.00006
#2	-.00019	.00071	-.04429	.00045	.00541	-.00120
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6918.6**	**78301.**	**6609.0**
Stddev	13.7	186.	37.3
%RSD	.19821	.23788	.56493
#1	6908.9	78169.	6635.4
#2	6928.3	78432.	6582.6

Sample Name: 280-49105-c-1-g ms Acquired: 11/14/2013 23:26:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05398**	**1.9590**	**1.0910**	**1.3082**	**2.6471**	**.04810**	F **2.1643**	**48.620**	**.10066**	**.48712**
Stddev	.00026	.0058	.0008	.0017	.0030	.00024	.0020	.021	.00014	.00134
%RSD	.47285	.29809	.07445	.12687	.11399	.49677	.09187	.04286	.14099	.27539
#1	.05416	1.9631	1.0904	1.3070	2.6450	.04794	2.1657	48.605	.10076	.48807
#2	.05380	1.9549	1.0915	1.3094	2.6493	.04827	2.1629	48.635	.10056	.48617
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21427**	**.25592**	**1.5516**	**55.108**	**1.1680**	**50.407**	**.50336**	**1.0672**	W **619.27**	**.52005**
Stddev	.00030	.00109	.0069	.199	.0055	.008	.00039	.0014	1.92	.00002
%RSD	.13921	.42612	.44210	.36087	.46998	.01530	.07659	.13188	.31078	.00292
#1	.21406	.25515	1.5467	54.968	1.1642	50.412	.50309	1.0682	617.90	.52004
#2	.21448	.25669	1.5564	55.249	1.1719	50.402	.50363	1.0662	620.63	.52006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.102**	**.45348**	**.14207**	**.53070**	**2.2107**	**20.383**	**43.620**	W **2.0620**	**1.5195**	**1.0248**
Stddev	.004	.00254	.00334	.00164	.0052	.189	.404	.0051	.0033	.0061
%RSD	.03748	.56094	2.3537	.30846	.23552	.92702	.92702	.24653	.21810	.59324
#1	11.100	.45528	.13970	.52954	2.2071	20.249	43.334	2.0584	1.5172	1.0205
#2	11.105	.45168	.14443	.53186	2.2144	20.517	43.906	2.0656	1.5219	1.0291
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0487**	**1.7935**	**3.2644**	**.49506**	**.51507**	**.49135**
Stddev	.0001	.0004	.0613	.00002	.00023	.00208
%RSD	.01256	.02525	1.8767	.00468	.04488	.42413
#1	1.0488	1.7938	3.3077	.49505	.51491	.48988
#2	1.0486	1.7932	3.2211	.49508	.51524	.49282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6667.8**	**74506.**	**6730.6**
Stddev	18.2	210.	29.3
%RSD	.27367	.28121	.43473
#1	6654.9	74358.	6709.9
#2	6680.7	74654.	6751.3

Sample Name: 280-49105-c-1-h msd Acquired: 11/14/2013 23:28:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05159**	**1.8948**	**1.0431**	**1.2498**	**2.5336**	**.04598**	F **2.0635**	**46.594**	**.09573**	**.46663**
Stddev	.00013	.0074	.0001	.0005	.0043	.00000	.0017	.031	.00030	.00028
%RSD	.25311	.38914	.00846	.04024	.17030	.00880	.08042	.06695	.31412	.05964
#1	.05150	1.9000	1.0430	1.2502	2.5306	.04598	2.0647	46.616	.09551	.46683
#2	.05168	1.8896	1.0431	1.2495	2.5367	.04598	2.0624	46.572	.09594	.46643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20516**	**.24469**	**1.4911**	**52.974**	**1.1225**	**48.453**	**.48161**	**1.0214**	W **596.22**	**.49978**
Stddev	.00080	.00004	.0031	.193	.0014	.029	.00017	.0020	.83	.00142
%RSD	.39091	.01549	.20980	.36384	.12356	.06018	.03532	.19597	.13963	.28451
#1	.20573	.24467	1.4933	52.838	1.1215	48.474	.48173	1.0228	595.63	.50079
#2	.20460	.24472	1.4889	53.110	1.1234	48.433	.48149	1.0200	596.81	.49878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.614**	**.43519**	**.13625**	**.50378**	**2.0993**	**19.485**	**41.698**	**1.9741**	**1.4554**	**.98032**
Stddev	.010	.00060	.00115	.00456	.0009	.052	.110	.0062	.0007	.00053
%RSD	.09464	.13780	.84685	.90500	.04417	.26437	.26437	.31441	.04630	.05412
#1	10.621	.43476	.13707	.50701	2.0986	19.521	41.776	1.9785	1.4549	.98070
#2	10.607	.43561	.13543	.50056	2.0999	19.448	41.620	1.9698	1.4558	.97995
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0018**	**1.7302**	**3.1433**	**.47621**	**.50005**	**.46507**
Stddev	.0005	.0076	.0183	.00179	.00004	.00354
%RSD	.04641	.43669	.58175	.37543	.00723	.76021
#1	1.0015	1.7355	3.1562	.47495	.50008	.46757
#2	1.0022	1.7248	3.1303	.47748	.50003	.46257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6527.4**	**73469.**	**6556.4**
Stddev	6.7	5.	14.7
%RSD	.10274	.00710	.22431
#1	6522.6	73466.	6566.8
#2	6532.1	73473.	6546.0

Sample Name: 280-49105-c-2-d Acquired: 11/14/2013 23:30:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00143**	**.01293**	**-.00230**	**.23404**	**.48515**	**.00001**	**.00065**	**3.4428**	**-.00011**	**-.00044**
Stddev	.00025	.00003	.00074	.00001	.00121	.00004	.00082	.0401	.00000	.00012
%RSD	17.297	.19352	32.126	.00420	.24843	669.80	126.29	1.1656	.69465	28.212
#1	-.00126	.01292	-.00178	.23405	.48600	.00004	.00007	3.4712	-.00011	-.00053
#2	-.00161	.01295	-.00283	.23404	.48430	-.00002	.00124	3.4144	-.00011	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00016**	**.17116**	**3.5530**	**.13578**	**.82388**	**.00667**	**.00131**	W **588.24**	**.00041**
Stddev	.00004	.00034	.00226	.0076	.00210	.00151	.00007	.00012	.80	.00038
%RSD	18.424	204.54	1.3229	.21407	1.5435	.18286	.99652	9.0289	.13541	92.972
#1	.00021	.00040	.17276	3.5476	.13726	.82282	.00672	.00140	587.67	.00014
#2	.00027	-.00007	.16956	3.5584	.13430	.82495	.00662	.00123	588.80	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01755**	**-.00055**	**.20768**	**-.00123**	**.00034**	**8.4718**	**18.130**	**-.00051**	**.54922**	**.00290**
Stddev	.00006	.00149	.00277	.00156	.00123	.1431	.306	.00048	.00057	.00074
%RSD	.34535	271.39	1.3332	127.07	362.01	1.6887	1.6887	94.445	.10344	25.385
#1	.01759	-.00161	.20572	-.00234	-.00053	8.5730	18.346	-.00085	.54882	.00238
#2	.01750	.00051	.20964	-.00012	.00121	8.3707	17.913	-.00017	.54963	.00342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00069**	**.00148**	**-.02971**	**.00066**	**.00776**	**-.00063**
Stddev	.00017	.00106	.02870	.00021	.00027	.00011
%RSD	24.247	71.516	96.608	31.693	3.5007	18.058
#1	.00057	.00222	-.05000	.00051	.00756	-.00055
#2	.00081	.00073	-.00941	.00081	.00795	-.00071
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6639.4**	**74350.**	**6567.1**
Stddev	11.7	214.	44.8
%RSD	.17564	.28758	.68281
#1	6631.1	74199.	6535.4
#2	6647.6	74501.	6598.8

Sample Name: CCVH-2372891 Acquired: 11/14/2013 23:33:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00714**	**48.648**	**-.00200**	**.00292**	**.00056**	**.00000**	W **1.0680**	**.02235**	**.00072**	**-.00100**	**.00026**	**-.00672**
Stddev	.00020	.172	.00052	.00107	.00003	.00005	.0055	.00176	.00007	.00036	.00001	.00006
%RSD	2.7910	.35377	26.212	36.585	5.3536	1126.2	.51594	7.8893	9.9323	36.329	5.2466	.93570
#1	-.00700	48.770	-.00237	.00216	.00054	.00004	1.0719	.02111	.00077	-.00126	.00027	-.00676
#2	-.00728	48.526	-.00163	.00368	.00058	-.00003	1.0641	.02360	.00067	-.00074	.00025	-.00667
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.925**	**.34093**	**.00220**	**.05661**	**-.00019**	**.00030**	**251.19**	**-.00091**	**.00436**	**-.00246**	**5.0773**	**.00150**
Stddev	.005	.04425	.00069	.00443	.00004	.00003	.46	.00037	.00113	.00099	.0221	.00060
%RSD	.00927	12.979	31.450	7.8225	19.018	10.177	.18128	40.251	25.903	40.144	.43563	40.137
#1	50.922	.37222	.00269	.05974	-.00017	.00032	251.51	-.00065	.00356	-.00176	5.0930	.00193
#2	50.929	.30964	.00171	.05348	-.00022	.00028	250.87	-.00117	.00516	-.00316	5.0617	.00107
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00652**	**.02973**	**.06362**	**-.00004**	**.00003**	**5.0486**	**.01278**	**.00294**	F **8.1173**	**.00088**	**.00257**	**-.07481**
Stddev	.00586	.00803	.01719	.00034	.00003	.0272	.00029	.00009	.0198	.00017	.00031	.00155
%RSD	89.902	27.019	27.019	885.64	98.093	.53960	2.3081	2.9573	.24361	19.461	11.916	2.0705
#1	-.01066	.03541	.07577	-.00028	.00006	5.0679	.01257	.00288	8.1313	.00100	.00235	-.07372
#2	-.00237	.02405	.05146	.00020	.00001	5.0293	.01299	.00300	8.1033	.00076	.00278	-.07591
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6872.2**	**77116.**	**6573.5**
Stddev	16.3	250.	16.8
%RSD	.23729	.32474	.25496
#1	6860.7	76939.	6585.4
#2	6883.7	77293.	6561.7

Sample Name: CCV-2372889 Acquired: 11/14/2013 23:35:43 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54021**	**.52938**	**1.0442**	**.52566**	**.50434**	**.47220**	**-.00867**	**4.6569**	**.48496**	**.50079**	**.53235**	**.50377**	**2.6156**
Stddev	.00017	.00085	.0037	.00199	.00121	.00061	.00170	.0573	.00076	.00052	.00007	.00099	.0051
%RSD	.03226	.16089	.35496	.37833	.24019	.12933	19.547	1.2309	.15671	.10373	.01260	.19583	.19536
#1	.54008	.52998	1.0469	.52425	.50348	.47177	-.00987	4.6163	.48443	.50116	.53240	.50446	2.6192
#2	.54033	.52877	1.0416	.52706	.50520	.47263	-.00747	4.6974	.48550	.50042	.53230	.50307	2.6119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.810**	**.98470**	**20.315**	**.49326**	**.52467**	**5.4155**	**.53910**	**1.0427**	**.96349**	**-.00242**	**1.0261**	**1.0654**	**5.1183**
Stddev	.067	.00081	.095	.00122	.00024	.0496	.00492	.0031	.00030	.00068	.0022	.0027	.0249
%RSD	.13910	.08186	.46550	.24738	.04642	.91517	.91277	.30128	.03154	28.305	.21079	.25300	.48577
#1	47.857	.98527	20.248	.49239	.52450	5.4505	.53562	1.0450	.96371	-.00290	1.0246	1.0635	5.1007
#2	47.763	.98413	20.382	.49412	.52484	5.3804	.54258	1.0405	.96328	-.00194	1.0276	1.0673	5.1359
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.953**	**1.0390**	**.49142**	**.00306**	**.50471**	**1.0043**	**.01358**	**.48035**	**.50391**	**.49041**
Stddev	.053	.0028	.00021	.00133	.00056	.0019	.00919	.00051	.00190	.00375
%RSD	.48577	.26740	.04183	43.517	.11169	.19193	67.701	.10696	.37618	.76491
#1	10.916	1.0410	.49156	.00400	.50511	1.0029	.00708	.47998	.50257	.48775
#2	10.991	1.0370	.49127	.00212	.50431	1.0056	.02008	.48071	.50525	.49306
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.3**	**79823.**	**6683.9**
Stddev	17.8	319.	29.6
%RSD	.25251	.39920	.44359
#1	7020.8	80048.	6663.0
#2	7045.9	79598.	6704.9

Sample Name: CCB Acquired: 11/14/2013 23:37:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00153**	**.00030**	**-.00148**	**.00334**	**.00050**	**.00008**	**.00169**	**.00102**	**-.00027**	**-.00023**	**-.00002**
Stddev	.00044	.00069	.00387	.00003	.00009	.00007	.00020	.00095	.00013	.00003	.00001
%RSD	28.993	229.03	261.61	.87323	18.893	83.359	11.798	93.018	48.691	14.863	52.736
#1	-.00184	-.00019	.00126	.00332	.00056	.00012	.00155	.00169	-.00018	-.00020	-.00003
#2	-.00121	.00079	-.00421	.00336	.00043	.00003	.00183	.00035	-.00037	-.00025	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00075**	**-.00208**	**.17996**	W **.00403**	**.00315**	**.00002**	**.00047**	F **.35990**	**-.00024**	**.00068**	**.00041**
Stddev	.00066	.00135	.00474	.00046	.00019	.00005	.00019	.01386	.00065	.00012	.00018
%RSD	88.893	64.834	2.6335	11.300	5.9372	209.48	40.169	3.8500	267.95	17.957	44.694
#1	-.00122	-.00113	.17661	.00371	.00302	-.00001	.00060	.35010	-.00070	.00059	.00028
#2	-.00028	-.00303	.18331	.00435	.00328	.00006	.00034	.36970	.00022	.00076	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.18320			
Low Limit				-.00261				-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	W **.00585**	**-.00026**	**.00517**	**.01107**	**-.00104**	**-.00006**	**.00219**	**-.00011**	**.00081**	**-.03032**
Stddev	.00159	.00121	.00179	.00261	.00559	.00024	.00009	.00166	.00002	.00141	.04070
%RSD	103.53	20.712	699.18	50.525	50.525	22.909	150.93	75.490	18.417	173.82	134.22
#1	.00265	.00671	.00101	.00702	.01503	-.00121	.00000	.00102	-.00009	-.00019	-.00154
#2	.00041	.00500	-.00152	.00333	.00712	-.00087	-.00013	.00336	-.00012	.00181	-.05910
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00037**	**.00347**	**-.00168**
Stddev	.00045	.00047	.00051
%RSD	120.91	13.611	30.227
#1	-.00069	.00314	-.00132
#2	-.00005	.00380	-.00204
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7050.4**	**80533.**	**6669.4**
Stddev	4.6	62.	47.3
%RSD	.06585	.07637	.70906
#1	7053.7	80490.	6636.0
#2	7047.1	80577.	6702.9

Sample Name: CCVL2379751 Acquired: 11/14/2013 23:40:12 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00956**	F **.13495**	**.01481**	**.10625**	**.01040**	**.00098**	**.11693**	**.19541**	**.00484**	**.01059**	**.01096**	**.01384**	**.10641**
Stddev	.00003	.02057	.00156	.00058	.00007	.00006	.00152	.00123	.00021	.00053	.00032	.00052	.00164
%RSD	.28091	15.246	10.530	.55012	.68376	6.3308	1.3000	.62818	4.3168	4.9939	2.9039	3.7365	1.5443
#1	.00957	.14950	.01371	.10666	.01035	.00102	.11801	.19627	.00498	.01096	.01119	.01420	.10757
#2	.00954	.12041	.01592	.10583	.01045	.00094	.11586	.19454	.00469	.01021	.01073	.01347	.10525
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000											
Range		30.000%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9627**	**.01281**	**.21667**	**.01016**	**.02100**	F **1.3622**	**.04415**	**3.0628**	**.00842**	**.01005**	**.01141**	**.01834**	**.49958**
Stddev	.0233	.00122	.00017	.00009	.00091	.0149	.00020	.0038	.00107	.00849	.00069	.00142	.00008
%RSD	.78528	9.5451	.07684	.89102	4.3392	1.0962	.44401	.12378	12.702	84.445	6.0482	7.7635	.01592
#1	2.9792	.01194	.21678	.01010	.02165	1.3728	.04401	3.0601	.00917	.01605	.01190	.01935	.49963
#2	2.9462	.01367	.21655	.01023	.02036	1.3517	.04429	3.0655	.00766	.00405	.01093	.01733	.49952
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0691**	**.10751**	**.00978**	**.01868**	**.01018**	**.01757**	**.07409**	**.00994**	**.02502**	**.01310**
Stddev	.0002	.00053	.00005	.00087	.00009	.00050	.01423	.00045	.00015	.00063
%RSD	.01592	.49675	.54776	4.6707	.85457	2.8191	19.205	4.5191	.61465	4.8273
#1	1.0692	.10789	.00982	.01930	.01024	.01722	.06403	.01026	.02491	.01354
#2	1.0690	.10713	.00974	.01807	.01011	.01792	.08415	.00962	.02513	.01265
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7170.9**	**81439.**	**6840.9**
Stddev	22.5	408.	10.9
%RSD	.31422	.50108	.15921
#1	7186.8	81151.	6833.2
#2	7154.9	81728.	6848.6

Sample Name: 280-49105-c-3-d Acquired: 11/14/2013 23:42:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**.01378**	**-.00137**	**.23538**	**.49765**	**.00004**	**-.00033**	**3.4666**	**-.00008**	**-.00059**
Stddev	.00033	.00002	.00096	.00078	.00159	.00005	.00255	.0429	.00009	.00004
%RSD	23.018	.16479	70.116	.33176	.31953	150.25	766.75	1.2378	120.62	6.1824
#1	-.00165	.01376	-.00069	.23593	.49877	.00000	.00147	3.4969	-.00001	-.00062
#2	-.00119	.01379	-.00205	.23483	.49653	.00007	-.00214	3.4362	-.00014	-.00057
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**.00065**	**.16804**	**3.3465**	**.13678**	**.82531**	**.00685**	**.00086**	W **599.99**	**.00061**
Stddev	.00015	.00024	.00346	.0165	.00295	.00189	.00009	.00005	.94	.00033
%RSD	64.701	37.072	2.0577	.49335	2.1531	.22886	1.3617	6.1860	.15669	53.860
#1	.00034	.00082	.17048	3.3348	.13887	.82398	.00678	.00090	600.66	.00038
#2	.00013	.00048	.16559	3.3581	.13470	.82665	.00691	.00082	599.33	.00084
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02008**	**-.00085**	**.19690**	**-.00016**	**-.00117**	**8.6693**	**18.552**	**-.00053**	**.56225**	**.00289**
Stddev	.00219	.00076	.00212	.00065	.00187	.1238	.265	.00011	.00064	.00073
%RSD	10.910	88.867	1.0771	399.95	159.31	1.4282	1.4282	21.332	.11335	25.203
#1	.02162	-.00032	.19540	-.00062	-.00249	8.7569	18.740	-.00061	.56270	.00340
#2	.01853	-.00139	.19840	.00030	.00015	8.5817	18.365	-.00045	.56180	.00237
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00037**	**.00156**	**-.02965**	**.00042**	**.00551**	**-.00062**
Stddev	.00035	.00017	.05743	.00039	.00035	.00037
%RSD	94.717	10.989	193.73	93.475	6.2763	59.405
#1	.00062	.00169	-.07026	.00014	.00527	-.00089
#2	.00012	.00144	.01097	.00070	.00576	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6580.1**	**73703.**	**6600.7**
Stddev	6.4	21.	109.3
%RSD	.09777	.02884	1.6564
#1	6575.6	73688.	6523.3
#2	6584.7	73719.	6678.0

Sample Name: 280-49105-c-4-d Acquired: 11/14/2013 23:45:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00110**	**.03495**	**-.00115**	**.21554**	**.10810**	**-.00004**	**.00344**	**6.4682**	**-.00018**	**-.00028**
Stddev	.00025	.00018	.00209	.00225	.00016	.00003	.00234	.0156	.00008	.00004
%RSD	22.836	.51339	181.35	1.0459	.14978	74.930	68.140	.24162	44.583	13.238
#1	-.00128	.03482	.00033	.21713	.10798	-.00005	.00178	6.4792	-.00012	-.00030
#2	-.00092	.03508	-.00263	.21394	.10821	-.00002	.00510	6.4571	-.00023	-.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**.00194**	**.05977**	**3.5656**	**.12250**	**1.8257**	**.00164**	**.00108**	W **587.16**	**.00084**
Stddev	.00000	.00001	.00647	.1050	.00094	.0066	.00004	.00006	2.03	.00002
%RSD	.43453	.73777	10.829	2.9459	.76981	.36356	2.4452	5.6605	.34582	2.3404
#1	.00035	.00195	.05520	3.4913	.12184	1.8211	.00161	.00112	588.59	.00086
#2	.00035	.00193	.06435	3.6398	.12317	1.8304	.00167	.00103	585.72	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.10665**	**-.00078**	**.23937**	**.00079**	**.00358**	**6.9757**	**14.928**	**-.00093**	**.32133**	**.00224**
Stddev	.00066	.00010	.00017	.00076	.00399	.0512	.110	.00001	.00129	.00039
%RSD	.61610	13.486	.07047	95.760	111.54	.73350	.73350	1.3424	.40026	17.641
#1	.10618	-.00070	.23926	.00026	.00640	6.9395	14.851	-.00092	.32224	.00196
#2	.10711	-.00085	.23949	.00133	.00076	7.0119	15.005	-.00094	.32042	.00251
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00080**	**.00128**	**-.02371**	**.00227**	**.00546**	**.00023**
Stddev	.00027	.00001	.03171	.00010	.00073	.00044
%RSD	33.564	.56397	133.75	4.2124	13.423	188.57
#1	.00061	.00127	-.00129	.00234	.00494	-.00008
#2	.00099	.00128	-.04613	.00220	.00598	.00054
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6582.6**	**73338.**	**6558.5**
Stddev	2.9	320.	16.5
%RSD	.04425	.43674	.25184
#1	6584.7	73564.	6570.2
#2	6580.5	73111.	6546.9

Sample Name: 280-49105-c-5-d Acquired: 11/14/2013 23:47:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00165**	**.00244**	**-.00011**	**.02204**	**.14360**	**.00001**	**.00131**	**201.50**	**.00068**	**.00015**
Stddev	.00032	.00011	.00351	.00111	.00186	.00001	.00204	.35	.00009	.00000
%RSD	19.191	4.4105	3240.5	5.0266	1.2931	216.01	155.98	.17472	13.669	.44885
#1	-.00188	.00237	-.00259	.02282	.14229	.00000	-.00013	201.75	.00075	.00015
#2	-.00143	.00252	.00237	.02126	.14491	.00001	.00275	201.25	.00062	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**-.00043**	**.09237**	**1.8989**	**.00965**	**50.901**	**.00446**	**.00092**	**77.878**	**.00073**
Stddev	.00004	.00003	.00203	.0474	.00019	.017	.00005	.00001	.935	.00031
%RSD	21.742	6.8278	2.1936	2.4959	1.9406	.03406	1.0561	.95703	1.2009	42.269
#1	.00023	-.00045	.09380	1.8654	.00978	50.913	.00449	.00093	77.217	.00051
#2	.00017	-.00041	.09093	1.9324	.00952	50.888	.00442	.00091	78.540	.00095
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01943**	**-.00114**	**7.3800**	**-.00005**	**.00115**	**6.9781**	**14.933**	**-.00065**	**3.2315**	**.00342**
Stddev	.00033	.00049	.0299	.00042	.00110	.0351	.075	.00003	.0065	.00200
%RSD	1.7226	42.692	.40542	780.73	96.129	.50347	.50347	4.8312	.20013	58.478
#1	.01966	-.00149	7.4012	.00024	.00193	6.9533	14.880	-.00067	3.2361	.00484
#2	.01919	-.00080	7.3589	-.00035	.00037	7.0030	14.986	-.00063	3.2269	.00201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.00126**	**-.04988**	**.00105**	**.00388**	**.00018**
Stddev	.00029	.00046	.06594	.00033	.00048	.00004
%RSD	54.324	36.676	132.20	31.049	12.476	21.693
#1	-.00033	.00159	-.09651	.00082	.00422	.00021
#2	-.00075	.00094	-.00325	.00128	.00354	.00015
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6636.2**	**74977.**	**6465.1**
Stddev	13.9	108.	3.4
%RSD	.20918	.14435	.05269
#1	6626.4	75054.	6462.7
#2	6646.0	74901.	6467.6

Sample Name: 280-49105-c-6-d Acquired: 11/14/2013 23:49:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00087**	**.00342**	**-.00099**	**.02109**	**.13526**	**.00009**	**.00256**	**178.37**	**.00073**	**.00025**
Stddev	.00062	.00090	.00164	.00020	.00028	.00002	.00268	.10	.00001	.00027
%RSD	71.329	26.297	164.99	.94388	.20694	26.091	104.79	.05845	1.3324	106.39
#1	-.00043	.00279	-.00215	.02095	.13506	.00011	.00446	178.45	.00073	.00006
#2	-.00130	.00406	.00017	.02124	.13546	.00007	.00066	178.30	.00074	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**.00031**	**.34057**	**1.5654**	**.00635**	**47.239**	**.07856**	**.00167**	**81.978**	**.00070**
Stddev	.00005	.00055	.00455	.0166	.00048	.002	.00034	.00024	.282	.00005
%RSD	38.485	175.84	1.3358	1.0591	7.5102	.00370	.42692	14.543	.34412	6.8567
#1	.00018	.00070	.34379	1.5771	.00668	47.238	.07879	.00184	81.779	.00074
#2	.00010	-.00008	.33736	1.5537	.00601	47.241	.07832	.00150	82.178	.00067
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00929**	**-.00089**	**8.4644**	**-.00076**	**-.00018**	**6.6750**	**14.285**	**-.00122**	**2.9963**	**.00439**
Stddev	.00266	.00037	.0149	.00240	.00029	.0464	.099	.00033	.0082	.00152
%RSD	28.622	41.834	.17543	316.41	163.34	.69465	.69465	26.883	.27308	34.586
#1	.00741	-.00062	8.4539	.00094	.00003	6.7078	14.355	-.00099	2.9905	.00332
#2	.01117	-.00115	8.4749	-.00246	-.00039	6.6422	14.214	-.00145	3.0021	.00547
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00057**	**-.02074**	**.00103**	**.01176**	**.00043**
Stddev	.00019	.00079	.00954	.00062	.00009	.00054
%RSD	57.368	137.32	45.972	60.161	.75942	124.41
#1	-.00047	.00002	-.02749	.00147	.01170	.00081
#2	-.00020	.00113	-.01400	.00059	.01182	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6716.6**	**76506.**	**6573.2**
Stddev	43.1	202.	71.2
%RSD	.64104	.26399	1.0827
#1	6747.0	76364.	6522.8
#2	6686.1	76649.	6623.5

Sample Name: 280-49105-c-7-d Acquired: 11/14/2013 23:52:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00060**	**.00237**	**-.00059**	**.01943**	**.09030**	**.00001**	**.00261**	**106.99**	**.00048**	**-.00023**
Stddev	.00011	.00003	.00145	.00018	.00070	.00011	.00095	.32	.00010	.00007
%RSD	18.192	1.3977	246.59	.90729	.77453	1617.7	36.264	.30319	21.619	31.204
#1	-.00068	.00234	.00044	.01931	.08980	-.00007	.00194	106.76	.00041	-.00028
#2	-.00052	.00239	-.00162	.01955	.09079	.00008	.00328	107.22	.00056	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00042**	**.03544**	**1.3433**	**.00685**	**30.569**	**.04571**	**-.00001**	**48.994**	**.00025**
Stddev	.00006	.00007	.00329	.0021	.00196	.010	.00004	.00004	.934	.00050
%RSD	35.392	15.571	9.2756	.15464	28.632	.03132	.08770	275.85	1.9061	197.81
#1	.00020	.00047	.03312	1.3418	.00546	30.576	.04574	.00001	48.333	-.00010
#2	.00012	.00037	.03777	1.3447	.00824	30.562	.04568	-.00004	49.654	.00060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00798**	**-.00110**	**22.674**	**.00188**	**-.00067**	**6.1216**	**13.100**	**-.00061**	**2.0050**	**.00177**
Stddev	.00153	.00101	.006	.00060	.00001	.0221	.047	.00074	.0046	.00128
%RSD	19.231	91.462	.02483	31.879	.94797	.36124	.36124	122.48	.22780	72.564
#1	.00906	-.00039	22.670	.00146	-.00067	6.1059	13.067	-.00113	2.0017	.00086
#2	.00689	-.00181	22.678	.00231	-.00066	6.1372	13.134	-.00008	2.0082	.00268
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00030**	**.00124**	**-.03190**	**.00015**	**.00522**	**-.00020**
Stddev	.00014	.00049	.01428	.00003	.00026	.00052
%RSD	46.398	39.225	44.772	18.397	4.9240	262.89
#1	-.00020	.00158	-.04200	.00017	.00504	-.00056
#2	-.00039	.00090	-.02180	.00013	.00540	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6841.1**	**77303.**	**6563.4**
Stddev	25.1	363.	14.1
%RSD	.36649	.46933	.21524
#1	6823.4	77046.	6573.4
#2	6858.8	77559.	6553.4

Sample Name: 280-49092-b-1-b Acquired: 11/14/2013 23:54:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00102**	**.00462**	**.00739**	**.15081**	**.05123**	**.00002**	**-.00031**	**62.678**	**.00035**	**-.00024**
Stddev	.00059	.00029	.00045	.00010	.00015	.00005	.00014	.237	.00004	.00007
%RSD	57.761	6.3667	6.1487	.06367	.30106	264.36	46.582	.37746	10.879	29.045
#1	-.00061	.00441	.00707	.15088	.05134	.00005	-.00041	62.846	.00032	-.00029
#2	-.00144	.00482	.00771	.15074	.05112	-.00002	-.00021	62.511	.00037	-.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00235**	**.00384**	**.01264**	**8.2555**	**.01784**	**11.076**	**.02302**	**.00443**	**76.156**	**.04622**
Stddev	.00012	.00007	.00149	.0239	.00203	.029	.00010	.00002	.026	.00032
%RSD	5.1835	1.6951	11.793	.28913	11.352	.26129	.43297	.48521	.03410	.70261
#1	.00243	.00388	.01158	8.2723	.01928	11.096	.02309	.00442	76.174	.04599
#2	.00226	.00379	.01369	8.2386	.01641	11.055	.02295	.00445	76.137	.04645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8208**	**-.00087**	**32.164**	**-.00019**	**-.00079**	**19.208**	**41.104**	**-.00036**	**.39114**	**.00176**
Stddev	.0017	.00084	.049	.00246	.00103	.089	.190	.00055	.00143	.00067
%RSD	.09510	96.653	.15141	1267.3	130.94	.46149	.46149	153.88	.36470	37.895
#1	1.8221	-.00147	32.129	-.00193	-.00006	19.145	40.970	.00003	.39214	.00223
#2	1.8196	-.00028	32.198	.00155	-.00152	19.270	41.238	-.00075	.39013	.00129
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00014**	**.00067**	**-.03622**	**.00464**	**.01431**	**.00014**
Stddev	.00014	.00105	.01609	.00034	.00038	.00051
%RSD	102.65	157.38	44.416	7.3272	2.6839	366.84
#1	-.00004	.00141	-.04759	.00488	.01458	.00050
#2	-.00023	-.00008	-.02484	.00440	.01404	-.00022
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6959.3**	**79034.**	**6764.5**
Stddev	5.7	39.	5.0
%RSD	.08179	.04879	.07402
#1	6955.3	79007.	6761.0
#2	6963.3	79061.	6768.1

Sample Name: 280-49110-h-1-a Acquired: 11/14/2013 23:56:54 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00117**	**.01309**	**-.00097**	**.11383**	**.15394**	**-.00001**	**.00147**	**22.584**	**.00013**	**-.00042**
Stddev	.00028	.00030	.00169	.00113	.00034	.00001	.00287	.015	.00004	.00011
%RSD	24.420	2.3170	174.96	.99538	.21835	181.30	195.02	.06451	29.717	26.775
#1	-.00137	.01331	.00023	.11303	.15417	-.00002	.00350	22.595	.00011	-.00034
#2	-.00097	.01288	-.00216	.11464	.15370	.00000	-.00056	22.574	.00016	-.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00072**	**.29864**	**2.4071**	**.02639**	**13.920**	**.15757**	**.00910**	**135.65**	**.00026**
Stddev	.00009	.00028	.00185	.0104	.00032	.007	.00031	.00003	.35	.00027
%RSD	29.164	39.482	.61976	.43135	1.2205	.04972	.19586	.31156	.26090	107.28
#1	.00024	-.00092	.29733	2.4144	.02616	13.915	.15779	.00912	135.90	.00006
#2	.00036	-.00052	.29995	2.3998	.02661	13.924	.15735	.00908	135.40	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15665**	**-.00115**	**11.023**	**.00227**	**.00019**	**10.608**	**22.700**	**.00100**	**.21805**	**.00156**
Stddev	.00120	.00053	.033	.00094	.00007	.017	.036	.00070	.00001	.00111
%RSD	.76452	45.661	.30025	41.562	39.255	.16076	.16076	69.869	.00516	71.160
#1	.15750	-.00078	10.999	.00160	.00014	10.596	22.675	.00149	.21804	.00077
#2	.15581	-.00152	11.046	.00294	.00024	10.620	22.726	.00050	.21805	.00234
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**.00156**	**-.02647**	**.00025**	**.00762**	**.00086**
Stddev	.00029	.00022	.00452	.00047	.00001	.00114
%RSD	99.178	14.328	17.077	188.26	.07202	133.29
#1	.00009	.00172	-.02967	.00058	.00761	.00167
#2	.00050	.00140	-.02328	-.00008	.00762	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6895.6**	**78277.**	**6836.7**
Stddev	29.1	228.	39.5
%RSD	.42267	.29163	.57791
#1	6875.0	78115.	6808.8
#2	6916.2	78438.	6864.7

Sample Name: 280-49110-h-2-a Acquired: 11/14/2013 23:59:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200660 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00332**	**-.00114**	**.11529**	**.21582**	**.00000**	**.00152**	**20.203**	**.00005**	**-.00047**
Stddev	.00013	.00013	.00383	.00010	.00034	.0001	.00030	.016	.00006	.00005
%RSD	13.680	3.8802	335.93	.09038	.15638	4909.7	19.831	.08151	114.18	10.982
#1	-.00083	.00323	-.00385	.11522	.21558	-.00004	.00173	20.215	.00001	-.00051
#2	-.00101	.00341	.00157	.11537	.21605	.00003	.00131	20.191	.00009	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00057**	**.15387**	**3.5223**	**.02654**	**11.147**	**.14375**	**.00810**	**133.86**	**-.00010**
Stddev	.00001	.00012	.00110	.0194	.00088	.046	.00045	.00005	.35	.00005
%RSD	8.4341	20.588	.71228	.55226	3.3218	.40880	.31006	.56706	.26408	51.006
#1	.00016	-.00049	.15310	3.5360	.02717	11.179	.14407	.00813	133.61	-.00013
#2	.00014	-.00066	.15465	3.5085	.02592	11.115	.14344	.00807	134.11	-.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15481**	**-.00166**	**7.4436**	**.00096**	**-.00259**	**10.143**	**21.706**	**-.00036**	**.20890**	**.00342**
Stddev	.00079	.00071	.0264	.00332	.00034	.064	.136	.00009	.00001	.00212
%RSD	.51320	42.604	.35419	347.08	13.219	.62782	.62782	25.103	.00380	62.024
#1	.15425	-.00116	7.4249	.00331	-.00283	10.098	21.609	-.00042	.20890	.00192
#2	.15538	-.00217	7.4622	-.00139	-.00235	10.188	21.802	-.00030	.20891	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00015**	**.00057**	W **-.05594**	**-.00010**	**.00601**	**-.00214**
Stddev	.00033	.00086	.01387	.00016	.00041	.00160
%RSD	217.14	151.49	24.784	156.78	6.8915	74.994
#1	-.00038	.00118	-.04614	-.00022	.00630	-.00100
#2	.00008	-.00004	-.06575	.00001	.00572	-.00327
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6865.2**	**77999.**	**6749.8**
Stddev	11.5	48.	30.6
%RSD	.16686	.06095	.45407
#1	6857.1	77966.	6771.5
#2	6873.3	78033.	6728.1

Sample Name: CCVH-2372891 Acquired: 11/15/2013 0:01:37 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00667**	**48.511**	**-.00181**	**.00101**	**.00038**	**.00000**	W **1.0520**	**.03654**	**.00076**	**-.00121**	**.00042**	**-.00683**
Stddev	.00057	.201	.00009	.00011	.00027	.00003	.0073	.00122	.00009	.00021	.00001	.00000
%RSD	8.5698	.41352	4.7292	11.208	70.157	986.09	.68880	3.3402	11.747	17.649	2.2697	.06766
#1	-.00707	48.369	-.00175	.00093	.00019	-.00002	1.0469	.03740	.00070	-.00136	.00042	-.00684
#2	-.00627	48.653	-.00187	.00109	.00057	.00002	1.0571	.03567	.00082	-.00106	.00041	-.00683
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.011**	**.20929**	**.00172**	**.05906**	**-.00009**	**.00045**	**248.92**	**-.00091**	**.00255**	**-.00241**	**4.9936**	**.00171**
Stddev	.598	.02426	.00035	.00337	.00001	.00036	.02	.00014	.00049	.00013	.0341	.00288
%RSD	1.1965	11.589	20.133	5.7060	9.2179	80.723	.00886	15.811	19.318	5.4394	.68303	168.02
#1	49.588	.22644	.00197	.05668	-.00010	.00019	248.93	-.00102	.00290	-.00250	4.9695	-.00032
#2	50.434	.19214	.00148	.06144	-.00009	.00070	248.90	-.00081	.00220	-.00231	5.0177	.00375
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00515**	**.01245**	**.02665**	**-.00007**	**.00029**	**5.0467**	**.01306**	**.00115**	F **8.1429**	**.00118**	**.00212**	**-.07437**
Stddev	.00483	.01007	.02155	.00061	.00004	.0204	.00007	.00118	.0493	.00025	.00009	.00213
%RSD	93.755	80.850	80.850	827.11	13.580	.40371	.54825	103.16	.60535	20.845	4.3820	2.8674
#1	-.00174	.00533	.01141	.00036	.00026	5.0611	.01301	.00031	8.1778	.00135	.00205	-.07587
#2	-.00857	.01957	.04188	-.00051	.00032	5.0323	.01311	.00198	8.1080	.00100	.00218	-.07286
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6912.9**	**77488.**	**6562.3**
Stddev	21.5	580.	121.3
%RSD	.31148	.74849	1.8483
#1	6928.1	77077.	6648.1
#2	6897.7	77898.	6476.5

Sample Name: CCV-2372889 Acquired: 11/15/2013 0:03:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54437**	**.53518**	**1.0466**	**.52742**	**.50248**	**.47241**	**-.00997**	**4.6813**	**.48589**	**.50272**	**.53451**	**.50487**	**2.5990**
Stddev	.00260	.00218	.0008	.00159	.00025	.00325	.00059	.0369	.00056	.00037	.00042	.00017	.0044
%RSD	.47742	.40708	.08117	.30184	.04876	.68844	5.9077	.78907	.11607	.07429	.07872	.03334	.16934
#1	.54253	.53364	1.0472	.52629	.50231	.47011	-.00956	4.6552	.48549	.50245	.53421	.50475	2.6021
#2	.54621	.53672	1.0460	.52855	.50266	.47471	-.01039	4.7074	.48629	.50298	.53480	.50499	2.5959
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**47.918**	**.98711**	**20.524**	**.49503**	**.52628**	**5.2978**	**.53855**	**1.0482**	**.96656**	**-.00277**	**1.0225**	**1.0712**	**5.0999**
Stddev	.191	.00435	.003	.00050	.00001	.0027	.00151	.0019	.00204	.00080	.0019	.0001	.0719
%RSD	.39803	.44038	.01455	.10131	.00245	.05029	.28049	.17669	.21061	28.776	.18702	.00983	1.4107
#1	47.783	.98403	20.522	.49468	.52629	5.2959	.53748	1.0469	.96800	-.00333	1.0238	1.0711	5.0490
#2	48.052	.99018	20.526	.49539	.52627	5.2997	.53962	1.0495	.96512	-.00220	1.0211	1.0712	5.1507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.914**	**1.0422**	**.48973**	**.00429**	**.50648**	**1.0029**	**-.01928**	**.48139**	**.51262**	**.48919**
Stddev	.154	.0043	.00159	.00176	.00054	.0032	.00389	.00159	.00090	.00469
%RSD	1.4107	.41071	.32536	41.080	.10744	.31853	20.164	.32930	.17556	.95906
#1	10.805	1.0392	.48860	.00553	.50610	1.0052	-.02203	.48251	.51326	.48587
#2	11.023	1.0453	.49085	.00304	.50687	1.0006	-.01653	.48027	.51199	.49250
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6937.7**	**78342.**	**6506.9**
Stddev	8.5	145.	14.9
%RSD	.12240	.18519	.22951
#1	6943.7	78240.	6496.3
#2	6931.7	78445.	6517.4

Sample Name: CCB Acquired: 11/15/2013 0:06:06 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00170**	**-.00013**	**-.00112**	**.00112**	**.00023**	**.00010**	**.00228**	**-.00177**	**-.00024**	**-.00020**	**.00000**
Stddev	.00014	.00001	.00097	.00007	.00026	.00003	.00127	.00100	.00009	.00003	.0000
%RSD	8.1988	10.693	86.550	5.9377	113.38	29.653	55.374	56.551	38.194	13.580	320.49
#1	-.00160	-.00012	-.00180	.00117	.00042	.00013	.00318	-.00106	-.00030	-.00018	.00001
#2	-.00180	-.00014	-.00043	.00107	.00005	.00008	.00139	-.00248	-.00017	-.00022	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00080**	**.01983**	**.16029**	**.00093**	**.00312**	**.00019**	**.00027**	F **.26792**	**-.00020**	**.00014**	**.00029**
Stddev	.00043	.00198	.04047	.00018	.00164	.00004	.00006	.01199	.00010	.00088	.00077
%RSD	52.931	9.9620	25.251	18.957	52.392	20.476	22.817	4.4768	48.857	637.98	266.81
#1	-.00050	.02123	.18891	.00106	.00428	.00016	.00023	.27640	-.00027	-.00048	-.00026
#2	-.00110	.01843	.13167	.00081	.00197	.00022	.00031	.25944	-.00013	.00076	.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	F **.00639**	**.00104**	**.00800**	**.01712**	**-.00100**	**-.00005**	**.00342**	**.00013**	**.00123**	**.00546**
Stddev	.00033	.00150	.00026	.02460	.05264	.00053	.00002	.00072	.00045	.00111	.01012
%RSD	28.393	23.483	24.996	307.44	307.44	52.784	35.211	21.165	345.62	90.138	185.51
#1	-.00092	.00533	.00086	-.00939	-.02010	-.00063	-.00006	.00290	.00045	.00045	-.00170
#2	-.00138	.00745	.00123	.02540	.05435	-.00138	-.00004	.00393	-.00019	.00202	.01261
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00018**	**.00289**	**-.00135**
Stddev	.00005	.00013	.00054
%RSD	28.148	4.4611	40.002
#1	-.00021	.00280	-.00097
#2	-.00014	.00298	-.00173
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6944.7**	**78497.**	**6442.4**
Stddev	2.5	685.	20.9
%RSD	.03670	.87275	.32396
#1	6942.9	78981.	6427.6
#2	6946.5	78012.	6457.1

Sample Name: CCVL2379751 Acquired: 11/15/2013 0:08:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00942**	**.11040**	**.01350**	**.10435**	**.01025**	**.00096**	**.11579**	**.18338**	**.00471**	**.01014**	**.01088**	**.01369**	**.10499**
Stddev	.00020	.00003	.00058	.00039	.00018	.00003	.00263	.00066	.00003	.00006	.00009	.00049	.00243
%RSD	2.0907	.02987	4.2978	.37726	1.7991	3.6370	2.2703	.36006	.54631	.55244	.78244	3.5882	2.3170
#1	.00955	.11042	.01309	.10407	.01038	.00094	.11393	.18292	.00473	.01018	.01082	.01404	.10671
#2	.00928	.11038	.01391	.10463	.01012	.00099	.11765	.18385	.00469	.01010	.01094	.01334	.10327
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9863**	**.01013**	**.21374**	**.01014**	**.02045**	**1.2108**	**.04387**	**3.0536**	**.00816**	**-.00063**	**.00976**	**.01610**	**.50801**
Stddev	.0108	.00025	.00194	.00005	.00017	.0066	.00023	.0156	.00052	.00067	.00018	.00181	.02768
%RSD	.36137	2.4858	.90917	.53503	.81532	.54334	.51926	.51187	6.3567	105.86	1.8675	11.238	5.4495
#1	2.9940	.00995	.21511	.01018	.02033	1.2062	.04371	3.0426	.00779	-.00016	.00989	.01738	.52758
#2	2.9787	.01031	.21236	.01011	.02057	1.2155	.04403	3.0647	.00853	-.00111	.00963	.01482	.48843
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0871**	**.10591**	**.00973**	**.01838**	**.00998**	**.01638**	F **.02440**	**.00905**	**.02334**	**.01163**
Stddev	.0592	.00085	.00004	.00228	.00021	.00077	.02237	.00034	.00017	.00016
%RSD	5.4495	.80423	.38341	12.401	2.1100	4.7159	91.681	3.7607	.74365	1.3895
#1	1.1290	.10531	.00976	.01677	.00983	.01583	.00858	.00929	.02347	.01174
#2	1.0452	.10651	.00971	.01999	.01013	.01693	.04022	.00881	.02322	.01151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							-30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7043.8**	**79561.**	**6498.4**
Stddev	44.3	108.	16.4
%RSD	.62946	.13567	.25273
#1	7075.1	79637.	6486.8
#2	7012.4	79485.	6510.1

Sample Name: mb 280-200655/1-a Acquired: 11/15/2013 0:10:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00113	.00824	.00301	.00036	.00064	.00001	.00178	W .07370	-.00013	-.00009
Stddev	.00047	.00040	.00033	.00023	.00028	.00012	.00051	.00235	.00034	.00007
%RSD	41.849	4.9151	10.927	63.438	44.087	1386.3	28.757	3.1866	258.55	84.570
#1	-.00146	.00795	.00324	.00052	.00044	-.00008	.00142	.07204	-.00037	-.00004
#2	-.00079	.00853	.00278	.00020	.00085	.00010	.00215	.07536	.00011	-.00014
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	.01000							.02706		
Low Limit	-.00010							-.10000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .00406	.00093	.01395	.10134	.00063	.00707	W .00078	-.00015	W .24224	.00028
Stddev	.00004	.00002	.00388	.02331	.00362	.00024	.00006	.00024	.00830	.00017
%RSD	1.0001	1.8805	27.834	23.001	572.77	3.3957	7.8118	158.14	3.4264	60.071
#1	.00403	.00094	.01121	.11782	.00319	.00724	.00082	-.00032	.23637	.00016
#2	.00409	.00092	.01670	.08486	-.00193	.00690	.00073	.00002	.24811	.00041
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit	.00257						.00023		.05054	
Low Limit	-.01000						-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00093	-.00080	F .01300	.00178	-.00135	.00690	.01477	-.00016	W .00063	W .00296
Stddev	.00006	.00080	.00079	.00228	.00116	.01873	.04008	.00005	.00002	.00119
%RSD	6.6439	100.54	6.0507	128.07	85.720	271.40	271.40	28.032	3.8508	40.038
#1	.00089	-.00023	.01355	.00339	-.00217	.02014	.04311	-.00013	.00061	.00380
#2	.00097	-.00136	.01244	.00017	-.00053	-.00634	-.01357	-.00020	.00065	.00212
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Warn	Chk Warn
High Limit			.01000						.00058	.00000
Low Limit			-.01000						-.00500	-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.00022	.00026	-.02183	.00004	F .01221	.00041
Stddev	.00034	.00002	.05241	.00034	.00015	.00032
%RSD	154.41	6.1766	240.04	882.19	1.2191	76.771
#1	-.00046	.00027	-.05889	.00028	.01232	.00064
#2	.00002	.00025	.01522	-.00020	.01210	.00019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit					.01000	
Low Limit					-.01000	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6955.5	78408.	6450.7
Stddev	.2	159.	28.9
%RSD	.00291	.20220	.44810
#1	6955.7	78296.	6471.1
#2	6955.4	78520.	6430.2

Sample Name: lcs 280-200655/2-a Acquired: 11/15/2013 0:13:06 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05258**	**2.0202**	**1.0527**	**1.0686**	**2.0161**	**.04699**	**2.1555**	**45.247**	**.09720**	**.49196**
Stddev	.00002	.0012	.0009	.0036	.0228	.00054	.0088	.550	.00027	.00042
%RSD	.03998	.05737	.08455	.33249	1.1326	1.1526	.40663	1.2149	.27698	.08630
#1	.05256	2.0194	1.0534	1.0661	2.0323	.04737	2.1493	45.636	.09701	.49226
#2	.05259	2.0210	1.0521	1.0711	2.0000	.04660	2.1617	44.859	.09739	.49166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21679**	**.24972**	**1.0349**	**48.448**	**.99745**	**51.720**	**.49357**	**1.0531**	**50.674**	**.52971**
Stddev	.00076	.00132	.0044	.525	.01206	.110	.00062	.0018	.189	.00238
%RSD	.34999	.52846	.42420	1.0846	1.2096	.21226	.12639	.17425	.37261	.45007
#1	.21625	.25065	1.0380	48.820	1.0060	51.797	.49401	1.0544	50.808	.52802
#2	.21733	.24879	1.0318	48.077	.98891	51.642	.49313	1.0518	50.541	.53139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.608**	**.46544**	**-.00171**	**.51290**	**2.1357**	**10.250**	**21.936**	**2.0701**	**.98024**	**1.0157**
Stddev	.060	.00031	.00071	.00274	.0064	.021	.045	.0021	.01104	.0085
%RSD	.56481	.06721	41.644	.53405	.29897	.20699	.20699	.10087	1.1264	.83793
#1	10.650	.46522	-.00121	.51096	2.1402	10.265	21.968	2.0716	.98804	1.0217
#2	10.565	.46567	-.00221	.51483	2.1311	10.235	21.904	2.0686	.97243	1.0096
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0329**	**1.9229**	F **3.2994**	**.48964**	**.51180**	**.47125**
Stddev	.0030	.0090	.0256	.00199	.00236	.00118
%RSD	.28649	.46577	.77503	.40640	.46074	.24959
#1	1.0350	1.9292	3.3175	.49105	.51347	.47208
#2	1.0308	1.9166	3.2814	.48823	.51014	.47042
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6735.0**	**75503.**	**6476.4**
Stddev	3.2	124.	90.1
%RSD	.04695	.16459	1.3907
#1	6737.2	75416.	6412.7
#2	6732.8	75591.	6540.1

Sample Name: 280-49038-c-1-a Acquired: 11/15/2013 0:15:14 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.06453**	**.00183**	**.10286**	**1.0747**	**.00008**	**-.00232**	**6.6393**	**-.00028**	**-.00056**
Stddev	.00037	.00062	.00068	.00117	.0043	.00007	.00284	.0001	.00004	.00013
%RSD	24.536	.96854	36.835	1.1395	.40455	84.761	122.65	.00126	13.725	22.316
#1	-.00179	.06409	.00231	.10369	1.0716	.00003	-.00433	6.6393	-.00025	-.00047
#2	-.00126	.06497	.00136	.10203	1.0778	.00013	-.00031	6.6392	-.00030	-.00065
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.29312**	**.00801**	**2.5574**	**4.3875**	**.06722**	**1.3987**	**.03473**	**.00988**	W **725.50**	**.00120**
Stddev	.00084	.00117	.0068	.0848	.00131	.0051	.00009	.00009	2.64	.00021
%RSD	.28537	14.559	.26742	1.9317	1.9431	.36334	.26621	.90246	.36376	17.677
#1	.29253	.00884	2.5526	4.3276	.06814	1.4023	.03479	.00982	723.64	.00135
#2	.29371	.00719	2.5622	4.4474	.06630	1.3951	.03466	.00995	727.37	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09823**	**.00197**	**.31531**	**-.00105**	**-.00111**	**8.8938**	**19.033**	**-.00018**	**.83252**	**.00401**
Stddev	.00104	.00052	.00372	.00004	.00003	.0321	.069	.00053	.00269	.00106
%RSD	1.0608	26.555	1.1795	3.8409	2.7131	.36144	.36144	290.19	.32347	26.513
#1	.09749	.00235	.31268	-.00108	-.00113	8.8710	18.984	.00019	.83062	.00476
#2	.09897	.00160	.31794	-.00102	-.00109	8.9165	19.081	-.00056	.83443	.00326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00014**	**-.03793**	**.00115**	**.01439**	**.00300**
Stddev	.00011	.00096	.02785	.00067	.00056	.00171
%RSD	9.7424	672.59	73.420	58.316	3.8726	56.980
#1	.00124	-.00054	-.05763	.00067	.01478	.00420
#2	.00108	.00082	-.01824	.00162	.01399	.00179
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6483.0**	**72240.**	**6504.5**
Stddev	13.5	187.	114.7
%RSD	.20785	.25953	1.7626
#1	6473.5	72372.	6423.4
#2	6492.5	72107.	6585.6

Sample Name: 280-49038-c-1-aSD@5 Acquired: 11/15/2013 0:17:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.01838**	**-.00099**	**.02160**	**.21527**	**.00006**	**.00142**	**1.3347**	**-.00016**	**-.00042**
Stddev	.00073	.00057	.00137	.00074	.00090	.00001	.00014	.0030	.00008	.00008
%RSD	49.380	3.1058	138.74	3.4221	.41926	23.309	9.9910	.22370	47.770	20.110
#1	-.00201	.01798	-.00002	.02108	.21591	.00005	.00132	1.3326	-.00022	-.00047
#2	-.00097	.01878	-.00196	.02212	.21463	.00007	.00152	1.3368	-.00011	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05793**	**.00125**	**.52249**	**.98146**	**.01505**	**.28817**	**.00709**	**.00192**	**144.28**	**.00038**
Stddev	.00043	.00015	.00269	.00595	.00038	.00354	.00009	.00011	.14	.00011
%RSD	.74311	11.600	.51516	.60669	2.5505	1.2279	1.2037	5.8947	.09747	30.037
#1	.05763	.00136	.52059	.97725	.01478	.29067	.00715	.00200	144.18	.00030
#2	.05824	.00115	.52440	.98567	.01532	.28567	.00703	.00184	144.38	.00046
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01668**	**.00074**	**.06255**	**.00079**	**-.00173**	**1.7567**	**3.7594**	**.00111**	**.16603**	**.00355**
Stddev	.00035	.00072	.00105	.00063	.00106	.0047	.0101	.00102	.00033	.00032
%RSD	2.1247	96.439	1.6803	79.456	61.061	.26775	.26775	91.384	.20116	8.9255
#1	.01693	.00024	.06329	.00035	-.00098	1.7600	3.7665	.00039	.16627	.00377
#2	.01643	.00125	.06181	.00124	-.00248	1.7534	3.7522	.00183	.16579	.00332
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00087**	**-.03042**	**.00018**	**.00759**	**.00229**
Stddev	.00007	.00092	.08610	.00003	.00021	.00089
%RSD	43.750	106.14	283.02	17.786	2.7714	38.653
#1	.00021	.00022	.03046	.00020	.00744	.00166
#2	.00011	.00152	-.09131	.00016	.00773	.00292
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6783.5**	**76135.**	**6419.2**
Stddev	13.2	282.	2.4
%RSD	.19505	.37039	.03747
#1	6792.9	76334.	6420.9
#2	6774.1	75935.	6417.5

Sample Name: 280-49038-c-1-b ms Acquired: 11/15/2013 0:20:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05440**	**2.0432**	**1.0811**	**1.1263**	**3.0704**	**.04714**	F **2.1097**	**51.546**	**.09812**	**.47985**
Stddev	.00063	.0052	.0096	.0094	.0011	.00003	.0198	.050	.00062	.00306
%RSD	1.1573	.25533	.88389	.83399	.03720	.07346	.94030	.09739	.63212	.63697
#1	.05395	2.0395	1.0743	1.1196	3.0712	.04711	2.0956	51.582	.09768	.47769
#2	.05484	2.0469	1.0879	1.1329	3.0696	.04716	2.1237	51.511	.09856	.48201
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.48924**	**.25794**	**3.5228**	**55.770**	**1.0944**	**51.084**	**.52311**	**1.0560**	W **761.17**	**.51626**
Stddev	.00227	.00003	.0032	.093	.0002	.030	.00022	.0053	.60	.00358
%RSD	.46482	.01030	.08955	.16626	.01439	.05909	.04165	.50650	.07856	.69361
#1	.48764	.25792	3.5206	55.705	1.0943	51.063	.52296	1.0522	761.59	.51372
#2	.49085	.25796	3.5251	55.836	1.0945	51.106	.52326	1.0598	760.75	.51879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.021**	**.44585**	**.27433**	**.51332**	**2.1587**	**19.272**	**41.242**	W **2.0197**	**1.7960**	**1.0196**
Stddev	.082	.00283	.00264	.00243	.0229	.067	.144	.0070	.0009	.0011
%RSD	.74505	.63384	.96205	.47253	1.0591	.34869	.34869	.34629	.05094	.10918
#1	10.963	.44386	.27247	.51161	2.1425	19.319	41.344	2.0147	1.7954	1.0188
#2	11.079	.44785	.27620	.51504	2.1748	19.224	41.140	2.0246	1.7967	1.0203
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0339**	**1.7376**	**3.2365**	**.49023**	**.53225**	**.47836**
Stddev	.0029	.0087	.0579	.00064	.00046	.00018
%RSD	.28210	.49956	1.7877	.12965	.08620	.03835
#1	1.0360	1.7314	3.1955	.49068	.53258	.47848
#2	1.0319	1.7437	3.2774	.48978	.53193	.47823
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6430.4**	**70666.**	**6410.8**
Stddev	16.5	231.	4.5
%RSD	.25677	.32753	.07027
#1	6418.7	70830.	6414.0
#2	6442.1	70502.	6407.6

Sample Name: 280-49038-c-1-c msd Acquired: 11/15/2013 0:22:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05431**	**2.0381**	**1.0985**	**1.1446**	**3.1389**	**.04788**	F **2.1413**	**52.422**	**.09959**	**.48235**
Stddev	.00029	.0023	.0042	.0052	.0018	.00021	.0004	.086	.00038	.00133
%RSD	.54238	.11386	.37913	.45042	.05848	.44377	.01695	.16485	.37829	.27553
#1	.05452	2.0365	1.0955	1.1409	3.1376	.04803	2.1416	52.484	.09933	.48141
#2	.05410	2.0398	1.1014	1.1482	3.1402	.04773	2.1411	52.361	.09986	.48329
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49462**	**.26233**	**3.6270**	**56.867**	**1.1123**	**50.816**	**.52532**	**1.0592**	W **786.02**	**.51849**
Stddev	.00064	.00138	.0045	.061	.0002	.104	.00033	.0017	1.05	.00012
%RSD	.12896	.52592	.12375	.10707	.02105	.20449	.06272	.15659	.13400	.02271
#1	.49417	.26330	3.6238	56.824	1.1121	50.743	.52508	1.0581	786.76	.51840
#2	.49507	.26135	3.6301	56.910	1.1124	50.890	.52555	1.0604	785.27	.51857
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.106**	**.44734**	**.28607**	**.51446**	**2.1722**	**19.807**	**42.387**	W **2.0154**	**1.8414**	**1.0231**
Stddev	.030	.00003	.00335	.00254	.0044	.109	.233	.0105	.0010	.0032
%RSD	.26955	.00730	1.1697	.49324	.20340	.55001	.55001	.51882	.05463	.31739
#1	11.084	.44736	.28843	.51625	2.1753	19.730	42.222	2.0228	1.8407	1.0208
#2	11.127	.44731	.28370	.51267	2.1690	19.884	42.551	2.0080	1.8421	1.0254
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0409**	**1.7424**	**3.2948**	**.49567**	**.52743**	**.48816**
Stddev	.0010	.0119	.0026	.00008	.00168	.00249
%RSD	.09923	.68106	.07973	.01707	.31868	.50984
#1	1.0417	1.7508	3.2967	.49561	.52624	.48640
#2	1.0402	1.7340	3.2930	.49573	.52862	.48992
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6520.0**	**72470.**	**6418.7**
Stddev	6.8	299.	2.6
%RSD	.10358	.41219	.04106
#1	6515.3	72681.	6420.5
#2	6524.8	72259.	6416.8

Sample Name: 280-49038-c-2-a Acquired: 11/15/2013 0:24:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**.29531**	**-.00250**	**.05378**	**.74973**	**.00007**	**-.00156**	**2.6785**	**-.00023**	**-.00050**
Stddev	.00041	.00173	.00059	.00012	.00229	.00001	.00096	.0045	.00012	.00004
%RSD	32.363	.58679	23.763	.22538	.30594	12.712	61.210	.16755	53.619	7.5953
#1	-.00099	.29409	-.00292	.05369	.75135	.00007	-.00224	2.6817	-.00032	-.00053
#2	-.00158	.29654	-.00208	.05386	.74811	.00006	-.00089	2.6754	-.00014	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00357**	**.00482**	**2.3127**	**3.5763**	**.04210**	**1.0922**	**.02581**	**.00713**	W **501.05**	**.00215**
Stddev	.00008	.00077	.0054	.0001	.00047	.0017	.00004	.00011	2.67	.00011
%RSD	2.2958	15.914	.23503	.00286	1.1253	.15510	.14906	1.5839	.53219	5.1165
#1	.00363	.00536	2.3088	3.5762	.04243	1.0934	.02583	.00721	502.93	.00223
#2	.00351	.00428	2.3165	3.5764	.04176	1.0910	.02578	.00705	499.16	.00207
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07698**	**.00062**	**.21990**	**.00039**	**.00030**	**7.6978**	**16.473**	**.00007**	**.35924**	**.00307**
Stddev	.00078	.00103	.00456	.00011	.00095	.0127	.027	.00017	.00077	.00377
%RSD	1.0192	165.29	2.0744	26.743	320.16	.16431	.16431	254.30	.21348	122.96
#1	.07753	.00135	.21667	.00047	.00097	7.6889	16.454	-.00005	.35978	.00040
#2	.07642	-.00011	.22312	.00032	-.00038	7.7068	16.493	.00019	.35870	.00573
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00612**	**.00085**	**-.02701**	**.00078**	**.00552**	**.00065**
Stddev	.00017	.00047	.03713	.00028	.00023	.00074
%RSD	2.7270	55.194	137.43	36.483	4.2346	113.25
#1	.00624	.00052	-.00076	.00058	.00569	.00118
#2	.00600	.00118	-.05327	.00098	.00536	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6616.7**	**74869.**	**6647.9**
Stddev	31.8	262.	36.2
%RSD	.48111	.34964	.54421
#1	6639.2	74684.	6622.3
#2	6594.2	75054.	6673.5

Sample Name: 280-49038-c-3-a Acquired: 11/15/2013 0:26:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.37610**	**.00088**	**.11121**	**1.6155**	**.00002**	**-.00394**	**8.1121**	**-.00018**	**-.00048**
Stddev	.00054	.00063	.00013	.00003	.0008	.00004	.00051	.0069	.00007	.00005
%RSD	37.608	.16704	14.760	.03007	.04964	211.87	13.015	.08447	36.172	9.3086
#1	-.00183	.37654	.00098	.11119	1.6160	.00005	-.00430	8.1072	-.00023	-.00045
#2	-.00106	.37565	.00079	.11123	1.6149	-.00001	-.00358	8.1169	-.00013	-.00052
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00238**	**.01473**	**5.9743**	**5.1542**	**.08106**	**1.6252**	**.05982**	**.00718**	W **721.37**	**.00286**
Stddev	.00009	.00003	.0269	.0680	.00105	.0113	.00024	.00022	.60	.00007
%RSD	3.5946	.19047	.44954	1.3199	1.2954	.69592	.39959	3.0408	.08306	2.2734
#1	.00244	.01471	5.9553	5.1061	.08180	1.6172	.05965	.00703	721.79	.00291
#2	.00232	.01475	5.9933	5.2024	.08031	1.6332	.05999	.00733	720.95	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27648**	**.00357**	**.43039**	**-.00157**	**.00141**	**9.9223**	**21.234**	**-.00004**	**.98721**	**.00204**
Stddev	.00054	.00089	.00031	.00020	.00162	.0300	.064	.00014	.00011	.00197
%RSD	.19496	24.987	.07095	12.827	114.60	.30277	.30277	325.18	.01102	96.176
#1	.27686	.00294	.43018	-.00172	.00027	9.9011	21.188	-.00015	.98729	.00065
#2	.27610	.00420	.43061	-.00143	.00255	9.9436	21.279	.00006	.98714	.00344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00421**	**.00080**	**-.04223**	**.00091**	**.00733**	**.00180**
Stddev	.00036	.00001	.02153	.00064	.00028	.00129
%RSD	8.4448	1.7495	50.993	70.272	3.7885	71.468
#1	.00446	.00081	-.05746	.00136	.00753	.00089
#2	.00395	.00079	-.02700	.00046	.00714	.00271
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6566.3**	**72673.**	**6537.2**
Stddev	35.3	371.	26.1
%RSD	.53724	.51085	.39953
#1	6541.4	72935.	6555.6
#2	6591.3	72410.	6518.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 0:29:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00785**	**48.826**	**-.00099**	**.00194**	**.00105**	**-.00011**	W **1.0738**	**.01315**	**.00079**	**-.00113**	**.00022**	**-.00754**
Stddev	.00002	.125	.00197	.00015	.00006	.00005	.0057	.00284	.00016	.00011	.00020	.00030
%RSD	.20225	.25613	200.40	7.8707	5.9352	41.000	.52919	21.584	20.213	9.9602	90.837	4.0257
#1	-.00784	48.737	.00041	.00183	.00110	-.00008	1.0778	.01515	.00090	-.00105	.00008	-.00733
#2	-.00786	48.914	-.00238	.00205	.00101	-.00014	1.0698	.01114	.00068	-.00121	.00036	-.00776
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.929**	**.35186**	**.00261**	**.05187**	**-.00018**	**.00053**	**251.85**	**-.00112**	**.00324**	**-.00251**	**5.0471**	**.00127**
Stddev	.277	.01823	.00036	.00061	.00002	.00001	.09	.00005	.00053	.00129	.0355	.00171
%RSD	.54361	5.1798	13.947	1.1851	11.397	1.6329	.03392	4.2646	16.486	51.489	.70328	134.40
#1	50.733	.36475	.00286	.05231	-.00017	.00053	251.91	-.00109	.00362	-.00160	5.0722	.00249
#2	51.124	.33897	.00235	.05144	-.00020	.00052	251.79	-.00116	.00286	-.00342	5.0220	.00006
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00171**	**.01667**	**.03567**	**-.00098**	**.00009**	**5.0952**	**.01412**	**.00250**	F **8.3982**	**.00110**	**.00218**	**-.07756**
Stddev	.00307	.01972	.04220	.00023	.00013	.0002	.00015	.00003	.0622	.00020	.00009	.00006
%RSD	179.33	118.31	118.31	23.587	138.47	.00471	1.0868	1.1691	.74101	17.752	4.0892	.07217
#1	-.00389	.00272	.00583	-.00114	.00000	5.0954	.01423	.00248	8.3542	.00124	.00225	-.07752
#2	.00046	.03061	.06552	-.00081	.00018	5.0950	.01401	.00252	8.4422	.00096	.00212	-.07760
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.4**	**76667.**	**6626.5**
Stddev	.2	264.	5.4
%RSD	.00261	.34441	.08142
#1	6881.3	76854.	6622.6
#2	6881.5	76480.	6630.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 0:31:50 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54387**	**.53834**	**1.0578**	**.53347**	**.50529**	**.47268**	**-.00763**	**4.6852**	**.48539**	**.50232**	**.53611**	**.50371**	**2.6112**
Stddev	.00516	.00064	.0025	.00448	.00069	.00086	.00096	.0354	.00028	.00027	.00025	.00198	.0098
%RSD	.94786	.11809	.23394	.83967	.13693	.18137	12.620	.75623	.05755	.05342	.04688	.39371	.37520
#1	.54023	.53790	1.0561	.53030	.50480	.47329	-.00695	4.7103	.48559	.50251	.53593	.50231	2.6181
#2	.54752	.53879	1.0596	.53663	.50578	.47207	-.00832	4.6602	.48519	.50214	.53629	.50511	2.6043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.052**	**.98857**	**20.508**	**.49527**	**.52789**	F **5.5458**	**.54328**	**1.0513**	**.96357**	**-.00504**	**1.0327**	**1.0785**	**5.1618**
Stddev	.110	.00290	.072	.00083	.00004	.0672	.00369	.0020	.00110	.00452	.0025	.0015	.0403
%RSD	.22793	.29341	.35066	.16673	.00820	1.2118	.67877	.19358	.11457	89.829	.23950	.13638	.78005
#1	48.129	.98652	20.457	.49468	.52793	5.5933	.54067	1.0528	.96436	-.00824	1.0344	1.0774	5.1902
#2	47.975	.99062	20.559	.49585	.52786	5.4982	.54589	1.0499	.96279	-.00184	1.0309	1.0795	5.1333
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**11.046**	**1.0437**	**.49135**	**.00557**	**.50741**	**1.0078**	**-.05534**	**.48284**	**.51320**	**.48856**
Stddev	.086	.0005	.00073	.00278	.00065	.0018	.03177	.00068	.00190	.00447
%RSD	.78005	.04703	.14870	49.846	.12757	.17523	57.412	.14073	.37006	.91427
#1	11.107	1.0433	.49084	.00753	.50695	1.0090	-.07781	.48332	.51454	.49171
#2	10.985	1.0440	.49187	.00361	.50787	1.0065	-.03287	.48236	.51185	.48540
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.9**	**78382.**	**6529.5**
Stddev	17.9	87.	16.3
%RSD	.25571	.11103	.24918
#1	7002.5	78321.	6518.0
#2	6977.3	78444.	6541.0

Sample Name: CCB Acquired: 11/15/2013 0:33:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00134**	**-.00022**	**-.00238**	**.00165**	**.00014**	**.00011**	**.00209**	**-.00282**	**-.00013**	**-.00005**	**-.00014**
Stddev	.00079	.00008	.00014	.00066	.00032	.00007	.00102	.00227	.00004	.00003	.00001
%RSD	59.103	38.694	6.0395	39.942	228.60	66.483	48.796	80.460	34.245	52.083	10.657
#1	-.00078	-.00016	-.00227	.00118	-.00009	.00006	.00137	-.00442	-.00010	-.00003	-.00015
#2	-.00189	-.00028	-.00248	.00211	.00037	.00016	.00281	-.00121	-.00016	-.00007	-.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**-.00058**	**.19850**	**.00044**	**.00091**	**.00002**	**.00006**	F **.40339**	**-.00006**	**.00095**	**-.00006**
Stddev	.00036	.00047	.02853	.00047	.00293	.00001	.00026	.02023	.00003	.00119	.00029
%RSD	28.904	80.955	14.373	107.03	322.91	63.905	463.03	5.0138	45.780	125.57	456.52
#1	-.00098	-.00091	.17833	.00077	-.00116	.00003	.00024	.41770	-.00008	.00179	-.00026
#2	-.00149	-.00025	.21868	.00011	.00298	.00001	-.00013	.38909	-.00004	.00011	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	W **.00508**	**.00177**	**.01176**	**.02517**	**-.00046**	**-.00009**	**.00237**	**-.00011**	**.00078**	**-.02949**
Stddev	.00053	.00062	.00165	.01907	.04081	.00019	.00009	.00158	.00009	.00032	.03214
%RSD	240.64	12.231	93.423	162.11	162.11	42.490	106.17	66.837	82.872	40.354	108.97
#1	.00016	.00551	.00060	-.00172	-.00368	-.00032	-.00002	.00125	-.00004	.00056	-.05222
#2	-.00060	.00464	.00293	.02525	.05403	-.00060	-.00015	.00349	-.00017	.00101	-.00677
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00316**	**-.00016**
Stddev	.00012	.00008	.00378
%RSD	137.74	2.5455	2328.0
#1	.00000	.00310	.00251
#2	-.00017	.00321	-.00283
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6898.6**	**78928.**	**6529.8**
Stddev	22.6	77.	47.6
%RSD	.32724	.09751	.72914
#1	6882.6	78982.	6563.5
#2	6914.6	78873.	6496.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 0:36:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01012**	**.10989**	**.01387**	**.10533**	**.01050**	**.00097**	**.11867**	**.18939**	**.00483**	**.01022**	**.01082**	**.01400**	**.10720**
Stddev	.00032	.00008	.00270	.00039	.00007	.00002	.00103	.00112	.00007	.00032	.00019	.00056	.00011
%RSD	3.1623	.06887	19.489	.36825	.68110	2.0769	.86630	.59078	1.4899	3.1237	1.8022	3.9939	.10538
#1	.01034	.10994	.01578	.10506	.01055	.00095	.11794	.18860	.00478	.01045	.01095	.01360	.10728
#2	.00989	.10984	.01196	.10560	.01045	.00098	.11939	.19018	.00488	.01000	.01068	.01439	.10712
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9763**	**.01248**	**.21723**	**.01005**	**.02031**	F **1.3342**	**.04406**	**3.0702**	**.00851**	**.00072**	**.01024**	**.01644**	**.51522**
Stddev	.0328	.00205	.00134	.00002	.00005	.0219	.00030	.0010	.00125	.00164	.00214	.00071	.00581
%RSD	1.1015	16.389	.61477	.17552	.25353	1.6426	.67811	.03165	14.719	227.51	20.945	4.3219	1.1278
#1	2.9531	.01103	.21628	.01006	.02027	1.3496	.04427	3.0709	.00762	.00188	.00872	.01594	.51933
#2	2.9995	.01393	.21817	.01004	.02034	1.3187	.04385	3.0695	.00939	-.00044	.01176	.01694	.51111
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1026**	**.10719**	**.00966**	**.01701**	**.01025**	**.01660**	F **.08664**	**.00952**	**.02499**	**.01443**
Stddev	.0124	.00023	.00002	.00099	.00011	.00008	.00020	.00021	.00020	.00096
%RSD	1.1278	.21309	.24597	5.8086	1.1200	.50229	.23533	2.1901	.78085	6.6231
#1	1.1114	.10702	.00965	.01770	.01033	.01655	.08650	.00966	.02513	.01510
#2	1.0938	.10735	.00968	.01631	.01017	.01666	.08679	.00937	.02486	.01375
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7098.6**	**80050.**	**6605.8**
Stddev	22.3	29.	23.4
%RSD	.31440	.03616	.35381
#1	7114.4	80029.	6622.3
#2	7082.8	80070.	6589.2

Sample Name: 280-49081-a-1-a Acquired: 11/15/2013 0:38:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02726**	**.42098**	**.00575**	**1.7718**	**.00077**	**.00005**	**.00470**	**1.9926**	**.00108**	**.00076**
Stddev	.00045	.02999	.00233	.0096	.00007	.00005	.00253	.0055	.00000	.00057
%RSD	1.6439	7.1247	40.636	.54194	9.5147	90.580	53.816	.27782	.12772	75.431
#1	.02757	.39977	.00740	1.7786	.00083	.00002	.00649	1.9887	.00108	.00035
#2	.02694	.44218	.00409	1.7650	.00072	.00009	.00291	1.9966	.00108	.00116
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14488**	**.05200**	**.00994**	**51.659**	**.05765**	**1.4999**	**.00095**	**.02809**	RF **10099.**	**.32115**
Stddev	.00009	.00029	.00107	1.521	.00385	.0036	.00001	.00092	13.	.00146
%RSD	.06304	.56132	10.795	2.9437	6.6741	.23757	.89686	3.2666	.13253	.45490
#1	.14481	.05221	.01070	50.584	.06037	1.4974	.00094	.02744	10090.	.32218
#2	.14494	.05179	.00918	52.735	.05493	1.5025	.00095	.02874	10109.	.32011
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit									10000.	
Low Limit									9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **933.97**	**-.00003**	F **2553.3**	**.02741**	**.00399**	**7.2358**	**15.485**	**.00289**	**.00927**	**.00122**
Stddev	4.23	.00132	12.5	.00124	.00203	.0720	.154	.00159	.00010	.00149
%RSD	.45295	4543.3	.49012	4.5199	50.903	.99509	.99509	54.836	1.0560	122.79
#1	936.96	.00090	2562.2	.02653	.00256	7.1849	15.376	.00177	.00920	.00016
#2	930.97	-.00096	2544.5	.02829	.00543	7.2867	15.594	.00402	.00934	.00227
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00092**	**-.04446**	**.00355**	**.00745**	**-.00155**
Stddev	.00028	.00117	.01364	.00011	.00062	.00151
%RSD	98.470	127.04	30.669	2.9704	8.3791	97.558
#1	.00048	.00009	-.03482	.00348	.00789	-.00262
#2	.00009	.00175	-.05411	.00363	.00701	-.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5404.8**	**58054.**	**6016.5**
Stddev	25.6	104.	57.8
%RSD	.47351	.17910	.96014
#1	5386.7	58128.	6057.4
#2	5422.8	57981.	5975.7

Sample Name: 280-49081-a-2-a Acquired: 11/15/2013 0:41:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05517**	**.02973**	**.00305**	**2.4689**	**.00220**	**.00003**	**.00396**	**1.6790**	**.00059**	**.00010**
Stddev	.00045	.00013	.00001	.0028	.00039	.00006	.00195	.0112	.00008	.00008
%RSD	.81601	.42184	.32001	.11521	17.809	233.04	49.258	.66405	13.525	79.850
#1	.05549	.02982	.00304	2.4669	.00248	.00007	.00533	1.6711	.00053	.00004
#2	.05485	.02964	.00305	2.4709	.00192	-.00002	.00258	1.6869	.00064	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01249**	**.04447**	**.01464**	**88.202**	**.04027**	**.99129**	**.00080**	**.03086**	RW **6219.8**	**.44104**
Stddev	.00003	.00073	.00210	.133	.00164	.00041	.00009	.00021	2.9	.00045
%RSD	.20948	1.6345	14.380	.15106	4.0710	.04159	10.671	.66817	.04621	.10128
#1	.01247	.04498	.01315	88.108	.03911	.99099	.00086	.03072	6217.7	.44136
#2	.01251	.04395	.01612	88.296	.04143	.99158	.00074	.03101	6221.8	.44073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **780.20**	**.00080**	F **1284.1**	**.02159**	**.00359**	**5.9460**	**12.724**	**.00967**	**.00808**	**.00124**
Stddev	2.75	.00051	6.3	.00082	.00779	.0755	.162	.00026	.00012	.00136
%RSD	.35255	63.919	.49011	3.8072	216.84	1.2694	1.2694	2.6788	1.5162	109.54
#1	778.26	.00044	1279.7	.02101	-.00192	5.8926	12.610	.00985	.00799	.00028
#2	782.15	.00116	1288.6	.02217	.00910	5.9993	12.839	.00948	.00817	.00220
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00036**	**-.00967**	**.00078**	**.01201**	**.00046**
Stddev	.00020	.00089	.04360	.00012	.00035	.00044
%RSD	130.68	244.89	450.82	16.019	2.8721	97.228
#1	.00030	-.00026	-.04050	.00087	.01177	.00077
#2	.00001	.00099	.02116	.00069	.01226	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5736.9**	**61901.**	**6213.9**
Stddev	26.6	158.	117.1
%RSD	.46430	.25507	1.8850
#1	5755.7	61790.	6131.1
#2	5718.1	62013.	6296.8

Sample Name: 280-49081-a-3-a Acquired: 11/15/2013 0:44:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01091**	**.21769**	**-.00119**	**.39951**	**.00214**	**.00005**	**.00001**	**1.7186**	**.00004**	**-.00035**
Stddev	.00064	.00093	.00132	.00035	.00044	.00005	.00101	.0357	.00015	.00001
%RSD	5.8355	.42519	110.93	.08805	20.476	92.825	7041.7	2.0784	350.75	1.6509
#1	.01046	.21835	-.00026	.39976	.00183	.00009	-.00070	1.6934	-.00006	-.00035
#2	.01136	.21704	-.00212	.39926	.00244	.00002	.00073	1.7439	.00015	-.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02383**	**.04187**	**.01859**	**33.888**	**.01680**	**5.7539**	**.00076**	**.01267**	RW **1988.0**	**.24224**
Stddev	.00011	.00044	.00073	.701	.00005	.0592	.00002	.00010	34.3	.00103
%RSD	.45673	1.0522	3.9443	2.0673	.30298	1.0294	2.3220	.77747	1.7275	.42635
#1	.02390	.04156	.01808	33.393	.01676	5.7120	.00077	.01274	1963.8	.24297
#2	.02375	.04219	.01911	34.384	.01684	5.7958	.00075	.01261	2012.3	.24151
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **200.64**	**-.00035**	F **853.31**	**.00888**	**.00217**	**6.0209**	**12.885**	**.00126**	**.00743**	**.00057**
Stddev	.70	.00083	2.02	.00052	.00016	.1306	.280	.00075	.00006	.00081
%RSD	.34689	239.62	.23622	5.8066	7.4231	2.1699	2.1699	59.519	.85974	141.69
#1	201.13	.00024	854.73	.00925	.00229	5.9286	12.687	.00073	.00738	.00000
#2	200.15	-.00093	851.88	.00852	.00206	6.1133	13.083	.00180	.00747	.00114
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00006**	**-.01694**	**.00127**	**.00728**	**-.00119**
Stddev	.00031	.00036	.05279	.00009	.00026	.00259
%RSD	147.98	575.55	311.65	7.2736	3.6231	217.77
#1	.00043	-.00032	-.05427	.00134	.00747	-.00302
#2	-.00001	.00019	.02039	.00121	.00710	.00064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6215.1**	**67485.**	**6485.0**
Stddev	30.1	508.	83.9
%RSD	.48463	.75249	1.2937
#1	6193.8	67844.	6544.4
#2	6236.4	67126.	6425.7

Sample Name: 280-49081-a-4-a Acquired: 11/15/2013 0:47:55 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01960**	**.07447**	**-.00076**	**.48556**	**.00171**	**.00001**	**.00290**	**2.3598**	**-.00020**	**-.00045**
Stddev	.00033	.00021	.00192	.00059	.00001	.00017	.00013	.0252	.00005	.00013
%RSD	1.7025	.28137	250.73	.12090	.36013	1286.1	4.3205	1.0686	27.259	29.270
#1	.01936	.07461	.00059	.48514	.00171	.00013	.00281	2.3777	-.00016	-.00055
#2	.01983	.07432	-.00212	.48597	.00170	-.00011	.00298	2.3420	-.00024	-.00036
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01118**	**.05061**	**.01748**	**43.487**	**.03188**	**4.8532**	**.00079**	**.08419**	RW **4693.3**	**.47953**
Stddev	.00023	.00028	.00016	.295	.00024	.0043	.00010	.00004	7.8	.00005
%RSD	2.0892	.55235	.92701	.67773	.75684	.08973	12.356	.04994	.16629	.01046
#1	.01102	.05081	.01760	43.279	.03205	4.8563	.00086	.08422	4698.9	.47956
#2	.01135	.05042	.01737	43.696	.03171	4.8501	.00072	.08417	4687.8	.47949
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **215.93**	**-.00034**	F **1070.0**	**.00652**	**.00112**	**6.6915**	**14.320**	**.00068**	**.01029**	**.00161**
Stddev	.09	.00036	1.4	.00068	.00420	.0244	.052	.00044	.00003	.00205
%RSD	.04039	106.41	.13246	10.489	376.35	.36506	.36506	64.847	.32650	127.32
#1	215.87	-.00060	1069.0	.00700	.00409	6.7088	14.357	.00037	.01032	.00016
#2	215.99	-.00008	1071.0	.00603	-.00185	6.6742	14.283	.00099	.01027	.00306
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00057**	**-.02394**	**.00128**	**.00892**	**.00082**
Stddev	.00022	.00065	.00281	.00015	.00012	.00129
%RSD	345.68	113.24	11.734	11.419	1.3655	156.46
#1	-.00009	.00103	-.02592	.00138	.00884	.00173
#2	.00022	.00011	-.02195	.00117	.00901	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5841.8**	**63556.**	**6298.2**
Stddev	1.6	246.	43.7
%RSD	.02774	.38652	.69310
#1	5842.9	63382.	6267.4
#2	5840.6	63729.	6329.1

Sample Name: 280-49081-a-5-a Acquired: 11/15/2013 0:50:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03711**	**.04348**	**.00208**	**2.5739**	**.00162**	**-.00002**	**.00367**	**1.2973**	**.00121**	**.00025**
Stddev	.00012	.00034	.00151	.0028	.00009	.00003	.00038	.0156	.00003	.00012
%RSD	.31121	.78906	72.476	.10733	5.3913	134.33	10.377	1.2004	2.8088	49.044
#1	.03719	.04373	.00101	2.5720	.00169	-.00005	.00394	1.2863	.00119	.00033
#2	.03703	.04324	.00314	2.5759	.00156	.00000	.00340	1.3083	.00124	.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00292**	**.01931**	**.01607**	**53.825**	**.03787**	**4.4284**	**.00042**	**.02100**	RW **5926.9**	**.47844**
Stddev	.00005	.00051	.00098	.833	.00071	.0217	.00001	.00004	62.8	.00069
%RSD	1.7167	2.6291	6.0980	1.5470	1.8671	.48924	2.5859	.17043	1.0594	.14511
#1	.00289	.01895	.01537	53.236	.03737	4.4131	.00042	.02103	5882.6	.47893
#2	.00296	.01967	.01676	54.414	.03837	4.4437	.00043	.02098	5971.3	.47795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									500.00	
Low Limit									11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **867.40**	**-.00017**	F **1330.9**	**.01331**	**.00280**	**5.6279**	**12.044**	**-.00011**	**.00546**	**.00197**
Stddev	5.99	.00033	3.5	.00127	.00485	.0935	.200	.00039	.00018	.00221
%RSD	.69034	187.95	.26633	9.5627	173.29	1.6611	1.6611	369.09	3.2328	112.08
#1	871.64	.00006	1328.4	.01241	-.00063	5.5618	11.902	-.00038	.00533	.00354
#2	863.17	-.00040	1333.4	.01421	.00623	5.6940	12.185	.00017	.00558	.00041
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00031**	**.00042**	**-.03098**	**.00265**	**.00702**	**-.00082**
Stddev	.00052	.00034	.03241	.00030	.00016	.00149
%RSD	168.11	80.282	104.63	11.395	2.2483	182.35
#1	.00006	.00066	-.05390	.00243	.00691	-.00187
#2	-.00068	.00018	-.00806	.00286	.00714	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5777.5**	**62452.**	**6190.3**
Stddev	23.9	393.	23.3
%RSD	.41375	.62953	.37715
#1	5760.6	62730.	6206.9
#2	5794.4	62174.	6173.8

Sample Name: 280-49081-a-6-a Acquired: 11/15/2013 0:54:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04502**	**.16837**	**.00935**	**2.7522**	**.00326**	**.00018**	**.00393**	**2.3981**	**.00248**	**.00098**
Stddev	.00093	.00164	.00049	.0085	.00041	.00003	.00225	.0667	.00018	.00024
%RSD	2.0768	.97496	5.2928	.30904	12.580	19.017	57.200	2.7799	7.2943	24.723
#1	.04568	.16721	.00900	2.7462	.00297	.00016	.00552	2.3510	.00261	.00080
#2	.04436	.16953	.00970	2.7582	.00355	.00020	.00234	2.4452	.00235	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01831**	**.16539**	**.02314**	W **101.70**	**.09168**	**5.2692**	**.00088**	**.03969**	RF **12657.**	**.78394**
Stddev	.00004	.00059	.00198	5.13	.00477	.0270	.00009	.00006	1018.	.00233
%RSD	.22160	.35470	8.5680	5.0460	5.2042	.51248	10.206	.14116	8.0412	.29743
#1	.01834	.16581	.02174	98.068	.08831	5.2501	.00094	.03973	11938.	.78229
#2	.01828	.16498	.02454	105.32	.09505	5.2883	.00081	.03965	13377.	.78559
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				100.00					10000.	
Low Limit				-.50000					9.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **1053.0**	**-.00103**	F **2379.4**	**.01373**	**.00649**	**7.8054**	**16.704**	**.00426**	**.01039**	**.00181**
Stddev	10.3	.00138	1.4	.00096	.00078	.2288	.490	.00119	.00033	.00003
%RSD	.97861	134.32	.05839	6.9789	12.092	2.9306	2.9306	27.865	3.1835	1.6777
#1	1045.7	-.00005	2380.4	.01305	.00704	7.6437	16.357	.00510	.01016	.00179
#2	1060.3	-.00200	2378.4	.01441	.00593	7.9672	17.050	.00342	.01063	.00183
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00092**	**-.03057**	**.00153**	**.01143**	**-.00025**
Stddev	.00010	.00157	.00544	.00014	.00020	.00162
%RSD	32.557	170.71	17.792	9.1982	1.7683	651.23
#1	.00037	.00019	-.03442	.00163	.01129	.00089
#2	.00023	-.00203	-.02672	.00143	.01157	-.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5248.0**	**55871.**	**6079.3**
Stddev	3.9	179.	192.5
%RSD	.07392	.31991	3.1667
#1	5245.3	55997.	6215.4
#2	5250.8	55745.	5943.2

Sample Name: 280-49081-a-7-a Acquired: 11/15/2013 0:57:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200655 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05772**	**.13367**	**.00355**	**2.4088**	**.00148**	**-.00003**	**.00294**	**1.4624**	**.00161**	**.00062**
Stddev	.00100	.00206	.00102	.0244	.00039	.00014	.00073	.1025	.00002	.00015
%RSD	1.7253	1.5384	28.884	1.0146	26.387	461.08	24.727	7.0055	1.0541	23.240
#1	.05701	.13222	.00427	2.3916	.00120	.00007	.00346	1.3899	.00163	.00052
#2	.05842	.13513	.00282	2.4261	.00175	-.00013	.00243	1.5348	.00160	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02071**	**.03979**	**.01214**	W **107.41**	**.04038**	**3.0473**	**.00064**	**.02210**	RW **7977.6**	**.62383**
Stddev	.00021	.00054	.00202	7.95	.00157	.0340	.00004	.00010	525.5	.00849
%RSD	1.0125	1.3466	16.646	7.4010	3.8846	1.1171	6.1431	.43566	6.5876	1.3611
#1	.02056	.03941	.01071	101.79	.03927	3.0232	.00061	.02204	7606.0	.61782
#2	.02085	.04017	.01357	113.03	.04149	3.0713	.00067	.02217	8349.3	.62983
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit				100.00					500.00	
Low Limit				-.50000					11.000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **991.68**	**-.00089**	F **1923.7**	**.00622**	**.00585**	**6.6756**	**14.286**	**.00182**	**.00596**	**.00096**
Stddev	6.63	.00174	3.6	.00099	.00447	.4624	.990	.00174	.00039	.00083
%RSD	.66823	196.24	.18776	15.905	76.498	6.9266	6.9266	95.817	6.5244	86.181
#1	986.99	-.00212	1921.2	.00552	.00269	6.3486	13.586	.00305	.00569	.00155
#2	996.36	.00034	1926.3	.00692	.00901	7.0025	14.985	.00059	.00624	.00038
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	50.000		200.00							
Low Limit	-2.0000		-.20000							

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**-.00013**	**-.01955**	**.00122**	**.00720**	**-.00001**
Stddev	.00031	.00125	.00761	.00051	.00010	.00110
%RSD	862.07	984.37	38.898	41.886	1.4530	18664.
#1	-.00019	.00076	-.01418	.00159	.00713	-.00079
#2	.00026	-.00101	-.02493	.00086	.00727	.00077
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**5413.3**	**59588.**	**6310.2**
Stddev	43.8	549.	298.0
%RSD	.80965	.92081	4.7232
#1	5444.3	59976.	6520.9
#2	5382.3	59200.	6099.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:00:27 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00724**	**48.719**	**.00097**	**.01057**	**.00038**	**-.00004**	W **1.0722**	**.01438**	**.00085**	**-.00093**	**.00033**	**-.00708**
Stddev	.00010	.249	.00105	.00018	.00009	.00002	.0032	.00336	.00025	.00004	.00008	.00050
%RSD	1.3220	.51171	107.64	1.6614	23.327	46.866	.30143	23.379	29.988	4.2997	25.029	7.0668
#1	-.00731	48.895	.00023	.01045	.00032	-.00005	1.0745	.01200	.00067	-.00095	.00039	-.00744
#2	-.00717	48.543	.00171	.01069	.00045	-.00003	1.0699	.01676	.00103	-.00090	.00028	-.00673
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.244**	**1.0161**	**.00307**	**.05323**	**-.00017**	**.00023**	**257.25**	**-.00103**	**.49668**	**-.00258**	F **5.5628**	**-.00017**
Stddev	.167	.0549	.00120	.00093	.00006	.00034	4.05	.00053	.48043	.00055	.2690	.00070
%RSD	.32590	5.4025	39.163	1.7506	34.852	144.73	1.5734	50.967	96.727	21.309	4.8362	409.97
#1	51.362	1.0549	.00222	.05257	-.00013	-.00001	260.11	-.00141	.15697	-.00219	5.3726	.00033
#2	51.126	.97730	.00392	.05389	-.00021	.00047	254.38	-.00066	.83640	-.00296	5.7531	-.00067
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Fail	None
Value											5.0000	
Range											10.490%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00475**	**.00576**	**.01233**	**.00007**	**-.00005**	**5.0930**	**.01384**	**.00166**	F **8.3113**	**.00104**	**.00264**	**-.07746**
Stddev	.00200	.02429	.05197	.00017	.00006	.0010	.00021	.00015	.0836	.00008	.00001	.00152
%RSD	42.056	421.57	421.57	232.36	109.81	.01992	1.5162	8.8290	1.0060	7.3486	.51413	1.9613
#1	-.00334	.02293	.04908	.00019	-.00001	5.0937	.01369	.00156	8.2522	.00098	.00265	-.07853
#2	-.00616	-.01141	-.02442	-.00005	-.00009	5.0922	.01398	.00177	8.3705	.00109	.00263	-.07638
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6774.0**	**75530.**	**6393.9**
Stddev	29.2	322.	18.8
%RSD	.43081	.42573	.29423
#1	6753.4	75302.	6380.6
#2	6794.7	75757.	6407.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:02:52 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W .55031	.54344	1.0577	.53965	.51201	.47043	-.01012	4.6330	.48799	.50731	.54316	.50626
Stddev	.00020	.00101	.0022	.00054	.00029	.00133	.00055	.0062	.00002	.00041	.00103	.00284
%RSD	.03720	.18572	.20463	.10038	.05635	.28338	5.4749	.13416	.00378	.08160	.18991	.56167
#1	.55046	.54416	1.0592	.53927	.51221	.46949	-.00973	4.6286	.48800	.50761	.54243	.50425
#2	.55017	.54273	1.0562	.54004	.51180	.47138	-.01051	4.6374	.48798	.50702	.54389	.50827
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.000%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6065	49.037	1.0097	20.841	.50117	.52891	F 7.4861	.54914	F 1.1072	.96135	.22038	1.0228
Stddev	.0023	.116	.0023	.055	.00100	.00072	.0011	.00080	.0014	.00426	.00219	.0005
%RSD	.08829	.23624	.22371	.26599	.19984	.13525	.01469	.14550	.12797	.44359	.99595	.05196
#1	2.6048	49.119	1.0081	20.880	.50188	.52841	7.4854	.54858	1.1082	.95834	.22194	1.0232
#2	2.6081	48.955	1.0113	20.802	.50047	.52942	7.4869	.54971	1.1062	.96437	.21883	1.0224
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass	None	Chk Pass
Value							5.0000		1.0000			
Range							10.490%		10.490%			

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0736	5.1234	10.964	1.0455	.49555	.00612	.51395	1.0026	-.06223	.48741	.52235	.48555
Stddev	.0053	.0098	.021	.0026	.00086	.00150	.00174	.0019	.01662	.00001	.00261	.00042
%RSD	.49393	.19064	.19064	.25083	.17266	24.530	.33803	.19362	26.706	.00203	.50025	.08663
#1	1.0698	5.1303	10.979	1.0436	.49615	.00506	.51517	1.0012	-.07398	.48742	.52420	.48525
#2	1.0773	5.1165	10.949	1.0473	.49494	.00718	.51272	1.0039	-.05048	.48741	.52051	.48585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6777.1	75812.	6230.2
Stddev	11.8	286.	28.3
%RSD	.17461	.37782	.45472
#1	6768.8	75609.	6250.3
#2	6785.5	76014.	6210.2

Sample Name: CCB Acquired: 11/15/2013 1:05:01 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00109**	**-.00085**	**.00067**	F **.00707**	**.00053**	**.00008**	**.00230**	**-.00334**	**-.00006**	**-.00005**	**-.00008**
Stddev	.00034	.00155	.00116	.00041	.00040	.00003	.00187	.00121	.00001	.00002	.00011
%RSD	31.296	181.22	174.48	5.8320	75.111	37.197	81.292	36.330	17.813	47.707	134.29
#1	-.00134	.00024	.00149	.00736	.00025	.00006	.00363	-.00420	-.00006	-.00006	.00000
#2	-.00085	-.00195	-.00016	.00678	.00081	.00010	.00098	-.00248	-.00005	-.00003	-.00016
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093			.00700							
Low Limit	-.00093			-.00700							

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00082**	**-.00069**	F **.48156**	**.00022**	**.00326**	**.00011**	**.00025**	F **1.8956**	**-.00010**	F **.02767**	**-.00026**
Stddev	.00062	.00153	.00073	.00078	.00151	.00002	.00006	.0214	.00062	.00097	.00054
%RSD	76.083	220.47	.15227	347.03	46.164	15.319	25.059	1.1279	604.92	3.5241	207.23
#1	-.00125	.00039	.48208	.00077	.00220	.00010	.00021	1.9107	-.00054	.02835	.00012
#2	-.00038	-.00177	.48104	-.00033	.00433	.00012	.00030	1.8805	.00034	.02698	-.00064
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
High Limit			.25000					.18320		.02700	
Low Limit			-.25000					-.18320		-.02700	

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18151**	F **.00691**	**.00069**	**.00534**	**.01143**	**-.00020**	**-.00016**	**.00491**	**.00017**	**.00133**	**-.04136**
Stddev	.00607	.00083	.00092	.01018	.02179	.00071	.00018	.00091	.00003	.00062	.01887
%RSD	3.3438	11.977	133.03	190.60	190.60	357.66	111.67	18.483	17.983	46.083	45.614
#1	.18580	.00632	.00004	.01254	.02684	-.00070	-.00003	.00555	.00019	.00177	-.05470
#2	.17721	.00749	.00134	-.00186	-.00398	.00030	-.00029	.00426	.00015	.00090	-.02802
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00020**	**.00324**	**-.00155**
Stddev	.00031	.00015	.00068
%RSD	157.19	4.6072	43.722
#1	.00042	.00335	-.00107
#2	-.00002	.00314	-.00203
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6774.6**	**76398.**	**6236.0**
Stddev	.5	11.	32.9
%RSD	.00748	.01418	.52823
#1	6774.9	76406.	6212.8
#2	6774.2	76391.	6259.3

Sample Name: CCVL2379751 Acquired: 11/15/2013 1:07:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00983**	**.11236**	**.01662**	**.11142**	**.01078**	**.00096**	**.12134**	**.18380**	**.00476**	**.01032**	**.01111**	**.01427**	**.10729**
Stddev	.00034	.00022	.00002	.00035	.00030	.00007	.00214	.00183	.00010	.00015	.00012	.00036	.00116
%RSD	3.5076	.19869	.11782	.31195	2.7481	7.6029	1.7598	.99544	2.0536	1.4750	1.0866	2.5028	1.0823
#1	.01007	.11220	.01663	.11166	.01057	.00091	.11983	.18251	.00469	.01021	.01120	.01402	.10811
#2	.00958	.11252	.01660	.11117	.01099	.00101	.12285	.18510	.00483	.01043	.01103	.01452	.10647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2780**	**.00952**	**.21652**	**.01022**	**.02065**	F **2.7280**	**.04467**	**3.1372**	**.00819**	**.12588**	**.00981**	**.01478**	**.50172**
Stddev	.0029	.00073	.00206	.00000	.00021	.0207	.00021	.0091	.00109	.00148	.00043	.00487	.00219
%RSD	.08812	7.6398	.95206	.04761	1.0364	.75718	.46594	.29106	13.349	1.1720	4.3708	32.947	.43554
#1	3.2800	.00901	.21798	.01022	.02080	2.7426	.04482	3.1437	.00742	.12483	.00951	.01823	.50017
#2	3.2759	.01004	.21506	.01022	.02050	2.7134	.04453	3.1308	.00897	.12692	.01011	.01134	.50326
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0737**	**.10737**	**.00989**	**.01696**	**.00987**	**.01633**	**.05716**	**.01000**	**.02491**	**.01269**
Stddev	.0047	.00081	.00010	.00136	.00001	.00024	.01170	.00071	.00024	.00168
%RSD	.43554	.75375	.96573	8.0178	.15065	1.4628	20.476	7.1343	.98034	13.225
#1	1.0704	.10680	.00983	.01792	.00986	.01650	.04888	.00949	.02509	.01151
#2	1.0770	.10794	.00996	.01600	.00988	.01616	.06544	.01050	.02474	.01388
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6990.0**	**78431.**	**6309.5**
Stddev	34.2	317.	13.2
%RSD	.48949	.40430	.20909
#1	6965.8	78207.	6300.1
#2	7014.2	78655.	6318.8

Sample Name: mb 280-200881/1-a Acquired: 11/15/2013 1:09:47 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F -.00084	.00253	-.00110	W .00444	.00025	-.00001	.00513	.00437	-.00011	-.00022
Stddev	.00020	.00038	.00154	.00001	.00040	.00002	.00170	.00011	.00001	.00001
%RSD	23.360	14.897	140.37	.30314	158.83	337.93	33.251	2.4406	13.203	2.9750
#1	-.00070	.00227	-.00219	.00443	-.00003	-.00002	.00392	.00429	-.00012	-.00022
#2	-.00098	.00280	-.00001	.00445	.00053	.00001	.00633	.00444	-.00010	-.00022
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000			.00392						
Low Limit	-.00010			-.00500						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00009	-.00067	.00295	W .34290	.00029	.00247	.00012	-.00004	F 1.3028	-.00003
Stddev	.00035	.00005	.00088	.00897	.00178	.00206	.00005	.00012	.0037	.00058
%RSD	375.75	7.3363	29.926	2.6154	607.87	83.738	45.676	319.38	.28380	2176.1
#1	.00034	-.00070	.00358	.33656	-.00097	.00101	.00016	-.00012	1.3054	.00039
#2	-.00015	-.00063	.00233	.34924	.00155	.00393	.00008	.00005	1.3002	-.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
High Limit				.32279					1.0000	
Low Limit				-1.0000					-1.0000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .01598	-.00041	F .13638	.00177	-.00054	.00823	.01760	-.00099	-.00020	W .00174
Stddev	.00135	.00012	.00477	.00091	.00070	.00043	.00091	.00018	.00002	.00165
%RSD	8.4704	30.788	3.4990	51.728	130.30	5.1908	5.1908	18.343	10.002	94.713
#1	.01694	-.00032	.13975	.00241	-.00103	.00792	.01696	-.00112	-.00018	.00291
#2	.01502	-.00049	.13300	.00112	-.00004	.00853	.01825	-.00086	-.00021	.00058
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit	.01000		.01000							.00000
Low Limit	-.01000		-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.00006	.00077	-.00924	.00015	.00321	-.00131
Stddev	.00009	.00042	.00071	.00039	.00018	.00092
%RSD	147.47	53.813	7.6330	254.15	5.7661	70.634
#1	.00012	.00107	-.00974	.00043	.00334	-.00065
#2	.00000	.00048	-.00874	-.00012	.00308	-.00196
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6974.4	79119.	6454.7
Stddev	20.6	296.	15.8
%RSD	.29518	.37407	.24495
#1	6959.9	78909.	6443.5
#2	6989.0	79328.	6465.8

Sample Name: lcs 280-200881/2-a Acquired: 11/15/2013 1:12:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.05351	2.0454	1.0682	1.1027	2.0478	.04749	2.1852	45.214	.09749	.49293
Stddev	.00073	.0129	.0048	.0109	.0071	.00009	.0149	.243	.00057	.00204
%RSD	1.3682	.63098	.44645	.99246	.34636	.18565	.68116	.53793	.58734	.41332
#1	.05299	2.0362	1.0648	1.0949	2.0427	.04743	2.1747	45.042	.09708	.49149
#2	.05403	2.0545	1.0715	1.1104	2.0528	.04756	2.1958	45.386	.09789	.49437
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.21847	.25130	1.0425	49.399	1.0192	51.740	.49069	1.0702	51.950	.53493
Stddev	.00146	.00163	.0008	.452	.0020	.259	.00251	.0029	.409	.00352
%RSD	.66730	.64947	.07824	.91500	.19337	.49970	.51244	.26671	.78761	.65771
#1	.21744	.25245	1.0420	49.079	1.0178	51.923	.49247	1.0682	51.661	.53244
#2	.21950	.25015	1.0431	49.718	1.0206	51.557	.48891	1.0722	52.240	.53742
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.818	.46449	.18141	.52212	2.1768	10.435	22.331	2.1032	.99211	1.0161
Stddev	.071	.00326	.04653	.00024	.0110	.024	.051	.0072	.00353	.0063
%RSD	.65776	.70107	25.649	.04658	.50282	.22970	.22970	.34200	.35544	.61856
#1	10.768	.46219	.14851	.52194	2.1690	10.418	22.295	2.0981	.98962	1.0206
#2	10.868	.46679	.21432	.52229	2.1845	10.452	22.367	2.1083	.99460	1.0117
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0413	1.9307	F 3.3124	.48365	.50683	.47852
Stddev	.0053	.0022	.0044	.00341	.00035	.00239
%RSD	.50752	.11534	.13156	.70537	.06901	.49932
#1	1.0450	1.9322	3.3155	.48606	.50658	.47683
#2	1.0375	1.9291	3.3093	.48124	.50707	.48021
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6687.5	75444.	6396.5
Stddev	29.6	389.	6.1
%RSD	.44291	.51513	.09499
#1	6708.4	75718.	6392.2
#2	6666.5	75169.	6400.8

Sample Name: 280-49163-c-1-d Acquired: 11/15/2013 1:14:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.17701**	**-.00009**	**.02772**	**.07945**	**.00007**	**.00273**	**51.801**	**.00021**	**.00000**
Stddev	.00007	.00715	.00018	.00239	.00039	.00005	.00179	.059	.00025	.0004
%RSD	4.8223	4.0397	192.33	8.6184	.48470	64.262	65.667	.11387	116.66	15417.
#1	-.00154	.17195	-.00022	.02603	.07918	.00004	.00146	51.843	.00004	-.00027
#2	-.00144	.18207	.00003	.02941	.07972	.00010	.00400	51.759	.00038	.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**-.00025**	**.28351**	**1.9655**	**.00370**	**17.184**	**.10072**	**.00210**	**60.848**	**.00114**
Stddev	.00014	.00045	.00043	.0460	.00005	.018	.00000	.00039	.008	.00139
%RSD	39.322	182.23	.15049	2.3402	1.3131	.10418	.00031	18.431	.01234	122.34
#1	.00026	-.00056	.28382	1.9330	.00373	17.171	.10072	.00183	60.842	.00015
#2	.00045	.00007	.28321	1.9980	.00366	17.197	.10072	.00238	60.853	.00212
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9907**	**-.00144**	**24.451**	**-.00001**	**-.00109**	**5.5174**	**11.807**	**-.00053**	**.79886**	**.00466**
Stddev	2.6281	.00070	2.191	.00163	.00217	.0284	.061	.00070	.00109	.00033
%RSD	132.02	48.573	8.9608	13560.	199.73	.51479	.51479	133.05	.13611	7.1091
#1	.13239	-.00193	22.902	-.00116	.00045	5.4973	11.764	-.00103	.79963	.00490
#2	3.8491	-.00094	26.000	.00114	-.00262	5.5375	11.850	-.00003	.79809	.00443
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00450**	**.00349**	**-.04901**	**.00149**	**.00500**	**.00084**
Stddev	.00002	.00049	.01798	.00008	.00011	.00175
%RSD	.33895	13.943	36.686	5.5942	2.1949	207.85
#1	.00451	.00315	-.06172	.00143	.00492	.00208
#2	.00449	.00384	-.03629	.00155	.00508	-.00040
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6754.7**	**75956.**	**6368.7**
Stddev	10.0	184.	16.0
%RSD	.14732	.24194	.25066
#1	6761.8	76086.	6357.4
#2	6747.7	75826.	6380.0

Sample Name: 280-49163-c-2-b Acquired: 11/15/2013 1:16:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.02523**	**-.00177**	**.02305**	**.07181**	**.00002**	**.00200**	**48.225**	**.00016**	**-.00018**
Stddev	.00051	.00009	.00028	.00001	.00006	.00002	.00091	.139	.00006	.00012
%RSD	41.214	.37267	16.094	.02219	.08708	102.14	45.350	.28801	38.504	65.777
#1	-.00088	.02516	-.00157	.02304	.07185	.00004	.00136	48.323	.00020	-.00009
#2	-.00160	.02530	-.00197	.02305	.07176	.00001	.00264	48.127	.00012	-.00026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**-.00035**	**.13654**	**1.7934**	**.00321**	**14.796**	**.06358**	**.00155**	**60.647**	**.00049**
Stddev	.00006	.00034	.00495	.0158	.00265	.085	.00032	.00010	.279	.00002
%RSD	155.67	97.165	3.6275	.87924	82.723	.57158	.49622	6.3273	.46040	3.3609
#1	.00000	-.00011	.13304	1.8046	.00133	14.736	.06336	.00148	60.845	.00048
#2	-.00008	-.00060	.14004	1.7823	.00508	14.856	.06380	.00162	60.450	.00051
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01959**	**.00006**	**21.101**	**.00055**	**.00342**	**5.6070**	**11.999**	**-.00021**	**.71356**	**.00238**
Stddev	.00899	.00000	.026	.00121	.00504	.0079	.017	.00044	.00146	.00051
%RSD	45.888	7.1620	.12196	219.81	147.19	.14038	.14038	210.24	.20437	21.258
#1	.02595	.00006	21.082	.00140	-.00014	5.6125	12.011	.00010	.71253	.00202
#2	.01324	.00006	21.119	-.00030	.00698	5.6014	11.987	-.00052	.71459	.00274
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**-.00008**	**-.03334**	**-.00013**	**.00406**	**-.00165**
Stddev	.00014	.00108	.02074	.00003	.00006	.00082
%RSD	25.503	1350.5	62.211	26.777	1.3549	49.871
#1	.00065	-.00084	-.04800	-.00015	.00402	-.00223
#2	.00045	.00068	-.01867	-.00010	.00410	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6781.1**	**76004.**	**6339.1**
Stddev	6.6	680.	77.0
%RSD	.09705	.89449	1.2142
#1	6776.5	76485.	6284.7
#2	6785.8	75523.	6393.5

Sample Name: 280-49163-c-2-bSD@5 Acquired: 11/15/2013 1:19:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00164**	**.01089**	**.00048**	**.00704**	**.01471**	**.00002**	**.00399**	**9.6564**	**-.00025**	**-.00011**
Stddev	.00002	.00012	.00266	.00025	.00030	.00002	.00105	.0016	.00000	.00015
%RSD	1.0961	1.1403	557.27	3.4881	2.0411	68.077	26.219	.01674	.70437	134.96
#1	-.00165	.01097	-.00140	.00721	.01493	.00001	.00473	9.6575	-.00025	-.00022
#2	-.00162	.01080	.00236	.00686	.01450	.00004	.00325	9.6553	-.00025	-.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00057**	**.03884**	**.53151**	**.00237**	**2.9848**	**.01284**	**.00011**	**12.149**	**.00006**
Stddev	.00002	.00001	.00096	.03030	.00071	.0100	.00002	.00013	.208	.00007
%RSD	14.513	1.7022	2.4780	5.7009	29.937	.33360	.18264	122.67	1.7159	115.98
#1	.00016	-.00056	.03952	.55294	.00287	2.9777	.01282	.00020	12.002	.00011
#2	.00013	-.00058	.03816	.51009	.00187	2.9918	.01286	.00001	12.296	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00511**	**-.00026**	**4.1469**	**-.00128**	**.00138**	**1.0856**	**2.3232**	**.00100**	**.14228**	**.00406**
Stddev	.00060	.00012	.0204	.00200	.00132	.0141	.0302	.00022	.00019	.00072
%RSD	11.720	43.761	.49104	156.26	95.765	1.3012	1.3012	21.679	.13345	17.807
#1	.00554	-.00035	4.1325	.00013	.00044	1.0756	2.3019	.00115	.14242	.00457
#2	.00469	-.00018	4.1613	-.00269	.00231	1.0956	2.3446	.00084	.14215	.00355
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00029**	**-.00008**	**-.04267**	**-.00043**	**.00527**	**.00006**
Stddev	.00007	.00126	.00969	.00063	.00003	.00097
%RSD	24.403	1510.7	22.708	147.87	.62779	1570.3
#1	.00024	-.00097	-.04953	-.00087	.00529	.00075
#2	.00035	.00081	-.03582	.00002	.00524	-.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6881.2**	**78095.**	**6369.6**
Stddev	17.3	87.	6.5
%RSD	.25068	.11176	.10222
#1	6893.4	78033.	6374.2
#2	6869.0	78157.	6365.0

Sample Name: 280-49163-c-2-c ms Acquired: 11/15/2013 1:21:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05292**	**2.0061**	**1.0627**	**1.1000**	**2.0834**	**.04657**	F **2.1419**	**90.927**	**.09612**	**.48049**
Stddev	.00008	.0034	.0083	.0017	.0015	.00038	.0006	.146	.00008	.00082
%RSD	.16031	.16888	.78005	.15581	.07121	.81553	.02569	.16019	.08296	.17013
#1	.05298	2.0037	1.0568	1.0988	2.0845	.04631	2.1423	90.824	.09606	.47991
#2	.05286	2.0085	1.0686	1.1012	2.0824	.04684	2.1415	91.030	.09617	.48107
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21280**	**.24862**	**1.1458**	**50.597**	**1.0160**	**65.019**	**.54099**	**1.0536**	**107.97**	**.51890**
Stddev	.00007	.00106	.0037	.118	.0023	.131	.00024	.0002	.21	.00022
%RSD	.03359	.42656	.32557	.23414	.22975	.20207	.04521	.01747	.19284	.04164
#1	.21275	.24787	1.1484	50.514	1.0143	64.926	.54082	1.0534	108.11	.51875
#2	.21285	.24937	1.1432	50.681	1.0177	65.111	.54116	1.0537	107.82	.51906
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.817**	**.45085**	**20.846**	**.51417**	**2.1506**	**15.688**	**33.573**	W **2.0450**	**1.6737**	**.99718**
Stddev	.005	.00098	.005	.00241	.0044	.056	.120	.0042	.0016	.00229
%RSD	.04735	.21741	.02433	.46783	.20662	.35812	.35812	.20408	.09682	.22959
#1	10.813	.45016	20.850	.51587	2.1538	15.648	33.488	2.0421	1.6725	.99556
#2	10.821	.45154	20.843	.51247	2.1475	15.728	33.658	2.0480	1.6748	.99880
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0264**	**1.8437**	**3.2468**	**.47995**	**.49603**	**.47037**
Stddev	.0001	.0080	.0512	.00107	.00145	.00187
%RSD	.00953	.43445	1.5754	.22276	.29260	.39761
#1	1.0263	1.8380	3.2830	.48070	.49501	.46905
#2	1.0264	1.8493	3.2107	.47919	.49706	.47170
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6664.9**	**75202.**	**6417.0**
Stddev	5.2	67.	7.3
%RSD	.07775	.08973	.11421
#1	6668.6	75250.	6411.8
#2	6661.2	75155.	6422.2

Sample Name: 280-49163-c-2-d msd Acquired: 11/15/2013 1:23:28 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05269**	**1.9995**	**1.0598**	**1.0975**	**2.0814**	**.04713**	F **2.1386**	**91.286**	**.09631**	**.47693**
Stddev	.00039	.0010	.0053	.0101	.0003	.00011	.0109	.046	.00084	.00054
%RSD	.74404	.04783	.49840	.91820	.01479	.22282	.51109	.05054	.87202	.11235
#1	.05241	1.9988	1.0561	1.0904	2.0812	.04706	2.1309	91.318	.09572	.47655
#2	.05297	2.0001	1.0635	1.1046	2.0816	.04721	2.1463	91.253	.09691	.47731
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21250**	**.24824**	**1.1590**	**50.657**	**1.0108**	**64.940**	**.53975**	**1.0479**	**108.76**	**.51741**
Stddev	.00187	.00094	.0037	.127	.0016	.197	.00002	.0024	.02	.00404
%RSD	.87983	.37681	.31751	.25094	.15544	.30358	.00436	.23216	.01787	.78123
#1	.21118	.24890	1.1564	50.747	1.0119	65.079	.53973	1.0462	108.75	.51455
#2	.21382	.24758	1.1616	50.567	1.0097	64.800	.53977	1.0496	108.78	.52027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.744**	**.44796**	**20.864**	**.51581**	**2.1473**	**15.954**	**34.142**	W **2.0421**	**1.6782**	**.99208**
Stddev	.001	.00284	.049	.00160	.0148	.093	.198	.0137	.0012	.00142
%RSD	.01012	.63337	.23672	.31037	.68784	.58028	.58028	.67238	.06823	.14299
#1	10.743	.44595	20.829	.51468	2.1368	15.889	34.002	2.0324	1.6790	.99107
#2	10.745	.44996	20.899	.51694	2.1577	16.020	34.282	2.0518	1.6774	.99308
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0240**	**1.8394**	**3.2596**	**.47913**	**.49320**	**.47661**
Stddev	.0000	.0139	.0253	.00081	.00258	.00092
%RSD	.00208	.75330	.77481	.16891	.52275	.19304
#1	1.0240	1.8296	3.2774	.47856	.49502	.47726
#2	1.0240	1.8492	3.2417	.47970	.49137	.47596
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.1**	**74696.**	**6436.4**
Stddev	22.6	76.	14.2
%RSD	.33907	.10108	.22073
#1	6682.1	74643.	6426.4
#2	6650.2	74750.	6446.5

Sample Name: 280-49163-c-3-b Acquired: 11/15/2013 1:25:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.53840**	**-.00195**	**.01960**	**.07613**	**.00008**	**.00330**	**53.050**	**.00012**	**.00009**
Stddev	.00027	.00267	.00066	.00043	.00047	.00005	.00066	.139	.00007	.00010
%RSD	18.005	.49580	33.717	2.2042	.61943	57.890	19.978	.26133	59.178	110.29
#1	-.00167	.53651	-.00242	.01991	.07646	.00005	.00376	52.952	.00007	.00016
#2	-.00129	.54029	-.00149	.01930	.07579	.00011	.00283	53.148	.00017	.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00110**	**.79059**	**2.3196**	**.00346**	**14.405**	**.30910**	**.00103**	**32.840**	**.00078**
Stddev	.00003	.00010	.00602	.0063	.00054	.002	.00016	.00001	.358	.00004
%RSD	5.2107	9.2808	.76097	.27306	15.534	.01426	.05131	1.0032	1.0914	5.3251
#1	.00047	.00117	.79484	2.3241	.00384	14.407	.30921	.00104	33.093	.00075
#2	.00051	.00103	.78633	2.3151	.00308	14.404	.30899	.00102	32.586	.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03612**	**-.00032**	**14.012**	**-.00038**	**-.00260**	**6.6379**	**14.205**	**-.00041**	**.73302**	**.00403**
Stddev	.00092	.00044	.005	.00023	.00023	.0478	.102	.00034	.00026	.00007
%RSD	2.5513	136.70	.03626	58.826	8.9907	.71991	.71991	83.545	.03502	1.6158
#1	.03547	-.00001	14.015	-.00022	-.00243	6.6717	14.278	-.00017	.73320	.00399
#2	.03677	-.00063	14.008	-.00054	-.00276	6.6042	14.133	-.00065	.73284	.00408
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01524**	**.00248**	**-.02877**	**.00160**	**.00615**	**.00040**
Stddev	.00060	.00114	.05020	.00019	.00008	.00033
%RSD	3.9617	45.944	174.48	12.068	1.3656	82.562
#1	.01482	.00328	.00673	.00174	.00609	.00017
#2	.01567	.00167	-.06427	.00146	.00621	.00063
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6801.8**	**77501.**	**6392.2**
Stddev	9.3	53.	68.5
%RSD	.13670	.06840	1.0717
#1	6808.3	77538.	6440.7
#2	6795.2	77463.	6343.8

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:27:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00794**	**48.828**	**.00005**	**.00425**	**.00045**	**-.00003**	W **1.0703**	**.02400**	**.00069**	**-.00107**	**.00019**	**-.00724**
Stddev	.00058	.095	.00143	.00038	.00023	.00005	.0061	.00402	.00004	.00001	.00005	.00043
%RSD	7.2450	.19466	2850.8	8.9183	50.812	191.46	.57018	16.738	5.7445	.51205	25.049	5.9259
#1	-.00835	48.895	.00106	.00451	.00029	-.00006	1.0659	.02684	.00067	-.00107	.00015	-.00754
#2	-.00754	48.761	-.00096	.00398	.00062	.00001	1.0746	.02116	.00072	-.00107	.00022	-.00694
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.612**	**.21720**	**.00129**	**.05615**	**-.00018**	**.00075**	**254.86**	**-.00119**	**.00431**	**-.00179**	**5.1505**	**-.00088**
Stddev	.589	.01265	.00148	.00387	.00001	.00009	.63	.00017	.00103	.00090	.0160	.00113
%RSD	1.1639	5.8218	114.68	6.8898	3.9069	11.886	.24634	14.365	23.977	50.500	.31159	128.85
#1	50.196	.22614	.00234	.05888	-.00017	.00081	254.42	-.00132	.00504	-.00115	5.1618	-.00008
#2	51.029	.20826	.00024	.05341	-.00018	.00068	255.31	-.00107	.00358	-.00242	5.1391	-.00168
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00768**	**.00799**	**.01711**	**.00030**	**.00012**	**5.1012**	**.01422**	**.00249**	F **8.4042**	**.00065**	**.00253**	**-.07846**
Stddev	.00122	.00104	.00223	.00161	.00001	.0033	.00062	.00116	.0175	.00063	.00054	.00099
%RSD	15.900	13.048	13.048	541.99	9.3778	.06459	4.3960	46.589	.20791	97.424	21.390	1.2633
#1	-.00854	.00726	.01553	-.00084	.00013	5.1035	.01466	.00331	8.4166	.00110	.00291	-.07776
#2	-.00682	.00873	.01868	.00143	.00011	5.0989	.01377	.00167	8.3919	.00020	.00215	-.07917
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6796.3**	**75596.**	**6325.6**
Stddev	17.6	411.	10.6
%RSD	.25857	.54324	.16832
#1	6808.7	75305.	6333.1
#2	6783.8	75886.	6318.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:30:19 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54871**	**.54732**	**1.0573**	**.53032**	**.50608**	**.46629**	**-.00820**	**4.6517**	**.48467**	**.50412**	**.54058**	**.50356**	**2.6117**
Stddev	.00147	.00006	.0050	.00037	.00459	.00365	.00130	.0310	.00140	.00068	.00164	.00237	.0129
%RSD	.26846	.01016	.47355	.07049	.90617	.78239	15.810	.66608	.28977	.13461	.30337	.47129	.49223
#1	.54767	.54728	1.0538	.53058	.50932	.46887	-.00729	4.6736	.48566	.50460	.54174	.50188	2.6207
#2	.54975	.54736	1.0608	.53005	.50283	.46371	-.00912	4.6298	.48368	.50364	.53942	.50524	2.6026
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**48.411**	**1.0001**	**20.786**	**.49932**	**.52858**	F **5.6086**	**.54476**	**1.0521**	**.96567**	**.06643**	**1.0170**	**1.0733**	**5.1225**
Stddev	.298	.0111	.032	.00040	.00002	.0269	.00068	.0022	.00156	.00320	.0007	.0046	.0314
%RSD	.61633	1.1135	.15187	.08073	.00426	.47963	.12457	.20816	.16149	4.8110	.06442	.42679	.61266
#1	48.622	1.0080	20.808	.49961	.52860	5.6276	.54524	1.0505	.96457	.06417	1.0175	1.0766	5.1447
#2	48.200	.99227	20.764	.49904	.52856	5.5896	.54428	1.0536	.96677	.06869	1.0166	1.0701	5.1003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.962**	**1.0495**	**.49043**	**.00391**	**.51151**	**1.0019**	**-.02050**	**.48629**	**.52194**	**.48760**
Stddev	.067	.0003	.00427	.00155	.00049	.0021	.02150	.00083	.00125	.00354
%RSD	.61266	.02997	.87056	39.760	.09612	.21171	104.91	.17069	.24027	.72588
#1	11.010	1.0493	.49345	.00501	.51186	1.0034	-.00529	.48571	.52283	.49010
#2	10.915	1.0498	.48742	.00281	.51116	1.0004	-.03570	.48688	.52106	.48509
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6816.0**	**76403.**	**6284.3**
Stddev	12.5	183.	41.0
%RSD	.18342	.23920	.65253
#1	6807.2	76274.	6255.3
#2	6824.8	76533.	6313.3

Sample Name: CCB Acquired: 11/15/2013 1:32:28 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00325**	**-.00270**	**.00352**	**.00053**	**-.00003**	**.00399**	**-.00169**	**-.00018**	**-.00016**	**.00007**	**-.00096**
Stddev	.00029	.00075	.00024	.00026	.00011	.00006	.00006	.00093	.00002	.00019	.00009	.00018
%RSD	33.269	23.005	9.0114	7.3857	21.487	191.65	1.5554	54.832	9.4440	117.72	132.64	18.887
#1	-.00067	.00378	-.00252	.00371	.00045	-.00008	.00395	-.00104	-.00017	-.00003	.00000	-.00109
#2	-.00108	.00272	-.00287	.00334	.00061	.00001	.00404	-.00235	-.00019	-.00029	.00014	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00039**	**.17977**	**.00129**	**.00533**	**.00012**	**.00017**	F **.57464**	**-.00026**	**.00137**	**.00065**	**.06319**	W **.00611**
Stddev	.00135	.01987	.00009	.00188	.00007	.00008	.01266	.00015	.00053	.00038	.00498	.00167
%RSD	345.34	11.054	7.3665	35.305	54.833	43.187	2.2037	56.907	38.438	58.411	7.8884	27.284
#1	-.00134	.16572	.00122	.00666	.00017	.00023	.56568	-.00037	.00100	.00092	.06671	.00494
#2	.00056	.19382	.00135	.00400	.00008	.00012	.58359	-.00016	.00174	.00038	.05966	.00729
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.18320					.00314
Low Limit							-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00328**	**.00286**	**.00612**	**-.00039**	**-.00010**	**.00368**	**-.00004**	**.00046**	F **-.06427**	**.00032**	**.00338**	**-.00054**
Stddev	.00305	.01254	.02684	.00021	.00002	.00036	.00014	.00013	.02262	.00012	.00039	.00188
%RSD	93.134	438.24	438.24	52.827	23.351	9.8400	353.70	28.065	35.198	36.450	11.463	344.81
#1	.00544	.01173	.02510	-.00024	-.00012	.00394	-.00014	.00037	-.04827	.00024	.00311	-.00187
#2	.00112	-.00601	-.01285	-.00054	-.00008	.00343	.00006	.00055	-.08026	.00041	.00365	.00078
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit									.05000			
Low Limit									-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6764.2**	**76798.**	**6174.8**
Stddev	10.0	50.	62.1
%RSD	.14834	.06473	1.0059
#1	6771.3	76833.	6130.9
#2	6757.1	76762.	6218.7

Sample Name: CCVL2379751 Acquired: 11/15/2013 1:34:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.11920**	**.01640**	**.10867**	**.01120**	**.00100**	**.12043**	**.24636**	**.00465**	**.01045**	**.01103**	**.01417**	F **.14433**
Stddev	.00002	.00010	.00160	.00041	.00003	.00004	.00121	.00104	.00002	.00001	.00006	.00032	.00554
%RSD	.24243	.08338	9.7242	.37534	.28219	3.7986	1.0020	.42270	.38399	.08836	.57284	2.2436	3.8371
#1	.01022	.11913	.01753	.10896	.01122	.00103	.12129	.24562	.00464	.01044	.01108	.01439	.14825
#2	.01019	.11927	.01528	.10839	.01117	.00097	.11958	.24709	.00467	.01046	.01099	.01394	.14042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
Value													.10000
Range													30.000%

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1194**	**.01205**	**.22389**	**.01077**	**.02085**	F **1.5706**	**.04518**	**3.1359**	**.00883**	**.05120**	**.01146**	**.01326**	**.49977**
Stddev	.0324	.00240	.00079	.00002	.00010	.0057	.00012	.0010	.00019	.00297	.00057	.00104	.01166
%RSD	1.0381	19.915	.35226	.16904	.47439	.36485	.27185	.03137	2.1280	5.7935	5.0064	7.8427	2.3333
#1	3.0965	.01375	.22333	.01076	.02092	1.5746	.04526	3.1366	.00870	.05330	.01106	.01253	.49152
#2	3.1423	.01035	.22445	.01078	.02078	1.5665	.04509	3.1352	.00897	.04910	.01187	.01400	.50801
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0695**	**.12055**	**.00988**	**.01760**	**.01051**	**.01607**	**.05853**	**.01002**	F **.03452**	**.01483**
Stddev	.0250	.00044	.00003	.00100	.00019	.00005	.04387	.00028	.00035	.00173
%RSD	2.3333	.36128	.29650	5.6917	1.8259	.34017	74.959	2.8292	1.0200	11.670
#1	1.0519	.12085	.00986	.01831	.01037	.01611	.08955	.01022	.03477	.01605
#2	1.0871	.12024	.00990	.01689	.01064	.01603	.02751	.00982	.03427	.01360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6993.0**	**77911.**	**6188.4**
Stddev	11.6	52.	47.8
%RSD	.16548	.06664	.77176
#1	7001.2	77948.	6222.2
#2	6984.8	77875.	6154.7

Sample Name: 280-49163-c-4-c Acquired: 11/15/2013 1:37:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00121**	**.21610**	**-.00112**	**.00972**	**.04569**	**.00006**	**.00149**	**25.884**	**.00005**	**.00016**
Stddev	.00010	.00094	.00145	.00088	.00013	.00004	.00180	.017	.00005	.00013
%RSD	8.4499	.43501	130.06	9.0531	.27791	56.160	120.83	.06756	97.724	79.642
#1	-.00128	.21677	-.00215	.01034	.04578	.00009	.00277	25.896	.00002	.00007
#2	-.00114	.21544	-.00009	.00910	.04560	.00004	.00022	25.871	.00009	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00000**	**.57036**	**1.1198**	**.00388**	**6.0713**	**.05039**	**.00054**	**11.458**	**.00087**
Stddev	.00009	.0002	.00701	.0222	.00003	.0318	.00014	.00045	.296	.00023
%RSD	43.856	6084.7	1.2285	1.9795	.65968	.52447	.28367	83.801	2.5848	27.082
#1	.00026	-.00013	.56541	1.1354	.00390	6.0488	.05029	.00022	11.249	.00103
#2	.00014	.00012	.57532	1.1041	.00386	6.0939	.05049	.00086	11.668	.00070
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02124**	**-.00071**	**8.7141**	**.00085**	**-.00049**	**5.1772**	**11.079**	**-.00053**	**.27550**	**.00400**
Stddev	.00038	.00014	.0137	.00237	.00300	.0343	.073	.00017	.00040	.00150
%RSD	1.7849	19.742	.15675	278.10	616.87	.66339	.66339	33.102	.14627	37.415
#1	.02097	-.00061	8.7237	-.00082	.00163	5.1529	11.027	-.00040	.27578	.00506
#2	.02151	-.00080	8.7044	.00253	-.00261	5.2015	11.131	-.00065	.27521	.00294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00562**	**.00148**	**-.04968**	**.00097**	**.00441**	**.00008**
Stddev	.00013	.00010	.01787	.00020	.00001	.00017
%RSD	2.2800	6.9587	35.970	20.340	.29435	221.50
#1	.00571	.00155	-.03705	.00083	.00440	.00019
#2	.00552	.00140	-.06232	.00111	.00442	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6941.1**	**78343.**	**6401.3**
Stddev	17.9	525.	18.4
%RSD	.25808	.66966	.28749
#1	6928.4	78714.	6388.3
#2	6953.8	77972.	6414.3

Sample Name: 280-49163-c-5-b Acquired: 11/15/2013 1:39:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**.03556**	**-.00201**	**.01054**	**.04866**	**.00002**	**.00231**	**27.529**	**-.00006**	**.00010**
Stddev	.00032	.00066	.00225	.00021	.00028	.00006	.00081	.055	.00015	.00014
%RSD	19.964	1.8481	111.97	1.9949	.57820	329.36	35.040	.19905	225.17	138.86
#1	-.00138	.03603	-.00042	.01069	.04886	.00006	.00174	27.567	.00004	.00000
#2	-.00183	.03510	-.00360	.01039	.04847	-.00002	.00288	27.490	-.00017	.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00017**	**-.00052**	**.41786**	**1.1556**	**.00375**	**6.3561**	**.02663**	**.00049**	**11.524**	**.00023**
Stddev	.00021	.00011	.00058	.0267	.00007	.0238	.00014	.00009	.003	.00007
%RSD	120.52	21.267	.13764	2.3094	1.8016	.37465	.52934	17.916	.02876	33.181
#1	.00003	-.00044	.41826	1.1368	.00380	6.3729	.02673	.00055	11.522	.00028
#2	.00032	-.00060	.41745	1.1745	.00370	6.3392	.02653	.00043	11.527	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01580**	**-.00011**	**9.3758**	**.00088**	**.00029**	**5.7466**	**12.298**	**-.00064**	**.28369**	**.00397**
Stddev	.00180	.00025	.0207	.00014	.00098	.0423	.091	.00002	.00079	.00164
%RSD	11.400	221.93	.22068	16.376	331.26	.73701	.73701	3.1724	.27889	41.221
#1	.01707	-.00029	9.3612	.00078	-.00040	5.7765	12.362	-.00066	.28425	.00513
#2	.01452	.00006	9.3904	.00098	.00099	5.7166	12.234	-.00063	.28313	.00282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00098**	**.00071**	**-.04018**	**.00074**	**.00422**	**.00062**
Stddev	.00029	.00017	.00747	.00086	.00012	.00026
%RSD	29.230	24.667	18.595	116.32	2.8822	41.264
#1	.00119	.00058	-.03489	.00013	.00431	.00080
#2	.00078	.00083	-.04546	.00135	.00414	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6963.0**	**77699.**	**6528.8**
Stddev	12.8	537.	17.7
%RSD	.18448	.69157	.27173
#1	6953.9	77319.	6541.4
#2	6972.1	78079.	6516.3

Sample Name: 280-49163-c-6-c Acquired: 11/15/2013 1:41:56 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00149**	**.11728**	**-.00093**	**.00687**	**.02654**	**.00001**	**.00031**	**14.487**	**-.00003**	**-.00007**
Stddev	.00085	.00063	.00065	.00068	.00020	.00005	.00151	.035	.00008	.00007
%RSD	57.332	.53611	69.962	9.8545	.74710	409.24	486.43	.24345	227.99	102.65
#1	-.00088	.11683	-.00139	.00639	.02668	.00005	-.00076	14.512	.00002	-.00012
#2	-.00209	.11772	-.00047	.00735	.02640	-.00002	.00138	14.462	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00028**	**.13662**	**.80182**	**.00397**	**1.9441**	**.02052**	**.00224**	**5.6378**	**.00006**
Stddev	.00025	.00035	.01172	.02169	.00052	.0008	.00008	.00003	.0262	.00005
%RSD	161.51	124.46	8.5789	2.7054	13.001	.04328	.38915	1.2406	.46430	88.600
#1	-.00002	.00003	.12833	.81716	.00433	1.9447	.02057	.00226	5.6193	.00002
#2	.00033	.00052	.14490	.78648	.00360	1.9435	.02046	.00222	5.6563	.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01904**	**-.00067**	**2.2169**	**-.00022**	**.00110**	**5.3852**	**11.524**	**-.00055**	**.13176**	**.00345**
Stddev	.00090	.00079	.0046	.00127	.00464	.0058	.012	.00065	.00039	.00227
%RSD	4.7427	118.44	.20651	589.24	421.90	.10756	.10756	117.78	.29335	65.658
#1	.01840	-.00123	2.2137	-.00112	-.00218	5.3811	11.516	-.00102	.13204	.00505
#2	.01968	-.00011	2.2202	.00068	.00438	5.3893	11.533	-.00009	.13149	.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00380**	**.00148**	**-.03162**	**.00046**	**.00452**	**.00093**
Stddev	.00007	.00080	.03343	.00039	.00009	.00150
%RSD	1.9540	54.425	105.73	83.042	2.0133	161.03
#1	.00385	.00205	-.05525	.00074	.00446	.00199
#2	.00374	.00091	-.00798	.00019	.00459	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7021.2**	**79344.**	**6538.6**
Stddev	3.6	203.	28.5
%RSD	.05096	.25550	.43638
#1	7018.6	79200.	6518.4
#2	7023.7	79487.	6558.7

Sample Name: 280-49163-c-7-c Acquired: 11/15/2013 1:44:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00125**	**.05982**	**.00027**	**.00760**	**.04282**	**-.00001**	**.00139**	**22.467**	**-.00012**	**-.00022**
Stddev	.00020	.00030	.00030	.00000	.00013	.00008	.00086	.073	.00009	.00013
%RSD	15.813	.50361	114.22	.04940	.30569	1284.8	62.189	.32696	75.408	60.644
#1	-.00139	.05960	.00048	.00760	.04273	-.00006	.00078	22.519	-.00019	-.00012
#2	-.00111	.06003	.00005	.00760	.04292	.00005	.00200	22.415	-.00006	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00013**	**-.00064**	**.30269**	**1.0021**	**.00298**	**5.0965**	**.01885**	**.00061**	**8.4467**	**.00020**
Stddev	.00010	.00023	.00022	.0141	.00133	.0011	.00007	.00000	.0313	.00012
%RSD	75.019	36.074	.07294	1.4033	44.630	.02202	.36734	.78250	.37064	58.373
#1	.00006	-.00048	.30285	.99218	.00204	5.0957	.01880	.00062	8.4689	.00012
#2	.00020	-.00080	.30254	1.0121	.00392	5.0973	.01890	.00061	8.4246	.00028
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01250**	**-.00070**	**6.3819**	**-.00124**	**-.00055**	**6.0315**	**12.907**	**-.00053**	**.22779**	**.00338**
Stddev	.00193	.00014	.0228	.00056	.00096	.0390	.084	.00022	.00024	.00068
%RSD	15.438	19.896	.35713	45.057	174.68	.64708	.64708	42.315	.10467	20.234
#1	.01114	-.00080	6.3658	-.00163	.00013	6.0039	12.848	-.00037	.22796	.00386
#2	.01386	-.00060	6.3980	-.00084	-.00123	6.0591	12.966	-.00068	.22763	.00289
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00116**	**.00096**	**-.03852**	**.00027**	**.00407**	**-.00137**
Stddev	.00013	.00000	.02537	.00008	.00002	.00041
%RSD	11.109	.37344	65.864	29.108	.58606	30.033
#1	.00107	.00096	-.05646	.00032	.00408	-.00108
#2	.00125	.00096	-.02058	.00021	.00405	-.00166
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7022.1**	**79314.**	**6502.4**
Stddev	7.0	207.	64.9
%RSD	.10009	.26069	.99804
#1	7017.1	79461.	6456.5
#2	7027.1	79168.	6548.3

Sample Name: 280-49163-c-8-c Acquired: 11/15/2013 1:46:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.35617**	**.00084**	**.01340**	**.06690**	**.00007**	**.00113**	**37.336**	**.00002**	**.00035**
Stddev	.00008	.00003	.00119	.00002	.00039	.00003	.00030	.007	.00015	.00016
%RSD	5.6825	.00852	141.99	.12047	.58261	48.338	26.096	.01884	844.21	46.658
#1	-.00154	.35620	.00168	.01341	.06718	.00009	.00093	37.331	.00013	.00047
#2	-.00142	.35615	.00000	.01339	.06663	.00005	.00134	37.341	-.00009	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**.00038**	**1.4282**	**1.6994**	**.00338**	**9.5412**	**.24419**	**.00049**	**19.157**	**.00090**
Stddev	.00016	.00036	.0061	.0267	.00037	.0303	.00050	.00028	.146	.00010
%RSD	35.976	94.596	.43019	1.5726	11.036	.31711	.20648	58.182	.76433	11.185
#1	.00033	.00013	1.4325	1.6805	.00365	9.5626	.24383	.00069	19.261	.00083
#2	.00055	.00064	1.4239	1.7183	.00312	9.5198	.24454	.00029	19.054	.00097
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05945**	**-.00050**	**14.543**	**.00001**	**-.00083**	**6.4490**	**13.801**	**-.00080**	**.43089**	**.00390**
Stddev	.00060	.00053	.005	.00010	.00014	.0104	.022	.00073	.00126	.00185
%RSD	1.0107	105.79	.03783	776.84	16.482	.16071	.16071	91.169	.29231	47.535
#1	.05987	-.00088	14.547	-.00006	-.00073	6.4564	13.817	-.00028	.43000	.00259
#2	.05902	-.00013	14.539	.00009	-.00093	6.4417	13.785	-.00131	.43178	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**-.00065**	W **-.05947**	**.00086**	**.00573**	**-.00035**
Stddev	.00057	.00027	.02339	.00026	.00020	.00039
%RSD	5.8469	41.143	39.337	29.660	3.5476	110.64
#1	.00935	-.00046	-.04293	.00068	.00558	-.00008
#2	.01016	-.00084	-.07601	.00104	.00587	-.00063
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6934.5**	**78529.**	**6562.8**
Stddev	9.8	129.	16.7
%RSD	.14068	.16455	.25514
#1	6941.4	78438.	6550.9
#2	6927.6	78620.	6574.6

Sample Name: 280-49163-c-9-c Acquired: 11/15/2013 1:49:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00138**	**.09817**	**-.00199**	**.01867**	**.06536**	**.00010**	**.00392**	**76.343**	**.00042**	**-.00014**
Stddev	.00080	.00001	.00014	.00022	.00009	.00001	.00115	.072	.00007	.00032
%RSD	57.761	.01325	6.8584	1.1839	.13741	14.579	29.349	.09465	16.714	222.52
#1	-.00195	.09818	-.00209	.01851	.06530	.00009	.00473	76.292	.00037	.00008
#2	-.00082	.09816	-.00190	.01882	.06543	.00011	.00311	76.394	.00047	-.00037
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**.00003**	**.09749**	**1.7257**	**.00261**	**21.203**	**.02736**	**.00022**	**50.245**	**.00049**
Stddev	.00003	.00030	.00086	.0285	.00018	.033	.00002	.00006	.337	.00015
%RSD	52.547	911.64	.88171	1.6525	6.8235	.15355	.08305	27.255	.67121	30.233
#1	.00009	.00025	.09810	1.7055	.00248	21.226	.02734	.00018	50.006	.00060
#2	.00004	-.00018	.09688	1.7458	.00274	21.180	.02737	.00026	50.483	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02868**	**-.00076**	**30.840**	**.00042**	**.00489**	**4.6009**	**9.8459**	**-.00090**	**1.3431**	**.00352**
Stddev	.00149	.00001	.004	.00195	.00081	.0092	.0196	.00025	.0025	.00057
%RSD	5.1887	1.3155	.01345	467.81	16.623	.19944	.19944	28.477	.18524	16.318
#1	.02974	-.00077	30.843	.00180	.00432	4.6074	9.8598	-.00108	1.3413	.00311
#2	.02763	-.00076	30.837	-.00096	.00547	4.5944	9.8321	-.00072	1.3449	.00392
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00139**	**-.03869**	**.00021**	**.00689**	**.00030**
Stddev	.00001	.00215	.01540	.00004	.00013	.00155
%RSD	18.291	155.00	39.818	19.526	1.8392	516.46
#1	-.00007	.00291	-.02779	.00024	.00698	-.00080
#2	-.00005	-.00013	-.04958	.00019	.00680	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6824.6**	**76571.**	**6521.0**
Stddev	1.0	403.	3.7
%RSD	.01467	.52670	.05684
#1	6825.3	76286.	6523.6
#2	6823.9	76856.	6518.3

Sample Name: 280-49167-c-1-b Acquired: 11/15/2013 1:51:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200881 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00158**	**.01347**	**-.00060**	**.02476**	**.47042**	**.00001**	**-.00018**	**2.8888**	**-.00025**	**-.00027**
Stddev	.00015	.00376	.00278	.00094	.00036	.00000	.00283	.0046	.00009	.00027
%RSD	9.7618	27.922	463.97	3.7873	.07677	27.567	1577.0	.15966	35.376	100.53
#1	-.00147	.01612	-.00256	.02542	.47067	.00002	-.00218	2.8855	-.00032	-.00045
#2	-.00169	.01081	.00137	.02410	.47016	.00001	.00182	2.8920	-.00019	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00115**	**.00103**	**1.8087**	**2.2543**	**.02846**	**.80442**	**.02730**	**.00130**	**310.94**	**.00187**
Stddev	.00001	.00018	.0168	.0493	.00078	.00051	.00015	.00017	.08	.00007
%RSD	1.2034	17.733	.92983	2.1866	2.7546	.06301	.53795	13.324	.02614	3.5656
#1	.00114	.00116	1.7968	2.2194	.02791	.80406	.02741	.00117	311.00	.00191
#2	.00116	.00090	1.8206	2.2891	.02902	.80478	.02720	.00142	310.89	.00182
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02231**	**-.00021**	**.11999**	**-.00051**	**.00107**	**7.3320**	**15.691**	**-.00091**	**.26187**	**.00197**
Stddev	.00470	.00094	.03426	.00076	.00176	.0132	.028	.00025	.00029	.00373
%RSD	21.081	437.92	28.553	150.45	164.93	.17942	.17942	27.677	.11017	189.08
#1	.02564	.00045	.14421	-.00105	-.00018	7.3227	15.671	-.00109	.26166	.00461
#2	.01899	-.00088	.09576	.00003	.00232	7.3413	15.710	-.00074	.26207	-.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00023**	**.00106**	**-.04735**	**-.00004**	**.00597**	**-.00022**
Stddev	.00003	.00123	.07001	.00070	.00003	.00056
%RSD	15.105	115.78	147.86	1681.7	.44960	252.06
#1	.00025	.00019	-.09685	-.00053	.00599	.00018
#2	.00021	.00194	.00215	.00045	.00595	-.00062
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6710.7**	**74293.**	**6422.6**
Stddev	5.4	178.	67.9
%RSD	.08094	.24007	1.0578
#1	6714.6	74419.	6470.6
#2	6706.9	74167.	6374.6

Sample Name: CCVH-2372891 Acquired: 11/15/2013 1:53:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00830**	**48.078**	**.00010**	**.00109**	**.00084**	**.00003**	W **1.0733**	**.01608**	**.00069**	**-.00100**	**.00026**	**-.00823**
Stddev	.00011	.043	.00190	.00116	.00050	.00002	.0025	.00151	.00002	.00024	.00005	.00048
%RSD	1.3467	.09010	1984.4	106.45	60.117	71.090	.23292	9.4173	2.8298	23.875	19.994	5.8063
#1	-.00822	48.048	-.00125	.00027	.00119	.00001	1.0715	.01715	.00070	-.00083	.00030	-.00789
#2	-.00838	48.109	.00144	.00190	.00048	.00004	1.0750	.01501	.00068	-.00117	.00022	-.00856
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.044**	**.19199**	**.00200**	**.05073**	**-.00014**	**.00037**	**253.84**	**-.00084**	**.00431**	**-.00247**	**5.1168**	**.00099**
Stddev	.045	.03293	.00052	.00139	.00003	.00018	.04	.00003	.00043	.00019	.0047	.00004
%RSD	.08785	17.152	25.839	2.7402	19.859	49.206	.01410	4.1701	10.045	7.5769	.09251	3.9079
#1	51.076	.21528	.00236	.04975	-.00012	.00024	253.87	-.00086	.00462	-.00234	5.1201	.00097
#2	51.012	.16871	.00163	.05171	-.00017	.00050	253.81	-.00081	.00400	-.00260	5.1134	.00102
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00521**	**.00901**	**.01929**	**-.00016**	**.00002**	**5.1100**	**.01465**	**.00287**	F **8.3437**	**.00110**	**.00275**	**-.08071**
Stddev	.00353	.00328	.00701	.00062	.00003	.0129	.00053	.00086	.0663	.00025	.00003	.00079
%RSD	67.693	36.338	36.338	393.07	134.59	.25143	3.6139	30.000	.79484	22.786	1.2095	.98473
#1	-.00272	.01133	.02424	-.00059	.00004	5.1009	.01428	.00226	8.2968	.00128	.00277	-.08127
#2	-.00771	.00670	.01433	.00028	.00000	5.1191	.01502	.00348	8.3906	.00092	.00272	-.08015
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6832.5**	**75715.**	**6364.3**
Stddev	19.3	356.	31.9
%RSD	.28283	.47072	.50092
#1	6818.9	75463.	6386.8
#2	6846.2	75967.	6341.8

Sample Name: CCV-2372889 Acquired: 11/15/2013 1:56:12 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55545	.54694	1.0624	.53440	.50971	.46828	-.00922	4.6182	.48443	.50524	.54386	.50645	2.6233
Stddev	.00024	.00637	.0061	.00119	.00045	.00018	.00041	.0220	.00145	.00053	.00193	.00033	.0062
%RSD	.04345	1.1650	.57245	.22311	.08804	.03762	4.4114	.47532	.30018	.10397	.35520	.06531	.23521
#1	.55528	.54244	1.0581	.53356	.51003	.46816	-.00951	4.6027	.48341	.50487	.54249	.50621	2.6190
#2	.55562	.55145	1.0667	.53524	.50940	.46841	-.00893	4.6338	.48546	.50561	.54522	.50668	2.6277
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000												
Range	10.490%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.597	1.0084	20.901	.49961	.53260	F 5.5459	.54819	1.0672	.96407	.02714	1.0348	1.0934	5.0692
Stddev	.125	.0012	.062	.00080	.00077	.0115	.00020	.0067	.00103	.00258	.0054	.0035	.0062
%RSD	.25653	.12147	.29807	.16055	.14463	.20793	.03599	.62766	.10734	9.5112	.52321	.32392	.12153
#1	48.509	1.0076	20.857	.49904	.53205	5.5378	.54805	1.0625	.96334	.02532	1.0310	1.0909	5.0649
#2	48.685	1.0093	20.945	.50018	.53314	5.5541	.54833	1.0720	.96480	.02897	1.0387	1.0959	5.0736
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						5.0000							
Range						10.490%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.848	1.0568	.49352	.00726	.51234	1.0095	-.07856	.48364	.52344	.48581
Stddev	.013	.0038	.00069	.00217	.00108	.0076	.02363	.00036	.00110	.00073
%RSD	.12153	.35879	.13939	29.838	.21158	.74932	30.076	.07414	.20983	.15123
#1	10.839	1.0542	.49401	.00573	.51157	1.0041	-.06186	.48339	.52267	.48633
#2	10.857	1.0595	.49303	.00879	.51310	1.0148	-.09527	.48389	.52422	.48529
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6889.6	76854.	6365.4
Stddev	48.5	387.	34.4
%RSD	.70401	.50366	.54117
#1	6923.9	77127.	6389.7
#2	6855.3	76580.	6341.0

Sample Name: CCB Acquired: 11/15/2013 1:58:20 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00126**	**.00047**	**-.00109**	**.00149**	**.00037**	**.00009**	**.00200**	**-.00416**	**-.00001**	**-.00016**	**-.00009**
Stddev	.00005	.00010	.00419	.00051	.00021	.00005	.00052	.00332	.00009	.00006	.00000
%RSD	4.1449	20.575	386.05	34.135	57.461	54.938	26.094	79.906	985.38	36.837	4.3243
#1	-.00122	.00054	.00188	.00185	.00052	.00013	.00237	-.00650	.00005	-.00012	-.00009
#2	-.00129	.00040	-.00405	.00113	.00022	.00006	.00163	-.00181	-.00007	-.00020	-.00008
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00108**	**-.00021**	**.16616**	**.00176**	**.00339**	**.00008**	**.00035**	F **.43217**	**-.00012**	**.00205**	**.00027**
Stddev	.00038	.00051	.02347	.00114	.00160	.00010	.00004	.00445	.00013	.00020	.00092
%RSD	35.042	242.84	14.123	64.887	47.354	116.15	12.320	1.0295	105.00	9.5295	346.39
#1	-.00081	-.00057	.14957	.00095	.00452	.00015	.00032	.42902	-.00003	.00191	-.00039
#2	-.00135	.00015	.18276	.00256	.00225	.00001	.00038	.43532	-.00021	.00219	.00092
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03238**	F **.00720**	**-.00077**	**.01616**	**.03459**	**-.00064**	**-.00006**	**.00331**	**.00036**	**.00014**	**-.00924**
Stddev	.00004	.00018	.00200	.00901	.01929	.00046	.00009	.00185	.00023	.00025	.07814
%RSD	.11469	2.4825	258.78	55.767	55.767	71.407	146.31	55.865	62.870	175.59	846.03
#1	.03235	.00732	.00064	.00979	.02095	-.00097	.00000	.00462	.00020	.00031	-.06449
#2	.03241	.00707	-.00219	.02253	.04822	-.00032	-.00012	.00200	.00052	-.00003	.04602
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00628									
Low Limit		-.00628									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00061**	**.00346**	**-.00119**
Stddev	.00012	.00008	.00004
%RSD	19.897	2.2336	3.2527
#1	.00052	.00351	-.00116
#2	.00069	.00340	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6800.5**	**76268.**	**6185.1**
Stddev	23.2	116.	25.7
%RSD	.34056	.15169	.41622
#1	6784.1	76186.	6203.3
#2	6816.9	76350.	6166.9

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:00:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.11263**	**.01528**	**.10628**	**.01049**	**.00097**	**.11861**	**.19890**	**.00464**	**.01028**	**.01113**	**.01383**	**.11008**
Stddev	.00010	.00044	.00098	.00023	.00010	.00003	.00161	.00591	.00002	.00032	.00005	.00012	.00043
%RSD	.97705	.39047	6.4328	.21776	.98471	3.2935	1.3602	2.9736	.46628	3.1308	.45346	.87204	.38839
#1	.00972	.11294	.01459	.10644	.01041	.00099	.11975	.20308	.00463	.01050	.01117	.01375	.10978
#2	.00986	.11232	.01598	.10612	.01056	.00095	.11746	.19472	.00466	.01005	.01109	.01392	.11038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0081**	**.01196**	**.22165**	**.01028**	**.02058**	F **1.3921**	**.04489**	**3.1040**	**.00857**	**.02545**	**.01117**	**.01715**	**.51764**
Stddev	.0313	.00162	.00285	.00010	.00020	.0019	.00018	.0017	.00085	.00118	.00063	.00130	.01626
%RSD	1.0419	13.566	1.2851	.98348	.95106	.13951	.40602	.05386	9.8700	4.6343	5.6696	7.5535	3.1418
#1	3.0302	.01311	.22366	.01021	.02071	1.3908	.04501	3.1028	.00917	.02629	.01072	.01623	.50614
#2	2.9859	.01081	.21964	.01035	.02044	1.3935	.04476	3.1052	.00797	.02462	.01161	.01806	.52914
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value						1.0000							
Range						30.000%							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1078**	**.10819**	**.00976**	**.01481**	**.01015**	**.01657**	F **.11223**	**.00940**	**.02570**	**.01555**
Stddev	.0348	.00005	.00008	.00009	.00026	.00016	.06709	.00051	.00050	.00130
%RSD	3.1418	.04232	.86564	.62520	2.5908	.98585	59.776	5.4011	1.9343	8.3896
#1	1.0831	.10815	.00982	.01474	.01034	.01668	.06479	.00976	.02606	.01648
#2	1.1324	.10822	.00970	.01487	.00997	.01645	.15967	.00904	.02535	.01463
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7047.3**	**79001.**	**6375.6**
Stddev	1.4	73.	4.4
%RSD	.01978	.09257	.06836
#1	7046.3	79053.	6372.5
#2	7048.2	78949.	6378.7

Sample Name: mb 280-200833/1-b Acquired: 11/15/2013 2:03:02 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00133**	**.00435**	**-.00238**	**.00083**	**.00051**	**.00000**	**.00158**	**.00966**	**-.00010**	**-.00011**
Stddev	.00002	.00184	.00147	.00002	.00020	.00000	.00104	.00069	.00001	.00014
%RSD	1.1617	42.353	61.711	2.1817	39.655	374.57	65.929	7.1563	12.495	129.96
#1	-.00131	.00565	-.00341	.00082	.00065	.00000	.00084	.01015	-.00010	-.00001
#2	-.00134	.00305	-.00134	.00084	.00036	.00000	.00232	.00917	-.00011	-.00020
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00077**	**.00417**	**.13117**	**.00051**	**.00506**	**.00021**	**-.00003**	W **.41129**	**.00014**
Stddev	.00011	.00021	.00105	.08952	.00102	.00054	.00002	.00010	.00114	.00010
%RSD	88.545	27.218	25.076	68.245	199.28	10.716	10.017	297.53	.27722	74.258
#1	.00020	-.00092	.00491	.06787	.00123	.00468	.00020	.00004	.41048	.00021
#2	.00005	-.00062	.00343	.19447	-.00021	.00544	.00023	-.00010	.41209	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00201**	**-.00034**	F **.03227**	**.00018**	**-.00171**	**.00472**	**.01011**	**.00009**	**-.00003**	W **.00406**
Stddev	.00019	.00043	.00050	.00053	.00077	.02146	.04593	.00016	.00005	.00139
%RSD	9.5022	126.95	1.5515	295.19	45.062	454.46	454.46	182.98	155.45	34.266
#1	.00215	-.00065	.03192	.00055	-.00225	-.01045	-.02237	-.00003	-.00007	.00505
#2	.00188	-.00003	.03262	-.00019	-.00117	.01990	.04258	.00020	.00000	.00308
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000							.00000
Low Limit			-.01000							-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00067**	**-.02598**	**.00053**	W **.00428**	**-.00273**
Stddev	.00014	.00061	.05276	.00005	.00008	.00000
%RSD	60.829	91.279	203.10	9.6733	1.9072	.13326
#1	-.00013	.00024	-.06328	.00057	.00434	-.00274
#2	-.00032	.00110	.01133	.00049	.00423	-.00273
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.0**	**79386.**	**6400.8**
Stddev	8.2	210.	21.6
%RSD	.11633	.26414	.33689
#1	7004.2	79535.	6385.5
#2	7015.8	79238.	6416.0

Sample Name: lcs 280-200833/2-b Acquired: 11/15/2013 2:05:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05211**	**2.0294**	**1.0641**	**1.0728**	**2.0123**	**.04654**	**2.1667**	F **44.493**	**.09699**	**.48955**
Stddev	.00037	.0022	.0054	.0033	.0216	.00016	.0039	.410	.00065	.00134
%RSD	.71898	.11068	.50772	.31029	1.0725	.34840	.17781	.92166	.67111	.27371
#1	.05185	2.0310	1.0679	1.0704	1.9971	.04642	2.1694	44.203	.09653	.49050
#2	.05238	2.0278	1.0603	1.0751	2.0276	.04665	2.1640	44.783	.09745	.48860
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21599**	**.25104**	**1.0225**	**48.641**	**1.0051**	**51.890**	**.49020**	**1.0486**	**51.524**	**.52990**
Stddev	.00032	.00181	.0010	.568	.0161	.325	.00220	.0007	1.290	.00034
%RSD	.14686	.72148	.10317	1.1681	1.6014	.62562	.44792	.06692	2.5037	.06422
#1	.21622	.24976	1.0233	48.239	.99372	51.661	.48864	1.0491	50.612	.53014
#2	.21577	.25232	1.0218	49.042	1.0165	52.120	.49175	1.0481	52.437	.52966
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.724**	**.46137**	**.02345**	**.51000**	**2.1637**	**10.123**	**21.664**	**2.0507**	**.97505**	**1.0134**
Stddev	.001	.00129	.00016	.00366	.0091	.077	.165	.0082	.01112	.0045
%RSD	.01024	.27926	.67952	.71675	.41887	.76392	.76392	.40176	1.1408	.43972
#1	10.725	.46046	.02334	.50742	2.1573	10.069	21.547	2.0449	.96718	1.0103
#2	10.723	.46228	.02357	.51259	2.1701	10.178	21.781	2.0565	.98291	1.0166
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0215**	**1.9113**	F **3.3422**	**.48308**	**.51035**	**.46932**
Stddev	.0055	.0042	.0254	.00341	.00472	.00912
%RSD	.53678	.21912	.75899	.70491	.92576	1.9429
#1	1.0177	1.9084	3.3243	.48068	.50701	.46287
#2	1.0254	1.9143	3.3602	.48549	.51369	.47577
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6735.3**	**75638.**	**6431.9**
Stddev	12.5	288.	43.2
%RSD	.18613	.38018	.67183
#1	6726.5	75841.	6462.4
#2	6744.2	75435.	6401.3

Sample Name: 280-49163-d-1-b Acquired: 11/15/2013 2:07:31 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.02274**	**-.00371**	**.02284**	**.08090**	**.00005**	**.00440**	**53.059**	**.00003**	**-.00019**
Stddev	.00040	.00000	.00030	.00017	.00011	.00001	.00148	.019	.00018	.00013
%RSD	45.483	.01080	8.1122	.74903	.13282	21.775	33.765	.03595	663.00	67.299
#1	-.00116	.02274	-.00393	.02272	.08083	.00004	.00335	53.073	.00015	-.00029
#2	-.00059	.02274	-.00350	.02296	.08098	.00006	.00545	53.046	-.00010	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**-.00026**	**.15835**	**1.8213**	**.00493**	**17.750**	**.09465**	**.00181**	**62.645**	**.00066**
Stddev	.00015	.00002	.00137	.0539	.00140	.025	.00063	.00017	.135	.00010
%RSD	69.779	7.0073	.86320	2.9576	28.385	.14193	.66643	9.4767	.21514	15.270
#1	.00032	-.00025	.15932	1.8594	.00394	17.732	.09421	.00169	62.550	.00059
#2	.00011	-.00027	.15739	1.7832	.00592	17.768	.09510	.00193	62.741	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00767**	**.00048**	**23.355**	**.00156**	**-.00110**	**5.3887**	**11.532**	**-.00018**	**.81967**	**.00359**
Stddev	.00035	.00040	.012	.00070	.00171	.0243	.052	.00000	.00132	.00008
%RSD	4.6095	82.367	.05089	44.989	155.37	.45150	.45150	2.1428	.16150	2.2014
#1	.00742	.00020	23.347	.00206	-.00231	5.3715	11.495	-.00017	.82061	.00365
#2	.00792	.00077	23.364	.00106	.00011	5.4059	11.569	-.00018	.81873	.00353
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00036**	**.00132**	**-.03576**	**.00080**	**.01792**	**-.00018**
Stddev	.00011	.00074	.03530	.00019	.00018	.00264
%RSD	30.725	56.262	98.717	24.078	.97922	1436.2
#1	.00044	.00079	-.01080	.00066	.01779	-.00205
#2	.00028	.00184	-.06071	.00094	.01804	.00168
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6775.2**	**75871.**	**6363.8**
Stddev	4.6	48.	41.0
%RSD	.06746	.06295	.64406
#1	6778.4	75905.	6392.7
#2	6772.0	75838.	6334.8

Sample Name: 280-49163-d-2-b Acquired: 11/15/2013 2:09:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00166**	**.00733**	**-.00087**	**.02026**	**.07067**	**.00003**	**.00192**	**47.909**	**.00008**	**-.00012**
Stddev	.00035	.00033	.00166	.00017	.00080	.00007	.00055	.024	.00010	.00009
%RSD	21.165	4.5649	190.07	.85382	1.1250	210.28	28.489	.04956	123.11	76.519
#1	-.00141	.00757	-.00205	.02038	.07011	.00008	.00231	47.893	.00015	-.00005
#2	-.00191	.00710	.00030	.02014	.07124	-.00002	.00153	47.926	.00001	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**-.00077**	**.11645**	**1.6342**	**.00466**	**14.898**	**.06350**	**.00135**	**59.975**	**.00037**
Stddev	.00001	.00068	.00006	.0542	.00230	.016	.00000	.00002	.738	.00013
%RSD	23.687	88.757	.04853	3.3160	49.281	.10842	.00670	1.3170	1.2300	35.955
#1	.00003	-.00125	.11649	1.5958	.00629	14.887	.06350	.00136	59.453	.00046
#2	.00002	-.00029	.11641	1.6725	.00304	14.910	.06350	.00134	60.497	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00575**	**-.00042**	**20.922**	**-.00020**	**-.00123**	**5.5748**	**11.930**	**-.00065**	**.71144**	**.00168**
Stddev	.00143	.00022	.008	.00083	.00186	.0758	.162	.00116	.00083	.00074
%RSD	24.914	53.228	.03782	425.53	151.87	1.3598	1.3598	176.72	.11611	44.000
#1	.00676	-.00026	20.927	-.00079	-.00254	5.5212	11.815	-.00147	.71086	.00116
#2	.00473	-.00058	20.916	.00039	.00009	5.6284	12.045	.00016	.71203	.00220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00004**	**.00106**	**-.01933**	**.00046**	**.00965**	**.00065**
Stddev	.00028	.00034	.02018	.00022	.00017	.00098
%RSD	617.82	32.456	104.44	47.774	1.7167	151.40
#1	.00015	.00082	-.03360	.00061	.00953	-.00005
#2	-.00024	.00130	-.00505	.00030	.00976	.00134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6802.8**	**75994.**	**6325.1**
Stddev	4.2	34.	37.8
%RSD	.06178	.04478	.59758
#1	6799.8	75970.	6351.9
#2	6805.8	76018.	6298.4

Sample Name: 280-49163-d-3-b Acquired: 11/15/2013 2:12:16 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00179**	**.04875**	**-.00036**	**.01487**	**.07404**	**.00006**	**.00181**	**52.450**	**.00021**	**.00018**
Stddev	.00058	.00007	.00098	.00010	.00079	.00006	.00035	.133	.00006	.00013
%RSD	32.191	.14150	274.12	.67826	1.0640	96.161	19.531	.25326	26.831	72.611
#1	-.00220	.04880	.00034	.01494	.07348	.00011	.00206	52.544	.00025	.00009
#2	-.00138	.04871	-.00106	.01480	.07460	.00002	.00156	52.356	.00017	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00054**	**.40336**	**2.1037**	**.00438**	**14.480**	**.30531**	**.00041**	**32.649**	**.00035**
Stddev	.00017	.00018	.00469	.0228	.00042	.010	.00006	.00012	.333	.00002
%RSD	126.55	33.840	1.1621	1.0836	9.6699	.07213	.02129	28.916	1.0192	6.1482
#1	.00001	-.00041	.40005	2.1198	.00408	14.487	.30527	.00032	32.414	.00037
#2	.00026	-.00067	.40668	2.0875	.00468	14.472	.30536	.00049	32.884	.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02600**	**-.00033**	**13.944**	**.00087**	**.00199**	**5.7067**	**12.212**	**.00001**	**.72785**	**.00416**
Stddev	.00120	.00014	.009	.00210	.00351	.0773	.165	.00027	.00189	.00016
%RSD	4.6020	44.049	.06106	241.17	176.27	1.3549	1.3549	4946.2	.25983	3.9150
#1	.02515	-.00023	13.938	.00236	-.00049	5.6520	12.095	-.00018	.72919	.00427
#2	.02684	-.00043	13.950	-.00061	.00447	5.7614	12.329	.00019	.72652	.00404
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**.00040**	**-.03725**	**.00020**	**.01258**	**-.00035**
Stddev	.00010	.00038	.00032	.00011	.00000	.00014
%RSD	62.921	94.640	.84803	55.308	.02395	41.631
#1	.00022	.00013	-.03702	.00012	.01259	-.00045
#2	.00008	.00067	-.03747	.00027	.01258	-.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6830.6**	**76234.**	**6411.8**
Stddev	18.6	103.	30.6
%RSD	.27303	.13461	.47801
#1	6843.8	76161.	6433.5
#2	6817.5	76307.	6390.1

Sample Name: 280-49163-c-4-e Acquired: 11/15/2013 2:14:39 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00183**	**.02551**	**-.00222**	**.01005**	**.05198**	**.00006**	**.00305**	**29.276**	**-.00003**	**-.00009**
Stddev	.00001	.00006	.00021	.00034	.00051	.00002	.00211	.007	.00004	.00002
%RSD	.28528	.23394	9.3744	3.4268	.98868	33.311	69.174	.02476	109.82	20.690
#1	-.00183	.02555	-.00237	.01029	.05234	.00004	.00156	29.281	-.00006	-.00007
#2	-.00183	.02547	-.00207	.00980	.05162	.00007	.00454	29.271	-.00001	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00031**	**.49832**	**1.1730**	**.00353**	**6.8666**	**.05425**	**.00050**	**13.030**	**.00132**
Stddev	.00023	.00006	.00016	.0020	.00198	.0321	.00022	.00022	.073	.00001
%RSD	149.25	19.747	.03281	.17266	55.957	.46705	.39635	44.514	.56287	.61807
#1	-.00001	-.00027	.49820	1.1716	.00214	6.8893	.05440	.00034	13.082	.00131
#2	.00031	-.00035	.49843	1.1744	.00493	6.8440	.05410	.00066	12.978	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01937**	**-.00102**	**9.7528**	**.00011**	**-.00207**	**5.5530**	**11.883**	**-.00060**	**.31442**	**.00310**
Stddev	.00029	.00022	.0046	.00034	.00014	.0408	.087	.00063	.00028	.00255
%RSD	1.4913	21.323	.04689	311.91	6.9400	.73519	.73519	104.70	.09051	82.151
#1	.01917	-.00087	9.7495	.00035	-.00217	5.5819	11.945	-.00104	.31462	.00491
#2	.01958	-.00118	9.7560	-.00013	-.00196	5.5241	11.822	-.00016	.31422	.00130
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00002**	**.00132**	W **-.05542**	**.00026**	**.01722**	**.00006**
Stddev	.00000	.00170	.04849	.00020	.00011	.00035
%RSD	21.316	128.94	87.482	78.529	.65543	604.51
#1	.00002	.00253	-.08971	.00012	.01729	-.00019
#2	.00003	.00012	-.02114	.00041	.01714	.00030
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6902.4**	**77719.**	**6397.9**
Stddev	31.8	440.	11.6
%RSD	.45998	.56557	.18117
#1	6924.9	77408.	6406.1
#2	6880.0	78030.	6389.7

Sample Name: 280-49163-d-5-b Acquired: 11/15/2013 2:17:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.00666**	**-.00153**	**.00936**	**.04736**	**.00006**	**.00254**	**26.483**	**.00002**	**.00002**
Stddev	.00067	.00020	.00241	.00007	.00021	.00005	.00258	.098	.00007	.00002
%RSD	44.972	2.9292	157.06	.75209	.43913	85.526	101.71	.37007	346.12	99.957
#1	-.00101	.00652	.00017	.00941	.04751	.00003	.00071	26.553	-.00003	.00003
#2	-.00195	.00680	-.00323	.00931	.04721	.00010	.00436	26.414	.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00040**	**.38615**	**1.0860**	**.00123**	**6.1156**	**.02506**	**.00066**	**11.289**	**.00044**
Stddev	.00014	.00015	.00426	.0244	.00196	.0149	.00017	.00002	.266	.00001
%RSD	125.11	38.131	1.1040	2.2483	159.09	.24310	.69769	3.2975	2.3577	1.2145
#1	.00001	-.00029	.38313	1.0687	-.00015	6.1261	.02493	.00064	11.101	.00043
#2	.00021	-.00050	.38916	1.1032	.00262	6.1051	.02518	.00067	11.477	.00044
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01167**	**-.00101**	**8.9489**	**-.00089**	**.00051**	**5.5413**	**11.858**	**-.00051**	**.27394**	**.00547**
Stddev	.00015	.00094	.0183	.00276	.00218	.0019	.004	.00100	.00041	.00102
%RSD	1.2876	93.407	.20457	310.37	430.12	.03497	.03497	196.12	.14889	18.694
#1	.01157	-.00168	8.9360	.00106	.00205	5.5400	11.856	.00020	.27423	.00619
#2	.01178	-.00034	8.9619	-.00284	-.00103	5.5427	11.861	-.00122	.27365	.00475
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00026**	**.00094**	**-.03672**	**.00033**	**.01439**	**-.00129**
Stddev	.00019	.00033	.04261	.00016	.00016	.00017
%RSD	71.669	35.697	116.05	47.941	1.1395	13.302
#1	-.00013	.00070	-.06686	.00022	.01451	-.00117
#2	-.00039	.00117	-.00659	.00044	.01428	-.00141
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6867.1**	**76605.**	**6366.1**
Stddev	10.5	54.	25.7
%RSD	.15289	.07084	.40325
#1	6874.5	76644.	6348.0
#2	6859.7	76567.	6384.3

Sample Name: CCVH-2372891 Acquired: 11/15/2013 2:19:23 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00880**	**49.359**	**-.00290**	**.00088**	**.00060**	**.00001**	W **1.0902**	**.02757**	**.00077**	**-.00120**	**.00040**	**-.00824**
Stddev	.00030	.249	.00152	.00085	.00018	.00004	.0072	.00183	.00006	.00010	.00000	.00009
%RSD	3.4654	.50377	52.446	96.390	30.369	514.25	.65750	6.6518	7.2315	7.9335	.87634	1.1248
#1	-.00902	49.535	-.00182	.00149	.00073	-.00002	1.0851	.02886	.00073	-.00127	.00040	-.00831
#2	-.00858	49.184	-.00397	.00028	.00047	.00004	1.0953	.02627	.00081	-.00113	.00041	-.00818
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**52.186**	**.13536**	**.00375**	**.04887**	**-.00016**	**.00038**	**260.78**	**-.00085**	**.00173**	**-.00208**	**5.1569**	**.00128**
Stddev	.247	.02203	.00105	.00180	.00002	.00007	.84	.00015	.00017	.00166	.0149	.00085
%RSD	.47348	16.273	28.076	3.6882	11.939	17.733	.32170	17.306	9.7017	79.846	.28789	66.566
#1	52.011	.11979	.00301	.05014	-.00017	.00033	261.37	-.00096	.00161	-.00091	5.1464	.00188
#2	52.360	.15094	.00450	.04760	-.00015	.00043	260.18	-.00075	.00185	-.00326	5.1674	.00068
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00239**	**-.00232**	**-.00497**	**-.00038**	**.00009**	**5.2259**	**.01480**	**.00227**	F **8.4790**	**.00120**	**.00237**	**-.08210**
Stddev	.00111	.00363	.00776	.00019	.00007	.0039	.00062	.00056	.0063	.00001	.00054	.00113
%RSD	46.536	156.29	156.29	48.940	77.944	.07450	4.2095	24.585	.07475	.74949	22.932	1.3810
#1	-.00318	-.00488	-.01045	-.00051	.00014	5.2287	.01524	.00266	8.4835	.00119	.00275	-.08130
#2	-.00160	.00024	.00052	-.00025	.00004	5.2231	.01436	.00188	8.4745	.00121	.00198	-.08290
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6820.0**	**74768.**	**6305.5**
Stddev	3.8	263.	45.5
%RSD	.05559	.35138	.72169
#1	6822.7	74582.	6273.3
#2	6817.3	74954.	6337.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 2:21:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55832	W .55095	1.0684	.53627	.51028	.46763	-.00721	4.6569	.48583	.50669	.54535	.50770
Stddev	.00072	.00547	.0066	.00404	.00261	.00067	.00099	.0065	.00032	.00003	.00001	.00223
%RSD	.12934	.99266	.62194	.75351	.51058	.14280	13.700	.13983	.06619	.00551	.00169	.43948
#1	.55883	.54709	1.0731	.53912	.51212	.46810	-.00651	4.6615	.48606	.50671	.54536	.50613
#2	.55781	.55482	1.0637	.53341	.50843	.46716	-.00791	4.6523	.48560	.50667	.54534	.50928
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6467	48.664	1.0120	21.034	.50160	.53445	5.4180	F .55357	1.0616	.96794	.01844	1.0326
Stddev	.0267	.089	.0034	.008	.00099	.00033	.0399	.00612	.0010	.00083	.00362	.0025
%RSD	1.0101	.18296	.33908	.03857	.19756	.06261	.73575	1.1062	.08937	.08620	19.614	.24457
#1	2.6656	48.727	1.0145	21.028	.50090	.53469	5.4462	.55790	1.0622	.96853	.01588	1.0308
#2	2.6278	48.601	1.0096	21.040	.50230	.53422	5.3899	.54924	1.0609	.96735	.02100	1.0344
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.490%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0907	5.1718	11.068	1.0622	.49373	.00562	.51427	1.0120	-.02709	.48452	.52740	.49011
Stddev	.0026	.0285	.061	.0029	.00263	.00166	.00198	.0049	.01737	.00273	.00106	.00156
%RSD	.23415	.55171	.55171	.27297	.53351	29.612	.38408	.48033	64.113	.56328	.20144	.31728
#1	1.0925	5.1920	11.111	1.0643	.49560	.00680	.51287	1.0154	-.03937	.48259	.52665	.48901
#2	1.0889	5.1517	11.025	1.0602	.49187	.00444	.51566	1.0085	-.01481	.48645	.52816	.49121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6820.1	75997.	6265.6
Stddev	15.6	402.	12.4
%RSD	.22928	.52920	.19750
#1	6831.2	76281.	6256.9
#2	6809.1	75712.	6274.4

Sample Name: CCB Acquired: 11/15/2013 2:23:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00130**	**.00028**	**-.00198**	**.00114**	**.00037**	**.00010**	**.00329**	**-.00062**	**-.00013**	**-.00029**	**-.00009**
Stddev	.00061	.00008	.00164	.00053	.00018	.00003	.00148	.00374	.00020	.00009	.00001
%RSD	46.852	30.354	82.908	46.082	49.272	25.522	44.850	600.13	155.53	31.331	9.4367
#1	-.00087	.00022	-.00314	.00151	.00049	.00009	.00434	.00202	-.00027	-.00022	-.00009
#2	-.00173	.00034	-.00082	.00077	.00024	.00012	.00225	-.00327	.00001	-.00035	-.00010
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00093**	**.00087**	**.11813**	**.00000**	**.00171**	**.00011**	**.00014**	F **.30554**	**-.00007**	**.00045**	**.00093**
Stddev	.00011	.00185	.01388	.0000	.00216	.00008	.00002	.00348	.00011	.00126	.00094
%RSD	11.537	213.54	11.753	3812.2	126.34	74.146	12.469	1.1405	154.32	276.50	100.84
#1	-.00100	-.00044	.12795	.00003	.00018	.00017	.00015	.30801	-.00015	-.00043	.00159
#2	-.00085	.00217	.10831	-.00003	.00324	.00005	.00012	.30308	.00001	.00134	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01801**	W **.00611**	**.00329**	**.01232**	**.02637**	**-.00043**	**-.00009**	**.00430**	**.00010**	**.00021**	F **-.06872**
Stddev	.00160	.00040	.00065	.00327	.00701	.00048	.00005	.00052	.00013	.00147	.06179
%RSD	8.8685	6.5729	19.736	26.570	26.570	112.08	56.900	12.094	133.05	711.42	89.913
#1	.01913	.00583	.00375	.01464	.03132	-.00009	-.00012	.00467	.00019	-.00083	-.11241
#2	.01688	.00640	.00283	.01001	.02141	-.00078	-.00005	.00393	.00001	.00124	-.02503
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00016**	**.00322**	**-.00054**
Stddev	.00019	.00003	.00112
%RSD	118.25	1.0024	207.84
#1	.00029	.00320	-.00133
#2	.00003	.00324	.00025
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6840.8**	**76438.**	**6118.5**
Stddev	10.6	438.	3.6
%RSD	.15434	.57300	.05906
#1	6833.3	76129.	6121.1
#2	6848.3	76748.	6115.9

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:26:17 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00954**	**.11226**	**.01523**	**.10680**	**.01052**	**.00097**	**.11808**	**.18899**	**.00481**	**.01029**	**.01098**	**.01360**	**.10351**
Stddev	.00027	.00008	.00189	.00087	.00028	.00004	.00099	.00307	.00002	.00012	.00007	.00088	.00329
%RSD	2.8099	.06698	12.396	.81647	2.6561	4.5017	.83959	1.6233	.42173	1.1845	.63145	6.4926	3.1782
#1	.00972	.11221	.01657	.10619	.01072	.00100	.11738	.18682	.00480	.01020	.01103	.01423	.10584
#2	.00935	.11231	.01390	.10742	.01033	.00094	.11878	.19116	.00483	.01038	.01093	.01298	.10119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9589**	**.01046**	**.22247**	**.01031**	**.02050**	**1.2911**	**.04465**	**3.1134**	**.00804**	**.01736**	**.01066**	**.01767**	**.49801**
Stddev	.0118	.00146	.00443	.00006	.00000	.0057	.00057	.0176	.00078	.00136	.00167	.00445	.01799
%RSD	.39773	13.945	1.9930	.59825	.00225	.44389	1.2663	.56468	9.6826	7.8424	15.633	25.161	3.6123
#1	2.9672	.01149	.22561	.01035	.02050	1.2870	.04425	3.1010	.00859	.01832	.00948	.02081	.48529
#2	2.9505	.00943	.21933	.01026	.02050	1.2952	.04505	3.1258	.00749	.01640	.01184	.01453	.51073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0657**	**.10869**	**.00969**	**.01822**	**.01013**	**.01488**	**.04676**	**.01010**	F **.02624**	**.01372**
Stddev	.0385	.00143	.00010	.00134	.00004	.00122	.01262	.00018	.00062	.00039
%RSD	3.6123	1.3133	1.0014	7.3644	.41174	8.1780	26.980	1.7534	2.3499	2.8679
#1	1.0385	.10768	.00976	.01727	.01010	.01574	.03784	.01023	.02667	.01344
#2	1.0930	.10970	.00962	.01917	.01016	.01402	.05568	.00998	.02580	.01400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass
Value									.02000	
Range									30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7066.3**	**77921.**	**6298.1**
Stddev	26.0	379.	7.9
%RSD	.36776	.48689	.12608
#1	7048.0	77653.	6292.5
#2	7084.7	78189.	6303.7

Sample Name: 280-49163-c-6-e Acquired: 11/15/2013 2:28:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**.02086**	**-.00336**	**.00674**	**.02716**	**.00005**	**.00180**	**14.908**	**.00002**	**-.00011**
Stddev	.00008	.00043	.00109	.00000	.00030	.00007	.00093	.049	.00013	.00016
%RSD	6.6453	2.0595	32.555	.04310	1.0953	155.27	51.574	.32844	577.95	143.67
#1	-.00130	.02117	-.00259	.00674	.02695	.00010	.00246	14.873	.00011	-.00022
#2	-.00118	.02056	-.00413	.00673	.02737	.00000	.00115	14.942	-.00007	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00008**	**-.00064**	**.07919**	**.77075**	**.00690**	**1.9924**	**.02196**	**.00229**	**5.6003**	**.00020**
Stddev	.00003	.00032	.00177	.00542	.00029	.0049	.00003	.00000	.0009	.00009
%RSD	32.034	50.216	2.2401	.70354	4.1672	.24574	.13691	.06085	.01638	44.953
#1	.00010	-.00042	.07793	.76692	.00669	1.9959	.02198	.00230	5.6010	.00014
#2	.00006	-.00087	.08044	.77459	.00710	1.9890	.02194	.00229	5.5997	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01754**	**-.00102**	**2.2686**	**.00131**	**.00173**	**5.3820**	**11.518**	**-.00061**	**.13597**	**.00307**
Stddev	.00278	.00106	.0021	.00216	.00220	.0463	.099	.00013	.00124	.00066
%RSD	15.863	104.21	.09036	164.62	127.29	.86031	.86031	22.187	.90995	21.612
#1	.01557	-.00177	2.2672	-.00021	.00017	5.3493	11.447	-.00070	.13510	.00353
#2	.01950	-.00027	2.2701	.00284	.00328	5.4148	11.588	-.00051	.13685	.00260
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**.00098**	**-.03484**	**.00051**	**.00950**	**.00090**
Stddev	.00000	.00024	.04568	.00029	.00004	.00118
%RSD	1.4261	24.133	131.11	57.254	.40382	131.95
#1	.00033	.00115	-.06714	.00072	.00952	.00173
#2	.00034	.00081	-.00254	.00031	.00947	.00006
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7042.1**	**78799.**	**6535.0**
Stddev	4.3	37.	17.3
%RSD	.06079	.04721	.26536
#1	7039.0	78826.	6547.3
#2	7045.1	78773.	6522.7

Sample Name: 280-49163-c-7-e Acquired: 11/15/2013 2:31:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00186**	**.00946**	**-.00135**	**.00743**	**.04324**	**-.00001**	**.00234**	**22.884**	**.00013**	**.00002**
Stddev	.00054	.00015	.00137	.00027	.00016	.00005	.00048	.076	.00010	.00023
%RSD	29.039	1.6130	101.25	3.6748	.36566	766.66	20.579	.33081	82.551	1340.3
#1	-.00224	.00957	-.00038	.00763	.04313	.00003	.00200	22.830	.00005	-.00015
#2	-.00147	.00935	-.00232	.00724	.04335	-.00004	.00268	22.937	.00020	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**-.00030**	**.27067**	**.97493**	**.00197**	**5.2116**	**.01879**	**.00063**	**8.4352**	**.00033**
Stddev	.00004	.00045	.00637	.00272	.00185	.0078	.00002	.00021	.0526	.00017
%RSD	60.121	151.77	2.3550	.27932	94.152	.15020	.11040	34.100	.62340	52.668
#1	.00004	.00002	.26616	.97686	.00066	5.2172	.01881	.00078	8.3980	.00045
#2	.00010	-.00062	.27518	.97301	.00328	5.2061	.01878	.00048	8.4724	.00021
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.00031**	**6.5276**	**-.00194**	**.00194**	**6.0611**	**12.971**	**-.00059**	**.23220**	**.00413**
Stddev	.00130	.00119	.0190	.00068	.00180	.0517	.111	.00079	.00087	.00058
%RSD	11.700	382.97	.29032	35.215	92.799	.85281	.85281	132.01	.37261	14.081
#1	.01200	-.00053	6.5410	-.00146	.00322	6.0245	12.893	-.00004	.23158	.00372
#2	.01017	.00115	6.5142	-.00242	.00067	6.0976	13.049	-.00115	.23281	.00454
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00020**	**.00120**	**-.03683**	**.00037**	**.01121**	**.00052**
Stddev	.00016	.00025	.01388	.00020	.00045	.00263
%RSD	77.301	20.832	37.690	54.899	3.9949	510.68
#1	.00032	.00138	-.04665	.00023	.01153	.00238
#2	.00009	.00103	-.02702	.00052	.01089	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7015.6**	**78926.**	**6534.6**
Stddev	7.6	125.	13.0
%RSD	.10880	.15842	.19839
#1	7020.9	78838.	6543.8
#2	7010.2	79015.	6525.5

Sample Name: 280-49163-c-8-e Acquired: 11/15/2013 2:33:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00128**	**.02431**	**-.00178**	**.01244**	**.06405**	**.00004**	**.00214**	**37.259**	**-.00007**	**.00011**
Stddev	.00056	.00040	.00089	.00005	.00003	.00002	.00132	.037	.00011	.00005
%RSD	43.974	1.6462	50.026	.41105	.04422	43.293	61.621	.09846	148.92	45.193
#1	-.00168	.02403	-.00240	.01241	.06403	.00005	.00121	37.285	-.00015	.00007
#2	-.00088	.02460	-.00115	.01248	.06407	.00003	.00307	37.233	.00000	.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**-.00011**	**1.0961**	**1.5878**	**.00397**	**9.5888**	**.22608**	**.00046**	**19.474**	**.00063**
Stddev	.00004	.00012	.0070	.0239	.00011	.0075	.00051	.00011	.029	.00013
%RSD	40.379	110.82	.63641	1.5022	2.8593	.07780	.22525	23.625	.14670	19.981
#1	.00007	-.00002	1.0912	1.6047	.00405	9.5941	.22572	.00039	19.454	.00054
#2	.00013	-.00020	1.1011	1.5710	.00389	9.5836	.22644	.00054	19.494	.00072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04398**	**-.00076**	**14.415**	**.00037**	**-.00027**	**5.9265**	**12.683**	**-.00059**	**.43185**	**.00272**
Stddev	.00091	.00014	.036	.00099	.00185	.0075	.016	.00022	.00087	.00135
%RSD	2.0699	18.456	.24682	266.03	688.05	.12647	.12647	37.913	.20039	49.534
#1	.04333	-.00086	14.440	.00108	-.00157	5.9318	12.694	-.00043	.43246	.00367
#2	.04462	-.00066	14.390	-.00033	.00104	5.9212	12.671	-.00075	.43124	.00177
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00018**	**.00021**	W **-.05147**	**.00015**	**.01076**	**-.00060**
Stddev	.00030	.00020	.00657	.00005	.00013	.00148
%RSD	165.30	96.515	12.769	35.384	1.2405	245.17
#1	.00039	.00036	-.04682	.00011	.01085	.00044
#2	-.00003	.00007	-.05612	.00018	.01067	-.00165
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6913.7**	**77773.**	**6467.9**
Stddev	5.8	244.	60.7
%RSD	.08397	.31422	.93795
#1	6917.8	77946.	6425.0
#2	6909.6	77600.	6510.8

Sample Name: 280-49163-c-9-e Acquired: 11/15/2013 2:35:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00144**	**.01009**	**-.00106**	**.01917**	**.07062**	**.00008**	**.00118**	**82.706**	**.00030**	**-.00017**
Stddev	.00011	.00005	.00230	.00006	.00039	.00007	.00021	.353	.00015	.00000
%RSD	7.9970	.45667	216.84	.33371	.55671	82.301	18.079	.42722	49.416	2.4715
#1	-.00152	.01012	.00057	.01922	.07034	.00013	.00103	82.956	.00040	-.00017
#2	-.00136	.01006	-.00269	.01913	.07089	.00003	.00133	82.457	.00019	-.00016
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00063**	**.08574**	**1.8230**	**.00456**	**22.844**	**.03291**	**.00025**	**54.312**	**.00033**
Stddev	.00010	.00010	.00226	.0610	.00058	.060	.00005	.00027	.224	.00002
%RSD	178.37	15.801	2.6372	3.3470	12.789	.26142	.15145	109.23	.41155	7.3548
#1	-.00012	-.00056	.08733	1.7798	.00497	22.886	.03295	.00044	54.470	.00032
#2	.00001	-.00070	.08414	1.8661	.00415	22.802	.03288	.00006	54.154	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02038**	**-.00015**	**32.829**	**.00230**	**.00262**	**4.9482**	**10.589**	**-.00079**	**1.4605**	**.00509**
Stddev	.00141	.00018	.032	.00129	.00056	.0069	.015	.00051	.0046	.00009
%RSD	6.9412	116.71	.09762	56.275	21.464	.13962	.13962	63.906	.31433	1.8201
#1	.01938	-.00003	32.806	.00321	.00301	4.9433	10.579	-.00044	1.4637	.00515
#2	.02138	-.00027	32.851	.00138	.00222	4.9531	10.600	-.00115	1.4573	.00502
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00033**	**.00063**	W **-.08071**	**.00018**	**.00982**	**-.00088**
Stddev	.00008	.00013	.01398	.00071	.00015	.00120
%RSD	25.616	20.755	17.327	399.94	1.5167	137.11
#1	-.00027	.00072	-.09060	-.00033	.00993	-.00003
#2	-.00039	.00054	-.07082	.00068	.00972	-.00173
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6757.1**	**76267.**	**6452.2**
Stddev	1.9	303.	25.5
%RSD	.02791	.39704	.39564
#1	6755.8	76053.	6434.2
#2	6758.5	76481.	6470.3

Sample Name: 280-49163-c-9-eSD@5 Acquired: 11/15/2013 2:38:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**.00905**	**.00125**	**.00359**	**.01437**	**.00003**	**.00238**	**16.496**	**.00006**	**-.00006**
Stddev	.00019	.00014	.00052	.00059	.00026	.00000	.00011	.242	.00001	.00010
%RSD	14.794	1.5264	41.871	16.433	1.8211	3.0564	4.6823	1.4648	21.227	163.22
#1	-.00117	.00915	.00088	.00400	.01456	.00003	.00230	16.666	.00005	-.00013
#2	-.00145	.00896	.00161	.00317	.01419	.00003	.00246	16.325	.00007	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00008**	**-.00129**	**.02982**	**.47003**	**.00081**	**4.6372**	**.00680**	**-.00020**	W **10.591**	**11.470**
Stddev	.00001	.00031	.00179	.04476	.00042	.0163	.00002	.00006	.087	.100
%RSD	16.636	24.267	6.0056	9.5228	51.483	.35108	.26743	28.996	.82258	.87118
#1	-.00007	-.00107	.03108	.50168	.00052	4.6257	.00682	-.00024	10.653	11.540
#2	-.00009	-.00151	.02855	.43838	.00111	4.6487	.00679	-.00016	10.529	11.399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00010**	**.00565**	**-.00045**	**6.4218**	**.00013**	**.00144**	**.99107**	**2.1209**	**.00078**	**.28900**
Stddev	.00016	.00070	.00026	.0015	.00038	.00132	.00120	.0026	.00049	.00360
%RSD	159.93	12.345	59.238	.02419	303.83	91.160	.12091	.12091	63.153	1.2454
#1	-.00021	.00615	-.00026	6.4228	-.00014	.00237	.99022	2.1191	.00043	.29154
#2	.00001	.00516	-.00063	6.4207	.00040	.00051	.99192	2.1227	.00113	.28645
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00389**	**-.00005**	**-.00028**	W **-.05642**	**.00018**	**.00710**	**.00110**
Stddev	.00143	.00025	.00077	.04294	.00029	.00025	.00007
%RSD	36.738	490.64	274.48	76.122	161.29	3.4491	6.4140
#1	.00490	-.00023	.00026	-.08678	.00038	.00693	.00105
#2	.00288	.00013	-.00083	-.02605	-.00002	.00728	.00115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6936.5**	**77828.**	**6491.4**
Stddev	26.5	483.	79.4
%RSD	.38259	.62043	1.2239
#1	6917.8	78170.	6435.2
#2	6955.3	77487.	6547.5

Sample Name: 280-49163-c-9-f ms Acquired: 11/15/2013 2:40:26 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05314**	**1.9599**	**1.0567**	**1.0826**	**2.0519**	**.04557**	F **2.1333**	**123.44**	**.09520**	**.47239**
Stddev	.00007	.0022	.0004	.0007	.0065	.00001	.0000	.47	.00004	.00079
%RSD	.12424	.11177	.03904	.06439	.31868	.01131	.00113	.38378	.04665	.16763
#1	.05319	1.9583	1.0564	1.0821	2.0473	.04557	2.1333	123.11	.09523	.47295
#2	.05310	1.9614	1.0570	1.0831	2.0566	.04556	2.1333	123.78	.09516	.47183
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21141**	**.24976**	**1.0789**	**50.234**	**1.0057**	**73.096**	**.50840**	**1.0360**	**102.20**	**.51242**
Stddev	.00003	.00027	.0031	.210	.0049	.033	.00076	.0009	.32	.00094
%RSD	.01430	.10756	.29124	.41877	.48981	.04577	.14904	.08520	.30847	.18360
#1	.21139	.24957	1.0767	50.085	1.0022	73.119	.50893	1.0353	101.97	.51175
#2	.21144	.24995	1.0811	50.382	1.0092	73.072	.50786	1.0366	102.42	.51308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.747**	**.44230**	**32.406**	**.51045**	**2.1434**	**14.959**	**32.012**	W **2.0104**	**2.3844**	**.99891**
Stddev	.014	.00020	.030	.00152	.0047	.014	.031	.0048	.0088	.00124
%RSD	.13303	.04560	.09262	.29710	.22165	.09558	.09558	.24037	.37011	.12416
#1	10.758	.44244	32.427	.51152	2.1467	14.969	32.034	2.0070	2.3781	.99979
#2	10.737	.44215	32.384	.50937	2.1400	14.949	31.991	2.0138	2.3906	.99803
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0100**	**1.8179**	**3.2638**	**.47500**	**.49766**	**.46475**
Stddev	.0011	.0001	.0180	.00032	.00255	.00491
%RSD	.11183	.00294	.55190	.06723	.51320	1.0570
#1	1.0092	1.8180	3.2766	.47523	.49585	.46127
#2	1.0108	1.8179	3.2511	.47478	.49946	.46822
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6686.3**	**74691.**	**6469.1**
Stddev	10.0	28.	39.2
%RSD	.14898	.03794	.60597
#1	6693.4	74671.	6496.8
#2	6679.3	74711.	6441.4

Sample Name: 280-49163-c-9-g msd Acquired: 11/15/2013 2:42:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200884 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05226**	**1.9581**	**1.0555**	**1.0920**	**2.0519**	**.04573**	F **2.1224**	**126.15**	**.09494**	**.46925**
Stddev	.00020	.0051	.0011	.0065	.0057	.00029	.0097	.08	.00033	.00020
%RSD	.37338	.26078	.10060	.59277	.27578	.63250	.45704	.06038	.34848	.04208
#1	.05239	1.9545	1.0562	1.0966	2.0559	.04594	2.1292	126.21	.09517	.46911
#2	.05212	1.9617	1.0547	1.0874	2.0479	.04553	2.1155	126.10	.09470	.46939
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21125**	**.24571**	**1.0932**	**50.403**	**1.0055**	**73.337**	**.50568**	**1.0375**	**104.09**	**.51154**
Stddev	.00092	.00127	.0124	.061	.0028	.015	.00001	.0028	.37	.00357
%RSD	.43614	.51696	1.1390	.12131	.27746	.02093	.00166	.27182	.35657	.69805
#1	.21190	.24660	1.1021	50.360	1.0075	73.326	.50568	1.0355	104.35	.51407
#2	.21059	.24481	1.0844	50.446	1.0035	73.348	.50567	1.0394	103.82	.50902
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.700**	**.44231**	**33.266**	**.51092**	**2.1497**	**15.233**	**32.599**	W **2.0280**	**2.4338**	**.98982**
Stddev	.004	.00336	.076	.00353	.0090	.033	.071	.0098	.0029	.00512
%RSD	.03504	.76018	.22831	.69156	.41712	.21686	.21686	.48531	.11791	.51714
#1	10.702	.44469	33.320	.51342	2.1561	15.210	32.549	2.0350	2.4358	.99344
#2	10.697	.43993	33.213	.50842	2.1434	15.257	32.649	2.0210	2.4317	.98620
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0114**	**1.8167**	**3.2058**	**.47212**	**.49686**	**.46400**
Stddev	.0012	.0051	.0110	.00300	.00287	.00283
%RSD	.11727	.28280	.34226	.63512	.57770	.60893
#1	1.0122	1.8204	3.1981	.47424	.49483	.46201
#2	1.0105	1.8131	3.2136	.47000	.49889	.46600
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6666.2**	**74836.**	**6408.5**
Stddev	16.4	434.	41.9
%RSD	.24592	.58040	.65347
#1	6677.7	75143.	6438.1
#2	6654.6	74529.	6378.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 2:44:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00869**	**47.842**	**-.00012**	**.00373**	**.00116**	**-.00009**	W **1.0773**	**.02979**	**.00081**	**-.00119**	**.00033**	**-.00805**
Stddev	.00000	.088	.00231	.00008	.00016	.00010	.0054	.00527	.00019	.00008	.00019	.00019
%RSD	.03764	.18346	1889.1	2.2712	13.674	110.60	.50165	17.676	23.896	6.3947	57.307	2.3306
#1	-.00870	47.904	.00151	.00379	.00127	-.00002	1.0811	.03351	.00068	-.00125	.00047	-.00818
#2	-.00869	47.780	-.00176	.00367	.00105	-.00017	1.0735	.02607	.00095	-.00114	.00020	-.00792
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.611**	**.18247**	**.00046**	**.05447**	**-.00005**	**.00095**	**254.12**	**-.00076**	**.00360**	**-.00258**	**5.0690**	**.00197**
Stddev	.221	.00238	.00043	.00554	.00006	.00004	.26	.00045	.00045	.00056	.0255	.00269
%RSD	.43590	1.3057	92.991	10.178	118.54	4.0124	.10090	59.150	12.609	21.729	.50345	136.78
#1	50.455	.18415	.00076	.05055	-.00001	.00092	254.30	-.00107	.00392	-.00219	5.0871	.00006
#2	50.767	.18078	.00016	.05839	-.00009	.00098	253.93	-.00044	.00328	-.00298	5.0510	.00387
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00196**	**.01015**	**.02173**	**.00059**	**.00041**	**5.1209**	**.01495**	**.00227**	F **8.3885**	**.00067**	**.00264**	**-.08038**
Stddev	.00426	.01532	.03278	.00028	.00007	.0144	.00056	.00125	.1098	.00040	.00012	.00255
%RSD	216.97	150.88	150.88	47.683	16.302	.28224	3.7535	54.963	1.3090	59.782	4.6670	3.1751
#1	-.00498	.02098	.04491	.00039	.00046	5.1107	.01535	.00139	8.4662	.00096	.00255	-.08218
#2	.00105	-.00068	-.00145	.00079	.00036	5.1311	.01455	.00315	8.3109	.00039	.00273	-.07857
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6849.1**	**75637.**	**6401.3**
Stddev	18.0	221.	68.8
%RSD	.26281	.29213	1.0748
#1	6861.8	75793.	6352.7
#2	6836.3	75481.	6450.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 2:47:01 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56302	.54912	1.0781	.54188	.51265	.46851	-.00756	4.6671	.48678	.50742	.54858	.50893
Stddev	.00150	.00265	.0001	.00025	.00095	.00127	.00218	.0116	.00022	.00127	.00143	.00160
%RSD	.26570	.48340	.01020	.04685	.18628	.27187	28.843	.24903	.04616	.25092	.25988	.31415
#1	.56408	.55100	1.0782	.54170	.51198	.46761	-.00602	4.6589	.48662	.50832	.54958	.51006
#2	.56196	.54725	1.0780	.54206	.51333	.46941	-.00910	4.6753	.48694	.50652	.54757	.50780
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000											
Range	10.490%											

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6600	48.782	1.0164	21.179	.50282	.53582	5.3810	F .55361	1.0709	.96197	.01204	1.0369
Stddev	.0037	.012	.0014	.007	.00002	.00172	.0132	.00055	.0001	.00354	.00026	.0039
%RSD	.13782	.02411	.13924	.03509	.00381	.32071	.24522	.09977	.00995	.36828	2.1353	.37292
#1	2.6574	48.791	1.0154	21.184	.50284	.53704	5.3717	.55322	1.0708	.96447	.01186	1.0396
#2	2.6626	48.774	1.0174	21.174	.50281	.53461	5.3903	.55400	1.0710	.95946	.01222	1.0342
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.490%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 1.1048	5.2338	11.200	1.0635	.49555	.00466	.51584	1.0100	-.01192	.48281	.52855	.49459
Stddev	.0048	.0076	.016	.0051	.00133	.00020	.00034	.0016	.02209	.00142	.00093	.00196
%RSD	.43377	.14434	.14434	.47761	.26749	4.3670	.06543	.15458	185.35	.29457	.17588	.39538
#1	1.1082	5.2284	11.189	1.0671	.49462	.00451	.51560	1.0111	.00370	.48180	.52921	.49597
#2	1.1014	5.2391	11.212	1.0599	.49649	.00480	.51608	1.0089	-.02754	.48381	.52789	.49321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value	1.0000											
Range	10.000%											

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6890.0	76536.	6324.0
Stddev	14.9	246.	43.6
%RSD	.21654	.32133	.68910
#1	6879.5	76710.	6293.2
#2	6900.6	76363.	6354.9

Sample Name: CCB Acquired: 11/15/2013 2:49:09 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00116**	**.00042**	**-.00081**	**.00249**	F **.00282**	F **.00051**	**.00146**	F **.15840**	**.00002**	**-.00019**	**-.00009**
Stddev	.00103	.00026	.00107	.00008	.00314	.00045	.00136	.22829	.00006	.00007	.00009
%RSD	89.263	61.015	131.28	3.1712	111.59	88.265	92.882	144.12	260.58	37.581	108.02
#1	-.00043	.00060	-.00157	.00243	.00504	.00082	.00050	.31983	.00006	-.00014	-.00015
#2	-.00189	.00024	-.00006	.00254	.00059	.00019	.00243	-.00303	-.00002	-.00024	-.00002
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00115	.00050		.06900			
Low Limit	-.00093				-.00115	-.00050		-.06900			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00795**	F **.03989**	**.21514**	**.00190**	**.00278**	**.00004**	**.00029**	F **.56209**	**-.00035**	**.00174**	**-.00014**
Stddev	.00038	.05723	.08000	.00246	.00247	.00007	.00010	.38488	.00010	.00103	.00038
%RSD	4.7285	143.45	37.184	129.38	88.943	170.75	33.788	68.472	29.131	59.208	263.43
#1	.00769	.08036	.27171	.00364	.00453	-.00001	.00036	.83424	-.00042	.00101	.00012
#2	.00822	-.00057	.15858	.00016	.00103	.00009	.00022	.28994	-.00028	.00246	-.00041
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00272	.03000						.18320			
Low Limit	-.00272	-.03000						-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02260**	W **.00531**	**.00060**	W **.03487**	**.07462**	**-.00014**	F **.00322**	**.00378**	**-.00007**	**-.00035**	**-.01905**
Stddev	.01328	.00180	.00057	.04810	.10293	.00009	.00445	.00209	.00017	.00152	.02935
%RSD	58.762	34.013	94.749	137.93	137.93	64.442	138.07	55.208	240.32	431.04	154.06
#1	.01321	.00403	.00020	.06888	.14740	-.00020	.00637	.00525	-.00019	.00072	-.03981
#2	.03200	.00658	.00101	.00086	.00184	-.00008	.00008	.00230	.00005	-.00143	.00170
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Warn	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314		.03470			.00050				
Low Limit		-.00314		-.06940			-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00051**	**.00399**	**-.00020**
Stddev	.00010	.00027	.00123
%RSD	18.847	6.6875	610.41
#1	.00044	.00380	.00067
#2	.00058	.00418	-.00107
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6863.6**	**76951.**	**6318.6**
Stddev	25.6	551.	21.9
%RSD	.37283	.71553	.34657
#1	6881.7	77341.	6303.1
#2	6845.5	76562.	6334.1

Sample Name: CCVL2379751 Acquired: 11/15/2013 2:51:29 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00972**	**.11242**	**.01408**	**.10848**	**.01071**	**.00093**	**.11827**	**.18607**	**.00471**	**.01047**	**.01109**	**.01440**	**.10273**	**2.9644**
Stddev	.00042	.00031	.00351	.00030	.00069	.00008	.00005	.00085	.00000	.00011	.00001	.00083	.00195	.0387
%RSD	4.3468	.27470	24.916	.27221	6.4522	8.6286	.04362	.45564	.05659	1.0574	.11563	5.7703	1.9018	1.3063
#1	.00943	.11220	.01160	.10869	.01022	.00088	.11823	.18547	.00471	.01040	.01108	.01499	.10411	2.9918
#2	.01002	.11264	.01656	.10827	.01120	.00099	.11830	.18667	.00471	.01055	.01110	.01381	.10135	2.9370
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01172**	**.21884**	**.01022**	**.02057**	**1.2375**	**.04506**	**3.1246**	**.00871**	**.00825**	**.00994**	**.01814**	**.50009**	**1.0702**	**.10723**
Stddev	.00333	.00201	.00003	.00016	.0002	.00046	.0111	.00048	.00049	.00217	.00001	.01154	.0247	.00080
%RSD	28.389	.92026	.32598	.76768	.01498	1.0231	.35599	5.5606	5.9034	21.797	.03136	2.3078	2.3078	.74996
#1	.00937	.22026	.01020	.02046	1.2376	.04474	3.1167	.00905	.00860	.01148	.01814	.50825	1.0876	.10666
#2	.01408	.21741	.01025	.02068	1.2373	.04539	3.1324	.00837	.00791	.00841	.01815	.49192	1.0527	.10780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00963**	**.01680**	**.01008**	**.01659**	**.05037**	**.00960**	**.02498**	**.01404**
Stddev	.00009	.00147	.00001	.00005	.03261	.00039	.00040	.00125
%RSD	.94629	8.7527	.05638	.31487	64.744	4.0134	1.6044	8.8769
#1	.00956	.01784	.01008	.01655	.02731	.00987	.02527	.01316
#2	.00969	.01576	.01007	.01662	.07343	.00933	.02470	.01493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7062.9**	**78543.**	**6410.0**
Stddev	21.2	545.	147.9
%RSD	.30050	.69402	2.3080
#1	7077.9	78157.	6514.7
#2	7047.8	78928.	6305.4

Sample Name: mb 280-200877/1-a Acquired: 11/15/2013 2:53:50 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00156**	**.00183**	**.00045**	**.00138**	**.00045**	**.00010**	**.00359**	**.00546**	**-.00028**	**-.00017**
Stddev	.00088	.00027	.00059	.00038	.00007	.00004	.00079	.00090	.00002	.00015
%RSD	56.248	14.495	130.67	27.519	15.883	36.638	21.951	16.483	6.5130	84.907
#1	-.00094	.00164	.00003	.00111	.00050	.00008	.00303	.00610	-.00027	-.00007
#2	-.00219	.00202	.00087	.00165	.00040	.00013	.00414	.00483	-.00029	-.00027
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.01000									
Low Limit	-.00010									

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00003**	**-.00098**	**.00023**	**.06224**	**-.00037**	**.00232**	**.00018**	**-.00020**	W **.24159**	**-.00031**
Stddev	.00008	.00026	.00043	.01010	.00178	.00005	.00002	.00008	.00413	.00015
%RSD	261.96	26.180	188.30	16.228	485.39	2.2042	9.3027	38.990	1.7090	48.314
#1	-.00002	-.00116	.00054	.06938	.00089	.00228	.00017	-.00025	.23867	-.00020
#2	.00008	-.00080	-.00008	.05510	-.00162	.00235	.00019	-.00014	.24451	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									.05054	
Low Limit									-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**-.00043**	F **.01531**	**.00160**	**-.00192**	F **.01146**	**.02453**	**-.00031**	**-.00005**	W **.00358**
Stddev	.00086	.00033	.00150	.00134	.00093	.00987	.02113	.00006	.00015	.00006
%RSD	270.40	77.949	9.8142	83.705	48.552	86.119	86.119	19.973	326.76	1.7570
#1	-.00029	-.00066	.01637	.00254	-.00258	.01844	.03947	-.00027	-.00015	.00354
#2	.00093	-.00019	.01424	.00065	-.00126	.00448	.00959	-.00036	.00006	.00363
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Warn
High Limit			.01000			.01000				.00000
Low Limit			-.01000			-.01000				-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00023**	**.00049**	**-.00272**	**-.00034**	W **.00381**	**.00012**
Stddev	.00004	.00019	.02193	.00037	.00025	.00214
%RSD	18.298	39.367	804.96	107.09	6.5310	1839.5
#1	-.00026	.00035	-.01823	-.00060	.00363	.00163
#2	-.00020	.00063	.01278	-.00008	.00399	-.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6961.8**	**77562.**	**6316.8**
Stddev	9.6	452.	11.9
%RSD	.13853	.58319	.18764
#1	6968.6	77882.	6308.5
#2	6954.9	77242.	6325.2

Sample Name: lcs 280-200877/2-a Acquired: 11/15/2013 2:56:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05321**	**2.0156**	**1.0580**	**1.0630**	**2.0259**	**.04662**	**2.1641**	F **44.218**	**.09480**	**.48407**
Stddev	.00023	.0022	.0024	.0033	.0009	.00030	.0052	.107	.00005	.00212
%RSD	.43051	.11023	.22872	.31127	.04388	.64811	.24090	.24286	.04816	.43741
#1	.05337	2.0141	1.0597	1.0653	2.0266	.04641	2.1678	44.293	.09484	.48557
#2	.05305	2.0172	1.0563	1.0607	2.0253	.04684	2.1604	44.142	.09477	.48257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21575**	**.24875**	**1.0460**	**48.713**	**1.0136**	**51.675**	**.48564**	**1.0408**	**51.565**	**.52813**
Stddev	.00103	.00008	.0009	.122	.0010	.426	.00253	.0039	.399	.00385
%RSD	.47596	.03256	.08683	.25062	.10328	.82371	.52159	.37043	.77307	.72839
#1	.21647	.24881	1.0453	48.626	1.0128	51.976	.48743	1.0435	51.283	.53085
#2	.21502	.24870	1.0466	48.799	1.0143	51.374	.48385	1.0381	51.847	.52541
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.665**	**.45164**	**.06967**	**.50857**	**2.1706**	**10.300**	**22.042**	**2.0464**	**.97842**	**1.0103**
Stddev	.044	.00065	.08843	.00019	.0004	.040	.086	.0124	.00033	.0051
%RSD	.41584	.14378	126.93	.03671	.01659	.39141	.39141	.60326	.03335	.50239
#1	10.634	.45210	.00714	.50844	2.1703	10.272	21.981	2.0552	.97865	1.0139
#2	10.696	.45118	.13220	.50871	2.1708	10.329	22.103	2.0377	.97819	1.0068
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0151**	**1.8931**	F **3.3240**	**.47850**	**.50604**	**.46989**
Stddev	.0043	.0080	.0435	.00102	.00656	.00036
%RSD	.41935	.42087	1.3100	.21412	1.2964	.07618
#1	1.0181	1.8987	3.2933	.47922	.51068	.46964
#2	1.0121	1.8875	3.3548	.47778	.50141	.47014
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6775.5**	**75126.**	**6329.3**
Stddev	22.1	818.	7.7
%RSD	.32547	1.0890	.12183
#1	6759.9	74548.	6323.9
#2	6791.1	75705.	6334.8

Sample Name: 280-49163-c-1-a Acquired: 11/15/2013 2:58:15 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00159**	**.22327**	**-.00356**	**.02332**	**.08192**	**-.00003**	**.00232**	**52.343**	**.00026**	**-.00020**
Stddev	.00080	.00210	.00038	.00073	.00005	.00004	.00015	.010	.00016	.00014
%RSD	50.511	.94068	10.782	3.1289	.06378	171.66	6.3113	.01964	60.745	68.397
#1	-.00102	.22475	-.00383	.02383	.08196	-.00006	.00243	52.335	.00015	-.00010
#2	-.00215	.22178	-.00328	.02280	.08189	.00001	.00222	52.350	.00037	-.00030
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00012**	**.33957**	**1.8229**	**.00218**	**17.586**	**.10389**	**.00192**	**62.261**	**.00043**
Stddev	.00005	.00025	.00012	.0471	.00069	.043	.00001	.00004	.034	.00011
%RSD	14.876	205.50	.03675	2.5811	31.641	.24281	.00621	2.0822	.05510	25.725
#1	.00038	.00005	.33966	1.8562	.00266	17.617	.10388	.00189	62.285	.00051
#2	.00031	-.00030	.33948	1.7896	.00169	17.556	.10389	.00195	62.236	.00035
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01399**	**.00002**	**23.042**	**.00073**	**.00250**	**5.7719**	**12.352**	**.00007**	**.81710**	**.00384**
Stddev	.00133	.00034	.021	.00139	.00056	.0186	.040	.00035	.00035	.00153
%RSD	9.5219	1487.3	.09008	190.45	22.376	.32303	.32303	491.57	.04239	39.949
#1	.01493	-.00022	23.057	.00172	.00210	5.7587	12.324	.00032	.81685	.00275
#2	.01305	.00026	23.027	-.00025	.00289	5.7851	12.380	-.00018	.81734	.00492
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00587**	**.00141**	**-.01384**	**.00108**	**.00515**	**-.00116**
Stddev	.00034	.00014	.05247	.00008	.00019	.00026
%RSD	5.7392	10.095	379.18	7.3378	3.5960	22.281
#1	.00611	.00131	.02326	.00114	.00502	-.00098
#2	.00563	.00151	-.05094	.00103	.00528	-.00135
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6812.7**	**76388.**	**6381.4**
Stddev	1.3	229.	36.2
%RSD	.01937	.30022	.56780
#1	6811.8	76226.	6355.7
#2	6813.6	76551.	6407.0

Sample Name: 280-49163-c-1-aSD@5 Acquired: 11/15/2013 3:00:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.05429**	**-.00165**	**.00595**	**.01638**	**-.00005**	**.00195**	**10.500**	**-.00017**	**.00000**
Stddev	.00044	.00047	.00109	.00120	.00064	.00003	.00030	.013	.00006	.00010
%RSD	41.738	.86451	65.724	20.232	3.8914	51.265	15.664	.12160	38.115	2219.7
#1	-.00137	.05463	-.00088	.00681	.01592	-.00007	.00173	10.509	-.00012	-.00007
#2	-.00075	.05396	-.00242	.00510	.01683	-.00003	.00216	10.491	-.00021	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00074**	**.16012**	**.42993**	**.00282**	**3.5622**	**.02120**	**.00020**	**12.374**	**-.00019**
Stddev	.00021	.00001	.00471	.03772	.00092	.0148	.00000	.00005	.102	.00002
%RSD	370.93	1.9879	2.9440	8.7734	32.733	.41540	.01279	23.034	.82120	8.5870
#1	.00021	-.00073	.15678	.45661	.00347	3.5517	.02120	.00016	12.302	-.00020
#2	-.00009	-.00075	.16345	.40326	.00217	3.5726	.02120	.00023	12.446	-.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00280**	**-.00106**	**4.4984**	**-.00023**	**.00201**	**1.1303**	**2.4189**	**.00073**	**.16271**	**.00354**
Stddev	.00093	.00092	.0049	.00241	.00073	.0246	.0526	.00039	.00034	.00219
%RSD	33.161	86.628	.10868	1048.4	36.486	2.1731	2.1731	53.087	.20980	61.865
#1	.00214	-.00171	4.4950	.00148	.00252	1.1129	2.3817	.00045	.16247	.00509
#2	.00346	-.00041	4.5019	-.00194	.00149	1.1477	2.4560	.00100	.16295	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00079**	**.00003**	**-.04369**	**.00074**	**.00590**	**-.00126**
Stddev	.00006	.00148	.03957	.00036	.00001	.00072
%RSD	7.7133	4357.2	90.564	48.206	.22713	56.809
#1	.00074	.00108	-.01571	.00099	.00589	-.00177
#2	.00083	-.00101	-.07167	.00049	.00591	-.00075
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6966.6**	**77579.**	**6354.4**
Stddev	20.7	446.	8.9
%RSD	.29736	.57485	.13932
#1	6952.0	77894.	6348.1
#2	6981.3	77264.	6360.7

Sample Name: 280-49163-c-1-b ms Acquired: 11/15/2013 3:02:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05142**	**2.2950**	**1.0416**	**1.0792**	**2.0397**	**.04512**	F **2.1011**	**94.264**	**.09359**	**.46574**
Stddev	.00017	.0025	.0057	.0092	.0032	.00001	.0174	.033	.00031	.00024
%RSD	.33591	.10819	.54422	.85098	.15554	.02912	.82890	.03482	.33378	.05130
#1	.05130	2.2932	1.0456	1.0857	2.0419	.04511	2.1135	94.287	.09381	.46557
#2	.05155	2.2967	1.0376	1.0727	2.0374	.04513	2.0888	94.241	.09337	.46591
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20940**	**.24254**	**1.3360**	**49.815**	**.99548**	**66.861**	**.56853**	**1.0337**	**108.79**	**.50796**
Stddev	.00155	.00201	.0076	.039	.00188	.080	.00066	.0025	.10	.00327
%RSD	.74190	.82914	.57264	.07907	.18873	.12038	.11546	.24084	.09323	.64468
#1	.21050	.24112	1.3415	49.787	.99681	66.918	.56900	1.0355	108.86	.51028
#2	.20831	.24396	1.3306	49.843	.99415	66.804	.56807	1.0320	108.71	.50565
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.489**	**.43801**	**22.888**	**.50646**	**2.0961**	**16.079**	**34.410**	W **2.0163**	**1.7524**	**.97924**
Stddev	.004	.00086	.030	.00123	.0178	.041	.088	.0089	.0015	.00202
%RSD	.03907	.19662	.13280	.24346	.85016	.25702	.25702	.44130	.08681	.20609
#1	10.486	.43861	22.909	.50733	2.1087	16.050	34.347	2.0226	1.7535	.97781
#2	10.492	.43740	22.866	.50559	2.0835	16.109	34.472	2.0100	1.7513	.98067
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0132**	**1.7862**	**3.1675**	**.46941**	**.48660**	**.46288**
Stddev	.0010	.0076	.0307	.00116	.00150	.00008
%RSD	.09888	.42535	.97051	.24749	.30831	.01748
#1	1.0139	1.7916	3.1893	.46859	.48766	.46294
#2	1.0125	1.7808	3.1458	.47023	.48554	.46282
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6734.2**	**75329.**	**6382.4**
Stddev	7.0	81.	9.9
%RSD	.10424	.10703	.15511
#1	6739.1	75272.	6375.4
#2	6729.2	75386.	6389.4

Sample Name: 280-49163-c-1-c msd Acquired: 11/15/2013 3:05:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05239**	**2.3241**	**1.0508**	**1.0903**	**2.0704**	**.04581**	F **2.1262**	**95.449**	**.09508**	**.47269**
Stddev	.00027	.0017	.0053	.0092	.0017	.00006	.0143	.023	.00080	.00149
%RSD	.51029	.07209	.50269	.84301	.08093	.13297	.67094	.02379	.84078	.31600
#1	.05220	2.3253	1.0470	1.0838	2.0716	.04585	2.1162	95.465	.09451	.47163
#2	.05258	2.3229	1.0545	1.0968	2.0692	.04577	2.1363	95.433	.09564	.47374
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21235**	**.24700**	**1.3583**	**50.424**	**1.0079**	**67.642**	**.57823**	**1.0474**	**111.00**	**.51502**
Stddev	.00203	.00050	.0011	.014	.0001	.210	.00149	.0008	.13	.00486
%RSD	.95816	.20320	.08416	.02687	.01010	.31039	.25855	.07653	.12092	.94324
#1	.21091	.24736	1.3591	50.434	1.0078	67.494	.57717	1.0469	110.91	.51159
#2	.21379	.24665	1.3575	50.414	1.0079	67.790	.57929	1.0480	111.10	.51846
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.615**	**.44428**	**23.202**	**.51052**	**2.1258**	**16.321**	**34.927**	W **2.0342**	**1.7799**	**.99502**
Stddev	.007	.00564	.052	.00754	.0198	.054	.115	.0162	.0011	.00441
%RSD	.06466	1.2688	.22599	1.4775	.93282	.32911	.32911	.79652	.06008	.44344
#1	10.610	.44029	23.165	.50519	2.1118	16.359	35.009	2.0227	1.7791	.99190
#2	10.620	.44826	23.239	.51585	2.1398	16.283	34.846	2.0456	1.7806	.99814
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0266**	**1.8186**	**3.2621**	**.47474**	**.49063**	**.47053**
Stddev	.0019	.0062	.0291	.00310	.00009	.00016
%RSD	.18877	.34110	.89083	.65321	.01844	.03368
#1	1.0252	1.8142	3.2827	.47693	.49057	.47065
#2	1.0280	1.8229	3.2416	.47254	.49070	.47042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6692.4**	**74793.**	**6427.0**
Stddev	.4	175.	14.0
%RSD	.00631	.23422	.21816
#1	6692.7	74917.	6417.1
#2	6692.1	74669.	6436.9

Sample Name: 280-49163-c-2-a Acquired: 11/15/2013 3:07:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**.01971**	**-.00281**	**.02208**	**.06665**	**.00006**	**.00200**	**45.235**	**.00025**	**.00002**
Stddev	.00044	.00028	.00094	.00106	.00010	.00008	.00065	.057	.00014	.00002
%RSD	29.226	1.4209	33.484	4.7998	.14715	143.74	32.301	.12566	55.840	97.534
#1	-.00120	.01991	-.00348	.02283	.06671	.00011	.00245	45.275	.00035	.00001
#2	-.00183	.01951	-.00215	.02133	.06658	.00000	.00154	45.195	.00015	.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00015**	**-.00071**	**.12133**	**1.5499**	**.00482**	**14.082**	**.06001**	**.00174**	**56.296**	**.00024**
Stddev	.00006	.00029	.00201	.0423	.00021	.034	.00005	.00018	.604	.00026
%RSD	39.964	41.038	1.6528	2.7285	4.2929	.24008	.07594	10.299	1.0724	106.90
#1	.00010	-.00050	.12275	1.5200	.00467	14.106	.06004	.00186	55.869	.00006
#2	.00019	-.00092	.11991	1.5798	.00496	14.058	.05998	.00161	56.723	.00043
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00917**	**-.00088**	**19.710**	**.00006**	**.00114**	**5.2386**	**11.211**	**-.00087**	**.67134**	**.00446**
Stddev	.00107	.00173	.011	.00039	.00116	.0077	.016	.00056	.00083	.00150
%RSD	11.680	196.13	.05482	603.35	102.10	.14649	.14649	64.533	.12309	33.637
#1	.00841	.00034	19.703	.00034	.00196	5.2440	11.222	-.00047	.67076	.00340
#2	.00993	-.00210	19.718	-.00021	.00032	5.2332	11.199	-.00126	.67193	.00552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00055**	**.00148**	W **-.07072**	**.00030**	**.00401**	**.00176**
Stddev	.00006	.00006	.01061	.00007	.00011	.00012
%RSD	11.607	4.3228	15.005	23.953	2.6981	7.0582
#1	.00059	.00153	-.06322	.00025	.00409	.00185
#2	.00050	.00144	-.07823	.00035	.00393	.00167
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6882.9**	**76927.**	**6412.5**
Stddev	7.2	52.	71.2
%RSD	.10477	.06712	1.1107
#1	6888.0	76964.	6362.1
#2	6877.8	76891.	6462.8

Sample Name: CCVH-2372891 Acquired: 11/15/2013 3:09:29 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00920**	**47.970**	**-.00112**	**.00296**	**.00066**	**-.00003**	W **1.0766**	**.02271**	**.00079**	**-.00102**	**.00024**	**-.00776**
Stddev	.00051	.130	.00035	.00041	.00024	.00006	.0068	.00205	.00009	.00028	.00003	.00013
%RSD	5.4958	.27192	30.842	13.819	36.646	175.31	.63145	9.0132	11.141	27.511	13.243	1.6449
#1	-.00884	47.878	-.00136	.00325	.00083	.00001	1.0718	.02416	.00073	-.00082	.00022	-.00785
#2	-.00956	48.062	-.00088	.00267	.00049	-.00008	1.0814	.02127	.00085	-.00122	.00027	-.00767
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.543**	**.15527**	**.00069**	**.05471**	**-.00015**	**.00043**	**254.15**	**-.00073**	**.00627**	**-.00238**	**5.0603**	**.00093**
Stddev	.585	.02064	.00050	.00663	.00000	.00041	1.62	.00026	.00060	.00064	.0277	.00044
%RSD	1.1573	13.291	73.379	12.119	.43264	96.748	.63679	35.395	9.6220	26.782	.54745	47.367
#1	50.130	.16986	.00033	.05002	-.00015	.00013	253.00	-.00055	.00670	-.00193	5.0407	.00125
#2	50.957	.14068	.00104	.05940	-.00015	.00072	255.29	-.00091	.00584	-.00284	5.0799	.00062
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00240**	**.00494**	**.01057**	**-.00043**	**.00025**	**5.1222**	**.01504**	**.00237**	F **8.3652**	**.00069**	**.00222**	**-.08273**
Stddev	.00240	.02809	.06011	.00031	.00007	.0004	.00008	.00066	.0251	.00051	.00027	.00025
%RSD	99.998	568.88	568.88	72.795	29.924	.00798	.51201	27.756	.30063	73.926	12.096	.30387
#1	-.00070	.02480	.05307	-.00065	.00030	5.1219	.01499	.00284	8.3829	.00033	.00203	-.08291
#2	-.00410	-.01492	-.03194	-.00021	.00020	5.1225	.01510	.00191	8.3474	.00106	.00241	-.08256
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6868.5**	**75432.**	**6412.1**
Stddev	12.1	250.	26.5
%RSD	.17602	.33199	.41287
#1	6877.1	75254.	6430.8
#2	6860.0	75609.	6393.4

Sample Name: CCV-2372889 Acquired: 11/15/2013 3:11:54 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56091	.54685	1.0710	.54257	.51000	.46702	-.00681	4.6374	.48635	.50631	.54620	.50832	2.6479
Stddev	.00228	.00045	.0023	.00432	.00101	.00143	.00020	.0106	.00139	.00087	.00073	.00091	.0122
%RSD	.40700	.08307	.21207	.79654	.19764	.30622	2.9595	.22869	.28654	.17106	.13369	.17999	.46096
#1	.56252	.54718	1.0694	.53952	.51071	.46803	-.00695	4.6449	.48734	.50570	.54568	.50768	2.6392
#2	.55930	.54653	1.0726	.54563	.50929	.46601	-.00667	4.6299	.48537	.50693	.54671	.50897	2.6565
Check ?	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000												
Range	10.490%												

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.637	1.0121	21.110	.50157	.53118	5.3226	F .55254	1.0607	.95866	.00760	1.0291	1.0929	5.1872
Stddev	.207	.0023	.050	.00124	.00178	.0435	.00250	.0014	.00294	.00214	.0030	.0087	.0153
%RSD	.42584	.22845	.23631	.24634	.33531	.81668	.45314	.13654	.30663	28.136	.28898	.79647	.29452
#1	48.783	1.0138	21.145	.50245	.52992	5.3533	.55077	1.0597	.95658	.00609	1.0270	1.0868	5.1980
#2	48.490	1.0105	21.074	.50070	.53244	5.2918	.55431	1.0617	.96074	.00911	1.0312	1.0991	5.1764
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value							.50000						
Range							10.490%						

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.101	1.0508	.49344	.00648	.51470	1.0001	-.02542	.48558	.52716	.49010
Stddev	.033	.0021	.00227	.00073	.00012	.0011	.03058	.00205	.00009	.00113
%RSD	.29452	.20101	.45928	11.337	.02280	.10905	120.28	.42189	.01651	.23073
#1	11.124	1.0493	.49504	.00596	.51478	1.0009	-.00380	.48703	.52722	.48931
#2	11.077	1.0523	.49184	.00700	.51462	.99937	-.04704	.48413	.52710	.49090
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6858.0	76191.	6286.5
Stddev	5.3	135.	6.3
%RSD	.07764	.17742	.10029
#1	6854.2	76096.	6282.1
#2	6861.7	76287.	6291.0

Sample Name: CCB Acquired: 11/15/2013 3:14:03 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00144**	**.00010**	**-.00070**	**.00201**	**.00046**	**.00005**	**.00440**	**-.00431**	**-.00009**	**-.00005**	**.00008**
Stddev	.00012	.00040	.00034	.00019	.00035	.00001	.00102	.00129	.00014	.00007	.00015
%RSD	8.0964	421.32	49.482	9.4556	74.927	16.473	23.251	29.832	151.04	136.68	192.79
#1	-.00152	-.00019	-.00094	.00188	.00071	.00005	.00368	-.00522	.00001	.00000	.00019
#2	-.00136	.00038	-.00045	.00215	.00022	.00006	.00512	-.00340	-.00019	-.00010	-.00003
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00120**	**-.00211**	**.18833**	**.00139**	**.00367**	**.00014**	**.00009**	F **.24648**	**-.00027**	**.00085**	**-.00004**
Stddev	.00017	.00015	.00827	.00125	.00325	.00002	.00014	.00588	.00046	.00125	.00098
%RSD	13.704	7.3010	4.3902	90.293	88.536	14.226	155.42	2.3864	170.75	146.67	2768.3
#1	-.00132	-.00200	.18249	.00050	.00597	.00012	.00020	.24232	-.00060	.00174	-.00073
#2	-.00109	-.00222	.19418	.00227	.00137	.00015	-.00001	.25064	.00006	-.00003	.00066
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01215**	W **.00622**	**-.00222**	**-.00026**	**-.00056**	**-.00007**	**-.00006**	**.00503**	**.00001**	**.00051**	**-.02656**
Stddev	.00007	.00124	.00114	.01521	.03254	.00057	.00018	.00122	.00017	.00041	.00832
%RSD	.59906	19.973	51.189	5761.7	5761.7	828.96	292.34	24.265	2376.9	80.331	31.316
#1	.01220	.00534	-.00142	.01049	.02245	-.00047	-.00019	.00417	-.00011	.00080	-.02068
#2	.01210	.00710	-.00303	-.01102	-.02358	.00033	.00006	.00590	.00013	.00022	-.03244
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00009**	**.00349**	**-.00136**
Stddev	.00025	.00073	.00289
%RSD	279.55	20.993	212.01
#1	-.00009	.00400	-.00341
#2	.00026	.00297	.00068
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6857.7**	**77278.**	**6165.9**
Stddev	7.7	162.	60.3
%RSD	.11230	.21024	.97805
#1	6852.3	77164.	6123.3
#2	6863.2	77393.	6208.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 3:16:23 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00934**	**.11539**	**.01473**	**.10843**	**.01050**	**.00101**	**.12076**	**.18611**	**.00479**	**.01032**	**.01097**	**.01385**	**.10330**	**2.9969**
Stddev	.00035	.00451	.00044	.00031	.00031	.00002	.00280	.00221	.00004	.00010	.00017	.00008	.00307	.0526
%RSD	3.6995	3.9084	3.0170	.28976	2.9181	2.4096	2.3204	1.1854	.76036	.93276	1.5399	.59218	2.9700	1.7555
#1	.00910	.11858	.01505	.10865	.01072	.00103	.11878	.18455	.00482	.01025	.01109	.01390	.10547	3.0341
#2	.00959	.11220	.01442	.10820	.01028	.00099	.12274	.18767	.00477	.01039	.01085	.01379	.10113	2.9597
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01108**	**.22155**	**.01024**	**.02086**	**1.2352**	**.04500**	**3.1240**	**.00896**	**.01134**	**.01004**	**.01745**	**.51710**	**1.1066**	**.10901**
Stddev	.00138	.00201	.00003	.00011	.0065	.00004	.0037	.00104	.00491	.00018	.00111	.00502	.0107	.00010
%RSD	12.485	.90513	.28327	.51764	.52534	.09142	.11734	11.636	43.310	1.8238	6.3605	.97009	.97009	.09163
#1	.01206	.22013	.01022	.02078	1.2306	.04503	3.1214	.00969	.01482	.01017	.01824	.52064	1.1142	.10894
#2	.01010	.22297	.01026	.02094	1.2398	.04497	3.1266	.00822	.00787	.00991	.01667	.51355	1.0990	.10908
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00979**	**.01805**	**.01032**	**.01660**	**.07400**	**.00985**	**.02456**	**.01335**
Stddev	.00013	.00047	.00023	.00045	.03779	.00010	.00025	.00071
%RSD	1.3440	2.6245	2.2170	2.7017	51.065	1.0578	1.0047	5.3215
#1	.00989	.01839	.01048	.01691	.04728	.00992	.02473	.01285
#2	.00970	.01772	.01015	.01628	.10072	.00977	.02438	.01385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7124.3**	**79481.**	**6320.0**
Stddev	6.8	873.	4.5
%RSD	.09524	1.0984	.07074
#1	7119.5	78864.	6323.2
#2	7129.1	80099.	6316.8

Sample Name: 280-49163-c-3-a Acquired: 11/15/2013 3:18:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00146**	**.46398**	**-.00086**	**.01513**	**.07503**	**.00007**	**.00131**	**51.996**	**.00037**	**.00011**
Stddev	.00067	.00043	.00313	.00009	.00116	.00002	.00006	.066	.00015	.00004
%RSD	45.778	.09183	363.11	.56344	1.5455	35.937	4.9017	.12627	41.550	33.566
#1	-.00194	.46428	.00135	.01507	.07585	.00008	.00126	52.042	.00026	.00013
#2	-.00099	.46368	-.00307	.01519	.07421	.00005	.00135	51.949	.00047	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00044**	**-.00021**	**.74724**	**2.1669**	**.00385**	**14.402**	**.30741**	**.00060**	**32.563**	**.00080**
Stddev	.00009	.00028	.00642	.0143	.00129	.035	.00012	.00006	1.232	.00010
%RSD	21.363	135.07	.85920	.65855	33.471	.24368	.03741	9.3821	3.7844	12.547
#1	.00051	-.00001	.75178	2.1770	.00294	14.427	.30749	.00056	33.434	.00087
#2	.00038	-.00040	.74270	2.1568	.00477	14.377	.30732	.00064	31.692	.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03223**	**-.00006**	**13.720**	**.00085**	**.00064**	**6.4143**	**13.727**	**-.00061**	**.72244**	**.00556**
Stddev	.00139	.00082	.004	.00290	.00237	.0472	.101	.00027	.00340	.00188
%RSD	4.3174	1330.2	.03101	341.83	372.28	.73519	.73519	43.934	.47122	33.745
#1	.03125	.00052	13.717	.00290	-.00104	6.4477	13.798	-.00080	.72485	.00689
#2	.03322	-.00064	13.723	-.00120	.00231	6.3810	13.655	-.00042	.72003	.00423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01268**	**.00078**	W **-.07885**	**.00118**	**.00556**	**-.00040**
Stddev	.00121	.00092	.06096	.00053	.00063	.00011
%RSD	9.5305	118.57	77.321	45.157	11.392	26.936
#1	.01182	.00143	-.12195	.00080	.00601	-.00047
#2	.01353	.00013	-.03574	.00156	.00512	-.00032
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6867.5**	**76697.**	**6443.9**
Stddev	10.2	168.	44.3
%RSD	.14892	.21944	.68701
#1	6860.3	76578.	6475.2
#2	6874.7	76816.	6412.6

Sample Name: 280-49163-c-4-b Acquired: 11/15/2013 3:21:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00162**	**.23528**	**-.00044**	**.00989**	**.05010**	**.00000**	**.00175**	**27.993**	**.00009**	**.00013**
Stddev	.00008	.00162	.00261	.00078	.00056	.00002	.00066	.101	.00000	.00015
%RSD	5.0709	.68837	594.49	7.8706	1.1125	499.67	37.776	.35968	.29826	117.20
#1	-.00168	.23642	-.00228	.00934	.04971	.00002	.00222	28.064	.00009	.00002
#2	-.00157	.23413	.00140	.01044	.05050	-.00001	.00128	27.922	.00009	.00024
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00024**	**-.00033**	**.63689**	**1.1338**	**.00206**	**6.6146**	**.05378**	**.00052**	**12.190**	**.00040**
Stddev	.00003	.00043	.00853	.0327	.00218	.0100	.00018	.00011	.100	.00011
%RSD	13.394	131.07	1.3391	2.8843	105.61	.15100	.33289	20.604	.82227	28.161
#1	.00027	-.00002	.63086	1.1106	.00360	6.6216	.05365	.00044	12.261	.00032
#2	.00022	-.00063	.64292	1.1569	.00052	6.6075	.05391	.00059	12.119	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02090**	**-.00031**	**9.3054**	**.00083**	**-.00026**	**5.6568**	**12.106**	**-.00031**	**.30141**	**.00377**
Stddev	.00081	.00118	.0380	.00109	.00048	.0450	.096	.00023	.00092	.00035
%RSD	3.8606	379.15	.40844	130.48	183.15	.79513	.79513	73.544	.30448	9.3744
#1	.02033	.00052	9.2785	.00160	-.00060	5.6250	12.038	-.00015	.30206	.00352
#2	.02147	-.00115	9.3322	.00006	.00008	5.6886	12.174	-.00047	.30076	.00402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00623**	**.00048**	**-.01741**	**.00083**	**.00562**	**.00118**
Stddev	.00069	.00022	.01969	.00058	.00017	.00001
%RSD	11.081	46.419	113.15	70.091	3.0184	.91704
#1	.00672	.00063	-.03133	.00042	.00574	.00118
#2	.00574	.00032	-.00348	.00124	.00550	.00119
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6994.4**	**78140.**	**6535.1**
Stddev	18.8	207.	53.4
%RSD	.26869	.26527	.81776
#1	7007.6	77994.	6497.3
#2	6981.1	78287.	6572.9

Sample Name: 280-49163-c-5-a Acquired: 11/15/2013 3:23:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00118**	**.04040**	**-.00065**	**.00878**	**.04637**	**.00007**	**.00291**	**26.066**	**-.00001**	**.00000**
Stddev	.00027	.00028	.00078	.00009	.00080	.00001	.00063	.099	.00031	.0000
%RSD	22.743	.68555	119.38	1.0501	1.7215	8.6332	21.516	.37915	3921.1	1730.9
#1	-.00137	.04021	-.00120	.00872	.04580	.00007	.00336	25.996	-.00023	.00002
#2	-.00099	.04060	-.00010	.00885	.04693	.00008	.00247	26.136	.00021	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**-.00050**	**.41178**	**1.0549**	**.00369**	**6.0147**	**.02525**	**.00064**	W **10.621**	**11.603**
Stddev	.00012	.00021	.00342	.0214	.00126	.0309	.00015	.00019	.063	.073
%RSD	775.92	42.713	.83104	2.0292	34.134	.51345	.60834	29.550	.59139	.63226
#1	.00007	-.00035	.40936	1.0700	.00458	5.9929	.02514	.00077	10.577	11.551
#2	-.00010	-.00065	.41420	1.0397	.00280	6.0366	.02536	.00051	10.665	11.655
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00051**	**.01410**	**-.00024**	**8.7070**	**.00053**	**.00131**	**5.4620**	**11.689**	**-.00078**	**.26901**
Stddev	.00025	.00070	.00064	.0440	.00230	.00182	.0223	.048	.00092	.00134
%RSD	49.807	4.9933	262.20	.50483	432.86	138.42	.40894	.40894	118.83	.49955
#1	.00033	.01460	-.00070	8.6759	-.00110	.00003	5.4463	11.655	-.00143	.26806
#2	.00069	.01360	.00021	8.7381	.00216	.00260	5.4778	11.723	-.00012	.26996
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00469**	**.00124**	**.00100**	W **-.05324**	**.00067**	**.00500**	**.00077**
Stddev	.00086	.00041	.00010	.00876	.00031	.00011	.00040
%RSD	18.281	33.054	9.6993	16.457	46.141	2.2956	52.114
#1	.00530	.00095	.00093	-.05943	.00089	.00492	.00105
#2	.00408	.00153	.00107	-.04704	.00045	.00508	.00048
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				45.000			
Low Limit				-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6996.8**	**78564.**	**6518.8**
Stddev	18.2	325.	14.7
%RSD	.26077	.41352	.22496
#1	7009.7	78794.	6508.4
#2	6983.9	78334.	6529.1

Sample Name: 280-49163-c-6-b Acquired: 11/15/2013 3:25:49 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.10715**	**-.00104**	**.00620**	**.02693**	**.00011**	**.00124**	**14.574**	**-.00023**	**-.00004**
Stddev	.00017	.00079	.00183	.00063	.00021	.00002	.00526	.005	.00007	.00008
%RSD	13.473	.73595	175.91	10.088	.79833	20.522	425.44	.03281	29.261	218.33
#1	-.00117	.10771	.00025	.00665	.02708	.00010	-.00248	14.570	-.00018	.00002
#2	-.00141	.10660	-.00234	.00576	.02678	.00013	.00496	14.577	-.00028	-.00009
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**.00012**	**.12057**	**.75504**	**.00452**	**1.9630**	**.02070**	**.00216**	**5.4124**	**.00007**
Stddev	.00005	.00015	.00135	.01746	.00159	.0042	.00000	.00009	.0268	.00016
%RSD	639.28	125.32	1.1233	2.3128	35.114	.21255	.01776	4.0475	.49573	241.29
#1	.00005	.00022	.12153	.76738	.00565	1.9600	.02070	.00209	5.4314	-.00005
#2	-.00003	.00001	.11961	.74269	.00340	1.9659	.02070	.00222	5.3935	.00018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01875**	**-.00045**	**2.1746**	**.00019**	**.00163**	**5.3529**	**11.455**	**-.00148**	**.13230**	**.00518**
Stddev	.00038	.00081	.0008	.00059	.00374	.0579	.124	.00014	.00017	.00154
%RSD	2.0214	178.48	.03772	304.15	230.22	1.0818	1.0818	9.2479	.13207	29.777
#1	.01901	-.00103	2.1740	-.00022	-.00102	5.3938	11.543	-.00138	.13243	.00627
#2	.01848	.00012	2.1752	.00061	.00427	5.3119	11.368	-.00157	.13218	.00409
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00310**	**-.00001**	W **-.08400**	**.00048**	**.00431**	**-.00121**
Stddev	.00029	.00056	.00278	.00042	.00032	.00069
%RSD	9.4739	8784.8	3.3081	86.472	7.5105	57.042
#1	.00289	.00039	-.08597	.00019	.00454	-.00170
#2	.00331	-.00040	-.08204	.00078	.00408	-.00072
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7081.6**	**79005.**	**6516.4**
Stddev	3.3	78.	17.0
%RSD	.04600	.09818	.26066
#1	7083.9	78950.	6528.4
#2	7079.3	79060.	6504.4

Sample Name: 280-49163-c-7-b Acquired: 11/15/2013 3:28:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.05909**	**-.00133**	**.00761**	**.04473**	**.00038**	**.00062**	**23.034**	**-.00007**	**.00001**
Stddev	.00037	.00043	.00041	.00002	.00192	.00039	.00228	.049	.00011	.00015
%RSD	24.692	.73576	30.860	.20618	4.2953	102.80	367.89	.21327	162.14	1466.1
#1	-.00125	.05940	-.00104	.00760	.04337	.00010	.00223	23.069	-.00014	.00012
#2	-.00178	.05878	-.00162	.00762	.04609	.00066	-.00099	23.000	.00001	-.00010
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00014**	**-.00059**	**.34042**	**1.0224**	**.00408**	**5.2828**	**.01944**	**.00073**	**9.1805**	**.00032**
Stddev	.00002	.00006	.04904	.0892	.00001	.0210	.00013	.00010	1.0650	.00036
%RSD	15.643	9.9686	14.405	8.7219	.25131	.39743	.64917	13.734	11.600	110.41
#1	.00013	-.00055	.30574	.95939	.00407	5.2976	.01935	.00066	8.4275	.00007
#2	.00016	-.00063	.37509	1.0855	.00409	5.2679	.01953	.00080	9.9336	.00058
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01742**	**.00040**	**6.5259**	**-.00053**	**-.00083**	**6.0641**	**12.977**	**-.00032**	**.23519**	**.00432**
Stddev	.00414	.00001	.0875	.00247	.00313	.0433	.093	.00013	.00106	.00062
%RSD	23.781	1.3234	1.3407	466.59	375.04	.71474	.71474	41.431	.45081	14.347
#1	.02035	.00040	6.5878	.00122	.00138	6.0948	13.043	-.00041	.23444	.00388
#2	.01449	.00039	6.4640	-.00228	-.00305	6.0335	12.912	-.00023	.23594	.00476
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00153**	**.00067**	**-.04528**	**-.00007**	**.00505**	**-.00008**
Stddev	.00008	.00120	.01018	.00048	.00024	.00118
%RSD	5.3024	179.35	22.488	667.64	4.7988	1512.4
#1	.00147	.00152	-.03808	-.00041	.00487	-.00091
#2	.00159	-.00018	-.05248	.00027	.00522	.00076
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7053.0**	**78554.**	**6599.3**
Stddev	20.2	303.	19.9
%RSD	.28585	.38585	.30211
#1	7038.7	78339.	6585.2
#2	7067.2	78768.	6613.4

Sample Name: 280-49163-c-8-b Acquired: 11/15/2013 3:30:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00141**	**.32989**	**-.00188**	**.01242**	**.06553**	**.00002**	**.00158**	**36.890**	**.00009**	**.00042**
Stddev	.00027	.00106	.00006	.00036	.00059	.00004	.00065	.137	.00008	.00021
%RSD	19.473	.32001	3.2260	2.8997	.90576	172.46	40.949	.37196	85.461	50.495
#1	-.00122	.32914	-.00192	.01217	.06511	-.00001	.00204	36.793	.00014	.00057
#2	-.00160	.33063	-.00183	.01268	.06595	.00005	.00112	36.987	.00004	.00027
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00034**	**-.00012**	**1.4017**	**1.6417**	**.00160**	**9.4875**	**.25139**	**.00057**	**18.741**	**.00090**
Stddev	.00021	.00037	.0001	.0210	.00040	.0122	.00082	.00005	.413	.00022
%RSD	62.462	307.53	.00608	1.2797	24.654	.12828	.32706	9.1889	2.2026	23.915
#1	.00049	-.00038	1.4016	1.6269	.00132	9.4789	.25197	.00061	18.450	.00075
#2	.00019	.00014	1.4017	1.6566	.00188	9.4961	.25081	.00054	19.033	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05843**	**-.00056**	**14.046**	**-.00044**	**-.00093**	**6.2275**	**13.327**	**-.00054**	**.42501**	**.00178**
Stddev	.00003	.00057	.025	.00301	.00300	.0408	.087	.00056	.00165	.00071
%RSD	.05408	100.86	.17765	690.96	323.10	.65465	.65465	104.89	.38833	40.029
#1	.05840	-.00016	14.029	-.00256	.00119	6.1987	13.265	-.00093	.42384	.00228
#2	.05845	-.00097	14.064	.00169	-.00305	6.2563	13.389	-.00014	.42618	.00128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00907**	**.00094**	**.01561**	**.00101**	**.00632**	**.00013**
Stddev	.00013	.00098	.02370	.00035	.00063	.00024
%RSD	1.4569	103.59	151.78	34.992	10.029	182.67
#1	.00898	.00025	-.00114	.00126	.00587	.00030
#2	.00916	.00164	.03237	.00076	.00677	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6950.0**	**77987.**	**6431.3**
Stddev	9.9	567.	37.2
%RSD	.14220	.72666	.57813
#1	6943.0	78387.	6457.6
#2	6957.0	77586.	6405.0

Sample Name: 280-49163-c-9-b Acquired: 11/15/2013 3:32:52 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00155**	**.12889**	**-.00111**	**.01978**	**.07464**	**.00006**	**.00003**	**86.125**	**.00019**	**-.00022**
Stddev	.00043	.00120	.00004	.00011	.00042	.00001	.00068	.162	.00004	.00020
%RSD	27.737	.93392	3.4932	.57160	.55902	11.152	2180.2	.18785	22.665	90.034
#1	-.00125	.12974	-.00114	.01986	.07493	.00006	-.00045	86.239	.00016	-.00036
#2	-.00186	.12804	-.00109	.01970	.07434	.00005	.00051	86.010	.00022	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00001**	**.12827**	**1.8488**	**.00496**	**23.604**	**.03120**	**.00006**	**56.656**	**-.00012**
Stddev	.00013	.00024	.00064	.0163	.00059	.056	.00009	.00006	.208	.00019
%RSD	306.28	1951.5	.49867	.88195	11.849	.23541	.27792	99.707	.36682	154.41
#1	.00013	.00018	.12782	1.8603	.00537	23.643	.03114	.00002	56.509	-.00025
#2	-.00005	-.00016	.12872	1.8372	.00454	23.565	.03126	.00010	56.803	.00001
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02968**	**-.00084**	**33.850**	**.00157**	**.00312**	**5.2612**	**11.259**	**-.00056**	**1.5140**	**.00318**
Stddev	.00089	.00077	.052	.00038	.00002	.0287	.061	.00033	.0001	.00067
%RSD	3.0086	92.597	.15245	24.529	.56675	.54551	.54551	58.253	.00892	21.183
#1	.03031	-.00029	33.813	.00184	.00313	5.2409	11.215	-.00079	1.5141	.00270
#2	.02905	-.00138	33.886	.00129	.00310	5.2815	11.302	-.00033	1.5139	.00365
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00073**	**.00007**	**-.03579**	**.00091**	**.00509**	**-.00077**
Stddev	.00004	.00103	.01348	.00004	.00022	.00133
%RSD	5.2401	1543.9	37.668	4.1553	4.3135	171.81
#1	.00070	-.00066	-.02625	.00088	.00524	-.00172
#2	.00076	.00079	-.04532	.00093	.00493	.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6796.4**	**76701.**	**6375.7**
Stddev	3.4	365.	40.3
%RSD	.04987	.47541	.63158
#1	6794.0	76443.	6404.2
#2	6798.8	76959.	6347.2

Sample Name: 280-49167-c-1-a Acquired: 11/15/2013 3:35:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200877 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00139**	**.01013**	**-.00265**	**.02444**	**.47540**	**.00000**	**-.00060**	**2.9614**	**-.00016**	**-.00047**
Stddev	.00030	.00041	.00033	.00077	.00006	.00001	.00120	.0182	.00004	.00009
%RSD	21.392	4.0766	12.430	3.1449	.01192	649.28	197.65	.61382	25.325	18.889
#1	-.00118	.01042	-.00242	.02499	.47544	.00000	-.00145	2.9742	-.00019	-.00053
#2	-.00160	.00984	-.00289	.02390	.47536	.00000	.00024	2.9485	-.00013	-.00041
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00110**	**.00108**	**1.8546**	**2.2207**	**.02843**	**.81143**	**.02779**	**.00115**	**317.43**	**.00141**
Stddev	.00008	.00030	.0035	.0510	.00038	.00111	.00003	.00016	1.00	.00044
%RSD	7.3390	28.224	.18742	2.2945	1.3266	.13658	.10042	14.174	.31414	31.454
#1	.00116	.00086	1.8571	2.1846	.02816	.81064	.02777	.00103	318.14	.00110
#2	.00105	.00129	1.8522	2.2567	.02870	.81221	.02781	.00126	316.73	.00172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01735**	**-.00020**	**.07047**	**-.00029**	**.00290**	**7.5108**	**16.073**	**-.00029**	**.26552**	**.00165**
Stddev	.00089	.00092	.00334	.00036	.00568	.0975	.209	.00041	.00022	.00003
%RSD	5.1396	455.69	4.7378	122.69	195.78	1.2987	1.2987	141.77	.08449	1.8560
#1	.01798	-.00086	.07283	-.00004	-.00112	7.5798	16.221	.00000	.26536	.00163
#2	.01672	.00045	.06811	-.00055	.00692	7.4418	15.925	-.00058	.26568	.00167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00004**	**.00120**	**-.00352**	**-.00013**	**.00546**	**-.00083**
Stddev	.00003	.00092	.00405	.00040	.00026	.00000
%RSD	68.518	76.703	115.01	306.60	4.8003	.25006
#1	.00002	.00185	-.00638	.00015	.00565	-.00083
#2	.00006	.00055	-.00066	-.00042	.00528	-.00083
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6707.3**	**74783.**	**6394.8**
Stddev	14.2	354.	32.7
%RSD	.21126	.47279	.51069
#1	6717.3	75033.	6417.9
#2	6697.2	74533.	6371.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 3:37:40 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00907**	**48.204**	**-.00186**	**.00097**	**.00090**	**-.00002**	W **1.0825**	**.01572**	**.00070**	**-.00113**	**.00020**	**-.00765**
Stddev	.00011	.369	.00048	.00030	.00028	.00000	.0024	.00395	.00007	.00003	.00007	.00028
%RSD	1.2484	.76542	25.517	30.343	31.141	3.6123	.21829	25.098	9.9867	2.8661	34.435	3.6524
#1	-.00899	47.943	-.00153	.00076	.00070	-.00002	1.0809	.01851	.00065	-.00111	.00015	-.00745
#2	-.00915	48.465	-.00220	.00118	.00110	-.00003	1.0842	.01293	.00075	-.00116	.00025	-.00785
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.798**	**.11501**	**.00298**	**.05088**	**-.00012**	**.00040**	**254.71**	**-.00088**	**.00303**	**-.00154**	**5.0939**	**.00250**
Stddev	.391	.00679	.00000	.00074	.00009	.00009	3.94	.00010	.00078	.00078	.0083	.00289
%RSD	.77022	5.9067	.10504	1.4483	70.248	22.038	1.5456	10.899	25.918	50.924	.16354	115.89
#1	50.522	.11982	.00297	.05140	-.00018	.00034	251.93	-.00095	.00247	-.00098	5.0880	.00045
#2	51.075	.11021	.00298	.05035	-.00006	.00047	257.50	-.00081	.00358	-.00209	5.0998	.00454
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00328**	**.00972**	**.02081**	**-.00046**	**.00010**	**5.2001**	**.01502**	**.00243**	F **8.4939**	**.00033**	**.00226**	**-.08505**
Stddev	.00257	.00505	.01080	.00049	.00004	.0005	.00026	.00026	.0550	.00023	.00000	.00004
%RSD	78.419	51.927	51.927	105.10	40.093	.00947	1.7549	10.813	.64793	67.994	.03236	.04337
#1	-.00510	.01329	.02845	-.00081	.00007	5.1998	.01483	.00225	8.5328	.00049	.00226	-.08507
#2	-.00146	.00615	.01317	-.00012	.00013	5.2005	.01520	.00262	8.4550	.00017	.00225	-.08502
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6795.5**	**74883.**	**6231.1**
Stddev	13.1	305.	82.0
%RSD	.19341	.40757	1.3161
#1	6804.8	74668.	6289.1
#2	6786.2	75099.	6173.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 3:40:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.55688**	F **.55511**	**1.0648**	**.53649**	**.51362**	**.47081**	**-.01005**	**4.6829**	**.48748**	**.50895**	**.54619**	**.50828**
Stddev	.00276	.00260	.0085	.00142	.00321	.00092	.00056	.0181	.00141	.00010	.00019	.00420
%RSD	.49544	.46767	.79529	.26533	.62526	.19492	5.5462	.38682	.29020	.01890	.03438	.82577
#1	.55493	.55328	1.0588	.53548	.51135	.47016	-.00966	4.6701	.48648	.50901	.54632	.50531
#2	.55883	.55695	1.0708	.53750	.51589	.47146	-.01045	4.6957	.48848	.50888	.54606	.51125
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6527**	**49.131**	**1.0207**	**21.148**	**.50444**	**.53551**	**5.4054**	W **.55027**	**1.0658**	**.97259**	**.00683**	**1.0369**
Stddev	.0043	.176	.0027	.070	.00063	.00071	.0183	.00110	.0028	.00078	.00054	.0026
%RSD	.16152	.35829	.26945	.33278	.12424	.13343	.33833	.20024	.26266	.08029	7.9387	.24941
#1	2.6497	49.007	1.0188	21.098	.50400	.53501	5.3924	.54949	1.0638	.97204	.00645	1.0351
#2	2.6558	49.256	1.0227	21.197	.50488	.53602	5.4183	.55105	1.0678	.97314	.00722	1.0387
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.000%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0973**	**5.2001**	**11.128**	**1.0588**	**.49681**	**.00615**	**.51568**	**1.0116**	**-.06170**	**.48803**	**.53088**	**.49482**
Stddev	.0038	.0294	.063	.0022	.00136	.00130	.00103	.0007	.00182	.00018	.00023	.00007
%RSD	.35036	.56579	.56579	.20905	.27327	21.170	.19904	.06720	2.9442	.03617	.04320	.01429
#1	1.0945	5.2209	11.173	1.0604	.49585	.00707	.51495	1.0111	-.06042	.48815	.53104	.49477
#2	1.1000	5.1793	11.084	1.0573	.49777	.00523	.51641	1.0120	-.06299	.48790	.53071	.49487
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6897.6**	**76677.**	**6256.9**
Stddev	18.6	69.	2.8
%RSD	.26994	.08984	.04550
#1	6884.4	76725.	6254.9
#2	6910.8	76628.	6258.9

Sample Name: CCB Acquired: 11/15/2013 3:42:11 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00149**	**.00250**	**-.00167**	**.00098**	**.00035**	**.00013**	**.00148**	**-.00248**	**-.00015**	**-.00014**	**.00006**
Stddev	.00061	.00061	.00018	.00018	.00006	.00006	.00084	.00047	.00019	.00017	.00010
%RSD	40.866	24.188	10.748	18.432	18.000	46.542	57.105	18.778	128.66	119.87	169.24
#1	-.00106	.00208	-.00180	.00085	.00031	.00017	.00207	-.00215	-.00001	-.00002	.00013
#2	-.00192	.00293	-.00154	.00111	.00040	.00009	.00088	-.00281	-.00029	-.00026	-.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00127**	**.00204**	**.14349**	**.00062**	**.00357**	**.00008**	**.00015**	F **.25277**	**-.00021**	**.00105**	**.00214**
Stddev	.00048	.00052	.01077	.00208	.00026	.00002	.00012	.01946	.00009	.00007	.00061
%RSD	37.687	25.679	7.5077	337.14	7.3672	24.840	82.183	7.7003	42.676	6.6089	28.675
#1	-.00161	.00241	.15111	.00208	.00375	.00007	.00023	.26653	-.00027	.00100	.00171
#2	-.00093	.00167	.13587	-.00085	.00338	.00009	.00006	.23901	-.00014	.00110	.00258
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit								.18320			
Low Limit								-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00605**	W **.00536**	**.00168**	**-.00326**	**-.00697**	**-.00020**	**-.00002**	**.00448**	**.00012**	**.00059**	**-.03054**
Stddev	.00265	.00027	.00172	.02412	.05162	.00025	.00010	.00118	.00030	.00053	.04732
%RSD	43.762	5.1325	102.53	741.00	741.00	126.17	438.98	26.421	246.02	90.537	154.96
#1	.00418	.00516	.00046	.01380	.02953	-.00037	-.00009	.00531	.00033	.00096	-.06400
#2	.00792	.00555	.00290	-.02031	-.04347	-.00002	.00005	.00364	-.00009	.00021	.00292
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00007**	**.00310**	**.00128**
Stddev	.00051	.00019	.00020
%RSD	754.91	6.1506	15.424
#1	.00043	.00296	.00142
#2	-.00029	.00323	.00114
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6877.9**	**77234.**	**6217.5**
Stddev	6.3	5.	34.4
%RSD	.09152	.00634	.55378
#1	6882.4	77231.	6193.2
#2	6873.5	77238.	6241.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 3:44:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**.11327**	**.01626**	**.10635**	**.01055**	**.00098**	**.11946**	**.19375**	**.00480**	**.01048**	**.01088**	**.01375**	**.10965**
Stddev	.00004	.00000	.00283	.00028	.00028	.00000	.00493	.00166	.00008	.00031	.00008	.00024	.00210
%RSD	.45962	.00175	17.389	.26430	2.6835	.23336	4.1238	.85700	1.6716	2.9189	.72627	1.7706	1.9190
#1	.00980	.11327	.01826	.10615	.01075	.00098	.11597	.19492	.00485	.01070	.01094	.01358	.11114
#2	.00973	.11327	.01426	.10655	.01035	.00098	.12294	.19257	.00474	.01026	.01083	.01393	.10816
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0766**	**.01038**	**.22251**	**.01020**	**.02064**	**1.2498**	**.04495**	**3.1090**	**.00913**	**.02339**	**.01045**	**.01439**	**.51294**
Stddev	.0221	.00133	.00076	.00002	.00007	.0164	.00032	.0091	.00085	.01794	.00315	.00021	.03470
%RSD	.71746	12.797	.34209	.17299	.31639	1.3091	.71406	.29411	9.3451	76.713	30.165	1.4731	6.7648
#1	3.0610	.00944	.22305	.01019	.02069	1.2614	.04472	3.1025	.00852	.03608	.00822	.01454	.48841
#2	3.0922	.01131	.22197	.01021	.02059	1.2383	.04518	3.1154	.00973	.01070	.01268	.01424	.53748
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0977**	**.10787**	**.00991**	**.01843**	**.01025**	**.01691**	F **.09005**	**.00996**	**.02533**	**.01337**
Stddev	.0743	.00020	.00000	.00071	.00010	.00007	.02950	.00018	.00048	.00069
%RSD	6.7648	.18567	.02672	3.8467	.98468	.42242	32.759	1.7881	1.9119	5.1973
#1	1.0452	.10801	.00991	.01893	.01018	.01696	.06919	.01008	.02499	.01386
#2	1.1502	.10773	.00991	.01793	.01032	.01686	.11091	.00983	.02568	.01288
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7087.4**	**79032.**	**6292.2**
Stddev	2.3	74.	18.2
%RSD	.03258	.09302	.28893
#1	7089.0	79084.	6279.3
#2	7085.7	78980.	6305.0

Sample Name: mb 280-200646/1-a Acquired: 11/15/2013 3:46:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**.00713**	**-.00134**	**.00062**	**.00050**	**.00005**	**.00240**	**.02398**	**-.00024**	**-.00015**
Stddev	.00011	.00031	.00237	.00010	.00007	.00009	.00108	.00090	.00015	.00013
%RSD	8.2954	4.2914	177.55	16.043	13.317	172.98	45.017	3.7556	63.093	90.788
#1	-.00137	.00735	.00034	.00069	.00055	-.00001	.00316	.02334	-.00035	-.00024
#2	-.00122	.00692	-.00302	.00055	.00046	.00012	.00163	.02462	-.00014	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00012**	**-.00018**	**.01364**	**.13196**	**.00032**	**.00572**	**.00029**	**-.00022**	**.31505**	**-.00002**
Stddev	.00001	.00013	.00123	.01041	.00003	.00196	.00002	.00008	.00221	.00002
%RSD	8.8695	68.966	9.0392	7.8899	8.1974	34.315	6.4254	35.703	.69995	123.49
#1	.00013	-.00009	.01277	.13932	.00030	.00433	.00027	-.00017	.31349	-.00003
#2	.00011	-.00027	.01451	.12460	.00033	.00710	.00030	-.00028	.31661	.00000
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00556**	**-.00045**	**.02551**	**.00151**	**.00020**	**.00734**	**.01571**	**.01113**	**-.00005**	**.00380**
Stddev	.00037	.00007	.00097	.00114	.00234	.00823	.01761	.00052	.00012	.00065
%RSD	6.6547	16.156	3.8080	75.365	1188.8	112.10	112.10	4.6785	228.05	17.012
#1	.00582	-.00050	.02619	.00231	.00185	.01316	.02817	.01150	.00003	.00425
#2	.00530	-.00039	.02482	.00070	-.00146	.00152	.00326	.01076	-.00013	.00334
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00005**	**-.00006**	**-.04281**	**.00012**	**.00496**	**-.00012**
Stddev	.00021	.00026	.00342	.00001	.00069	.00121
%RSD	392.29	454.76	7.9906	6.0069	13.992	973.77
#1	-.00020	-.00024	-.04523	.00012	.00545	.00073
#2	.00009	.00012	-.04040	.00013	.00447	-.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.4**	**78690.**	**6413.8**
Stddev	3.8	222.	30.4
%RSD	.05351	.28180	.47420
#1	7007.8	78534.	6435.3
#2	7013.1	78847.	6392.3

Sample Name: lcs 280-200646/2-a Acquired: 11/15/2013 3:49:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05094**	**2.0304**	**1.0406**	**1.0358**	**2.0030**	**.04591**	**2.1271**	F **44.077**	**.09509**	**.48487**
Stddev	.00011	.0068	.0074	.0068	.0109	.00019	.0158	.199	.00108	.00037
%RSD	.21100	.33273	.70795	.65947	.54159	.41831	.74462	.45233	1.1368	.07662
#1	.05086	2.0352	1.0354	1.0310	1.9953	.04578	2.1159	43.936	.09432	.48513
#2	.05102	2.0256	1.0459	1.0407	2.0107	.04605	2.1383	44.218	.09585	.48461
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit								55.500		
Low Limit								44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21526**	**.24696**	**1.0246**	**48.446**	**1.0054**	**50.638**	**.48355**	**1.0358**	**50.681**	**.52614**
Stddev	.00151	.00308	.0210	.307	.0077	.194	.00136	.0012	.066	.00373
%RSD	.70118	1.2490	2.0444	.63432	.76457	.38385	.28093	.11597	.12933	.70886
#1	.21419	.24914	1.0098	48.229	1.0000	50.776	.48451	1.0350	50.634	.52350
#2	.21632	.24478	1.0394	48.664	1.0109	50.501	.48259	1.0367	50.727	.52878
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.484**	**.45727**	**.01781**	**.49326**	**2.1012**	F **1.8070**	**3.8670**	**2.0284**	**.96895**	**.99545**
Stddev	.011	.00390	.00095	.00164	.0089	.0349	.0748	.0065	.00451	.00037
%RSD	.10209	.85309	5.3173	.33318	.42208	1.9334	1.9334	.32216	.46511	.03710
#1	10.477	.45451	.01714	.49210	2.0950	1.7823	3.8142	2.0238	.96577	.99572
#2	10.492	.46003	.01848	.49442	2.1075	1.8317	3.9199	2.0330	.97214	.99519
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Fail	None	Chk Pass	Chk Pass	Chk Pass
High Limit						11.000				
Low Limit						9.0000				

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0098**	**1.8814**	F **3.2643**	**.47791**	**.49974**	**.45580**
Stddev	.0054	.0094	.0153	.00108	.00188	.00362
%RSD	.53203	.49982	.46813	.22584	.37549	.79409
#1	1.0136	1.8748	3.2535	.47867	.50106	.45324
#2	1.0060	1.8881	3.2751	.47714	.49841	.45836
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6684.8**	**75282.**	**6263.0**
Stddev	11.7	167.	24.5
%RSD	.17569	.22235	.39076
#1	6676.5	75164.	6280.3
#2	6693.1	75400.	6245.7

Sample Name: 280-49082-a-1-a Acquired: 11/15/2013 3:51:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**172.88**	**.07046**	**.21179**	**.46777**	**.01408**	**-.04613**	**72.517**	**.00260**	**.10664**
Stddev	.00014	1.16	.00095	.00018	.00152	.00002	.00158	.283	.00021	.00024
%RSD	11.156	.67019	1.3485	.08682	.32516	.10949	3.4254	.39040	8.2322	.22811
#1	-.00114	173.70	.07113	.21192	.46885	.01409	-.04501	72.717	.00245	.10681
#2	-.00133	172.06	.06979	.21166	.46670	.01407	-.04725	72.317	.00275	.10647
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35560**	**.21752**	**317.41**	**35.113**	**.23291**	**87.631**	**3.3780**	**.00243**	**4.7295**	**.35402**
Stddev	.00033	.00068	.35	.116	.00181	.040	.0063	.00027	.0190	.00210
%RSD	.09220	.31433	.10985	.33056	.77750	.04548	.18505	11.148	.40206	.59223
#1	.35583	.21704	317.16	35.196	.23419	87.602	3.3824	.00224	4.7429	.35550
#2	.35536	.21801	317.66	35.031	.23163	87.659	3.3736	.00262	4.7160	.35254
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.6601**	**.06478**	**.31704**	**.00254**	**.00116**	**3.1776**	**6.8000**	**.01347**	**.72135**	**.09569**
Stddev	.0089	.00124	.00033	.00022	.00094	.0330	.0707	.00100	.00220	.00069
%RSD	.33587	1.9075	.10548	8.6780	81.319	1.0392	1.0392	7.4416	.30431	.72028
#1	2.6664	.06566	.31681	.00239	.00182	3.2009	6.8500	.01276	.72290	.09617
#2	2.6538	.06391	.31728	.00270	.00049	3.1542	6.7500	.01418	.71979	.09520
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.84846**	**-.00744**	F **-.39803**	**.38131**	**.36101**	**.05430**
Stddev	.00106	.00123	.01739	.00059	.00004	.00083
%RSD	.12443	16.509	4.3701	.15475	.01047	1.5248
#1	.84771	-.00831	-.38574	.38173	.36099	.05372
#2	.84921	-.00657	-.41033	.38089	.36104	.05489
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7354.2**	**81185.**	**6916.6**
Stddev	4.7	392.	15.1
%RSD	.06385	.48301	.21887
#1	7357.5	80908.	6905.9
#2	7350.9	81463.	6927.3

Sample Name: 280-49082-a-1-aSD@5 Acquired: 11/15/2013 3:53:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**37.148**	**.01272**	**.04799**	**.10107**	**.00300**	**-.00662**	**15.796**	**.00050**	**.02415**
Stddev	.00051	.043	.00253	.00063	.00018	.00002	.00010	.007	.00005	.00018
%RSD	39.067	.11536	19.924	1.3229	.17661	.83005	1.5742	.04450	9.6980	.73640
#1	-.00094	37.178	.01093	.04844	.10120	.00299	-.00655	15.791	.00054	.02402
#2	-.00167	37.118	.01451	.04754	.10095	.00302	-.00670	15.801	.00047	.02427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07866**	**.04503**	**70.501**	**7.4829**	**.04892**	**19.419**	**.75917**	**.00043**	**1.1099**	**.07982**
Stddev	.00015	.00023	.635	.0408	.00094	.025	.00109	.00052	.0140	.00006
%RSD	.19104	.50525	.90124	.54494	1.9185	.12901	.14298	121.95	1.2644	.07165
#1	.07877	.04519	70.951	7.4541	.04826	19.436	.75994	.00006	1.1198	.07986
#2	.07856	.04487	70.052	7.5117	.04959	19.401	.75841	.00080	1.1000	.07978
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.58056**	**.01560**	**.07900**	**.00444**	**.00129**	**.67205**	**1.4382**	**.00520**	**.15549**	**.02421**
Stddev	.00134	.00080	.00234	.00194	.00144	.01702	.0364	.00041	.00018	.00011
%RSD	.23110	5.0982	2.9613	43.830	111.50	2.5328	2.5328	7.8719	.11859	.45388
#1	.57962	.01616	.07735	.00581	.00231	.68408	1.4639	.00549	.15562	.02428
#2	.58151	.01503	.08066	.00306	.00027	.66001	1.4124	.00491	.15536	.02413
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18439**	**-.00138**	W **-.07030**	**.08328**	**.09115**	**.00977**
Stddev	.00057	.00051	.07284	.00102	.00004	.00066
%RSD	.30727	36.998	103.62	1.2240	.04545	6.7391
#1	.18479	-.00174	-.12181	.08400	.09118	.01024
#2	.18399	-.00102	-.01879	.08256	.09112	.00931
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7074.5**	**77238.**	**6410.0**
Stddev	22.7	131.	37.0
%RSD	.32144	.16944	.57707
#1	7058.5	77331.	6436.2
#2	7090.6	77145.	6383.9

Sample Name: 280-49082-a-1-b ms Acquired: 11/15/2013 3:56:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04879**	**382.45**	**1.0004**	**1.1808**	**2.4613**	**.05879**	F **1.8318**	**96.783**	**.08846**	**.53084**
Stddev	.00013	2.23	.0006	.0022	.0187	.00044	.0062	.420	.00004	.00133
%RSD	.26093	.58359	.06115	.18791	.76064	.74093	.33746	.43350	.04175	.24963
#1	.04888	380.87	1.0000	1.1793	2.4480	.05848	1.8274	96.487	.08843	.52990
#2	.04870	384.02	1.0009	1.1824	2.4745	.05910	1.8361	97.080	.08848	.53178
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.74190**	**.38125**	**384.26**	W **118.65**	**1.3158**	**146.34**	**3.3398**	**.81150**	**51.611**	**.85559**
Stddev	.00111	.00007	2.78	.63	.0072	2.68	.0260	.00223	.304	.00239
%RSD	.15020	.01876	.72237	.53054	.54546	1.8300	.77827	.27437	.58895	.27916
#1	.74111	.38120	382.30	118.21	1.3108	144.45	3.3214	.80993	51.396	.85390
#2	.74269	.38130	386.22	119.10	1.3209	148.23	3.3582	.81307	51.826	.85728
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.185**	**.46229**	**.32597**	**.09691**	**1.7931**	**6.2325**	**13.337**	**1.6633**	**1.6966**	**1.0395**
Stddev	.023	.00065	.00216	.00064	.0112	.0330	.071	.0037	.0136	.0013
%RSD	.18969	.14036	.66341	.66449	.62451	.52881	.52881	.22064	.80306	.12923
#1	12.169	.46183	.32444	.09646	1.7852	6.2092	13.288	1.6607	1.6870	1.0385
#2	12.202	.46275	.32750	.09737	1.8010	6.2558	13.387	1.6659	1.7063	1.0404
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9833**	**1.5164**	**2.4702**	**1.0334**	**.93341**	**.44687**
Stddev	.0066	.0001	.0155	.0051	.00703	.00245
%RSD	.33379	.00856	.62560	.48984	.75274	.54813
#1	1.9786	1.5163	2.4812	1.0298	.92844	.44514
#2	1.9879	1.5165	2.4593	1.0370	.93838	.44861
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7211.5**	**78252.**	**7006.3**
Stddev	5.1	435.	61.5
%RSD	.07114	.55633	.87744
#1	7215.1	78559.	6962.8
#2	7207.9	77944.	7049.7

Sample Name: 280-49082-a-1-c msd Acquired: 11/15/2013 3:58:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04712**	**335.18**	**.95829**	**1.1124**	**2.3783**	**.05647**	F **1.7688**	**79.108**	**.08523**	**.50016**
Stddev	.00017	2.14	.00201	.0005	.0190	.00056	.0004	.513	.00003	.00003
%RSD	.36181	.63881	.21025	.04610	.79967	.99529	.02088	.64824	.03887	.00501
#1	.04700	336.70	.95687	1.1121	2.3917	.05687	1.7685	79.471	.08521	.50018
#2	.04724	333.67	.95972	1.1128	2.3648	.05607	1.7690	78.745	.08526	.50014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.64912**	**.33489**	**332.85**	W **109.05**	**1.2629**	**124.39**	**2.4376**	**.79543**	**51.016**	**.77621**
Stddev	.00080	.00064	2.18	.64	.0104	.37	.0290	.00027	.514	.00023
%RSD	.12302	.19036	.65558	.58273	.82353	.29677	1.1878	.03453	1.0073	.02953
#1	.64968	.33444	334.39	109.49	1.2703	124.13	2.4171	.79563	50.652	.77605
#2	.64855	.33534	331.31	108.60	1.2556	124.65	2.4581	.79524	51.379	.77637
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				100.00						
Low Limit				-.50000						

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.350**	**.44239**	**.26374**	**.10307**	**1.7303**	**6.3832**	**13.660**	**1.6160**	**1.5828**	**.98969**
Stddev	.002	.00125	.00015	.00336	.0109	.0010	.002	.0035	.0136	.00557
%RSD	.01521	.28362	.05602	3.2640	.62779	.01640	.01640	.21572	.85674	.56262
#1	11.349	.44150	.26363	.10069	1.7226	6.3824	13.658	1.6135	1.5924	.98576
#2	11.351	.44328	.26384	.10545	1.7380	6.3839	13.662	1.6184	1.5732	.99363
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8207**	**1.4869**	**2.5352**	**.92890**	**.85274**	**.45189**
Stddev	.0021	.0014	.0513	.00186	.00223	.00372
%RSD	.11388	.09268	2.0227	.19986	.26132	.82265
#1	1.8193	1.4860	2.4989	.92759	.85117	.45452
#2	1.8222	1.4879	2.5715	.93021	.85432	.44926
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7281.7**	**78663.**	**6871.3**
Stddev	17.4	25.	5.8
%RSD	.23953	.03155	.08384
#1	7269.4	78680.	6867.2
#2	7294.0	78645.	6875.3

Sample Name: 280-49082-a-2-a Acquired: 11/15/2013 4:00:38 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00007**	**122.03**	**.06322**	**.13000**	**.68922**	**.00895**	**-.02995**	**88.655**	**.00209**	**.08209**
Stddev	.00087	.13	.00545	.00034	.00144	.00002	.00026	.015	.00004	.00052
%RSD	1270.0	.10379	8.6222	.26492	.20843	.22848	.88096	.01680	2.0338	.63340
#1	-.00055	122.12	.05937	.13024	.68820	.00893	-.03014	88.665	.00206	.08246
#2	.00068	121.94	.06708	.12975	.69023	.00896	-.02977	88.644	.00212	.08172
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.23465**	**.33519**	**197.69**	**20.625**	**.15306**	**60.680**	**4.6612**	**.00221**	**7.5914**	**.21490**
Stddev	.00104	.00144	1.25	.114	.00123	.151	.0548	.00010	.0014	.00062
%RSD	.44390	.42935	.63125	.55163	.80320	.24832	1.1760	4.6153	.01915	.28745
#1	.23538	.33417	196.81	20.705	.15219	60.574	4.6225	.00229	7.5925	.21534
#2	.23391	.33621	198.58	20.544	.15393	60.787	4.7000	.00214	7.5904	.21446
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5786**	**.05541**	**4.1460**	**.00031**	**.00198**	**2.7355**	**5.8540**	**.01048**	**.67609**	**.06724**
Stddev	.0099	.00075	.0290	.00073	.00148	.0167	.0357	.00014	.00111	.00061
%RSD	.62779	1.3597	.69886	232.38	74.381	.61042	.61042	1.3789	.16410	.90776
#1	1.5856	.05595	4.1664	.00083	.00303	2.7473	5.8793	.01038	.67530	.06681
#2	1.5716	.05488	4.1255	-.00020	.00094	2.7237	5.8287	.01059	.67687	.06767
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.62932**	**-.00415**	F **-.28238**	**.28339**	**.23408**	**.04860**
Stddev	.00023	.00039	.02490	.00165	.00189	.00003
%RSD	.03625	9.3861	8.8172	.58386	.80871	.06910
#1	.62916	-.00442	-.26478	.28222	.23541	.04858
#2	.62948	-.00387	-.29999	.28456	.23274	.04863
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7287.3**	**79956.**	**6758.5**
Stddev	.5	182.	2.7
%RSD	.00754	.22805	.03963
#1	7287.7	79827.	6760.4
#2	7287.0	80085.	6756.6

Sample Name: 280-49082-a-3-a Acquired: 11/15/2013 4:02:56 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00160**	**154.33**	**.05228**	**.19912**	**.37753**	**.01334**	**-.03336**	**22.015**	**.00205**	**.08387**
Stddev	.00055	1.38	.00253	.00040	.00321	.00003	.00390	.198	.00011	.00052
%RSD	34.471	.89702	4.8347	.20200	.85078	.24405	11.699	.89804	5.4807	.62354
#1	-.00200	153.35	.05407	.19884	.37525	.01336	-.03060	21.875	.00197	.08424
#2	-.00121	155.31	.05050	.19941	.37980	.01332	-.03611	22.155	.00213	.08350
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.39305**	**.11811**	**266.52**	**29.844**	**.22464**	**53.736**	**1.1418**	**.00349**	**8.1784**	**.35064**
Stddev	.00024	.00075	2.42	.314	.00328	.056	.0004	.00046	.0412	.00113
%RSD	.06149	.63251	.90689	1.0519	1.4613	.10381	.03030	13.109	.50324	.32267
#1	.39322	.11864	264.81	29.622	.22232	53.697	1.1421	.00316	8.1493	.35144
#2	.39288	.11758	268.23	30.066	.22696	53.776	1.1416	.00381	8.2075	.34984
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.0234**	**.05398**	**2.2451**	**-.00002**	**.00096**	**2.6917**	**5.7603**	**.01434**	**.52813**	**.09514**
Stddev	.0003	.00045	.0004	.00087	.00000	.0116	.0248	.00007	.00436	.00160
%RSD	.01394	.83511	.01650	5252.2	.49750	.43097	.43097	.45979	.82573	1.6801
#1	2.0232	.05366	2.2448	-.00063	.00095	2.6835	5.7427	.01438	.52505	.09627
#2	2.0236	.05430	2.2453	.00060	.00096	2.6999	5.7778	.01429	.53122	.09401
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54954**	**-.00623**	F **-.30721**	**.36323**	**.31069**	**.04917**
Stddev	.00145	.00234	.00614	.00111	.00106	.00219
%RSD	.26331	37.586	1.9973	.30472	.33960	4.4551
#1	.55056	-.00788	-.30287	.36245	.31143	.04762
#2	.54852	-.00457	-.31155	.36402	.30994	.05072
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7362.6**	**81061.**	**6830.1**
Stddev	57.1	63.	44.0
%RSD	.77612	.07832	.64357
#1	7322.2	81016.	6861.2
#2	7403.0	81106.	6799.0

Sample Name: 280-49082-a-4-a Acquired: 11/15/2013 4:05:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00126**	**142.35**	**.06810**	**.15229**	**.75718**	**.01046**	**-.03028**	**155.43**	**.00421**	**.10363**
Stddev	.00045	.09	.00199	.00071	.00056	.00004	.00172	.14	.00025	.00016
%RSD	35.883	.06649	2.9151	.46462	.07335	.39717	5.6793	.09270	5.9094	.15653
#1	-.00094	142.42	.06950	.15279	.75679	.01043	-.02907	155.33	.00439	.10375
#2	-.00158	142.29	.06670	.15179	.75757	.01049	-.03150	155.53	.00404	.10352
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43733**	**.55382**	**230.79**	**28.499**	**.19648**	**84.295**	**4.6642**	**.00331**	**4.5899**	**.29987**
Stddev	.00109	.00462	1.13	.019	.00213	.103	.0726	.00031	.0005	.00235
%RSD	.24852	.83470	.48845	.06551	1.0863	.12214	1.5560	9.4676	.01185	.78454
#1	.43810	.55055	229.99	28.512	.19497	84.223	4.7155	.00353	4.5903	.30153
#2	.43656	.55709	231.59	28.486	.19798	84.368	4.6129	.00309	4.5896	.29820
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3992**	**.12541**	**7.9511**	**.00169**	**.00496**	**3.6639**	**7.8407**	**.01338**	**.84106**	**.07395**
Stddev	.0180	.00240	.0218	.00201	.00073	.0231	.0493	.00043	.00034	.00534
%RSD	.75041	1.9175	.27406	119.39	14.696	.62908	.62908	3.1921	.04076	7.2163
#1	2.4119	.12711	7.9665	.00311	.00444	3.6476	7.8058	.01368	.84081	.07772
#2	2.3864	.12371	7.9357	.00026	.00547	3.6802	7.8756	.01308	.84130	.07017
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.55995**	**-.00390**	F **-.28348**	**.33973**	**.73289**	**.06706**
Stddev	.00022	.00014	.04463	.00376	.00156	.00100
%RSD	.03998	3.6376	15.744	1.1055	.21330	1.4955
#1	.55979	-.00380	-.31504	.33707	.73179	.06635
#2	.56011	-.00400	-.25192	.34238	.73400	.06777
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7304.8**	**79995.**	**6976.4**
Stddev	23.3	10.	43.3
%RSD	.31946	.01285	.62116
#1	7288.3	79987.	7007.1
#2	7321.3	80002.	6945.8

Sample Name: 280-49082-a-5-a Acquired: 11/15/2013 4:07:27 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00226**	**136.48**	**.03206**	**.19579**	**.25950**	**.01137**	**-.01709**	**16.854**	**.00165**	**.06424**
Stddev	.00048	.40	.00019	.00044	.00112	.00000	.00035	.073	.00006	.00031
%RSD	21.120	.29454	.59689	.22359	.43255	.03481	2.0589	.43205	3.4090	.48796
#1	-.00259	136.19	.03193	.19610	.25870	.01137	-.01685	16.803	.00169	.06447
#2	-.00192	136.76	.03220	.19548	.26029	.01137	-.01734	16.906	.00161	.06402
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26149**	**.05217**	**168.37**	**31.487**	**.18115**	**43.440**	**.61394**	**.00138**	**3.7581**	**.23657**
Stddev	.00147	.00004	.32	.030	.00047	.074	.00065	.00001	.0243	.00080
%RSD	.56354	.07533	.18748	.09626	.25936	.17132	.10621	.98281	.64656	.33655
#1	.26045	.05220	168.14	31.465	.18148	43.493	.61440	.00137	3.7410	.23714
#2	.26254	.05214	168.59	31.508	.18081	43.387	.61348	.00139	3.7753	.23601
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7014**	**.04325**	**.18199**	**.00045**	**-.00034**	**2.8919**	**6.1887**	**.00972**	**.57371**	**.08114**
Stddev	.0031	.00098	.00112	.00128	.00057	.0040	.0085	.00001	.00207	.00179
%RSD	.17909	2.2623	.61781	283.47	167.52	.13721	.13721	.13329	.36143	2.2010
#1	1.7035	.04394	.18278	-.00045	-.00075	2.8947	6.1947	.00973	.57225	.08240
#2	1.6992	.04255	.18119	.00135	.00006	2.8891	6.1827	.00971	.57518	.07987
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.32539**	**-.00371**	F **-.22120**	**.28902**	**.23633**	**.04410**
Stddev	.00023	.00040	.02596	.00082	.00015	.00067
%RSD	.07027	10.812	11.736	.28411	.06328	1.5232
#1	.32523	-.00400	-.23956	.28960	.23644	.04458
#2	.32555	-.00343	-.20285	.28844	.23622	.04363
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**9790.5**	**107050.**	**9107.9**
Stddev	5.8	310.	5.5
%RSD	.05905	.28956	.06043
#1	9786.4	106830.	9111.8
#2	9794.6	107270.	9104.0

Sample Name: CCVH-2372891 Acquired: 11/15/2013 4:09:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00821**	**48.709**	**-.00028**	**.00264**	**.00106**	**-.00005**	W **1.0762**	**.02690**	**.00076**	**-.00112**	**.00024**	**-.00759**
Stddev	.00018	.053	.00152	.00057	.00020	.00002	.0008	.00105	.00006	.00029	.00011	.00008
%RSD	2.1706	.10862	537.32	21.786	18.921	41.642	.07632	3.8994	8.1176	25.903	44.008	1.0814
#1	-.00833	48.672	-.00136	.00304	.00120	-.00003	1.0767	.02616	.00081	-.00091	.00032	-.00753
#2	-.00808	48.746	.00079	.00223	.00092	-.00006	1.0756	.02764	.00072	-.00132	.00017	-.00764
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**51.336**	**.11505**	**.00235**	**.05771**	**.00006**	**.00044**	**257.67**	**-.00075**	**.00424**	**-.00209**	**5.0761**	**.00211**
Stddev	.577	.04953	.00013	.00073	.00001	.00007	.64	.00012	.00101	.00050	.0035	.00179
%RSD	1.1244	43.053	5.5562	1.2588	20.361	16.811	.24843	15.690	23.860	23.930	.06894	84.545
#1	51.744	.08002	.00226	.05822	.00006	.00039	257.22	-.00067	.00353	-.00245	5.0785	.00338
#2	50.928	.15007	.00244	.05719	.00005	.00050	258.12	-.00084	.00496	-.00174	5.0736	.00085
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00470**	**.00709**	**.01518**	**-.00003**	**.00018**	**5.1736**	**.01401**	**.00310**	F **8.3757**	**.00102**	**.00303**	**-.08224**
Stddev	.00654	.00250	.00535	.00010	.00001	.0095	.00022	.00030	.0166	.00057	.00007	.00386
%RSD	139.30	35.219	35.219	346.98	3.8939	.18334	1.5473	9.7829	.19783	55.832	2.3067	4.6879
#1	-.00933	.00533	.01140	.00004	.00018	5.1669	.01385	.00331	8.3874	.00062	.00308	-.07951
#2	-.00007	.00886	.01896	-.00010	.00017	5.1803	.01416	.00289	8.3640	.00143	.00298	-.08496
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6885.0**	**75520.**	**6150.3**
Stddev	11.4	118.	30.3
%RSD	.16617	.15681	.49248
#1	6893.0	75436.	6128.9
#2	6876.9	75604.	6171.7

Sample Name: CCV-2372889 Acquired: 11/15/2013 4:12:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55594	F .55610	1.0570	.53156	.51067	.47031	-.00787	4.7193	.48584	.50745	.54249	.50810	2.6313
Stddev	.00161	.00013	.0021	.00176	.00106	.00083	.00376	.0237	.00062	.00101	.00177	.00048	.0047
%RSD	.29029	.02343	.20033	.33140	.20709	.17637	47.745	.50123	.12724	.19871	.32641	.09357	.17824
#1	.55708	.55601	1.0585	.53032	.51141	.47089	-.00522	4.7360	.48627	.50816	.54374	.50844	2.6280
#2	.55480	.55619	1.0555	.53281	.50992	.46972	-.01053	4.7026	.48540	.50673	.54123	.50777	2.6346
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000											
Range	10.490%	10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	49.320	1.0143	21.366	.50896	.53080	5.2411	.54799	1.0596	.97396	.00386	1.0263	1.0769	5.1410
Stddev	.140	.0005	.007	.00054	.00154	.0165	.00153	.0053	.00114	.00151	.0070	.0121	.0148
%RSD	.28358	.05361	.03506	.10643	.28984	.31510	.27997	.49585	.11681	39.053	.68725	1.1286	.28869
#1	49.419	1.0139	21.361	.50934	.53189	5.2528	.54908	1.0633	.97477	.00280	1.0313	1.0854	5.1515
#2	49.221	1.0146	21.371	.50858	.52971	5.2294	.54691	1.0559	.97316	.00493	1.0213	1.0683	5.1305
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.002	1.0600	.49499	.00457	.51766	1.0097	-.02001	.49165	.53972	.49343
Stddev	.032	.0112	.00137	.00261	.00134	.0054	.00474	.00071	.00475	.00367
%RSD	.28869	1.0523	.27703	57.120	.25796	.53782	23.707	.14503	.88050	.74326
#1	11.024	1.0679	.49595	.00642	.51671	1.0135	-.01665	.49114	.53636	.49602
#2	10.979	1.0521	.49402	.00272	.51860	1.0058	-.02336	.49215	.54308	.49083
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6919.6	76176.	6147.6
Stddev	9.5	343.	15.5
%RSD	.13699	.44967	.25143
#1	6912.9	76418.	6158.5
#2	6926.3	75933.	6136.6

Sample Name: CCB Acquired: 11/15/2013 4:14:07 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00092**	**.00203**	**-.00199**	**.00160**	**.00049**	**.00011**	**.00025**	**-.00117**	**-.00009**	**-.00023**	**-.00008**	**-.00106**
Stddev	.00045	.00024	.00552	.00003	.00021	.00003	.00106	.00075	.00010	.00007	.00005	.00003
%RSD	49.349	11.721	277.98	1.9986	41.743	25.784	431.99	64.506	110.63	31.893	69.884	2.9286
#1	-.00060	.00220	-.00589	.00158	.00035	.00009	.00100	-.00170	-.00016	-.00018	-.00004	-.00108
#2	-.00123	.00186	.00192	.00162	.00064	.00013	-.00050	-.00063	-.00002	-.00029	-.00011	-.00103
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00274**	**.13416**	**.00051**	**.00189**	**.00014**	**.00017**	W **.11809**	**-.00015**	**-.00008**	**.00054**	**.00548**	W **.00583**
Stddev	.00179	.01975	.00141	.00011	.00002	.00001	.00717	.00029	.00006	.00073	.00003	.00056
%RSD	65.199	14.723	274.34	5.7079	14.161	3.7316	6.0687	197.47	78.061	136.09	.57688	9.6144
#1	.00400	.12019	-.00048	.00197	.00015	.00017	.11302	.00006	-.00004	.00105	.00546	.00543
#2	.00148	.14812	.00151	.00182	.00013	.00017	.12316	-.00036	-.00013	.00002	.00550	.00622
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00287**	**.01019**	**.02180**	**-.00050**	**-.00005**	**.00266**	**.00002**	**.00134**	**-.02132**	**.00014**	**.00340**	**-.00026**
Stddev	.00007	.00321	.00687	.00004	.00003	.00075	.00004	.00005	.02227	.00061	.00069	.00291
%RSD	2.4995	31.508	31.508	7.5466	62.568	28.168	194.67	3.9044	104.47	442.30	20.408	1123.5
#1	.00292	.01246	.02666	-.00048	-.00003	.00319	.00005	.00131	-.00557	.00057	.00389	-.00232
#2	.00282	.00792	.01695	-.00053	-.00008	.00213	-.00001	.00138	-.03706	-.00029	.00291	.00180
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6915.7**	**76962.**	**6071.1**
Stddev	5.8	148.	107.4
%RSD	.08438	.19165	1.7683
#1	6919.8	76857.	5995.2
#2	6911.6	77066.	6147.0

Sample Name: CCVL2379751 Acquired: 11/15/2013 4:16:25 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00997**	**.11458**	**.01305**	**.10718**	**.01078**	**.00098**	**.11803**	**.18585**	**.00479**	**.01030**	**.01074**	**.01414**	**.10837**
Stddev	.00000	.00029	.00035	.00041	.00009	.00004	.00235	.00430	.00016	.00011	.00004	.00022	.00254
%RSD	.03272	.25349	2.6716	.38389	.79781	3.6629	1.9931	2.3161	3.3306	1.1026	.35554	1.5732	2.3420
#1	.00997	.11438	.01281	.10689	.01072	.00100	.11637	.18281	.00490	.01022	.01077	.01398	.11017
#2	.00998	.11479	.01330	.10747	.01084	.00095	.11970	.18889	.00467	.01038	.01071	.01430	.10658
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.9994**	**.01092**	**.22072**	**.01041**	**.02053**	**1.1158**	**.04513**	**3.1142**	**.00870**	**.00349**	**.01228**	**.01532**	**.50423**
Stddev	.0263	.00311	.00188	.00000	.00033	.0060	.00006	.0167	.00037	.00262	.00019	.00078	.01231
%RSD	.87619	28.531	.85378	.00023	1.6049	.53304	.13366	.53493	4.2713	75.118	1.5395	5.1076	2.4412
#1	3.0180	.00871	.22205	.01041	.02030	1.1200	.04509	3.1025	.00843	.00164	.01215	.01477	.49553
#2	2.9808	.01312	.21939	.01041	.02076	1.1116	.04518	3.1260	.00896	.00534	.01242	.01587	.51294
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0791**	**.10780**	**.00981**	**.01655**	**.01048**	**.01667**	F **.10284**	**.00990**	F **.02625**	**.01526**
Stddev	.0263	.00062	.00021	.00164	.00030	.00086	.01854	.00016	.00095	.00189
%RSD	2.4412	.57347	2.1269	9.9312	2.8823	5.1599	18.028	1.5825	3.6187	12.361
#1	1.0604	.10824	.00966	.01772	.01027	.01728	.08973	.01001	.02558	.01660
#2	1.0977	.10737	.00995	.01539	.01070	.01606	.11595	.00979	.02692	.01393
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Fail	Chk Pass
Value							.06000		.02000	
Range							30.000%		30.000%	

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7119.8**	**78885.**	**6255.1**
Stddev	4.5	102.	9.5
%RSD	.06365	.12891	.15171
#1	7116.6	78957.	6248.3
#2	7123.0	78813.	6261.8

Sample Name: 280-49082-a-6-a Acquired: 11/15/2013 4:18:46 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00349**	**175.27**	**.08576**	**.24534**	**.37005**	**.01391**	**-.03765**	**104.26**	**.00239**	**.10640**
Stddev	.00002	.52	.00012	.00035	.00030	.00003	.00123	.21	.00027	.00069
%RSD	.60108	.29597	.13961	.14198	.08142	.24849	3.2582	.20529	11.323	.65035
#1	-.00348	174.90	.08568	.24509	.36984	.01388	-.03852	104.11	.00258	.10591
#2	-.00351	175.64	.08585	.24558	.37026	.01393	-.03678	104.41	.00220	.10689
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.35230**	**.04051**	**276.04**	**38.850**	**.22095**	**72.445**	**2.2761**	**.00198**	**3.2627**	**.34397**
Stddev	.00050	.00044	.14	.219	.00158	.273	.0098	.00001	.0173	.00079
%RSD	.14241	1.0792	.04967	.56471	.71526	.37739	.43086	.30872	.53041	.22917
#1	.35195	.04020	275.94	38.695	.22207	72.251	2.2692	.00198	3.2750	.34342
#2	.35266	.04082	276.13	39.005	.21983	72.638	2.2831	.00198	3.2505	.34453
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3592**	**.06858**	**.24586**	**.00265**	**.00573**	**3.4652**	**7.4154**	**.01398**	**.80624**	**.09316**
Stddev	.0070	.00083	.00004	.00121	.00518	.0070	.0151	.00009	.00276	.00103
%RSD	.29743	1.2057	.01748	45.538	90.443	.20342	.20342	.63296	.34246	1.1093
#1	2.3543	.06800	.24583	.00350	.00939	3.4701	7.4261	.01404	.80429	.09243
#2	2.3642	.06917	.24589	.00180	.00206	3.4602	7.4048	.01392	.80820	.09389
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.65106**	**-.00822**	F **-.51332**	**.41217**	**.33548**	**.04970**
Stddev	.00318	.00008	.01081	.00370	.00025	.00059
%RSD	.48774	.95268	2.1059	.89767	.07495	1.1916
#1	.64881	-.00816	-.50568	.40955	.33530	.05012
#2	.65330	-.00827	-.52097	.41478	.33566	.04928
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7272.9**	**80262.**	**6929.4**
Stddev	10.4	485.	41.7
%RSD	.14341	.60458	.60216
#1	7265.6	80605.	6899.9
#2	7280.3	79919.	6958.9

Sample Name: 280-49082-a-7-d Acquired: 11/15/2013 4:21:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00309**	**170.13**	**.07873**	**.24639**	**.33574**	**.01385**	W **-.05313**	**15.092**	**.00261**	**.10168**
Stddev	.00079	.99	.00127	.00046	.00027	.00003	.00065	.106	.00001	.00101
%RSD	25.566	.58357	1.6180	.18513	.08099	.23469	1.2248	.70449	.53233	.99710
#1	-.00365	170.83	.07783	.24671	.33593	.01387	-.05359	15.167	.00262	.10239
#2	-.00254	169.42	.07963	.24607	.33555	.01382	-.05267	15.016	.00260	.10096
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.43079**	**.05648**	**388.27**	**31.121**	**.27656**	**49.391**	**1.1741**	**.00433**	**4.8440**	**.33110**
Stddev	.00001	.00005	.98	.035	.00259	.085	.0021	.00006	.0418	.00114
%RSD	.00293	.08522	.25288	.11200	.93720	.17246	.17845	1.2772	.86333	.34418
#1	.43078	.05644	388.96	31.146	.27473	49.451	1.1756	.00437	4.8735	.33190
#2	.43080	.05651	387.58	31.096	.27839	49.330	1.1726	.00429	4.8144	.33029
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7111**	**.06824**	**.21169**	**.00426**	**-.00079**	**3.2924**	**7.0457**	**.01608**	**.63435**	**.10610**
Stddev	.0141	.00187	.00060	.00093	.00128	.0012	.0026	.00070	.00192	.00277
%RSD	.82435	2.7352	.28488	21.756	162.15	.03619	.03619	4.3478	.30243	2.6150
#1	1.7211	.06956	.21212	.00361	.00012	3.2932	7.0475	.01658	.63571	.10414
#2	1.7011	.06692	.21127	.00492	-.00170	3.2916	7.0439	.01559	.63299	.10807
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.87105**	**-.00987**	F **-.40973**	**.49389**	**.33073**	**.07000**
Stddev	.00232	.00052	.02788	.00326	.00041	.00023
%RSD	.26578	5.2411	6.8036	.66007	.12393	.33098
#1	.87269	-.01023	-.42944	.49620	.33044	.06984
#2	.86941	-.00950	-.39001	.49159	.33102	.07017
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7466.4**	**82116.**	**6912.8**
Stddev	9.3	62.	24.2
%RSD	.12435	.07497	.35047
#1	7473.0	82073.	6895.7
#2	7459.8	82160.	6929.9

Sample Name: 280-49082-a-8-a Acquired: 11/15/2013 4:23:20 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00037**	**114.10**	**.05252**	**.10613**	**.66764**	**.00713**	**-.02807**	**277.00**	**.00652**	**.06474**
Stddev	.00014	.01	.00018	.00090	.00118	.00012	.00196	.77	.00017	.00049
%RSD	37.629	.00577	.33329	.84930	.17640	1.7239	6.9917	.27827	2.6026	.76207
#1	-.00047	114.10	.05239	.10549	.66680	.00721	-.02668	277.54	.00640	.06439
#2	-.00027	114.11	.05264	.10677	.66847	.00704	-.02946	276.45	.00664	.06509
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.36591**	**.31842**	**167.96**	**50.400**	**.14699**	**56.416**	**3.5990**	**.00240**	**4.1783**	**.19011**
Stddev	.00177	.00052	.32	.062	.00129	.036	.0207	.00008	.0010	.00140
%RSD	.48306	.16380	.18863	.12309	.87862	.06366	.57541	3.1957	.02347	.73718
#1	.36466	.31805	168.18	50.356	.14790	56.390	3.6136	.00234	4.1790	.18911
#2	.36716	.31879	167.73	50.444	.14608	56.441	3.5844	.00245	4.1776	.19110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.3024**	**.14024**	**16.022**	**-.00012**	**.00827**	**3.3304**	**7.1270**	**.01153**	**1.5126**	**.04757**
Stddev	.0143	.00093	.043	.00015	.00029	.0909	.1946	.00118	.0007	.00025
%RSD	.62211	.66295	.27032	130.30	3.5328	2.7300	2.7300	10.275	.04914	.51724
#1	2.2923	.13958	15.991	-.00022	.00847	3.3947	7.2646	.01069	1.5131	.04740
#2	2.3125	.14090	16.052	-.00001	.00806	3.2661	6.9894	.01237	1.5121	.04774
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.69204**	**-.00174**	F **-.23107**	**.27610**	**.54301**	**.06669**
Stddev	.00428	.00010	.02663	.00057	.00150	.00093
%RSD	.61787	5.4695	11.526	.20478	.27540	1.4001
#1	.69506	-.00181	-.21224	.27570	.54407	.06735
#2	.68902	-.00167	-.24991	.27650	.54195	.06603
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7077.4**	**77440.**	**6746.6**
Stddev	4.2	124.	23.6
%RSD	.05865	.15982	.34936
#1	7074.4	77352.	6763.2
#2	7080.3	77528.	6729.9

Sample Name: 280-49082-a-9-a Acquired: 11/15/2013 4:25:45 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00228**	**85.136**	**.04953**	**.12924**	**.23113**	**.00923**	**-.02714**	**17.905**	**.00180**	**.09050**
Stddev	.00021	.222	.00205	.00006	.00086	.00002	.00133	.018	.00023	.00017
%RSD	9.4324	.26130	4.1402	.04593	.37354	.26383	4.9128	.09894	12.633	.19251
#1	-.00243	84.979	.04808	.12920	.23052	.00922	-.02809	17.892	.00196	.09062
#2	-.00213	85.294	.05098	.12929	.23174	.00925	-.02620	17.917	.00164	.09038
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28709**	**.05844**	**223.26**	**18.346**	**.17284**	**33.471**	**.63304**	**.00154**	**4.0096**	**.27713**
Stddev	.00026	.00040	.89	.116	.00288	.065	.00149	.00006	.0017	.00022
%RSD	.08901	.68968	.40002	.63150	1.6636	.19304	.23479	3.8681	.04315	.07839
#1	.28727	.05816	222.63	18.264	.17081	33.516	.63199	.00158	4.0108	.27728
#2	.28691	.05873	223.89	18.428	.17488	33.425	.63409	.00150	4.0084	.27697
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2099**	**.06528**	**1.2897**	**-.00101**	**.00053**	**1.6338**	**3.4963**	**.01359**	**.49468**	**.07799**
Stddev	.0079	.00048	.0042	.00046	.00207	.0177	.0379	.00021	.00138	.00131
%RSD	.65371	.73827	.32838	45.623	392.03	1.0831	1.0831	1.5660	.27827	1.6778
#1	1.2155	.06562	1.2927	-.00069	.00199	1.6213	3.4695	.01374	.49371	.07892
#2	1.2043	.06494	1.2868	-.00134	-.00093	1.6463	3.5231	.01344	.49566	.07707
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44991**	**-.00705**	F **-.33577**	**.30947**	**.26182**	**.04663**
Stddev	.00110	.00038	.00023	.00241	.00218	.00151
%RSD	.24477	5.3826	.06781	.78008	.83280	3.2395
#1	.44913	-.00732	-.33593	.30776	.26336	.04556
#2	.45069	-.00678	-.33561	.31118	.26028	.04770
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7534.9**	**83519.**	**7002.4**
Stddev	9.0	443.	9.8
%RSD	.11970	.53090	.14054
#1	7541.3	83205.	7009.4
#2	7528.6	83832.	6995.5

Sample Name: 280-49082-a-10-b Acquired: 11/15/2013 4:27:58 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00091**	**135.02**	**.06074**	**.06797**	**1.0924**	**.00824**	**-.03923**	**119.87**	**.00250**	**.08003**
Stddev	.00013	.42	.00266	.00008	.0026	.00000	.00094	.37	.00008	.00012
%RSD	14.476	.30898	4.3863	.11108	.23480	.01570	2.3981	.31005	3.0661	.15158
#1	-.00081	135.31	.06262	.06791	1.0942	.00824	-.03990	120.13	.00245	.08011
#2	-.00100	134.72	.05885	.06802	1.0905	.00824	-.03857	119.61	.00256	.07994
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25114**	**.15322**	**217.37**	**14.940**	**.14073**	**47.050**	**3.9150**	**.00156**	**1.0302**	**.18438**
Stddev	.00049	.00003	.62	.117	.00062	.188	.0391	.00021	.0052	.00021
%RSD	.19384	.01767	.28314	.78000	.43833	.39988	.99911	13.441	.50291	.11323
#1	.25148	.15320	217.81	15.023	.14029	47.183	3.8873	.00170	1.0265	.18452
#2	.25079	.15324	216.94	14.858	.14117	46.917	3.9426	.00141	1.0339	.18423
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.98420**	**.08997**	**1.9656**	**.00389**	**-.00004**	**3.1919**	**6.8306**	**.01247**	**.52610**	**.06274**
Stddev	.00200	.00051	.0009	.00156	.00097	.0265	.0566	.00003	.00093	.00302
%RSD	.20277	.57239	.04650	40.203	2252.5	.82855	.82855	.22119	.17642	4.8197
#1	.98561	.09034	1.9662	.00278	-.00073	3.1732	6.7906	.01245	.52676	.06487
#2	.98279	.08961	1.9650	.00500	.00064	3.2106	6.8707	.01249	.52545	.06060
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0837**	**-.00509**	F **-.25703**	**.33817**	**.29941**	**.08092**
Stddev	.0013	.00044	.03006	.00041	.00334	.00228
%RSD	.12088	8.5456	11.695	.12238	1.1162	2.8186
#1	1.0846	-.00540	-.27828	.33787	.30178	.08253
#2	1.0828	-.00478	-.23577	.33846	.29705	.07931
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7398.0**	**80851.**	**6829.9**
Stddev	.4	222.	33.4
%RSD	.00516	.27481	.48852
#1	7397.7	80694.	6853.5
#2	7398.2	81008.	6806.3

Sample Name: 280-49082-a-11-b Acquired: 11/15/2013 4:30:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00142**	**141.97**	**.07046**	**.19085**	**.63574**	**.01028**	W **-.05087**	**297.46**	**.00327**	**.10500**
Stddev	.00029	.51	.00037	.00093	.00327	.00019	.00276	.77	.00032	.00051
%RSD	20.706	.36096	.52360	.48473	.51488	1.8746	5.4265	.26008	9.8278	.48340
#1	-.00163	142.33	.07020	.19019	.63805	.01014	-.05283	296.91	.00350	.10464
#2	-.00121	141.60	.07072	.19150	.63342	.01041	-.04892	298.01	.00305	.10536
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31537**	**.06693**	**328.72**	**26.741**	**.22357**	**140.01**	**9.4177**	**.00110**	**3.5961**	**.29210**
Stddev	.00225	.00004	1.23	.136	.00163	.24	.0120	.00044	.0002	.00194
%RSD	.71390	.06521	.37328	.50836	.72812	.17313	.12695	39.624	.00479	.66536
#1	.31377	.06690	329.59	26.838	.22241	140.18	9.4092	.00141	3.5962	.29072
#2	.31696	.06696	327.85	26.645	.22472	139.84	9.4261	.00079	3.5959	.29347
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.9260**	**.07269**	**1.5498**	**.00444**	**.00382**	**2.8568**	**6.1135**	**.01369**	**.78434**	**.06913**
Stddev	.0114	.00018	.0091	.00050	.00549	.0244	.0522	.00019	.00438	.00273
%RSD	.59329	.24808	.58974	11.360	143.71	.85376	.85376	1.4194	.55813	3.9513
#1	1.9180	.07256	1.5433	.00480	.00770	2.8395	6.0766	.01355	.78743	.06720
#2	1.9341	.07282	1.5562	.00408	-.00006	2.8740	6.1504	.01383	.78124	.07106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.3994**	**-.00930**	F **-.29113**	**.35020**	**.39719**	**.05967**
Stddev	.0019	.00077	.00424	.00065	.00052	.00176
%RSD	.13416	8.2328	1.4548	.18537	.13157	2.9423
#1	1.4007	-.00984	-.28814	.35066	.39682	.05843
#2	1.3980	-.00876	-.29413	.34974	.39756	.06092
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7296.6**	**80464.**	**7028.3**
Stddev	8.9	159.	.8
%RSD	.12257	.19752	.01142
#1	7290.3	80351.	7028.9
#2	7303.0	80576.	7027.7

Sample Name: 280-49082-a-12-b Acquired: 11/15/2013 4:32:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00129**	**169.20**	**.11651**	**.19257**	**.50586**	**.01233**	W **-.06056**	**55.441**	**.00297**	**.15419**
Stddev	.00015	1.29	.00188	.00056	.00220	.00004	.00012	.335	.00022	.00009
%RSD	11.912	.76314	1.6177	.28857	.43420	.33319	.19818	.60378	7.5766	.05598
#1	-.00140	168.29	.11518	.19296	.50431	.01230	-.06048	55.205	.00313	.15413
#2	-.00118	170.11	.11785	.19217	.50742	.01235	-.06065	55.678	.00281	.15425
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.41105**	**.08875**	**391.86**	**36.550**	**.29370**	**84.751**	**2.5342**	**.00312**	**3.9541**	**.45189**
Stddev	.00069	.00053	1.77	.219	.00152	.089	.0594	.00036	.0238	.00054
%RSD	.16713	.59902	.45142	.59903	.51640	.10525	2.3418	11.418	.60118	.11864
#1	.41153	.08913	390.61	36.395	.29477	84.688	2.4923	.00337	3.9373	.45151
#2	.41056	.08838	393.11	36.704	.29263	84.814	2.5762	.00287	3.9709	.45227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **3.9753**	**.09416**	**1.4156**	**.00284**	**.00184**	**2.6511**	**5.6734**	**.01658**	**.62198**	**.10271**
Stddev	.0040	.00124	.0055	.00038	.00393	.0210	.0449	.00039	.00327	.00160
%RSD	.10050	1.3132	.38675	13.402	213.73	.79187	.79187	2.3683	.52532	1.5552
#1	3.9781	.09329	1.4194	.00257	.00462	2.6363	5.6416	.01630	.61967	.10384
#2	3.9724	.09504	1.4117	.00311	-.00094	2.6660	5.7051	.01685	.62429	.10158
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.5871**	W **-.01020**	F **-.35935**	**.39917**	**.61401**	**.06736**
Stddev	.0007	.00164	.00202	.00006	.00401	.00055
%RSD	.04412	16.112	.56251	.01608	.65300	.81238
#1	1.5876	-.01137	-.35792	.39913	.61117	.06698
#2	1.5866	-.00904	-.36078	.39922	.61684	.06775
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		5.0000	50.000			
Low Limit		-.01000	-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7463.2**	**82193.**	**7019.7**
Stddev	3.5	371.	21.3
%RSD	.04720	.45195	.30404
#1	7465.7	82456.	7034.8
#2	7460.7	81930.	7004.6

Sample Name: 280-49082-a-13-b Acquired: 11/15/2013 4:35:16 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00261**	**159.19**	**.05850**	**.20133**	**.48758**	**.01376**	**-.03337**	**30.982**	**.00215**	**.08188**
Stddev	.00012	.40	.00112	.00116	.00164	.00010	.00048	.024	.00011	.00041
%RSD	4.5145	.25275	1.9077	.57572	.33591	.75647	1.4425	.07745	4.9010	.49677
#1	-.00253	159.48	.05771	.20051	.48642	.01368	-.03371	30.999	.00223	.08159
#2	-.00270	158.91	.05929	.20215	.48874	.01383	-.03303	30.965	.00208	.08216
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.33270**	**.15913**	**278.48**	**34.789**	**.20888**	**55.368**	**1.3383**	**.00219**	**3.6863**	**.31413**
Stddev	.00132	.00064	.86	.048	.00343	.193	.0031	.00002	.0138	.00249
%RSD	.39656	.40139	.30884	.13657	1.6407	.34935	.22827	1.0794	.37435	.79363
#1	.33363	.15868	277.87	34.755	.20645	55.505	1.3405	.00221	3.6766	.31237
#2	.33176	.15959	279.09	34.822	.21130	55.231	1.3362	.00217	3.6961	.31589
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.1667**	**.05763**	**.26903**	**.00426**	**.00360**	**2.8617**	**6.1241**	**.01397**	**.72536**	**.09467**
Stddev	.0077	.00163	.00011	.00140	.00245	.0308	.0659	.00011	.00014	.00518
%RSD	.35496	2.8221	.04033	32.850	67.918	1.0758	1.0758	.82183	.01993	5.4664
#1	2.1612	.05648	.26911	.00327	.00187	2.8399	6.0775	.01405	.72526	.09833
#2	2.1721	.05878	.26895	.00525	.00533	2.8835	6.1706	.01388	.72546	.09101
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.44048**	**-.00624**	F **-.38772**	**.39368**	**.30396**	**.04802**
Stddev	.00096	.00136	.03185	.00110	.00254	.00046
%RSD	.21895	21.859	8.2153	.28035	.83663	.95770
#1	.44116	-.00528	-.41025	.39446	.30576	.04770
#2	.43979	-.00721	-.36520	.39290	.30216	.04835
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7460.7**	**82175.**	**6950.4**
Stddev	11.0	453.	12.3
%RSD	.14726	.55116	.17678
#1	7468.5	81854.	6941.7
#2	7453.0	82495.	6959.1

Sample Name: 280-49082-a-14-b Acquired: 11/15/2013 4:37:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00188**	**89.561**	**.02926**	**.04120**	**.42953**	**.00509**	**-.01817**	**8.9668**	**.00105**	**.04759**
Stddev	.00026	.045	.00076	.00021	.00160	.00011	.00122	.0057	.00007	.00015
%RSD	13.975	.05031	2.5903	.49766	.37339	2.0673	6.7351	.06408	6.4013	.32278
#1	-.00206	89.593	.02873	.04105	.42840	.00502	-.01730	8.9627	.00110	.04748
#2	-.00169	89.529	.02980	.04134	.43067	.00517	-.01903	8.9708	.00100	.04770
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.14111**	**.09061**	**115.25**	**10.502**	**.09033**	**21.475**	**1.2851**	**.00097**	**.94280**	**.10552**
Stddev	.00073	.00081	.46	.009	.00061	.061	.0014	.00004	.01881	.00009
%RSD	.51922	.89484	.39583	.08168	.67909	.28633	.10529	4.0879	1.9947	.08447
#1	.14059	.09004	114.92	10.508	.09076	21.431	1.2841	.00099	.95610	.10546
#2	.14163	.09118	115.57	10.496	.08989	21.518	1.2860	.00094	.92950	.10558
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.49652**	**.04786**	**.11491**	**.00049**	**-.00059**	**1.9520**	**4.1772**	**.00891**	**.16101**	**.04585**
Stddev	.00004	.00013	.00343	.00076	.00078	.0091	.0194	.00034	.00004	.00319
%RSD	.00762	.27254	2.9807	155.69	133.95	.46413	.46413	3.7959	.02692	6.9513
#1	.49649	.04795	.11249	.00102	-.00114	1.9456	4.1635	.00867	.16104	.04810
#2	.49655	.04777	.11733	-.00005	-.00003	1.9584	4.1909	.00915	.16098	.04360
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.53575**	**-.00200**	F **-.20110**	**.18159**	**.15831**	**.05722**
Stddev	.00084	.00092	.04949	.00007	.00031	.00029
%RSD	.15594	46.294	24.612	.03646	.19278	.50789
#1	.53516	-.00265	-.23610	.18164	.15810	.05742
#2	.53635	-.00134	-.16610	.18155	.15853	.05701
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7454.2**	**82356.**	**6782.0**
Stddev	4.8	244.	5.1
%RSD	.06409	.29609	.07463
#1	7450.8	82528.	6785.6
#2	7457.6	82184.	6778.4

Sample Name: 280-49082-a-15-b Acquired: 11/15/2013 4:39:49 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00241**	**98.251**	**.05866**	**.11681**	**.95672**	**.00922**	**-.03604**	**39.618**	**.00186**	**.14373**
Stddev	.00001	.467	.00020	.00010	.00400	.00005	.00010	.238	.00009	.00081
%RSD	.21579	.47519	.34427	.08947	.41798	.58719	.28705	.60146	5.0151	.56311
#1	-.00240	98.581	.05852	.11688	.95955	.00926	-.03611	39.786	.00193	.14430
#2	-.00241	97.921	.05880	.11673	.95389	.00918	-.03596	39.449	.00180	.14316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26680**	**.07966**	**208.67**	**20.157**	**.16724**	**41.902**	**5.8229**	**.00230**	**2.0163**	**.30477**
Stddev	.00181	.00092	1.40	.103	.00094	.045	.0347	.00021	.0077	.00240
%RSD	.67764	1.1568	.67207	.50908	.56062	.10751	.59609	8.9737	.38278	.78726
#1	.26808	.07901	209.66	20.229	.16791	41.870	5.7984	.00245	2.0109	.30647
#2	.26552	.08031	207.68	20.084	.16658	41.934	5.8475	.00215	2.0218	.30308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.2400**	**.07468**	**.20275**	**-.00072**	**.00011**	**2.3106**	**4.9446**	**.01159**	**.33785**	**.07780**
Stddev	.0120	.00076	.00011	.00169	.00076	.0055	.0117	.00055	.00226	.00139
%RSD	.96673	1.0234	.05536	234.12	706.26	.23572	.23572	4.7278	.66992	1.7906
#1	1.2485	.07522	.20283	-.00191	.00065	2.3067	4.9364	.01120	.33945	.07682
#2	1.2315	.07414	.20267	.00047	-.00043	2.3144	4.9529	.01198	.33625	.07879
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.82321**	**-.00611**	F **-.43087**	**.33091**	**.28330**	**.06727**
Stddev	.00021	.00032	.01416	.00079	.00082	.00322
%RSD	.02496	5.2186	3.2862	.23915	.28891	4.7855
#1	.82336	-.00589	-.42086	.33035	.28388	.06499
#2	.82307	-.00634	-.44088	.33147	.28272	.06955
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7490.5**	**82846.**	**6946.2**
Stddev	15.9	49.	59.6
%RSD	.21260	.05894	.85852
#1	7479.2	82881.	6904.0
#2	7501.8	82812.	6988.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 4:42:08 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00746**	**48.059**	**-.00124**	**.00132**	**.00056**	**-.00008**	W **1.0674**	**.02536**	**.00060**	**-.00090**	**.00028**	**-.00703**
Stddev	.00051	.233	.00088	.00081	.00016	.00010	.0097	.00361	.00015	.00017	.00009	.00005
%RSD	6.8640	.48395	71.458	61.646	28.177	127.09	.90369	14.250	24.346	19.142	33.487	.75482
#1	-.00710	48.224	-.00186	.00074	.00067	-.00015	1.0605	.02281	.00070	-.00078	.00034	-.00707
#2	-.00782	47.895	-.00061	.00190	.00045	-.00001	1.0742	.02792	.00049	-.00102	.00021	-.00699
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.169**	**.08640**	**.00159**	**.05577**	**.00020**	**.00027**	**256.22**	**-.00120**	**.00322**	**-.00133**	**5.0460**	**-.00036**
Stddev	.245	.03166	.00097	.00058	.00006	.00031	.08	.00002	.00065	.00159	.0200	.00092
%RSD	.48809	36.641	61.339	1.0316	31.982	113.80	.03118	1.3035	20.192	119.79	.39558	259.50
#1	50.342	.06401	.00090	.05618	.00016	.00005	256.27	-.00119	.00368	-.00246	5.0319	.00030
#2	49.995	.10878	.00228	.05536	.00025	.00049	256.16	-.00121	.00276	-.00020	5.0601	-.00101
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00343**	**.01653**	**.03538**	**-.00064**	**.00011**	**5.1443**	**.01422**	**.00181**	F **8.3058**	**.00069**	**.00245**	**-.08161**
Stddev	.00273	.01423	.03045	.00059	.00012	.0119	.00091	.00069	.0153	.00070	.00009	.00090
%RSD	79.661	86.076	86.076	91.886	107.68	.23051	6.3928	38.361	.18435	101.53	3.4727	1.1003
#1	-.00536	.00647	.01384	-.00105	.00020	5.1359	.01358	.00230	8.2950	.00019	.00251	-.08224
#2	-.00150	.02659	.05691	-.00022	.00003	5.1526	.01487	.00132	8.3167	.00118	.00239	-.08097
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6970.3**	**76588.**	**6341.1**
Stddev	50.4	566.	43.9
%RSD	.72293	.73862	.69226
#1	7005.9	76988.	6310.1
#2	6934.6	76188.	6372.1

Sample Name: CCV-2372889 Acquired: 11/15/2013 4:44:32 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .56138	F .56068	1.0665	.53895	.51800	.47468	-.01031	4.7381	.49306	.51319	.54714	.51735
Stddev	.00044	.00169	.0075	.00240	.00105	.00107	.00104	.0025	.00233	.00209	.00230	.00046
%RSD	.07789	.30111	.70025	.44596	.20189	.22532	10.062	.05199	.47335	.40820	.42088	.08901
#1	.56107	.56187	1.0717	.54065	.51874	.47392	-.01104	4.7399	.49471	.51467	.54877	.51703
#2	.56169	.55948	1.0612	.53725	.51726	.47544	-.00958	4.7364	.49141	.51171	.54551	.51768
Check ?	Chk Fail	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.490%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6421	49.886	1.0244	21.399	.51247	.53668	5.2540	W .55241	1.0737	.98590	-.00156	1.0443
Stddev	.0045	.016	.0033	.043	.00120	.00174	.0100	.00340	.0032	.00251	.00356	.0044
%RSD	.16943	.03283	.31982	.19875	.23371	.32393	.19096	.61561	.29413	.25420	228.71	.42097
#1	2.6453	49.874	1.0268	21.429	.51332	.53790	5.2469	.55481	1.0760	.98767	.00096	1.0474
#2	2.6390	49.897	1.0221	21.369	.51162	.53545	5.2611	.55001	1.0715	.98413	-.00408	1.0411
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass
Value								.50000				
Range								10.000%				

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0981	5.1921	11.111	1.0711	.50202	.00432	.52254	1.0282	-.03307	.49604	.53526	.49834
Stddev	.0023	.0261	.056	.0054	.00077	.00109	.00251	.0064	.02075	.00310	.00013	.00252
%RSD	.20651	.50186	.50186	.50734	.15390	25.265	.47986	.61842	62.748	.62441	.02339	.50570
#1	1.0997	5.2105	11.150	1.0749	.50257	.00354	.52432	1.0327	-.01840	.49823	.53534	.49656
#2	1.0965	5.1737	11.072	1.0672	.50147	.00509	.52077	1.0237	-.04774	.49385	.53517	.50013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	6986.0	77784.	6301.1
Stddev	8.2	240.	10.9
%RSD	.11737	.30824	.17275
#1	6980.2	77954.	6293.4
#2	6991.8	77615.	6308.8

Sample Name: CCB Acquired: 11/15/2013 4:46:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00103**	**.01515**	**.00037**	**.00121**	**.00013**	**.00017**	**.00219**	**-.00202**	**-.00010**	**-.00001**	**.00002**
Stddev	.00008	.01835	.00317	.00019	.00066	.00004	.00169	.00069	.00000	.00006	.00016
%RSD	8.0402	121.11	862.99	15.804	501.03	25.285	76.932	34.175	3.2148	850.21	922.63
#1	-.00109	.00218	.00261	.00134	.00060	.00020	.00339	-.00251	-.00010	-.00005	-.00009
#2	-.00097	.02812	-.00187	.00107	-.00033	.00014	.00100	-.00153	-.00010	.00003	.00013
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00070**	**.00048**	**.11228**	W **.00306**	**.00150**	**.00011**	**.00018**	W **.12045**	**-.00020**	**.00071**	**-.00079**
Stddev	.00052	.00058	.02255	.00078	.00189	.00001	.00003	.00312	.00005	.00174	.00092
%RSD	73.725	121.25	20.087	25.493	125.62	6.7636	15.325	2.5915	23.758	246.94	115.91
#1	-.00107	.00089	.09633	.00251	.00283	.00012	.00020	.12266	-.00024	-.00053	-.00014
#2	-.00034	.00007	.12823	.00361	.00017	.00011	.00016	.11824	-.00017	.00194	-.00144
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit				.00261				.09160			
Low Limit				-.00261				-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00443**	W **.00584**	**.00287**	**-.00081**	**-.00174**	**-.00088**	**-.00012**	**.00452**	**-.00015**	**.00108**	F **-.06692**
Stddev	.00285	.00013	.00198	.00204	.00437	.00041	.00011	.00212	.00001	.00077	.00763
%RSD	64.367	2.2990	69.194	251.00	251.00	46.329	86.678	46.811	5.8084	70.585	11.400
#1	.00241	.00574	.00146	.00063	.00135	-.00116	-.00005	.00602	-.00016	.00054	-.06152
#2	.00644	.00593	.00427	-.00226	-.00483	-.00059	-.00020	.00302	-.00015	.00163	-.07231
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail
High Limit		.00314									.05000
Low Limit		-.00314									-.05000

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**.00015**	**.00353**	**-.00103**
Stddev	.00005	.00057	.00070
%RSD	32.576	16.089	67.907
#1	.00012	.00312	-.00153
#2	.00018	.00393	-.00054
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7003.6**	**78234.**	**6207.7**
Stddev	37.4	298.	41.8
%RSD	.53369	.38058	.67273
#1	6977.2	78444.	6237.2
#2	7030.1	78023.	6178.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 4:48:57 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00974**	**.11356**	**.01565**	**.10680**	**.01066**	**.00103**	**.12009**	**.19404**	**.00479**	**.01032**	**.01093**	**.01418**	**.11078**
Stddev	.00069	.00021	.00174	.00072	.00019	.00005	.00058	.00067	.00012	.00001	.00000	.00019	.00155
%RSD	7.0366	.18795	11.113	.67592	1.7472	4.9218	.47971	.34319	2.5047	.11784	.01087	1.3386	1.3981
#1	.00926	.11341	.01442	.10731	.01053	.00100	.11968	.19357	.00470	.01031	.01094	.01431	.10968
#2	.01023	.11371	.01688	.10629	.01079	.00107	.12050	.19451	.00487	.01033	.01093	.01404	.11187
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0070**	**.01099**	**.22032**	**.01036**	**.02034**	**1.1131**	**.04456**	**3.1126**	**.00960**	**.00442**	**.00973**	**.01758**	**.49691**
Stddev	.0410	.00108	.00027	.00004	.00003	.0134	.00019	.0033	.00057	.00152	.00140	.00133	.01011
%RSD	1.3634	9.7837	.12074	.33991	.15012	1.1999	.43081	.10723	5.9003	34.417	14.420	7.5891	2.0343
#1	2.9780	.01175	.22051	.01039	.02037	1.1036	.04442	3.1150	.00920	.00549	.01073	.01664	.48976
#2	3.0360	.01023	.22013	.01034	.02032	1.1225	.04470	3.1102	.01000	.00334	.00874	.01852	.50406
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0634**	**.10719**	**.00987**	**.01679**	**.01012**	**.01604**	F **.10416**	**.00985**	**.02485**	**.01505**
Stddev	.0216	.00022	.00010	.00021	.00011	.00078	.03259	.00017	.00040	.00039
%RSD	2.0343	.20124	.98543	1.2603	1.0890	4.8327	31.292	1.7126	1.6262	2.5842
#1	1.0481	.10734	.00994	.01664	.01004	.01659	.12721	.00973	.02514	.01532
#2	1.0787	.10703	.00980	.01694	.01020	.01550	.08111	.00997	.02457	.01477
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7212.6**	**80671.**	**6372.7**
Stddev	5.8	284.	39.2
%RSD	.08098	.35233	.61441
#1	7216.8	80872.	6400.4
#2	7208.5	80470.	6345.0

Sample Name: 280-49126-a-1-a Acquired: 11/15/2013 4:51:17 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00210**	**156.45**	**.02420**	**.05130**	**1.8926**	**.00539**	W **-.08442**	**132.86**	**.00273**	**.07269**
Stddev	.00017	.32	.00146	.00004	.0005	.00002	.00015	.22	.00012	.00054
%RSD	8.0354	.20351	6.0246	.08238	.02715	.29424	.17842	.16241	4.4142	.74319
#1	-.00222	156.68	.02523	.05127	1.8930	.00540	-.08452	133.01	.00282	.07231
#2	-.00198	156.23	.02317	.05133	1.8923	.00538	-.08431	132.71	.00265	.07308
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.11721**	**.23972**	**210.76**	**51.190**	**.09879**	**35.761**	**2.7179**	**.00319**	W **10.675**	**12.149**
Stddev	.00012	.00093	.61	.044	.00154	.047	.0156	.00011	.012	.054
%RSD	.10274	.38861	.29022	.08502	1.5622	.13152	.57419	3.4363	.11249	.44539
#1	.11712	.24038	211.19	51.221	.09989	35.794	2.7289	.00327	10.667	12.187
#2	.11729	.23906	210.33	51.159	.09770	35.727	2.7069	.00312	10.684	12.110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit									10.500	
Low Limit									-.50000	

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.07042**	W **7.6681**	**.11971**	**2.4680**	**.00101**	**.00562**	**2.3958**	**5.1271**	**.01614**	**2.4685**
Stddev	.00007	.0032	.00093	.0057	.00275	.00064	.0024	.0051	.00002	.0025
%RSD	.10302	.04169	.77370	.23118	272.46	11.417	.09965	.09965	.09842	.09959
#1	.07047	7.6703	.12036	2.4640	-.00093	.00607	2.3942	5.1235	.01613	2.4702
#2	.07037	7.6658	.11905	2.4720	.00295	.00516	2.3975	5.1307	.01615	2.4668
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.06248**	**3.6125**	**-.00638**	F **-.39454**	**.54292**	**.54565**	**.30603**
Stddev	.00316	.0012	.00100	.04151	.00018	.00025	.00169
%RSD	5.0596	.03391	15.638	10.520	.03396	.04579	.55270
#1	.06472	3.6134	-.00709	-.42388	.54305	.54582	.30483
#2	.06025	3.6116	-.00567	-.36519	.54279	.54547	.30722
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7669.1**	**84752.**	**7303.6**
Stddev	22.9	211.	69.6
%RSD	.29878	.24934	.95301
#1	7652.9	84602.	7254.4
#2	7685.3	84901.	7352.8

Sample Name: 280-49126-a-2-a Acquired: 11/15/2013 4:53:34 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**169.43**	**.03950**	**.05282**	**2.1315**	**.00588**	W **-.09149**	**232.33**	**.00451**	**.08038**
Stddev	.00052	.37	.00141	.00006	.0038	.00005	.00050	3.88	.00004	.00038
%RSD	51.120	.21577	3.5776	.10738	.17972	.91883	.55173	1.6706	.81963	.47077
#1	-.00137	169.18	.04050	.05286	2.1342	.00585	-.09113	229.59	.00454	.08011
#2	-.00064	169.69	.03850	.05278	2.1288	.00592	-.09185	235.08	.00449	.08064
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.15126**	**.28125**	**257.19**	**49.424**	**.12173**	**43.704**	**4.9991**	**.00611**	**44.075**	**.10895**
Stddev	.00096	.00016	.63	.088	.00060	.104	.0177	.00001	.155	.00042
%RSD	.63745	.05669	.24391	.17785	.49399	.23901	.35459	.10903	.35226	.38514
#1	.15058	.28114	257.64	49.362	.12130	43.630	5.0116	.00610	44.184	.10865
#2	.15194	.28136	256.75	49.487	.12215	43.778	4.9865	.00611	43.965	.10925
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.7258**	**.26615**	**3.6197**	**.00174**	**.00157**	**2.9246**	**6.2586**	**.01980**	**2.4223**	**.08143**
Stddev	.0061	.00134	.0089	.00324	.00107	.0287	.0614	.00063	.0005	.00015
%RSD	.09106	.50240	.24436	186.38	68.292	.98152	.98152	3.1816	.02247	.18618
#1	6.7215	.26520	3.6135	.00403	.00233	2.9043	6.2151	.02025	2.4219	.08154
#2	6.7301	.26709	3.6260	-.00055	.00081	2.9449	6.3020	.01936	2.4226	.08132
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9213**	**-.00693**	F **-.41209**	**.56572**	**.98518**	**.29218**
Stddev	.0044	.00100	.00484	.00008	.00476	.00195
%RSD	.11114	14.413	1.1745	.01499	.48287	.66807
#1	3.9182	-.00764	-.41551	.56578	.98182	.29080
#2	3.9244	-.00623	-.40866	.56566	.98855	.29356
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7577.6**	**83863.**	**7363.9**
Stddev	.6	118.	16.1
%RSD	.00838	.14127	.21863
#1	7578.1	83947.	7375.3
#2	7577.2	83780.	7352.5

Sample Name: 280-49126-a-3-a Acquired: 11/15/2013 4:56:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05278**	**98.457**	**.06745**	**.04127**	**8.2877**	**.00942**	F **-.11391**	**28.811**	**.04160**	**.08271**
Stddev	.00003	.127	.00036	.00015	.0178	.00002	.00071	.041	.00045	.00059
%RSD	.05079	.12895	.53691	.37229	.21424	.26321	.62076	.14218	1.0818	.71191
#1	.05276	98.547	.06719	.04116	8.3002	.00940	-.11341	28.840	.04191	.08312
#2	.05280	98.367	.06770	.04138	8.2751	.00944	-.11441	28.782	.04128	.08229
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.28888**	W **21.718**	RW **545.90**	**13.714**	**.07089**	**25.784**	**2.8194**	**.06558**	**2.1743**	**.29688**
Stddev	.00145	.041	.60	.029	.00015	.014	.0085	.00076	.0027	.00041
%RSD	.50289	.18861	.11033	.21476	.21024	.05557	.30032	1.1636	.12275	.13691
#1	.28990	21.689	546.32	13.693	.07078	25.794	2.8254	.06612	2.1724	.29717
#2	.28785	21.747	545.47	13.735	.07099	25.774	2.8134	.06504	2.1762	.29659
Check ?	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		10.000	500.00							
Low Limit		-.01000	40.000							

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.772**	**2.4487**	**9.5910**	**.00852**	**.00424**	**2.5829**	**5.5275**	**.43291**	**1.8326**	**.02818**
Stddev	.002	.0080	.0332	.00306	.00408	.0675	.1446	.00150	.0004	.00377
%RSD	.01771	.32492	.34644	35.896	96.331	2.6153	2.6153	.34614	.02081	13.386
#1	12.771	2.4431	9.5676	.01068	.00135	2.6307	5.6297	.43396	1.8323	.03084
#2	12.774	2.4544	9.6145	.00636	.00712	2.5352	5.4253	.43185	1.8329	.02551
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2059**	W **-.01710**	F **-.13703**	**.35579**	W **11.459**	**.11507**
Stddev	.0015	.00120	.01521	.00019	.014	.00125
%RSD	.04548	6.9897	11.098	.05286	.11800	1.0868
#1	3.2069	-.01794	-.14778	.35592	11.469	.11418
#2	3.2049	-.01625	-.12627	.35566	11.450	.11595
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7372.8**	**82590.**	**6992.0**
Stddev	1.4	309.	31.8
%RSD	.01928	.37409	.45452
#1	7371.8	82372.	6969.6
#2	7373.8	82809.	7014.5

Sample Name: 280-49126-a-4-a Acquired: 11/15/2013 4:59:10 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00002**	**101.80**	**.02204**	**.02060**	**1.2791**	**.00345**	W **-.07490**	**65.120**	**.00843**	**.06627**
Stddev	.00066	.64	.00058	.00140	.0066	.00001	.00105	.289	.00003	.00000
%RSD	3307.2	.63143	2.6238	6.7997	.51450	.17353	1.4036	.44326	.31539	.00026
#1	.00045	102.25	.02163	.01961	1.2838	.00346	-.07416	65.324	.00844	.06627
#2	-.00049	101.34	.02245	.02159	1.2744	.00345	-.07564	64.916	.00841	.06627
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09757**	**1.4474**	**184.66**	**15.736**	**.06735**	**29.381**	**3.4963**	**.00280**	**2.2634**	**.08470**
Stddev	.00044	.0024	.80	.083	.00171	.096	.0334	.00028	.0299	.00035
%RSD	.44848	.16935	.43368	.53020	2.5347	.32623	.95430	9.9721	1.3224	.41821
#1	.09726	1.4492	185.23	15.795	.06856	29.314	3.4727	.00300	2.2845	.08444
#2	.09788	1.4457	184.10	15.677	.06614	29.449	3.5199	.00260	2.2422	.08495
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.5214**	**.91974**	**1.2359**	**.00124**	**.00180**	**2.4253**	**5.1902**	**.01701**	**1.2241**	**.05803**
Stddev	.0130	.00134	.0016	.00200	.00135	.0092	.0197	.00012	.0080	.00376
%RSD	.19948	.14591	.13091	161.70	74.656	.38039	.38039	.69359	.65450	6.4790
#1	6.5122	.91879	1.2347	-.00018	.00276	2.4318	5.2041	.01709	1.2297	.06069
#2	6.5306	.92069	1.2370	.00265	.00085	2.4188	5.1762	.01693	1.2184	.05537
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.2776**	**-.00470**	F **-.28318**	**.38371**	**6.2604**	**.16451**
Stddev	.0040	.00143	.05380	.00003	.0220	.00151
%RSD	.12192	30.361	18.997	.00780	.35194	.91682
#1	3.2748	-.00571	-.32122	.38369	6.2449	.16344
#2	3.2804	-.00369	-.24514	.38373	6.2760	.16557
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7529.8**	**83036.**	**6963.3**
Stddev	9.6	589.	49.4
%RSD	.12773	.70880	.70911
#1	7536.6	83452.	6928.4
#2	7523.0	82620.	6998.2

Sample Name: 280-49126-a-5-a Acquired: 11/15/2013 5:01:29 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200646 SOIL 6010B

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03327**	**75.916**	**.08885**	**.16183**	**1.4720**	**.00271**	W **-.05108**	**215.85**	**.03979**	**.08208**
Stddev	.00009	.789	.00305	.00056	.0174	.00003	.00158	5.42	.00023	.00020
%RSD	.28091	1.0397	3.4281	.34459	1.1792	1.2234	3.0899	2.5115	.57082	.23880
#1	.03320	75.358	.08670	.16143	1.4598	.00269	-.05220	212.02	.03963	.08194
#2	.03334	76.474	.09100	.16222	1.4843	.00273	-.04997	219.68	.03995	.08222
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit							.05000			
Low Limit							-.05000			

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.31996**	**6.4850**	**384.65**	**15.712**	**.16201**	**47.337**	**3.3733**	**.04562**	**6.2359**	**.50453**
Stddev	.00061	.0233	5.30	.222	.00361	.009	.0273	.00025	.0787	.00217
%RSD	.19004	.35984	1.3785	1.4115	2.2279	.02003	.80925	.55274	1.2621	.42963
#1	.31953	6.4685	380.90	15.556	.15946	47.344	3.3926	.04580	6.1802	.50299
#2	.32039	6.5015	388.40	15.869	.16457	47.330	3.3540	.04544	6.2915	.50606
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.2088**	**2.0498**	**4.5283**	**.01133**	**.00709**	**2.5968**	**5.5571**	W **2.0507**	**.72990**	**.02556**
Stddev	.0313	.0084	.0345	.00305	.00130	.0310	.0664	.0165	.00829	.00408
%RSD	.43465	.41063	.76258	26.892	18.359	1.1939	1.1939	.80488	1.1352	15.968
#1	7.2310	2.0438	4.5039	.01348	.00617	2.5749	5.5102	2.0390	.72404	.02845
#2	7.1867	2.0558	4.5527	.00917	.00802	2.6187	5.6041	2.0624	.73576	.02268
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass
High Limit	2.0000							2.0000		
Low Limit	-1.0000							-.05000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.7190**	W **-.01099**	F **-.17032**	**.25707**	W **17.964**	**.08132**
Stddev	.0034	.00179	.06437	.00036	.043	.00219
%RSD	.19788	16.295	37.791	.14034	.23809	2.6974
#1	1.7214	-.00972	-.12481	.25681	17.995	.07977
#2	1.7166	-.01225	-.21584	.25732	17.934	.08287
Check ?	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Warn	Chk Pass
High Limit		5.0000	50.000		10.000	
Low Limit		-.01000	-.10000		-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7004.0**	**78387.**	**6669.7**
Stddev	17.7	272.	99.3
%RSD	.25334	.34705	1.4891
#1	6991.5	78195.	6739.9
#2	7016.6	78580.	6599.4

Sample Name: CCVH-2372891 Acquired: 11/15/2013 5:03:54 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00779**	**48.482**	**-.00024**	**.00102**	**.00086**	**-.00009**	W **1.0780**	**.04211**	**.00067**	**-.00101**	**.00019**	**-.00696**
Stddev	.00054	.214	.00082	.00024	.00025	.00009	.0015	.00099	.00029	.00010	.00014	.00062
%RSD	6.8909	.44127	348.85	23.652	28.763	97.558	.13985	2.3444	42.345	9.8746	73.593	8.8928
#1	-.00741	48.330	.00035	.00119	.00103	-.00003	1.0769	.04141	.00047	-.00108	.00029	-.00652
#2	-.00817	48.633	-.00082	.00085	.00068	-.00016	1.0791	.04281	.00088	-.00094	.00009	-.00740
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.772**	**.09638**	**.00225**	**.05395**	**.00019**	**.00051**	**260.36**	**-.00137**	**.00281**	**-.00156**	**5.1095**	**-.00034**
Stddev	.016	.01244	.00126	.00057	.00008	.00016	.10	.00011	.00119	.00088	.0097	.00015
%RSD	.03110	12.907	55.990	1.0609	44.301	30.575	.03810	8.1336	42.296	56.173	.18983	43.771
#1	50.761	.08759	.00136	.05435	.00025	.00062	260.43	-.00145	.00197	-.00094	5.1027	-.00023
#2	50.783	.10518	.00313	.05354	.00013	.00040	260.29	-.00129	.00365	-.00218	5.1164	-.00044
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00466**	**.01380**	**.02954**	**-.00011**	**.00018**	**5.1640**	**.01418**	**.00233**	F **8.2319**	**.00053**	**.00382**	**-.07838**
Stddev	.00187	.01684	.03604	.00006	.00002	.0023	.00022	.00089	.0195	.00025	.00020	.00208
%RSD	40.109	122.00	122.00	57.327	10.462	.04427	1.5218	38.441	.23643	46.748	5.1454	2.6561
#1	-.00334	.02571	.05502	-.00006	.00017	5.1624	.01434	.00296	8.2456	.00071	.00368	-.07985
#2	-.00598	.00190	.00406	-.00015	.00019	5.1656	.01403	.00169	8.2181	.00036	.00396	-.07690
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6940.1**	**76262.**	**6308.8**
Stddev	2.9	225.	12.3
%RSD	.04109	.29465	.19438
#1	6942.1	76103.	6317.4
#2	6938.1	76421.	6300.1

Sample Name: CCV-2372889 Acquired: 11/15/2013 5:06:18 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F .55356	W .55187	1.0557	.53283	.51453	.47031	-.00806	4.6858	.48866	.50813	.54073	.51041
Stddev	.00022	.00018	.0008	.00059	.00282	.00308	.00185	.0251	.00083	.00079	.00099	.00163
%RSD	.03961	.03204	.07509	.11041	.54886	.65560	22.919	.53486	.17044	.15624	.18350	.31977
#1	.55341	.55175	1.0563	.53241	.51653	.47249	-.00937	4.6681	.48807	.50757	.54003	.50926
#2	.55372	.55200	1.0552	.53324	.51254	.46813	-.00675	4.7036	.48925	.50869	.54144	.51157
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value	.50000	.50000										
Range	10.490%	10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.6103	49.683	1.0104	21.112	.50726	.52868	5.2114	.54888	1.0595	.97443	.00306	1.0312
Stddev	.0158	.134	.0004	.015	.00087	.00289	.0452	.00394	.0051	.00270	.00014	.0042
%RSD	.60522	.27003	.03433	.07222	.17180	.54591	.86814	.71724	.48215	.27680	4.4388	.40669
#1	2.5992	49.777	1.0106	21.101	.50664	.52663	5.2434	.54609	1.0559	.97252	.00296	1.0282
#2	2.6215	49.588	1.0102	21.123	.50788	.53072	5.1794	.55166	1.0631	.97633	.00316	1.0341
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0819	5.0982	10.910	1.0489	.49868	.00492	.51569	1.0069	-.03407	.49237	.52891	.49153
Stddev	.0066	.0295	.063	.0070	.00274	.00161	.00079	.0062	.05399	.00068	.00127	.00693
%RSD	.61201	.57761	.57761	.67234	.54849	32.707	.15263	.61376	158.49	.13895	.23946	1.4099
#1	1.0773	5.0774	10.866	1.0439	.50061	.00378	.51514	1.0025	.00411	.49189	.52802	.48663
#2	1.0866	5.1190	10.955	1.0539	.49674	.00606	.51625	1.0112	-.07224	.49286	.52981	.49643
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	7020.8	77956.	6222.1
Stddev	11.4	52.	3.1
%RSD	.16252	.06733	.05044
#1	7012.7	77919.	6219.8
#2	7028.9	77993.	6224.3

Sample Name: CCB Acquired: 11/15/2013 5:08:26 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00133**	**.00072**	**-.00189**	**.00067**	**.00039**	**.00011**	**.00126**	**-.00111**	**-.00019**	**-.00024**	**.00002**
Stddev	.00015	.00007	.00095	.00099	.00016	.00005	.00037	.00218	.00002	.00010	.00002
%RSD	11.625	9.7829	50.148	146.95	41.040	45.467	29.009	195.45	9.2950	42.721	83.834
#1	-.00144	.00067	-.00256	.00137	.00050	.00014	.00152	-.00265	-.00018	-.00031	.00004
#2	-.00122	.00077	-.00122	-.00003	.00028	.00007	.00100	.00043	-.00021	-.00017	.00001
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00088**	**.00406**	**.10810**	**.00225**	**.00305**	**.00008**	**.00007**	**.09123**	**-.00007**	**-.00013**	**-.00001**
Stddev	.00041	.00424	.00715	.00290	.00155	.00003	.00016	.00355	.00035	.00063	.00046
%RSD	46.260	104.56	6.6132	128.80	50.984	40.079	219.83	3.8909	469.50	469.42	5647.1
#1	-.00117	.00706	.10304	.00020	.00195	.00006	-.00004	.08872	.00017	-.00058	.00032
#2	-.00059	.00106	.11315	.00431	.00415	.00011	.00019	.09374	-.00032	.00031	-.00034
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00343**	W **.00554**	**-.00042**	**.00742**	**.01587**	**-.00064**	**-.00005**	**.00171**	**-.00002**	**.00000**	**-.00193**
Stddev	.00047	.00185	.00193	.00415	.00889	.00036	.00010	.00247	.00004	.0010	.02588
%RSD	13.733	33.349	461.81	55.995	55.995	55.419	178.77	144.69	155.50	33157.	1342.4
#1	.00376	.00424	.00095	.01035	.02216	-.00039	.00001	.00346	-.00005	-.00069	-.02023
#2	.00309	.00685	-.00179	.00448	.00959	-.00089	-.00012	-.00004	.00000	.00069	.01637
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		.00314									
Low Limit		-.00314									

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00009**	**.00372**	**-.00093**
Stddev	.00018	.00044	.00097
%RSD	194.47	11.875	104.24
#1	.00003	.00403	-.00024
#2	-.00022	.00341	-.00161
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7017.6**	**78862.**	**6333.8**
Stddev	3.1	538.	127.4
%RSD	.04435	.68277	2.0114
#1	7015.4	78481.	6243.7
#2	7019.8	79243.	6423.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 5:10:45 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01003**	**.11447**	**.01444**	**.10629**	**.01078**	**.00092**	**.11856**	**.18898**	**.00479**	**.01050**	**.01099**	**.01438**	**.10550**
Stddev	.00093	.00001	.00050	.00029	.00038	.00006	.00047	.00189	.00016	.00015	.00011	.00062	.00145
%RSD	9.2827	.01087	3.4424	.27090	3.5053	6.7055	.39616	.99859	3.3646	1.4080	.99411	4.2771	1.3742
#1	.00937	.11446	.01409	.10650	.01104	.00088	.11823	.18764	.00490	.01061	.01107	.01481	.10652
#2	.01069	.11448	.01479	.10609	.01051	.00097	.11890	.19031	.00467	.01040	.01092	.01394	.10447
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0250**	**.01043**	**.22055**	**.01040**	**.02044**	**1.0900**	**.04483**	**3.1148**	**.00838**	**.00295**	**.01016**	**.01826**	**.49871**
Stddev	.0334	.00223	.00064	.00011	.00053	.0187	.00062	.0204	.00169	.00181	.00009	.00004	.00543
%RSD	1.1040	21.402	.28997	1.1002	2.5755	1.7166	1.3878	.65345	20.148	61.186	.92968	.21361	1.0892
#1	3.0013	.01200	.22010	.01031	.02081	1.0767	.04527	3.1292	.00719	.00168	.01022	.01823	.49487
#2	3.0486	.00885	.22101	.01048	.02006	1.1032	.04439	3.1004	.00957	.00423	.01009	.01829	.50255
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0672**	**.10796**	**.01000**	**.01642**	**.01042**	**.01658**	F **.09719**	**.00942**	**.02469**	**.01348**
Stddev	.0116	.00015	.00015	.00027	.00017	.00047	.01393	.00058	.00025	.00130
%RSD	1.0892	.13688	1.5136	1.6150	1.6063	2.8609	14.335	6.1110	1.0110	9.6559
#1	1.0590	.10785	.00989	.01624	.01053	.01692	.08734	.00901	.02451	.01256
#2	1.0755	.10806	.01010	.01661	.01030	.01625	.10704	.00983	.02486	.01440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7163.8**	**80670.**	**6338.0**
Stddev	12.7	276.	11.2
%RSD	.17687	.34182	.17600
#1	7172.7	80475.	6345.9
#2	7154.8	80865.	6330.1

Sample Name: mb 280-200787/1-a Acquired: 11/15/2013 5:13:05 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.00198**	**-.00309**	**.00029**	**.00018**	**.00005**	**.00226**	**.00794**	**-.00012**	**-.00008**
Stddev	.00061	.00005	.00159	.00043	.00003	.00002	.00210	.00267	.00011	.00008
%RSD	53.694	2.4559	51.353	145.67	17.541	41.180	93.149	33.675	90.968	96.057
#1	-.00071	.00201	-.00197	.00059	.00021	.00004	.00077	.00983	-.00004	-.00013
#2	-.00158	.00195	-.00421	-.00001	.00016	.00007	.00374	.00605	-.00020	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00021**	**-.00068**	**.00786**	**.02743**	**.00279**	**.00451**	**.00018**	**-.00030**	**.05817**	**.00059**
Stddev	.00014	.00032	.00098	.06041	.00133	.00203	.00004	.00006	.00692	.00013
%RSD	65.437	47.342	12.441	220.20	47.695	45.107	20.708	20.918	11.901	21.969
#1	-.00030	-.00091	.00716	.07015	.00185	.00307	.00021	-.00025	.06307	.00068
#2	-.00011	-.00045	.00855	-.01528	.00374	.00594	.00016	-.00034	.05328	.00050
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00022**	**.00000**	**.00612**	**.00141**	**.00271**	**-.00328**	**-.00702**	**-.00076**	**-.00012**	**.00438**
Stddev	.00068	.0003	.00252	.00117	.00292	.01640	.03509	.00003	.00000	.00014
%RSD	310.43	7441.2	41.108	82.787	107.96	500.18	500.18	3.7951	1.4980	3.1078
#1	.00026	.00022	.00434	.00224	.00478	-.01487	-.03183	-.00074	-.00011	.00447
#2	-.00070	-.00023	.00790	.00059	.00064	.00832	.01780	-.00078	-.00012	.00428
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00027**	**.00023**	**-.02838**	**.00039**	**.00463**	**-.00018**
Stddev	.00008	.00009	.01763	.00022	.00022	.00099
%RSD	28.860	41.232	62.119	56.048	4.8205	547.46
#1	.00021	.00029	-.04085	.00055	.00478	.00052
#2	.00032	.00016	-.01592	.00024	.00447	-.00088
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7124.2**	**80741.**	**6369.2**
Stddev	10.2	607.	35.8
%RSD	.14283	.75156	.56272
#1	7131.4	80312.	6394.6
#2	7117.0	81170.	6343.9

Sample Name: lcs 280-200787/2-a Acquired: 11/15/2013 5:15:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05450**	**2.0979**	**1.0830**	**1.0999**	**2.0917**	**.04788**	**2.2113**	**46.192**	**.10003**	**.50246**
Stddev	.00048	.0155	.0087	.0060	.0037	.00000	.0129	.037	.00048	.00323
%RSD	.88718	.74030	.80701	.54098	.17654	.00012	.58463	.08090	.47888	.64236
#1	.05416	2.1088	1.0892	1.1041	2.0891	.04788	2.2204	46.218	.10037	.50474
#2	.05485	2.0869	1.0768	1.0957	2.0943	.04788	2.2021	46.165	.09969	.50018
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21911**	**.25956**	**1.0412**	**50.917**	**1.0384**	**53.513**	**.50743**	**1.0730**	**53.208**	**.53892**
Stddev	.00135	.00018	.0053	.174	.0046	.122	.00111	.0072	.049	.00299
%RSD	.61435	.07043	.51102	.34109	.43863	.22798	.21854	.66851	.09171	.55485
#1	.22007	.25969	1.0374	50.794	1.0351	53.599	.50822	1.0781	53.174	.54104
#2	.21816	.25943	1.0449	51.040	1.0416	53.426	.50665	1.0680	53.243	.53681
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.978**	**.47460**	**.00013**	**.52991**	**2.2339**	**10.313**	**22.069**	**2.1252**	**1.0131**	**1.0441**
Stddev	.058	.00153	.00107	.00469	.0151	.090	.193	.0188	.0016	.0009
%RSD	.53246	.32172	833.85	.88466	.67569	.87302	.87302	.88602	.16217	.08958
#1	11.020	.47568	.00089	.53323	2.2445	10.249	21.933	2.1385	1.0119	1.0448
#2	10.937	.47352	-.00063	.52660	2.2232	10.376	22.206	2.1119	1.0143	1.0435
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0579**	**1.9734**	F **3.4162**	**.50314**	**.52214**	**.48404**
Stddev	.0010	.0107	.0219	.00058	.00122	.00339
%RSD	.09965	.54157	.64177	.11498	.23410	.70129
#1	1.0587	1.9810	3.4317	.50273	.52300	.48164
#2	1.0572	1.9658	3.4007	.50355	.52128	.48644
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.3000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.0**	**77050.**	**6351.3**
Stddev	44.7	315.	7.1
%RSD	.64999	.40862	.11243
#1	6851.4	76827.	6346.2
#2	6914.7	77272.	6356.3

Sample Name: 280-48908-h-2-e Acquired: 11/15/2013 5:17:30 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00065**	**.01921**	**-.00127**	**.05434**	**.06039**	**.00009**	**.00307**	**53.865**	**.00054**	**.00470**
Stddev	.00009	.00016	.00065	.00076	.00066	.00004	.00068	.024	.00023	.00027
%RSD	14.214	.81860	51.097	1.3947	1.0908	50.174	22.193	.04479	42.427	5.7488
#1	-.00059	.01910	-.00081	.05488	.05992	.00006	.00355	53.848	.00038	.00489
#2	-.00072	.01932	-.00173	.05381	.06085	.00012	.00259	53.882	.00070	.00450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00083**	**.08034**	**1.8899**	**.00457**	**4.3500**	**.10210**	**.00411**	**16.845**	**.00750**
Stddev	.00007	.00025	.00260	.0153	.00132	.0228	.00009	.00044	.099	.00042
%RSD	70.725	29.845	3.2369	.80897	28.889	.52437	.09002	10.675	.58530	5.6147
#1	.00005	.00101	.08218	1.9007	.00364	4.3339	.10217	.00380	16.914	.00780
#2	.00016	.00066	.07850	1.8790	.00551	4.3661	.10204	.00442	16.775	.00720
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00640**	**-.00051**	**3.1522**	**-.00132**	**.00132**	**8.8000**	**18.832**	**.00044**	**.23863**	**.00453**
Stddev	.00003	.00083	.0017	.00013	.00097	.0089	.019	.00027	.00044	.00068
%RSD	.42390	161.60	.05379	9.5209	73.652	.10141	.10141	60.201	.18334	14.913
#1	.00642	-.00110	3.1534	-.00141	.00201	8.8063	18.845	.00063	.23832	.00501
#2	.00638	.00007	3.1510	-.00123	.00063	8.7937	18.818	.00026	.23894	.00405
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00053**	**.00117**	W **-.05515**	**.00062**	**.01698**	**-.00040**
Stddev	.00008	.00072	.02572	.00033	.00034	.00040
%RSD	15.895	61.287	46.638	52.081	2.0029	100.37
#1	.00047	.00168	-.03697	.00085	.01674	-.00012
#2	.00059	.00067	-.07334	.00039	.01722	-.00069
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7033.3**	**79359.**	**6451.4**
Stddev	25.6	182.	30.2
%RSD	.36352	.22909	.46879
#1	7015.2	79488.	6472.8
#2	7051.4	79231.	6430.0

Sample Name: 280-48908-h-2-eSD@5 Acquired: 11/15/2013 5:19:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00147**	**.00863**	**-.00169**	**.01102**	**.01280**	**.00009**	**.00283**	**10.881**	**-.00006**	**.00081**
Stddev	.00018	.00027	.00143	.00048	.00008	.00002	.00053	.028	.00016	.00007
%RSD	12.223	3.1112	84.343	4.3816	.65908	24.486	18.653	.25783	288.03	8.7685
#1	-.00134	.00882	-.00270	.01068	.01274	.00008	.00245	10.861	.00006	.00076
#2	-.00159	.00844	-.00068	.01136	.01285	.00011	.00320	10.901	-.00017	.00086
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00006**	**-.00067**	**.02359**	**.41250**	**.00135**	**.89269**	**.02099**	**.00059**	**3.1723**	**.00114**
Stddev	.00004	.00026	.00104	.02832	.00197	.00295	.00016	.00014	.0014	.00005
%RSD	70.273	39.470	4.4127	6.8654	146.68	.33071	.78309	23.484	.04348	3.9732
#1	.00008	-.00048	.02432	.39248	.00274	.89061	.02087	.00069	3.1714	.00117
#2	.00003	-.00086	.02285	.43253	-.00005	.89478	.02111	.00049	3.1733	.00110
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00171**	**-.00045**	**.61235**	**.00092**	**-.00140**	**1.7445**	**3.7331**	**.00045**	**.04789**	**.00097**
Stddev	.00006	.00022	.00109	.00270	.00070	.0267	.0571	.00015	.00017	.00050
%RSD	3.2491	49.176	.17794	292.68	50.187	1.5310	1.5310	32.517	.36402	51.516
#1	.00175	-.00061	.61158	-.00099	-.00190	1.7256	3.6927	.00056	.04777	.00062
#2	.00167	-.00030	.61312	.00284	-.00091	1.7633	3.7736	.00035	.04801	.00133
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00006**	**.00137**	**-.03919**	**.00021**	**.00885**	**-.00047**
Stddev	.00025	.00055	.01180	.00013	.00030	.00104
%RSD	410.23	40.432	30.109	61.680	3.4470	221.24
#1	-.00023	.00098	-.04753	.00031	.00906	.00027
#2	.00011	.00176	-.03085	.00012	.00863	-.00121
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7063.0**	**79117.**	**6268.9**
Stddev	24.6	546.	13.9
%RSD	.34808	.68987	.22120
#1	7045.7	78731.	6278.7
#2	7080.4	79503.	6259.1

Sample Name: 280-48908-h-2-f ms Acquired: 11/15/2013 5:22:13 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05252**	**1.9780**	**1.0292**	**1.0999**	**2.0519**	**.04587**	F **2.1165**	**99.637**	**.09621**	**.47807**
Stddev	.00001	.0008	.0035	.0015	.0042	.00056	.0073	.281	.00022	.00036
%RSD	.01872	.04247	.33930	.14017	.20210	1.2144	.34541	.28184	.23362	.07520
#1	.05252	1.9774	1.0317	1.0988	2.0548	.04626	2.1217	99.835	.09637	.47833
#2	.05253	1.9786	1.0267	1.1010	2.0489	.04547	2.1114	99.438	.09605	.47782
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20754**	**.24690**	**1.0459**	**50.830**	**1.0008**	**54.551**	**.58274**	**1.0206**	**68.327**	**.51260**
Stddev	.00017	.00049	.0150	.140	.0028	.202	.00067	.0006	1.117	.00033
%RSD	.08300	.19772	1.4300	.27614	.28072	.37042	.11416	.06118	1.6353	.06458
#1	.20742	.24656	1.0565	50.929	1.0028	54.694	.58321	1.0210	69.117	.51236
#2	.20766	.24725	1.0354	50.730	.99881	54.408	.58227	1.0201	67.537	.51283
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.495**	**.44874**	**3.3097**	**.50290**	**2.0942**	**19.147**	**40.976**	**1.9830**	**1.2126**	**.99274**
Stddev	.019	.00265	.0138	.00398	.0066	.204	.437	.0015	.0006	.00871
%RSD	.17910	.59115	.41690	.79120	.31296	1.0676	1.0676	.07653	.04950	.87751
#1	10.508	.44687	3.3195	.50572	2.0895	19.292	41.285	1.9840	1.2130	.99890
#2	10.481	.45062	3.3000	.50009	2.0988	19.003	40.666	1.9819	1.2122	.98658
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0014**	**1.8372**	**3.2062**	**.47703**	**.50479**	**.46117**
Stddev	.0000	.0048	.0425	.00042	.00398	.00072
%RSD	.00192	.26151	1.3241	.08777	.78889	.15538
#1	1.0014	1.8406	3.1762	.47733	.50761	.46066
#2	1.0014	1.8338	3.2363	.47674	.50198	.46167
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6906.3**	**76854.**	**6309.7**
Stddev	14.6	700.	17.4
%RSD	.21084	.91035	.27499
#1	6916.6	76360.	6322.0
#2	6896.0	77349.	6297.5

Sample Name: 280-48908-h-2-g msd Acquired: 11/15/2013 5:24:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05080**	**1.9389**	**1.0001**	**1.0735**	**2.0004**	**.04484**	F **2.0501**	**96.456**	**.09333**	**.46523**
Stddev	.00015	.0037	.0019	.0003	.0018	.00014	.0026	.110	.00041	.00024
%RSD	.28546	.19114	.18498	.02406	.09063	.32068	.12725	.11420	.43980	.05057
#1	.05090	1.9415	1.0014	1.0733	2.0017	.04474	2.0520	96.534	.09304	.46540
#2	.05070	1.9363	.99881	1.0737	1.9991	.04494	2.0483	96.378	.09362	.46507
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20194**	**.24083**	**1.0122**	**49.702**	**.97733**	**53.235**	**.56716**	**.99470**	**66.671**	**.49974**
Stddev	.00053	.00019	.0025	.009	.00160	.190	.00165	.00175	.261	.00074
%RSD	.26057	.08075	.24372	.01875	.16420	.35673	.29083	.17558	.39077	.14819
#1	.20231	.24070	1.0104	49.709	.97846	53.101	.56599	.99594	66.855	.50026
#2	.20157	.24097	1.0139	49.696	.97619	53.370	.56833	.99347	66.486	.49921
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.218**	**.43844**	**3.1737**	**.48911**	**2.0352**	**18.659**	**39.931**	**1.9366**	**1.1792**	**.96433**
Stddev	.000	.00042	.0025	.00064	.0037	.113	.243	.0001	.0005	.00232
%RSD	.00061	.09604	.07901	.13128	.18275	.60815	.60815	.00311	.04144	.24064
#1	10.218	.43874	3.1720	.48866	2.0379	18.740	40.103	1.9365	1.1795	.96597
#2	10.218	.43814	3.1755	.48956	2.0326	18.579	39.759	1.9366	1.1789	.96269
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.97518**	**1.7924**	**3.1445**	**.46384**	**.49040**	**.45471**
Stddev	.00056	.0006	.0089	.00047	.00287	.00002
%RSD	.05788	.03512	.28477	.10103	.58515	.00395
#1	.97478	1.7929	3.1381	.46350	.48837	.45472
#2	.97558	1.7920	3.1508	.46417	.49242	.45470
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6858.6**	**76872.**	**6402.7**
Stddev	1.4	329.	13.6
%RSD	.02104	.42839	.21256
#1	6859.7	77105.	6393.1
#2	6857.6	76639.	6412.4

Sample Name: 280-48908-h-2-ePDS Acquired: 11/15/2013 5:26:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04730**	**1.0913**	**.21615**	**.15994**	**.16261**	**.04815**	**-.00083**	**70.704**	**.05158**	**.05486**
Stddev	.00002	.0022	.00140	.00010	.00122	.00014	.00080	.452	.00002	.00010
%RSD	.05230	.19657	.64731	.05948	.75230	.28306	96.589	.63875	.03515	.18060
#1	.04732	1.0898	.21714	.16001	.16174	.04824	-.00139	71.023	.05159	.05479
#2	.04728	1.0929	.21516	.15987	.16347	.04805	-.00026	70.385	.05156	.05493
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05523**	**.05234**	**1.0985**	**22.144**	**.10823**	**25.081**	**.14935**	**.05491**	**37.962**	**.06103**
Stddev	.00003	.00003	.0012	.078	.00031	.139	.00028	.00016	.191	.00044
%RSD	.04720	.06218	.10570	.35189	.28580	.55260	.18760	.28239	.50214	.71349
#1	.05525	.05232	1.0977	22.199	.10845	24.983	.14915	.05502	37.827	.06134
#2	.05521	.05237	1.0994	22.089	.10801	25.179	.14955	.05480	38.097	.06072
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **2.2287**	**.09548**	**3.1037**	**.10095**	**.21816**	**13.680**	**29.275**	**.10170**	**.28250**	**.20955**
Stddev	.0020	.00021	.0075	.00007	.00062	.019	.042	.00001	.00080	.00138
%RSD	.09064	.21794	.24032	.07164	.28569	.14229	.14229	.00619	.28266	.65879
#1	2.2301	.09533	3.1090	.10100	.21772	13.666	29.245	.10170	.28306	.20858
#2	2.2273	.09563	3.0984	.10090	.21860	13.694	29.304	.10169	.28193	.21053
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05122**	**.20096**	**.79609**	**.05063**	**.22680**	**.04309**
Stddev	.00000	.00028	.04144	.00143	.00163	.00104
%RSD	.00092	.13858	5.2052	2.8232	.71876	2.4168
#1	.05122	.20077	.82539	.04962	.22565	.04235
#2	.05122	.20116	.76679	.05164	.22796	.04383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6989.4**	**78167.**	**6387.9**
Stddev	10.4	188.	47.2
%RSD	.14894	.24085	.73923
#1	6982.1	78300.	6354.5
#2	6996.8	78034.	6421.2

Sample Name: 280-49096-g-3-b Acquired: 11/15/2013 5:28:35 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200787 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00154**	**.46625**	**-.00237**	**.00922**	**.03737**	**.00019**	**.00194**	**.47035**	**-.00005**	**.00123**
Stddev	.00065	.00227	.00274	.00037	.00052	.00001	.00134	.01112	.00006	.00019
%RSD	42.378	.48734	115.67	4.0289	1.3899	6.2758	69.074	2.3644	117.54	15.502
#1	-.00200	.46786	-.00043	.00896	.03774	.00020	.00289	.46249	-.00001	.00109
#2	-.00108	.46465	-.00430	.00949	.03701	.00018	.00099	.47822	-.00009	.00136
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00126**	**.00098**	**.74099**	**.94935**	**.00301**	**1.0833**	**.00664**	**.00014**	**18.667**	**.00206**
Stddev	.00004	.00026	.00610	.04388	.00022	.0048	.00002	.00026	.077	.00010
%RSD	3.3431	26.647	.82304	4.6220	7.4266	.44456	.23048	193.87	.41107	4.9925
#1	.00123	.00080	.74531	.98038	.00317	1.0799	.00665	.00032	18.721	.00213
#2	.00129	.00117	.73668	.91833	.00285	1.0867	.00663	-.00005	18.613	.00199
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01210**	**-.00043**	**.79822**	**-.00044**	**-.00053**	**6.0349**	**12.915**	**-.00046**	**.00547**	**.00339**
Stddev	.00035	.00051	.00505	.00044	.00272	.0062	.013	.00040	.00013	.00164
%RSD	2.8688	118.48	.63259	99.702	515.89	.10238	.10238	87.000	2.3658	48.459
#1	.01234	-.00007	.80179	-.00013	.00140	6.0305	12.905	-.00075	.00556	.00223
#2	.01185	-.00079	.79465	-.00075	-.00245	6.0392	12.924	-.00018	.00538	.00455
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00655**	**.00028**	W **-.05118**	**.00161**	**.00861**	**.00051**
Stddev	.00081	.00022	.04545	.00004	.00026	.00003
%RSD	12.352	79.842	88.808	2.5818	2.9866	5.5001
#1	.00712	.00012	-.01904	.00159	.00879	.00053
#2	.00598	.00044	-.08332	.00164	.00842	.00049
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7164.5**	**80637.**	**6455.7**
Stddev	6.4	531.	9.2
%RSD	.08901	.65904	.14302
#1	7169.1	81013.	6449.1
#2	7160.0	80261.	6462.2

Sample Name: CCVH-2372891 Acquired: 11/15/2013 5:30:56 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00698**	**48.233**	**-.00077**	**.00251**	**.00059**	**-.00004**	W **1.0684**	**.01583**	**.00086**	**-.00094**	**.00025**	**-.00721**
Stddev	.00002	.001	.00191	.00072	.00014	.00008	.0035	.00147	.00017	.00010	.00003	.00004
%RSD	.29017	.00122	248.87	28.511	24.323	179.05	.33159	9.2637	20.045	10.701	10.789	.52246
#1	-.00697	48.233	.00058	.00302	.00070	-.00010	1.0709	.01687	.00074	-.00101	.00026	-.00718
#2	-.00699	48.232	-.00212	.00201	.00049	.00001	1.0659	.01480	.00098	-.00087	.00023	-.00723
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.248**	**.10040**	**.00344**	**.05578**	**-.00011**	**.00053**	**259.28**	**-.00102**	**.00394**	**-.00249**	**5.0757**	**.00189**
Stddev	.105	.03593	.00013	.00301	.00007	.00013	.42	.00032	.00117	.00097	.0040	.00116
%RSD	.20809	35.782	3.8255	5.3881	70.170	24.025	.16018	31.717	29.658	38.844	.07789	61.377
#1	50.174	.07500	.00335	.05366	-.00016	.00044	258.99	-.00125	.00477	-.00318	5.0729	.00107
#2	50.322	.12581	.00354	.05791	-.00005	.00061	259.57	-.00079	.00311	-.00181	5.0785	.00272
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00566**	**.01333**	**.02854**	**-.00033**	**-.00008**	**5.1318**	**.01312**	**.00248**	F **8.1950**	**.00086**	**.00299**	**-.07638**
Stddev	.00064	.01158	.02478	.00009	.00001	.0143	.00002	.00082	.0164	.00073	.00003	.00055
%RSD	11.248	86.856	86.856	28.348	12.409	.27905	.16767	33.083	.20020	84.953	1.1385	.72136
#1	-.00611	.02152	.04606	-.00040	-.00009	5.1217	.01314	.00306	8.1834	.00138	.00297	-.07600
#2	-.00521	.00514	.01101	-.00026	-.00007	5.1420	.01311	.00190	8.2066	.00034	.00301	-.07677
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6930.8**	**76683.**	**6369.2**
Stddev	6.7	100.	17.2
%RSD	.09602	.13050	.27063
#1	6926.1	76753.	6381.4
#2	6935.5	76612.	6357.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 5:33:21 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54781**	W **.55030**	**1.0476**	**.53153**	**.51224**	**.46897**	**-.00985**	**4.6707**	**.49131**	**.50883**	**.53769**	**.51096**
Stddev	.00172	.00079	.0024	.00167	.00150	.00143	.00194	.0111	.00019	.00095	.00066	.00178
%RSD	.31318	.14282	.22753	.31409	.29254	.30439	19.727	.23697	.03771	.18598	.12235	.34841
#1	.54902	.54975	1.0493	.53035	.51118	.46796	-.00848	4.6629	.49118	.50816	.53723	.51221
#2	.54660	.55086	1.0459	.53271	.51330	.46998	-.01123	4.6785	.49144	.50950	.53816	.50970
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000										
Range		10.000%										

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.5663**	**49.655**	**1.0155**	**20.967**	**.50623**	**.52531**	**5.2211**	**.54342**	**1.0492**	**.97347**	**-.00041**	**1.0231**
Stddev	.0074	.354	.0047	.041	.00070	.00268	.0057	.00028	.0024	.00040	.00008	.0016
%RSD	.28888	.71211	.46523	.19421	.13734	.51061	.10998	.05110	.23388	.04087	18.999	.15573
#1	2.5610	49.404	1.0121	20.996	.50672	.52341	5.2251	.54322	1.0474	.97319	-.00036	1.0243
#2	2.5715	49.905	1.0188	20.939	.50573	.52721	5.2170	.54362	1.0509	.97375	-.00047	1.0220
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0666**	**5.0158**	**10.734**	**1.0419**	**.49771**	**.00548**	**.51388**	**1.0037**	**-.02135**	**.49285**	**.52369**	**.48618**
Stddev	.0012	.0514	.110	.0014	.00233	.00058	.00136	.0015	.03063	.00177	.00111	.00249
%RSD	.11335	1.0244	1.0244	.13514	.46840	10.582	.26484	.15324	143.42	.35889	.21212	.51158
#1	1.0675	4.9794	10.656	1.0409	.49606	.00507	.51484	1.0026	.00030	.49160	.52447	.48443
#2	1.0657	5.0521	10.811	1.0429	.49936	.00588	.51292	1.0048	-.04301	.49410	.52290	.48794
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value												
Range												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7007.9**	**78371.**	**6295.2**
Stddev	7.5	10.	82.3
%RSD	.10715	.01273	1.3070
#1	7013.2	78364.	6353.4
#2	7002.5	78378.	6237.0

Sample Name: CCB Acquired: 11/15/2013 5:35:28 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00083**	**-.00004**	**-.00164**	**.00202**	**.00044**	**.00004**	**.00264**	**-.00295**	**.00004**	**.00001**	**-.00002**	**-.00052**
Stddev	.00003	.00020	.00109	.00003	.00001	.00000	.00017	.00066	.00012	.00022	.00002	.00071
%RSD	3.6640	496.85	66.568	1.6883	3.3224	6.7284	6.3806	22.394	266.18	2105.7	139.14	138.25
#1	-.00081	-.00019	-.00087	.00200	.00043	.00004	.00276	-.00248	.00013	.00017	.00000	-.00001
#2	-.00085	.00010	-.00241	.00204	.00045	.00004	.00252	-.00341	-.00004	-.00015	-.00003	-.00102
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00038**	**.08281**	**.00235**	**.00137**	**.00004**	**.00018**	W **.09901**	**-.00024**	**.00003**	**.00000**	**.00402**	W **.00571**
Stddev	.00218	.00574	.00219	.00106	.00005	.00001	.00084	.00012	.00071	.00187	.00317	.00069
%RSD	570.76	6.9294	93.227	77.296	137.15	7.9412	.85329	51.614	2324.5	64249.	78.852	12.030
#1	.00193	.08687	.00390	.00062	.00007	.00019	.09961	-.00033	-.00047	.00133	.00178	.00523
#2	-.00116	.07875	.00080	.00212	.00000	.00017	.09841	-.00015	.00053	-.00132	.00626	.00620
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit							.09160					.00314
Low Limit							-.09160					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00354**	**.01213**	**.02595**	**-.00006**	**-.00010**	**.00327**	**.00023**	**-.00020**	**-.02866**	**.00030**	**.00334**	**-.00174**
Stddev	.00154	.01538	.03291	.00066	.00014	.00169	.00013	.00046	.02685	.00003	.00063	.00037
%RSD	43.447	126.80	126.80	1018.0	137.47	51.741	57.397	231.44	93.683	8.7185	18.930	21.494
#1	.00463	.00125	.00268	.00040	-.00020	.00207	.00032	.00013	-.00967	.00032	.00290	-.00148
#2	.00245	.02300	.04922	-.00053	.00000	.00446	.00014	-.00052	-.04764	.00028	.00379	-.00201
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7010.2**	**79391.**	**6193.3**
Stddev	.8	184.	22.9
%RSD	.01092	.23236	.36963
#1	7010.7	79522.	6177.1
#2	7009.6	79261.	6209.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 5:37:48 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01032**	**.11413**	**.01399**	**.10652**	**.01044**	**.00100**	**.11999**	**.19036**	**.00484**	**.01028**	**.01087**	**.01464**	**.10286**
Stddev	.00065	.00036	.00161	.00058	.00025	.00002	.00077	.00219	.00013	.00007	.00004	.00042	.00160
%RSD	6.2588	.31363	11.522	.54017	2.4200	1.7445	.64404	1.1495	2.6380	.65272	.33839	2.8476	1.5601
#1	.01078	.11387	.01285	.10692	.01062	.00102	.11945	.18882	.00475	.01023	.01084	.01493	.10173
#2	.00987	.11438	.01513	.10611	.01026	.00099	.12054	.19191	.00493	.01033	.01089	.01434	.10400
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0290**	**.01138**	**.22005**	**.01032**	**.02058**	**1.1183**	**.04484**	**3.1129**	**.00920**	**.00135**	**.00949**	**.01492**	**.48948**
Stddev	.0145	.00107	.00215	.00001	.00024	.0037	.00029	.0057	.00042	.00075	.00055	.00118	.00362
%RSD	.47995	9.4333	.97550	.06379	1.1462	.32886	.64644	.18257	4.5455	55.805	5.7432	7.8896	.73977
#1	3.0187	.01214	.22156	.01032	.02075	1.1157	.04504	3.1169	.00890	.00188	.00911	.01575	.49204
#2	3.0393	.01062	.21853	.01031	.02042	1.1209	.04463	3.1089	.00949	.00082	.00988	.01409	.48692
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0475**	**.10778**	**.00984**	**.01587**	**.00977**	**.01686**	F **.09011**	**.00984**	**.02587**	**.01387**
Stddev	.0077	.00029	.00010	.00072	.00014	.00039	.01223	.00033	.00037	.00017
%RSD	.73977	.26498	1.0167	4.5505	1.4653	2.3239	13.568	3.3469	1.4188	1.2450
#1	1.0530	.10799	.00991	.01638	.00967	.01659	.09876	.00961	.02613	.01375
#2	1.0420	.10758	.00977	.01536	.00987	.01714	.08147	.01007	.02561	.01399
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7184.5**	**81490.**	**6409.6**
Stddev	17.4	85.	48.6
%RSD	.24275	.10393	.75759
#1	7196.8	81550.	6375.3
#2	7172.2	81431.	6444.0

Sample Name: mb 280-200652/1-a Acquired: 11/15/2013 5:40:08 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	W **.05833**	**-.00321**	**.02245**	**.00117**	**-.00001**	**.00265**	F **.63495**	**.00007**	**-.00010**
Stddev	.00039	.00026	.00063	.00042	.00029	.00006	.00026	.00709	.00005	.00021
%RSD	49.890	.43907	19.468	1.8881	24.680	914.23	9.7350	1.1166	72.555	206.89
#1	-.00050	.05851	-.00365	.02275	.00097	.00004	.00247	.63996	.00003	-.00025
#2	-.00104	.05815	-.00277	.02215	.00138	-.00005	.00283	.62993	.00011	.00005
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit		.05000						.20000		
Low Limit		-.05000						-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00035**	**-.00040**	**.04751**	**.08022**	**.00112**	**.07554**	**.00140**	**-.00011**	**.15049**	**.00009**
Stddev	.00019	.00017	.00057	.02595	.00004	.00207	.00001	.00002	.01617	.00007
%RSD	52.968	42.368	1.1946	32.356	3.5862	2.7429	.87879	15.150	10.742	69.972
#1	.00022	-.00028	.04791	.06186	.00110	.07701	.00139	-.00010	.16192	.00014
#2	.00048	-.00052	.04711	.09857	.00115	.07407	.00141	-.00012	.13906	.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00481**	**-.00045**	**.01342**	**-.00134**	**-.00064**	**.07006**	**.14993**	**.00468**	**.00145**	**.00467**
Stddev	.00019	.00002	.00200	.00137	.00322	.00469	.01003	.00003	.00009	.00077
%RSD	3.9778	3.7328	14.863	102.54	502.57	6.6886	6.6886	.63849	6.3549	16.546
#1	.00467	-.00046	.01483	-.00231	-.00291	.07337	.15702	.00470	.00152	.00412
#2	.00494	-.00044	.01201	-.00037	.00163	.06675	.14284	.00466	.00139	.00521
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00095**	**-.00061**	F **-.06132**	**.00051**	**.00469**	**-.00075**
Stddev	.00040	.00048	.02529	.00013	.00022	.00049
%RSD	42.030	79.767	41.249	26.200	4.7052	66.169
#1	.00067	-.00026	-.07921	.00041	.00453	-.00040
#2	.00124	-.00095	-.04344	.00060	.00484	-.00109
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			.06000			
Low Limit			-.06000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7091.8**	**80403.**	**6320.5**
Stddev	22.3	162.	7.2
%RSD	.31427	.20149	.11388
#1	7107.5	80288.	6315.4
#2	7076.0	80517.	6325.6

Sample Name: lcs 280-200652/2-a Acquired: 11/15/2013 5:42:26 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05059**	**2.1106**	**1.0161**	F **1.1301**	**1.9948**	**.04541**	**2.0819**	**45.038**	**.09488**	**.48372**
Stddev	.00031	.0059	.0014	.0005	.0005	.00013	.0036	.132	.00005	.00083
%RSD	.61459	.27705	.13824	.04261	.02324	.29606	.17229	.29372	.05286	.17259
#1	.05037	2.1148	1.0171	1.1304	1.9951	.04532	2.0845	44.945	.09491	.48431
#2	.05081	2.1065	1.0151	1.1297	1.9944	.04551	2.0794	45.132	.09484	.48313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit				1.1000						
Low Limit				.81000						

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21155**	**.24656**	**1.0462**	**48.632**	**.99003**	**50.289**	**.48776**	**1.0360**	**50.976**	**.51592**
Stddev	.00043	.00069	.0022	.129	.00179	.198	.00110	.0005	.164	.00086
%RSD	.20275	.27805	.21107	.26606	.18123	.39322	.22611	.05169	.32165	.16727
#1	.21186	.24608	1.0478	48.540	.98876	50.149	.48698	1.0363	51.092	.51653
#2	.21125	.24705	1.0446	48.723	.99130	50.429	.48854	1.0356	50.860	.51531
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.332**	**.45660**	**.00634**	**.48269**	**2.0435**	**4.9156**	**10.519**	**2.0139**	**.96793**	**1.0019**
Stddev	.007	.00079	.00107	.00328	.0088	.0281	.060	.0073	.00064	.0019
%RSD	.06647	.17222	16.797	.67874	.42959	.57136	.57136	.36276	.06607	.19284
#1	10.337	.45716	.00710	.48500	2.0497	4.8958	10.477	2.0191	.96839	1.0006
#2	10.327	.45605	.00559	.48037	2.0372	4.9355	10.562	2.0087	.96748	1.0033
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0165**	**1.8660**	F **3.2508**	**.48453**	**.49692**	**.45899**
Stddev	.0011	.0080	.0426	.00259	.00226	.00226
%RSD	.10990	.42879	1.3116	.53537	.45549	.49265
#1	1.0157	1.8717	3.2207	.48270	.49532	.46059
#2	1.0173	1.8603	3.2810	.48636	.49852	.45739
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			2.2000			
Low Limit			1.7000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6779.1**	**76225.**	**6231.7**
Stddev	10.2	505.	40.3
%RSD	.15024	.66207	.64690
#1	6771.9	76582.	6203.2
#2	6786.3	75868.	6260.2

Sample Name: 280-48953-a-1-c Acquired: 11/15/2013 5:44:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00152**	**214.35**	**.10614**	**.43717**	**3.3031**	**.00998**	W **-.06841**	RF **1378.7**	**.00890**	**.07068**
Stddev	.00053	.58	.00242	.00160	.0087	.00002	.00193	1.4	.00006	.00009
%RSD	35.073	.26930	2.2814	.36676	.26354	.17665	2.8217	.10107	.71386	.13420
#1	-.00114	214.76	.10443	.43831	3.3093	.01000	-.06704	1377.8	.00885	.07075
#2	-.00190	213.95	.10785	.43604	3.2970	.00997	-.06977	1379.7	.00894	.07061
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22121**	**.19754**	**185.63**	**77.663**	**.74217**	**268.56**	**5.8210**	**.02686**	**16.628**	**.20961**
Stddev	.00006	.00136	.16	.307	.00421	3.45	.0239	.00030	.198	.00006
%RSD	.02669	.68673	.08813	.39518	.56762	1.2836	.41061	1.1325	1.1896	.02889
#1	.22125	.19850	185.75	77.880	.74515	266.12	5.8379	.02665	16.768	.20966
#2	.22117	.19658	185.52	77.446	.73919	271.00	5.8041	.02708	16.488	.20957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.642**	**.14456**	**4.5682**	**.01485**	**.01554**	**2.3598**	**5.0499**	**.01639**	**4.4262**	**.09491**
Stddev	.016	.00164	.0036	.00079	.00220	.0452	.0968	.00051	.0005	.00039
%RSD	.14637	1.1333	.07887	5.3384	14.178	1.9163	1.9163	3.0827	.01105	.41186
#1	10.653	.14340	4.5707	.01429	.01398	2.3278	4.9815	.01674	4.4258	.09519
#2	10.631	.14571	4.5656	.01541	.01710	2.3917	5.1183	.01603	4.4265	.09464
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7492**	**-.00108**	F **-.44709**	**.29082**	**.72867**	**.30957**
Stddev	.0069	.00048	.02333	.00025	.00287	.00204
%RSD	.18500	44.730	5.2188	.08672	.39446	.65932
#1	3.7541	-.00074	-.46359	.29065	.73070	.31101
#2	3.7443	-.00142	-.43059	.29100	.72664	.30812
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7397.0**	**81198.**	**7477.9**
Stddev	11.2	259.	31.2
%RSD	.15148	.31945	.41752
#1	7404.9	81381.	7455.8
#2	7389.0	81014.	7500.0

Sample Name: 280-48953-a-2-c Acquired: 11/15/2013 5:47:37 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00170**	**106.33**	**.09599**	**.18288**	**1.8915**	**.00459**	**-.02585**	RF **1908.0**	**.00646**	**.03715**
Stddev	.00011	.22	.00235	.00168	.0036	.00005	.00161	28.9	.00011	.00017
%RSD	6.7448	.20975	2.4480	.92047	.19226	1.1621	6.2259	1.5156	1.7414	.44490
#1	-.00162	106.49	.09432	.18407	1.8941	.00463	-.02699	1928.4	.00654	.03703
#2	-.00178	106.17	.09765	.18169	1.8889	.00455	-.02471	1887.5	.00638	.03726
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17831**	**.10929**	**104.76**	**34.082**	**.39690**	**131.11**	**2.3245**	**.11465**	**6.8346**	**.19309**
Stddev	.00006	.00066	.25	.116	.00037	.30	.0033	.00038	.0205	.00108
%RSD	.03265	.60745	.24203	.33981	.09295	.22725	.14278	.33474	.30018	.55813
#1	.17835	.10882	104.94	34.164	.39664	131.32	2.3269	.11492	6.8200	.19385
#2	.17827	.10976	104.58	34.001	.39716	130.90	2.3222	.11438	6.8491	.19233
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **5.6987**	**.05421**	**3.6443**	**.02031**	**.00818**	**1.3617**	**2.9141**	**.00853**	W **5.4767**	**.04342**
Stddev	.0222	.00034	.0264	.00305	.00692	.0350	.0749	.00006	.1133	.00461
%RSD	.38944	.63388	.72469	15.007	84.566	2.5703	2.5703	.73574	2.0686	10.626
#1	5.7144	.05397	3.6629	.02246	.01307	1.3865	2.9671	.00857	5.5568	.04016
#2	5.6830	.05446	3.6256	.01815	.00329	1.3370	2.8612	.00848	5.3965	.04668
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8811**	**.00016**	F **-.27953**	**.20139**	**.42694**	**.14458**
Stddev	.0029	.00068	.01396	.00022	.00258	.00068
%RSD	.15267	436.64	4.9945	.10822	.60403	.47258
#1	1.8831	.00064	-.28940	.20154	.42877	.14506
#2	1.8790	-.00032	-.26966	.20123	.42512	.14410
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6883.1**	**75452.**	**6866.3**
Stddev	19.0	89.	27.0
%RSD	.27671	.11762	.39319
#1	6896.6	75389.	6847.3
#2	6869.6	75515.	6885.4

Sample Name: 280-48953-a-2-cSD@5 Acquired: 11/15/2013 5:50:36 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00131**	**22.415**	**.01959**	**.04231**	**.40696**	**.00096**	**-.00547**	**451.47**	**.00161**	**.00861**
Stddev	.00043	.644	.00173	.00045	.00854	.00005	.00007	1.33	.00024	.00004
%RSD	32.780	2.8742	8.8396	1.0563	2.0995	5.3234	1.2317	.29476	15.178	.42642
#1	-.00100	21.960	.02081	.04199	.40092	.00092	-.00551	450.53	.00178	.00858
#2	-.00161	22.871	.01836	.04263	.41300	.00100	-.00542	452.42	.00144	.00864
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03974**	**.02294**	**23.596**	**7.0824**	**.08192**	**29.337**	**.51650**	**.02554**	**1.5818**	**.04450**
Stddev	.00006	.00029	.512	.0873	.00106	.141	.00180	.00019	.0349	.00024
%RSD	.15846	1.2790	2.1708	1.2324	1.2996	.48188	.34881	.75675	2.2085	.52911
#1	.03970	.02315	23.233	7.0207	.08116	29.237	.51522	.02540	1.5571	.04434
#2	.03979	.02273	23.958	7.1442	.08267	29.437	.51777	.02567	1.6065	.04467
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.1957**	**.01283**	**.72428**	**.00331**	**.00149**	**.28227**	**.60406**	**.00327**	**1.1848**	**.01067**
Stddev	.0008	.00163	.00062	.00046	.00170	.00937	.02004	.00072	.0259	.00241
%RSD	.06297	12.713	.08543	14.006	113.92	3.3179	3.3179	21.952	2.1851	22.553
#1	1.1951	.01168	.72384	.00298	.00029	.27565	.58989	.00377	1.1665	.01237
#2	1.1962	.01398	.72471	.00363	.00269	.28889	.61823	.00276	1.2031	.00897
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.40582**	**.00110**	W **-.09485**	**.04301**	**.10343**	**.03123**
Stddev	.00049	.00102	.02770	.00013	.00144	.00249
%RSD	.12160	93.367	29.202	.31035	1.3956	7.9620
#1	.40617	.00182	-.11443	.04291	.10241	.02947
#2	.40547	.00037	-.07526	.04310	.10445	.03299
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit			45.000			
Low Limit			-.05000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6764.6**	**74890.**	**6326.5**
Stddev	20.4	429.	87.5
%RSD	.30084	.57313	1.3832
#1	6779.0	75193.	6388.4
#2	6750.2	74586.	6264.6

Sample Name: 280-48953-b-2-e ms Acquired: 11/15/2013 5:52:59 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.03376**	**140.77**	**.74816**	**.83003**	**3.1901**	**.03244**	F **1.2392**	RF **1895.7**	**.06631**	**.30634**
Stddev	.00041	.35	.00039	.00258	.0103	.00028	.0071	25.4	.00006	.00070
%RSD	1.2134	.25171	.05227	.31106	.32324	.85571	.57634	1.3374	.09677	.22824
#1	.03347	140.52	.74844	.82821	3.1828	.03225	1.2341	1877.8	.06626	.30684
#2	.03405	141.02	.74789	.83186	3.1974	.03264	1.2442	1913.6	.06635	.30585
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.37445**	**.27778**	**116.06**	**74.025**	**1.0797**	**163.63**	**2.6749**	**.77066**	**40.586**	**.49412**
Stddev	.00002	.00094	.62	.348	.0049	.58	.0031	.00024	.209	.00077
%RSD	.00501	.33775	.53346	.46973	.45213	.35406	.11746	.03149	.51574	.15590
#1	.37447	.27844	115.62	73.779	1.0763	164.04	2.6727	.77084	40.734	.49357
#2	.37444	.27712	116.50	74.270	1.0832	163.22	2.6771	.77049	40.438	.49466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.193**	**.30445**	**3.6319**	**.11335**	**1.2954**	**2.9959**	**6.4112**	**1.0687**	W **5.9851**	**.65987**
Stddev	.037	.00070	.0221	.00210	.0067	.0446	.0954	.0058	.1467	.00199
%RSD	.30024	.23023	.60744	1.8500	.51435	1.4888	1.4888	.53971	2.4517	.30115
#1	12.167	.30494	3.6163	.11483	1.3001	2.9644	6.3437	1.0727	6.0888	.66128
#2	12.219	.30395	3.6475	.11186	1.2907	3.0274	6.4787	1.0646	5.8813	.65847
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.3784**	**.94334**	**1.7228**	**.55665**	**.73699**	**.44439**
Stddev	.0035	.00640	.0006	.00095	.00186	.00360
%RSD	.10331	.67816	.03243	.17005	.25257	.81005
#1	3.3809	.94787	1.7224	.55732	.73831	.44184
#2	3.3759	.93882	1.7232	.55598	.73568	.44693
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6821.1**	**74269.**	**6731.9**
Stddev	31.3	61.	39.4
%RSD	.45865	.08157	.58575
#1	6799.0	74311.	6704.0
#2	6843.2	74226.	6759.7

Sample Name: 280-48953-b-2-f msd Acquired: 11/15/2013 5:56:04 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.03906	163.44	.88520	.95571	3.8149	.03753	F 1.4554	RF 2218.3	.07755	.35033
Stddev	.00003	.29	.00122	.00105	.0036	.00013	.0063	6.0	.00008	.00128
%RSD	.08404	.17788	.13737	.10988	.09436	.33504	.43438	.26949	.10531	.36581
#1	.03909	163.65	.88606	.95645	3.8124	.03762	1.4599	2214.0	.07749	.35124
#2	.03904	163.24	.88434	.95496	3.8175	.03744	1.4509	2222.5	.07761	.34943
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Fail	Chk Pass	Chk Pass
High Limit							.10000	1000.0		
Low Limit							-.10000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.44787	.31742	134.08	87.293	1.2689	191.74	3.1038	.84806	47.253	.56496
Stddev	.00050	.00214	.03	.101	.0002	1.44	.0211	.00217	.108	.00043
%RSD	.11076	.67562	.02234	.11519	.01919	.75321	.67885	.25559	.22895	.07543
#1	.44823	.31893	134.10	87.364	1.2687	190.72	3.0889	.84960	47.176	.56526
#2	.44752	.31590	134.06	87.222	1.2691	192.76	3.1187	.84653	47.329	.56466
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W 14.212	.34640	4.3990	.14790	1.5024	3.4191	7.3170	1.1598	W 7.2302	.76173
Stddev	.036	.00217	.0047	.00057	.0038	.0198	.0424	.0019	.0121	.00403
%RSD	.25194	.62738	.10597	.38221	.25548	.57954	.57954	.16783	.16772	.52924
#1	14.238	.34793	4.3957	.14830	1.4997	3.4331	7.3469	1.1611	7.2216	.76458
#2	14.187	.34486	4.4023	.14750	1.5051	3.4051	7.2870	1.1584	7.2388	.75888
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.0217	1.0676	2.0075	.64373	.83773	.52106
Stddev	.0034	.0085	.0234	.00150	.00013	.00103
%RSD	.08465	.79669	1.1675	.23362	.01504	.19772
#1	4.0241	1.0736	2.0241	.64479	.83782	.52178
#2	4.0193	1.0616	1.9909	.64267	.83764	.52033
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	6804.6	74941.	6901.9
Stddev	27.2	49.	29.9
%RSD	.39958	.06564	.43393
#1	6785.4	74906.	6880.8
#2	6823.8	74976.	6923.1

Sample Name: 280-48953-a-2-cPDS Acquired: 11/15/2013 5:59:09 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04291**	**105.33**	**.28695**	**.27177**	**1.9668**	**.04412**	**-.02219**	RF **1902.0**	**.05084**	**.07598**
Stddev	.00070	.16	.00099	.00054	.0029	.00023	.00053	5.2	.00004	.00022
%RSD	1.6351	.14842	.34632	.19771	.14883	.51455	2.3662	.27491	.08024	.28583
#1	.04341	105.44	.28765	.27215	1.9647	.04428	-.02182	1898.3	.05082	.07613
#2	.04241	105.22	.28625	.27139	1.9689	.04396	-.02256	1905.7	.05087	.07582
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21976**	**.15447**	**103.43**	**52.593**	**.48712**	**144.80**	**2.3279**	**.15734**	**25.763**	**.23079**
Stddev	.00048	.00060	.29	.046	.00024	1.40	.0029	.00061	.083	.00064
%RSD	.21916	.38629	.28246	.08709	.04965	.97013	.12296	.38468	.32307	.27729
#1	.21942	.15489	103.23	52.626	.48694	145.79	2.3299	.15777	25.822	.23034
#2	.22010	.15405	103.64	52.561	.48729	143.81	2.3259	.15691	25.704	.23124
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.5256**	**.12384**	**3.6139**	**.10713**	**.19766**	**5.7873**	**12.385**	**.09082**	W **5.4024**	**.21876**
Stddev	.0576	.00063	.0009	.00346	.00174	.0086	.018	.00141	.0201	.00015
%RSD	.76520	.51050	.02581	3.2339	.88201	.14942	.14942	1.5515	.37247	.06694
#1	7.4849	.12429	3.6133	.10468	.19889	5.7812	12.372	.08983	5.3881	.21866
#2	7.5663	.12339	3.6146	.10958	.19642	5.7934	12.398	.09182	5.4166	.21886
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.8936**	**.13677**	**.55604**	**.24089**	**.57900**	**.18246**
Stddev	.0052	.00004	.02567	.00040	.00100	.00158
%RSD	.27563	.02734	4.6161	.16454	.17342	.86377
#1	1.8973	.13675	.57419	.24117	.57971	.18135
#2	1.8899	.13680	.53789	.24061	.57829	.18357
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6853.1**	**75604.**	**6827.3**
Stddev	21.4	134.	71.3
%RSD	.31261	.17718	1.0441
#1	6868.3	75509.	6877.7
#2	6838.0	75698.	6776.9

Sample Name: 280-48953-a-3-c Acquired: 11/15/2013 6:02:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00116**	**184.38**	**.08956**	**.43491**	**3.1631**	**.00807**	W **-.07081**	RF **1040.3**	**.01080**	**.05542**
Stddev	.00040	.64	.00361	.00159	.0070	.00006	.00208	5.0	.00019	.00001
%RSD	34.701	.34826	4.0285	.36475	.22080	.71146	2.9316	.47944	1.7915	.01026
#1	-.00087	184.83	.08700	.43603	3.1680	.00803	-.06934	1036.8	.01066	.05542
#2	-.00144	183.93	.09211	.43379	3.1581	.00811	-.07227	1043.8	.01093	.05543
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19989**	**.21793**	**158.17**	**73.579**	**.64845**	**280.66**	**5.9673**	**.01285**	**8.5065**	**.16332**
Stddev	.00097	.00132	.02	.229	.00095	1.02	.0131	.00012	.0460	.00068
%RSD	.48615	.60696	.01017	.31170	.14700	.36242	.22000	.90475	.54100	.41847
#1	.20057	.21887	158.18	73.742	.64912	281.38	5.9765	.01277	8.4740	.16381
#2	.19920	.21700	158.16	73.417	.64777	279.94	5.9580	.01294	8.5391	.16284
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.333**	**.19674**	**5.0610**	**.00900**	**.01133**	**2.1484**	**4.5977**	**.01733**	**4.0234**	**.08133**
Stddev	.014	.00068	.0038	.00189	.00040	.0199	.0425	.00043	.0083	.00093
%RSD	.11460	.34710	.07434	21.002	3.5615	.92439	.92439	2.4693	.20529	1.1403
#1	12.343	.19723	5.0583	.01034	.01104	2.1344	4.5676	.01703	4.0292	.08067
#2	12.323	.19626	5.0636	.00766	.01161	2.1625	4.6277	.01763	4.0175	.08199
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.2888**	**-.00073**	F **-.36956**	**.27182**	**.69872**	**.22616**
Stddev	.0024	.00096	.00492	.00164	.00205	.00197
%RSD	.05523	132.37	1.3311	.60380	.29330	.87250
#1	4.2904	-.00005	-.36608	.27065	.69727	.22756
#2	4.2871	-.00141	-.37304	.27298	.70017	.22477
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7297.7**	**80789.**	**7248.1**
Stddev	25.2	116.	14.9
%RSD	.34478	.14361	.20626
#1	7279.9	80707.	7237.5
#2	7315.5	80871.	7258.7

Sample Name: CCVH-2372891 Acquired: 11/15/2013 6:05:16 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00712**	**47.711**	**-.00067**	**.00307**	**.00085**	**-.00002**	W **1.0741**	**.13528**	**.00069**	**-.00104**	**.00020**	**-.00649**
Stddev	.00024	.506	.00158	.00010	.00019	.00003	.0031	.04056	.00014	.00017	.00009	.00036
%RSD	3.4175	1.0608	234.50	3.4082	22.023	142.36	.28831	29.985	20.722	15.933	44.298	5.5178
#1	-.00729	48.069	-.00179	.00299	.00098	.00000	1.0719	.16397	.00059	-.00092	.00014	-.00624
#2	-.00695	47.353	.00044	.00314	.00072	-.00004	1.0763	.10660	.00080	-.00115	.00027	-.00674
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.499**	**.17927**	**.00171**	**.07332**	**.00028**	**.00042**	**259.99**	**-.00088**	**.00435**	**-.00264**	**5.0837**	**.00022**
Stddev	.017	.01660	.00023	.00036	.00003	.00032	1.90	.00061	.00002	.00028	.0119	.00117
%RSD	.03433	9.2607	13.554	.48614	12.617	76.857	.73259	68.844	.52011	10.627	.23364	530.76
#1	49.487	.19101	.00154	.07358	.00030	.00065	261.34	-.00045	.00434	-.00284	5.0753	.00105
#2	49.511	.16753	.00187	.07307	.00025	.00019	258.64	-.00131	.00437	-.00244	5.0921	-.00061
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00556**	**-.00588**	**-.01258**	**.00022**	**.00040**	**5.1410**	**.01304**	**.00207**	F **8.2654**	**.00022**	**.00353**	**-.07717**
Stddev	.00382	.00358	.00767	.00039	.00011	.0056	.00006	.00019	.0222	.00029	.00039	.00008
%RSD	68.672	60.952	60.952	175.97	26.286	.10802	.46480	9.4116	.26858	134.07	11.034	.10468
#1	-.00825	-.00841	-.01800	-.00005	.00047	5.1371	.01300	.00193	8.2497	.00001	.00381	-.07722
#2	-.00286	-.00334	-.00716	.00050	.00033	5.1450	.01308	.00221	8.2810	.00042	.00325	-.07711
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									-10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6868.7**	**77141.**	**6355.8**
Stddev	5.5	620.	98.1
%RSD	.08001	.80431	1.5441
#1	6872.5	77580.	6286.4
#2	6864.8	76702.	6425.2

Sample Name: CCV-2372889 Acquired: 11/15/2013 6:07:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54718**	F **.55564**	**1.0573**	**.53295**	**.51395**	**.46596**	**-.00852**	**4.7031**	**.49218**	**.50910**	**.53841**	**.51074**	**2.5715**
Stddev	.00038	.00010	.0040	.00093	.00426	.00352	.00074	.0449	.00071	.00104	.00087	.00061	.0382
%RSD	.06980	.01750	.37713	.17447	.82807	.75501	8.7074	.95500	.14415	.20457	.16214	.11884	1.4855
#1	.54745	.55557	1.0601	.53361	.51094	.46348	-.00905	4.6713	.49268	.50983	.53903	.51031	2.5445
#2	.54691	.55571	1.0544	.53230	.51696	.46845	-.00800	4.7348	.49168	.50836	.53780	.51117	2.5985
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.085**	**1.0171**	**20.844**	**.50447**	**.52997**	**5.4030**	**.54213**	**1.0649**	**.98000**	**.00240**	**1.0336**	**1.0769**	**4.9954**
Stddev	.324	.0064	.022	.00064	.00024	.0873	.00031	.0038	.00097	.00265	.0041	.0059	.0091
%RSD	.64646	.62839	.10751	.12644	.04584	1.6158	.05765	.35975	.09852	110.79	.39892	.54709	.18252
#1	49.856	1.0126	20.829	.50492	.52980	5.3412	.54235	1.0622	.97931	.00427	1.0306	1.0811	4.9890
#2	50.314	1.0217	20.860	.50401	.53014	5.4647	.54190	1.0676	.98068	.00052	1.0365	1.0728	5.0019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.690**	**1.0527**	**.49773**	**.00243**	**.51335**	**1.0132**	**-.05125**	**.49140**	**.51865**	**.48663**
Stddev	.020	.0008	.00335	.00063	.00011	.0007	.00987	.00191	.00027	.00636
%RSD	.18252	.07132	.67267	25.910	.02144	.07076	19.260	.38892	.05230	1.3070
#1	10.676	1.0533	.49536	.00287	.51343	1.0137	-.04427	.49275	.51884	.48213
#2	10.704	1.0522	.50010	.00198	.51327	1.0126	-.05823	.49004	.51846	.49113
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7000.8**	**78607.**	**6224.2**
Stddev	11.3	29.	62.1
%RSD	.16166	.03751	.99700
#1	6992.8	78628.	6268.0
#2	7008.8	78586.	6180.3

Sample Name: CCB Acquired: 11/15/2013 6:09:49 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00278**	**-.00022**	**.00196**	**.00026**	**.00001**	**.00158**	**.01732**	**-.00012**	**.00005**	**.00003**	**-.00099**
Stddev	.00044	.00008	.00288	.00030	.00017	.00006	.00076	.00159	.00009	.00002	.00013	.00026
%RSD	71.158	2.9960	1330.5	15.272	64.482	509.78	47.900	9.1661	73.721	30.248	390.14	26.441
#1	-.00093	.00272	-.00225	.00217	.00037	.00005	.00212	.01844	-.00006	.00004	-.00006	-.00080
#2	-.00031	.00284	.00182	.00174	.00014	-.00003	.00105	.01620	-.00018	.00006	.00013	-.00118
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Elem	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00062**	**.16060**	W **.00361**	**.01019**	W **.00030**	**-.00001**	F **.20391**	**-.00009**	**.00085**	**-.00071**	**.00283**	W **.00408**
Stddev	.00001	.05140	.00239	.00072	.00004	.00032	.00029	.00032	.00068	.00122	.00179	.00058
%RSD	1.6562	32.005	66.169	7.0763	13.191	2733.9	.14240	364.76	79.191	173.03	63.138	14.103
#1	.00062	.12425	.00192	.01071	.00027	.00022	.20370	.00014	.00133	-.00157	.00409	.00367
#2	.00063	.19695	.00531	.00968	.00033	-.00024	.20411	-.00031	.00038	.00016	.00157	.00448
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit			.00261		.00025		.18320					.00314
Low Limit			-.00261		-.00025		-.18320					-.00314

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00247**	**.00167**	**.00357**	**-.00023**	**-.00009**	**.00552**	**.00004**	**-.00007**	**-.01857**	**.00031**	**.00371**	**-.00102**
Stddev	.00047	.01188	.02543	.00043	.00009	.00136	.00018	.00091	.02789	.00004	.00007	.00027
%RSD	18.913	712.52	712.52	185.29	103.93	24.717	408.07	1222.5	150.24	13.117	1.8498	26.322
#1	.00214	.01007	.02155	-.00054	-.00002	.00649	-.00008	.00057	-.03829	.00034	.00376	-.00083
#2	.00281	-.00674	-.01441	.00007	-.00015	.00456	.00017	-.00072	.00116	.00028	.00366	-.00121
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit												
Low Limit												

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6998.8**	**79391.**	**6175.4**
Stddev	4.0	431.	60.9
%RSD	.05755	.54247	.98678
#1	7001.6	79086.	6132.3
#2	6995.9	79695.	6218.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 6:12:10 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00967**	F **.13850**	**.01803**	**.11057**	**.01060**	**.00087**	**.12357**	**.21152**	**.00502**	**.01074**	**.01113**	**.01501**	**.10828**
Stddev	.00003	.02792	.00350	.00037	.00013	.00000	.00180	.00267	.00016	.00008	.00014	.00070	.00232
%RSD	.30865	20.158	19.410	.33050	1.2333	.46519	1.4542	1.2634	3.2153	.73278	1.2670	4.6344	2.1429
#1	.00969	.15824	.01556	.11031	.01069	.00087	.12484	.20963	.00490	.01069	.01123	.01451	.10664
#2	.00965	.11876	.02051	.11083	.01051	.00087	.12230	.21341	.00513	.01080	.01103	.01550	.10992
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.10000											
Range		30.000%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.1333**	**.01065**	**.22988**	**.01064**	**.02117**	**1.2487**	**.04596**	**3.2077**	**.00905**	**.00402**	**.01036**	**.01605**	**.48849**
Stddev	.0254	.00126	.00221	.00000	.00012	.0102	.00009	.0110	.00206	.00215	.00145	.00252	.00867
%RSD	.81104	11.792	.96023	.01819	.55845	.81960	.18635	.34202	22.804	53.409	13.963	15.695	1.7759
#1	3.1153	.01154	.22832	.01064	.02126	1.2414	.04602	3.1999	.01051	.00554	.00934	.01427	.49463
#2	3.1512	.00976	.23144	.01063	.02109	1.2559	.04590	3.2154	.00759	.00250	.01138	.01783	.48236
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0454**	**.11011**	**.01000**	**.01789**	**.01051**	**.01745**	**.07349**	**.01038**	**.02568**	**.01508**
Stddev	.0186	.00091	.00016	.00196	.00051	.00029	.03292	.00040	.00044	.00282
%RSD	1.7759	.82363	1.5602	10.963	4.8454	1.6532	44.793	3.8387	1.7149	18.727
#1	1.0585	.10947	.00989	.01650	.01087	.01724	.09677	.01010	.02537	.01308
#2	1.0322	.11075	.01011	.01928	.01015	.01765	.05022	.01066	.02599	.01708
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7144.4**	**81083.**	**6388.5**
Stddev	4.6	324.	99.3
%RSD	.06478	.39927	1.5539
#1	7147.7	81312.	6318.3
#2	7141.1	80854.	6458.7

Sample Name: 280-48953-a-4-c Acquired: 11/15/2013 6:14:32 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00224**	**223.17**	**.11562**	**.51982**	**3.2887**	**.00841**	W **-.06830**	RF **1585.7**	**.00714**	**.04953**
Stddev	.00029	.42	.00344	.00108	.0045	.00009	.00143	27.7	.00005	.00021
%RSD	13.052	.18734	2.9761	.20817	.13642	1.0870	2.0915	1.7453	.71746	.41729
#1	-.00245	223.46	.11319	.51905	3.2918	.00847	-.06729	1605.2	.00718	.04968
#2	-.00203	222.87	.11805	.52058	3.2855	.00834	-.06931	1566.1	.00711	.04938
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20676**	**.18700**	**153.03**	**58.634**	**.75022**	**180.61**	**3.3098**	**.01934**	**84.386**	**.17484**
Stddev	.00073	.00020	.65	.161	.00089	.95	.0516	.00009	.876	.00046
%RSD	.35420	.10782	.42249	.27407	.11853	.52499	1.5580	.44159	1.0380	.26484
#1	.20624	.18714	153.48	58.747	.75085	181.28	3.3463	.01940	83.767	.17451
#2	.20727	.18685	152.57	58.520	.74959	179.94	3.2733	.01928	85.005	.17517
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **7.2238**	**.13034**	**34.749**	**.01534**	**.01062**	**2.2949**	**4.9110**	**.01889**	W **5.6959**	**.08133**
Stddev	.0828	.00237	.058	.00124	.00010	.0244	.0522	.00106	.0417	.00064
%RSD	1.1463	1.8197	.16739	8.0851	.93371	1.0636	1.0636	5.6085	.73127	.79287
#1	7.1652	.13202	34.790	.01446	.01055	2.2776	4.8741	.01814	5.6665	.08087
#2	7.2823	.12866	34.707	.01622	.01069	2.3121	4.9480	.01964	5.7254	.08179
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.5571**	**.00050**	F **-.32255**	**.35519**	**.62580**	**.29975**
Stddev	.0067	.00013	.06812	.00132	.00099	.00262
%RSD	.14812	26.883	21.120	.37175	.15759	.87560
#1	4.5619	.00040	-.27438	.35612	.62650	.30160
#2	4.5523	.00059	-.37072	.35426	.62510	.29789
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7122.4**	**77670.**	**7116.6**
Stddev	5.5	509.	35.6
%RSD	.07785	.65583	.50056
#1	7126.3	77310.	7091.4
#2	7118.5	78031.	7141.8

Sample Name: 280-48953-a-5-c Acquired: 11/15/2013 6:17:40 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**188.35**	**.09718**	**.42365**	**3.1461**	**.00831**	W **-.07166**	RF **1111.4**	**.01084**	**.05893**
Stddev	.00055	.40	.00338	.00317	.0097	.00007	.00070	7.0	.00016	.00053
%RSD	48.136	.21049	3.4813	.74931	.30964	.81157	.97733	.62734	1.4526	.89142
#1	-.00076	188.63	.09479	.42140	3.1529	.00836	-.07117	1116.3	.01073	.05856
#2	-.00154	188.07	.09957	.42589	3.1392	.00826	-.07216	1106.5	.01095	.05930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.20262**	**.23743**	**163.83**	**76.765**	**.65480**	**288.23**	**6.1866**	**.00798**	**8.0825**	**.17179**
Stddev	.00139	.00019	.47	.190	.00251	2.12	.0413	.00005	.0321	.00136
%RSD	.68822	.08112	.28906	.24801	.38287	.73672	.66673	.62834	.39649	.79289
#1	.20163	.23729	164.17	76.900	.65657	289.73	6.2157	.00801	8.1052	.17083
#2	.20361	.23756	163.50	76.630	.65303	286.73	6.1574	.00794	8.0599	.17275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **13.072**	**.20539**	**5.3618**	**.01009**	**.00916**	**2.2911**	**4.9029**	**.01530**	**4.1560**	**.08135**
Stddev	.011	.00208	.0522	.00060	.00304	.0166	.0355	.00055	.0432	.00008
%RSD	.08756	1.0123	.97428	5.9469	33.164	.72448	.72448	3.6084	1.0389	.09942
#1	13.064	.20392	5.3248	.00967	.00701	2.3028	4.9280	.01491	4.1255	.08141
#2	13.081	.20686	5.3987	.01051	.01131	2.2793	4.8777	.01570	4.1865	.08129
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0525**	**-.00207**	F **-.35188**	**.27419**	**.74342**	**.23183**
Stddev	.0092	.00100	.03289	.00097	.00116	.00365
%RSD	.22600	48.152	9.3476	.35527	.15636	1.5752
#1	4.0461	-.00278	-.32862	.27350	.74424	.23441
#2	4.0590	-.00137	-.37513	.27488	.74259	.22925
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7322.1**	**81021.**	**7281.2**
Stddev	3.3	151.	9.6
%RSD	.04458	.18639	.13117
#1	7324.4	80914.	7274.4
#2	7319.8	81127.	7287.9

Sample Name: 280-48953-a-6-c Acquired: 11/15/2013 6:20:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00124**	**181.50**	**.08643**	**.40341**	**3.0335**	**.00791**	W **-.07097**	RF **1058.3**	**.00991**	**.05533**
Stddev	.00049	1.92	.00146	.00295	.0218	.00006	.00136	17.5	.00025	.00027
%RSD	39.871	1.0599	1.6861	.73247	.71796	.74239	1.9138	1.6561	2.5249	.48049
#1	-.00159	180.14	.08540	.40132	3.0181	.00787	-.07001	1045.9	.01009	.05514
#2	-.00089	182.86	.08747	.40550	3.0489	.00795	-.07193	1070.7	.00974	.05552
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19237**	**.21526**	**155.89**	**73.435**	**.63259**	**269.66**	**5.9638**	**.01767**	**8.1443**	**.15945**
Stddev	.00141	.00127	.87	.557	.00082	.24	.0193	.00041	.0853	.00087
%RSD	.73425	.59024	.55960	.75817	.13002	.08898	.32411	2.3059	1.0474	.54585
#1	.19137	.21616	155.27	73.042	.63201	269.49	5.9501	.01738	8.0840	.15883
#2	.19337	.21436	156.51	73.829	.63318	269.83	5.9774	.01796	8.2046	.16007
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.997**	**.18183**	**4.6807**	**.00773**	**.00820**	**2.2363**	**4.7857**	**.01499**	**3.8748**	**.07963**
Stddev	.039	.00259	.0224	.00241	.00163	.0221	.0474	.00022	.0289	.00132
%RSD	.32433	1.4251	.47865	31.205	19.890	.99009	.99009	1.4604	.74620	1.6626
#1	11.970	.18000	4.6649	.00943	.00935	2.2206	4.7522	.01484	3.8544	.07870
#2	12.025	.18366	4.6965	.00602	.00705	2.2520	4.8192	.01515	3.8953	.08057
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9684**	**-.00220**	F **-.32711**	**.26459**	**.68788**	**.21446**
Stddev	.0034	.00059	.00653	.00054	.00081	.00271
%RSD	.08638	26.805	1.9972	.20499	.11801	1.2637
#1	3.9708	-.00261	-.32249	.26497	.68845	.21255
#2	3.9660	-.00178	-.33173	.26421	.68730	.21638
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7292.1**	**80607.**	**7251.8**
Stddev	34.4	148.	44.0
%RSD	.47146	.18335	.60658
#1	7316.4	80712.	7282.9
#2	7267.8	80503.	7220.7

Sample Name: 280-48953-a-7-c Acquired: 11/15/2013 6:23:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00100**	**210.15**	**.09418**	**.49384**	**3.4104**	**.00890**	W **-.08584**	RF **1110.7**	**.01113**	**.06014**
Stddev	.00010	1.05	.00142	.00007	.0059	.00006	.00146	9.7	.00009	.00007
%RSD	9.6224	.50056	1.5119	.01428	.17208	.68901	1.7030	.87071	.79485	.12116
#1	-.00107	210.89	.09318	.49389	3.4145	.00894	-.08480	1117.5	.01107	.06009
#2	-.00093	209.41	.09519	.49379	3.4062	.00885	-.08687	1103.9	.01120	.06019
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22390**	**.24323**	**173.61**	**85.596**	**.71478**	**307.70**	**6.5615**	**.00804**	**10.479**	**11.296**
Stddev	.00023	.00042	.10	.123	.00108	.30	.0245	.00019	.013	.055
%RSD	.10429	.17364	.05499	.14391	.15128	.09896	.37359	2.3418	.12678	.48843
#1	.22373	.24293	173.68	85.683	.71554	307.92	6.5789	.00817	10.488	11.335
#2	.22406	.24353	173.54	85.509	.71401	307.49	6.5442	.00791	10.469	11.257
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.17646**	W **13.561**	**.20993**	**5.5080**	**.00791**	**.01125**	**2.8620**	**6.1247**	**.01671**	**4.3624**
Stddev	.00014	.022	.00049	.0256	.00076	.00077	.0146	.0313	.00096	.0537
%RSD	.07704	.16508	.23226	.46383	9.6455	6.8764	.51067	.51067	5.7181	1.2313
#1	.17655	13.577	.20959	5.4899	.00737	.01180	2.8517	6.1026	.01738	4.4004
#2	.17636	13.545	.21027	5.5260	.00845	.01071	2.8724	6.1469	.01603	4.3244
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09197**	**4.9617**	**-.00265**	F **-.39690**	**.30749**	**.76991**	**.23945**
Stddev	.00150	.0013	.00077	.00701	.00131	.00279	.00136
%RSD	1.6282	.02677	29.063	1.7673	.42756	.36284	.57001
#1	.09303	4.9626	-.00211	-.39194	.30656	.77188	.23849
#2	.09091	4.9607	-.00320	-.40186	.30842	.76793	.24042
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7307.9**	**80558.**	**7257.3**
Stddev	.4	134.	15.6
%RSD	.00596	.16662	.21527
#1	7307.6	80653.	7246.3
#2	7308.2	80463.	7268.4

Sample Name: 280-48953-a-8-c Acquired: 11/15/2013 6:27:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**213.42**	**.10453**	**.48910**	**3.6680**	**.00943**	W **-.07864**	RF **1098.9**	**.01112**	**.06596**
Stddev	.00052	.34	.00649	.00213	.0029	.00007	.00104	27.1	.00006	.00001
%RSD	34.772	.15779	6.2090	.43600	.07886	.76040	1.3264	2.4654	.58356	.02235
#1	-.00188	213.66	.10912	.49061	3.6660	.00948	-.07790	1118.1	.01116	.06597
#2	-.00114	213.18	.09994	.48759	3.6701	.00938	-.07938	1079.8	.01107	.06594
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Na8183
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	818.326 { 41}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.22351**	**.24953**	**184.19**	**86.604**	**.78697**	**341.60**	**7.1749**	**.00784**	**10.042**	W **10.867**
Stddev	.00034	.00103	.19	.109	.00081	.21	.0426	.00009	.001	.184
%RSD	.15215	.41452	.10059	.12598	.10350	.06006	.59425	1.1759	.01289	1.6894
#1	.22375	.24880	184.32	86.681	.78639	341.74	7.2050	.00791	10.041	10.738
#2	.22327	.25026	184.06	86.527	.78755	341.45	7.1447	.00778	10.043	10.997
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit										500.00
Low Limit										11.000

Elem	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077
Line	231.604 {446}	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18578**	W **13.690**	**.20862**	**5.2995**	**.00850**	**.00997**	**3.0939**	**6.6209**	**.01622**	**4.7238**
Stddev	.00015	.029	.00118	.0203	.00021	.00453	.0626	.1339	.00044	.0092
%RSD	.08001	.21513	.56338	.38210	2.4311	45.440	2.0224	2.0224	2.6844	.19524
#1	.18568	13.669	.20779	5.3139	.00865	.01318	3.0496	6.5262	.01591	4.7303
#2	.18589	13.711	.20945	5.2852	.00835	.00677	3.1381	6.7156	.01652	4.7173
Check ?	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit		2.0000								
Low Limit		-1.0000								

Elem	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	283.730 {119}	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.09333**	**4.3790**	**-.00313**	F **-.38342**	**.30261**	**.78669**	**.26110**
Stddev	.00218	.0042	.00110	.11239	.00186	.00210	.00005
%RSD	2.3401	.09552	35.035	29.314	.61580	.26731	.01779
#1	.09487	4.3819	-.00390	-.46289	.30393	.78818	.26106
#2	.09178	4.3760	-.00235	-.30394	.30129	.78520	.26113
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit				50.000			
Low Limit				-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7359.8**	**81364.**	**7327.3**
Stddev	13.7	34.	55.3
%RSD	.18675	.04176	.75404
#1	7369.6	81340.	7288.3
#2	7350.1	81388.	7366.4

Sample Name: 280-48953-a-9-c Acquired: 11/15/2013 6:30:11 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00103**	**174.55**	**.08999**	**.38292**	**2.7713**	**.00766**	W **-.06547**	W **991.01**	**.00871**	**.05501**
Stddev	.00002	.15	.00254	.00145	.0136	.00008	.00196	10.29	.00020	.00002
%RSD	1.7709	.08824	2.8239	.37785	.48876	1.0151	2.9879	1.0383	2.3380	.03586
#1	-.00105	174.66	.08820	.38395	2.7809	.00772	-.06686	983.74	.00856	.05500
#2	-.00102	174.44	.09179	.38190	2.7617	.00761	-.06409	998.29	.00885	.05503
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Pass
High Limit							.05000	500.00		
Low Limit							-.05000	-.05000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.18940**	**.19706**	**151.84**	**69.641**	**.60092**	**256.08**	**5.3981**	**.01566**	**8.7464**	**.15942**
Stddev	.00005	.00115	.34	.191	.00633	2.29	.0070	.00007	.0003	.00020
%RSD	.02693	.58143	.22689	.27389	1.0534	.89455	.12973	.45375	.00295	.12820
#1	.18943	.19625	152.08	69.776	.60540	254.46	5.3932	.01571	8.7466	.15928
#2	.18936	.19787	151.59	69.506	.59644	257.70	5.4031	.01561	8.7462	.15957
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **10.544**	**.16207**	**4.2789**	**.00932**	**.00659**	**2.3511**	**5.0314**	**.01416**	**3.6862**	**.07480**
Stddev	.043	.00174	.0049	.00198	.00080	.0276	.0591	.00009	.0222	.00042
%RSD	.40591	1.0765	.11352	21.306	12.215	1.1739	1.1739	.62047	.60290	.56441
#1	10.575	.16084	4.2824	.00791	.00602	2.3707	5.0732	.01410	3.7020	.07450
#2	10.514	.16330	4.2755	.01072	.00715	2.3316	4.9897	.01423	3.6705	.07510
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7559**	**-.00229**	F **-.35443**	**.25834**	**.64507**	**.21046**
Stddev	.0257	.00178	.06867	.00174	.00597	.00003
%RSD	.68324	77.858	19.376	.67269	.92503	.01192
#1	3.7377	-.00103	-.40299	.25711	.64085	.21048
#2	3.7740	-.00355	-.30587	.25957	.64929	.21045
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7261.3**	**80332.**	**7160.9**
Stddev	32.4	382.	46.5
%RSD	.44612	.47513	.64902
#1	7238.4	80602.	7193.8
#2	7284.2	80062.	7128.0

Sample Name: 280-48953-a-10-c Acquired: 11/15/2013 6:32:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00090**	**179.93**	**.09643**	**.41288**	**2.8455**	**.00669**	W **-.06221**	RF **1417.7**	**.01290**	**.04607**
Stddev	.00026	.66	.00268	.00052	.0026	.00013	.00344	16.7	.00025	.00029
%RSD	28.868	.36429	2.7785	.12562	.09018	1.9988	5.5313	1.1801	1.9052	.61995
#1	.00109	180.39	.09453	.41252	2.8437	.00679	-.05978	1429.5	.01273	.04587
#2	.00072	179.46	.09832	.41325	2.8473	.00660	-.06464	1405.9	.01307	.04628
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.26736**	**.43017**	**137.29**	**66.507**	**.58713**	**244.93**	**4.9439**	**.05391**	**12.984**	**.19762**
Stddev	.00067	.00036	1.15	.152	.00041	.93	.0042	.00042	.035	.00025
%RSD	.24939	.08264	.83466	.22908	.06898	.38087	.08518	.77932	.26647	.12834
#1	.26689	.42992	136.48	66.615	.58685	244.27	4.9410	.05362	12.959	.19744
#2	.26783	.43042	138.10	66.399	.58742	245.59	4.9469	.05421	13.008	.19780
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.724**	**.20124**	**5.7685**	**.01360**	**.01288**	**2.1694**	**4.6425**	**.01835**	**4.5268**	**.06763**
Stddev	.015	.00020	.0107	.00051	.00725	.0112	.0240	.00056	.0031	.00255
%RSD	.11905	.10145	.18483	3.7618	56.295	.51719	.51719	3.0710	.06744	3.7757
#1	12.714	.20139	5.7609	.01397	.01800	2.1773	4.6594	.01875	4.5290	.06944
#2	12.735	.20110	5.7760	.01324	.00775	2.1614	4.6255	.01795	4.5247	.06582
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**4.0655**	**-.00265**	F **-.33124**	**.26110**	**.81743**	**.17023**
Stddev	.0104	.00005	.06913	.00118	.00358	.00132
%RSD	.25703	1.9494	20.871	.45229	.43751	.77739
#1	4.0729	-.00262	-.38012	.26027	.81996	.17116
#2	4.0582	-.00269	-.28235	.26194	.81490	.16929
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7097.4**	**78401.**	**7135.0**
Stddev	17.3	330.	57.6
%RSD	.24417	.42112	.80709
#1	7109.6	78168.	7094.2
#2	7085.1	78634.	7175.7

Sample Name: 280-48953-a-11-c Acquired: 11/15/2013 6:35:48 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00125**	**132.10**	**.10096**	**.24501**	**2.3054**	**.00372**	**-.03281**	RF **2127.6**	**.00859**	**.02832**
Stddev	.00052	.40	.00082	.00004	.0069	.00000	.00292	19.9	.00015	.00008
%RSD	41.229	.30436	.80870	.01649	.29948	.08084	8.9092	.93471	1.6956	.28393
#1	.00162	131.82	.10154	.24498	2.3005	.00371	-.03487	2113.6	.00849	.02827
#2	.00089	132.39	.10038	.24503	2.3103	.00372	-.03074	2141.7	.00869	.02838
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1000.0		
Low Limit								-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.25996**	**.24371**	**83.986**	**34.980**	**.38539**	**153.54**	**2.3476**	**.09487**	**14.077**	**.17495**
Stddev	.00068	.00127	.013	.175	.00003	.25	.0009	.00012	.247	.00005
%RSD	.26107	.52061	.01504	.50026	.00860	.16239	.03821	.12657	1.7533	.02763
#1	.25949	.24461	83.977	34.856	.38536	153.37	2.3482	.09479	13.902	.17498
#2	.26044	.24281	83.995	35.104	.38541	153.72	2.3469	.09496	14.251	.17491
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **8.4239**	**.16178**	**7.7898**	**.02538**	**.01322**	**2.7984**	**5.9885**	**.08366**	W **5.4326**	**.03914**
Stddev	.0123	.00100	.0229	.00001	.00256	.0232	.0497	.00094	.0703	.00074
%RSD	.14620	.61649	.29357	.04203	19.355	.82929	.82929	1.1180	1.2941	1.8927
#1	8.4152	.16248	7.8060	.02538	.01503	2.7820	5.9534	.08433	5.3829	.03862
#2	8.4326	.16107	7.7736	.02537	.01141	2.8148	6.0236	.08300	5.4823	.03967
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit	2.0000								5.0000	
Low Limit	-1.0000								-.01000	

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**2.6372**	**.00046**	F **-.21705**	**.22677**	**.63165**	**.14035**
Stddev	.0068	.00057	.01507	.00017	.00079	.00150
%RSD	.25648	123.78	6.9453	.07349	.12577	1.0661
#1	2.6420	.00086	-.20639	.22665	.63221	.14141
#2	2.6324	.00006	-.22771	.22688	.63109	.13930
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6837.0**	**75264.**	**6823.0**
Stddev	24.6	21.	103.0
%RSD	.36054	.02855	1.5094
#1	6854.4	75249.	6895.8
#2	6819.5	75279.	6750.2

Sample Name: 280-48953-a-12-c Acquired: 11/15/2013 6:38:53 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00001**	**178.15**	**.09278**	**.39865**	**2.9343**	**.00663**	W **-.06224**	RF **1410.7**	**.01358**	**.04506**
Stddev	.00049	.62	.00273	.00023	.0091	.00003	.00036	.7	.00011	.00013
%RSD	4773.8	.34873	2.9440	.05705	.31021	.50889	.57766	.04855	.84400	.29137
#1	-.00034	178.59	.09084	.39849	2.9408	.00666	-.06198	1411.2	.01349	.04515
#2	.00036	177.71	.09471	.39881	2.9279	.00661	-.06249	1410.2	.01366	.04497
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.27778**	**.39028**	**137.51**	**67.002**	**.58265**	**244.87**	**4.9067**	**.08803**	**15.616**	**.20468**
Stddev	.00048	.00010	.13	.162	.00359	1.10	.0139	.00018	.193	.00022
%RSD	.17152	.02495	.09632	.24131	.61659	.45051	.28292	.20301	1.2380	.10648
#1	.27745	.39035	137.60	67.117	.58519	245.65	4.8969	.08790	15.752	.20483
#2	.27812	.39021	137.41	66.888	.58011	244.09	4.9165	.08816	15.479	.20452
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **12.419**	**.17656**	**6.9250**	**.01234**	**.00905**	**2.2750**	**4.8686**	**.02027**	**4.4560**	**.06646**
Stddev	.003	.00250	.0210	.00031	.00443	.0127	.0272	.00033	.0308	.00006
%RSD	.02376	1.4187	.30356	2.5213	48.989	.55789	.55789	1.6048	.69218	.08491
#1	12.417	.17479	6.9102	.01212	.00591	2.2661	4.8494	.02050	4.4779	.06650
#2	12.421	.17833	6.9399	.01256	.01218	2.2840	4.8878	.02004	4.4342	.06642
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.9583**	**-.00102**	F **-.30170**	**.26586**	**.85779**	**.17511**
Stddev	.0039	.00222	.02115	.00004	.00138	.00316
%RSD	.09753	217.36	7.0107	.01689	.16037	1.8033
#1	3.9610	-.00260	-.31665	.26589	.85877	.17287
#2	3.9556	.00055	-.28674	.26583	.85682	.17734
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7104.6**	**78225.**	**7000.0**
Stddev	9.0	13.	56.7
%RSD	.12688	.01651	.81005
#1	7111.0	78234.	6959.9
#2	7098.2	78216.	7040.1

Sample Name: 280-48953-a-13-c Acquired: 11/15/2013 6:42:00 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200652 SOIL 6010B Q4

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	309.271 {109}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00077**	**176.05**	**.08506**	**.41461**	**2.9131**	**.00748**	W **-.06723**	RF **1061.7**	**.00966**	**.05497**
Stddev	.00010	.48	.00454	.00040	.0110	.00001	.00330	3.1	.00002	.00076
%RSD	13.147	.27269	5.3410	.09714	.37855	.19788	4.9142	.29584	.23133	1.3798
#1	-.00070	175.71	.08185	.41489	2.9053	.00747	-.06490	1063.9	.00964	.05443
#2	-.00084	176.39	.08827	.41432	2.9209	.00749	-.06957	1059.4	.00967	.05550
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Fail	Chk Pass	Chk Pass
High Limit							.05000	1000.0		
Low Limit							-.05000	-.10000		

Elem	Cr2055	Cu3247	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	271.441 {124}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.19169**	**.20555**	**150.73**	**73.105**	**.63022**	**277.70**	**5.8736**	**.00657**	**8.6070**	**.15992**
Stddev	.00034	.00186	1.46	.310	.00463	.05	.0064	.00009	.0464	.00022
%RSD	.17505	.90339	.96834	.42350	.73450	.01792	.10866	1.3318	.53855	.14052
#1	.19146	.20424	149.70	72.886	.62695	277.67	5.8781	.00663	8.5742	.16008
#2	.19193	.20687	151.76	73.324	.63350	277.74	5.8691	.00650	8.6398	.15976
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.513**	**.16754**	**4.4805**	**.00819**	**.00970**	**2.0910**	**4.4748**	**.01442**	**3.9287**	**.07776**
Stddev	.004	.00236	.0107	.00207	.00236	.0364	.0779	.00084	.0134	.00008
%RSD	.03197	1.4067	.23759	25.220	24.290	1.7417	1.7417	5.8285	.33978	.10227
#1	11.515	.16587	4.4730	.00673	.01137	2.0653	4.4197	.01382	3.9193	.07771
#2	11.510	.16921	4.4881	.00965	.00804	2.1168	4.5299	.01501	3.9382	.07782
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.7398**	**-.00228**	F **-.32988**	**.25785**	**.67209**	**.20552**
Stddev	.0109	.00101	.03322	.00223	.00074	.00121
%RSD	.29184	44.402	10.072	.86623	.11038	.58901
#1	3.7321	-.00300	-.30639	.25627	.67262	.20638
#2	3.7475	-.00156	-.35337	.25943	.67157	.20466
Check ?	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit			50.000			
Low Limit			-.10000			

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7240.7**	**80038.**	**7103.3**
Stddev	5.2	30.	39.4
%RSD	.07219	.03705	.55478
#1	7237.0	80017.	7131.2
#2	7244.4	80059.	7075.5

Sample Name: CCVH-2372891 Acquired: 11/15/2013 6:45:05 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00855**	**47.061**	**-.00227**	**.00287**	**.00182**	**-.00001**	W **1.0884**	**.56692**	**.00106**	**-.00111**	**.00025**	**-.00865**
Stddev	.00097	.177	.00099	.00005	.00008	.00002	.0060	.02739	.00009	.00001	.00018	.00018
%RSD	11.383	.37700	43.621	1.6903	4.2622	171.75	.54841	4.8308	8.7299	.49717	69.699	2.0651
#1	-.00786	46.935	-.00157	.00290	.00187	.00000	1.0841	.58628	.00112	-.00112	.00013	-.00878
#2	-.00923	47.186	-.00297	.00283	.00176	-.00002	1.0926	.54755	.00099	-.00111	.00038	-.00853
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.280**	**.24350**	**.00138**	**.11369**	**.00099**	**.00091**	**260.39**	**-.00070**	**.00446**	**-.00414**	**5.1250**	**.00230**
Stddev	.097	.04456	.00167	.04271	.00112	.00004	.95	.00023	.00166	.00098	.0035	.00007
%RSD	.19754	18.302	121.39	37.564	112.97	4.1269	.36488	33.300	37.165	23.639	.06790	3.0630
#1	49.349	.21199	.00256	.14389	.00179	.00088	259.71	-.00086	.00329	-.00345	5.1225	.00225
#2	49.211	.27501	.00020	.08349	.00020	.00094	261.06	-.00054	.00563	-.00484	5.1275	.00235
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00830**	**-.01024**	**-.02192**	**-.00027**	**.00184**	**5.0803**	**.01522**	**.00258**	F **12.373**	**.00210**	**.00179**	**-.07592**
Stddev	.00270	.00755	.01616	.00000	.00015	.0046	.00004	.00039	.211	.00040	.00014	.00035
%RSD	32.549	73.737	73.737	.77037	8.2089	.08971	.23224	15.222	1.7022	19.023	8.0966	.46249
#1	-.00639	-.00490	-.01049	-.00027	.00195	5.0835	.01519	.00230	12.224	.00182	.00189	-.07616
#2	-.01020	-.01558	-.03335	-.00027	.00173	5.0771	.01524	.00285	12.522	.00239	.00169	-.07567
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6916.1**	**77369.**	**6220.8**
Stddev	14.1	71.	18.7
%RSD	.20408	.09181	.30103
#1	6906.1	77319.	6234.0
#2	6926.1	77419.	6207.6

Sample Name: CCV-2372889 Acquired: 11/15/2013 6:47:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54707**	F **.56938**	**1.0441**	**.53650**	**.52052**	**.46677**	**-.00994**	**4.7352**	**.48971**	**.51002**	**.54331**	**.51359**	**2.5829**
Stddev	.00469	.00588	.0034	.00375	.00058	.00050	.00002	.0227	.00012	.00047	.00117	.00202	.0033
%RSD	.85763	1.0321	.32277	.69882	.11197	.10645	.20672	.47933	.02503	.09265	.21462	.39414	.12838
#1	.54376	.56523	1.0417	.53385	.52011	.46712	-.00993	4.7192	.48979	.50968	.54249	.51216	2.5852
#2	.55039	.57354	1.0465	.53915	.52093	.46642	-.00996	4.7513	.48962	.51035	.54414	.51503	2.5805
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.414**	**1.0283**	**20.692**	**.50426**	**.53140**	**5.3870**	**.54657**	**1.0678**	**.96037**	**.00304**	**1.0347**	**1.0710**	**4.9597**
Stddev	.025	.0021	.059	.00187	.00085	.0191	.00059	.0032	.00241	.00100	.0043	.0015	.0375
%RSD	.04895	.20748	.28403	.36991	.15965	.35508	.10733	.29517	.25116	32.879	.41060	.14446	.75649
#1	50.396	1.0268	20.651	.50294	.53200	5.4006	.54616	1.0700	.96207	.00234	1.0377	1.0721	4.9332
#2	50.431	1.0298	20.734	.50558	.53080	5.3735	.54699	1.0655	.95866	.00375	1.0317	1.0699	4.9863
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.614**	**1.0440**	**.50325**	**.00525**	**.51268**	**1.0051**	**-.05009**	**.49448**	**.51453**	**.49164**
Stddev	.080	.0023	.00098	.00155	.00170	.0035	.04515	.00022	.00030	.00044
%RSD	.75649	.22307	.19382	29.563	.33188	.34752	90.141	.04512	.05746	.09048
#1	10.557	1.0457	.50394	.00635	.51148	1.0075	-.08202	.49464	.51474	.49133
#2	10.671	1.0424	.50257	.00415	.51388	1.0026	-.01816	.49433	.51432	.49196
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6917.7**	**78295.**	**6172.5**
Stddev	1.4	101.	.6
%RSD	.01960	.12953	.00916
#1	6916.7	78224.	6172.9
#2	6918.6	78367.	6172.1

Sample Name: CCB Acquired: 11/15/2013 6:49:39 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00094**	**.00660**	**.00049**	**.00244**	W **.00112**	**.00015**	**.00242**	F **.33256**	**-.00008**	**-.00022**	**-.00002**
Stddev	.00070	.00101	.00076	.00079	.00007	.00000	.00091	.01363	.00015	.00001	.00018
%RSD	74.065	15.285	155.91	32.586	6.3961	.11949	37.636	4.0976	191.34	3.7857	973.83
#1	-.00045	.00732	.00103	.00300	.00117	.00015	.00178	.34219	.00003	-.00022	-.00014
#2	-.00143	.00589	-.00005	.00188	.00107	.00015	.00306	.32292	-.00019	-.00021	.00011
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093				.00058			.06900			
Low Limit	-.00093				-.00058			-.06900			

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00068**	F **.03635**	**.20696**	**.00030**	W **.01982**	W **.00042**	**.00007**	F **.20885**	**-.00028**	**.00005**	**.00026**
Stddev	.00084	.00113	.06198	.00177	.01088	.00027	.00001	.00010	.00003	.00052	.00104
%RSD	123.82	3.1202	29.951	589.63	54.885	64.328	15.631	.04692	12.459	984.91	402.52
#1	-.00008	.03715	.25079	-.00095	.02751	.00061	.00007	.20892	-.00030	-.00032	.00099
#2	-.00127	.03555	.16313	.00156	.01213	.00023	.00006	.20878	-.00025	.00042	-.00048
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit		.03000			.01070	.00025		.18320			
Low Limit		-.03000			-.01070	-.00025		-.18320			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00071**	**.00222**	**.00003**	**.00962**	**.02058**	**-.00065**	F **.00109**	**.00107**	**.00010**	**.00122**	**.01518**
Stddev	.00043	.00105	.00206	.00120	.00257	.00024	.00003	.00183	.00022	.00108	.01855
%RSD	60.793	47.455	6373.2	12.477	12.477	37.344	2.6461	171.39	224.66	88.857	122.21
#1	.00102	.00148	-.00142	.00877	.01877	-.00082	.00107	.00237	.00025	.00199	.00206
#2	.00041	.00296	.00149	.01047	.02240	-.00048	.00111	-.00023	-.00006	.00045	.02829
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit							.00050				
Low Limit							-.00050				

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00020**	**.00381**	**-.00008**
Stddev	.00032	.00047	.00051
%RSD	156.95	12.396	605.67
#1	.00002	.00414	.00028
#2	-.00043	.00347	-.00045
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6965.3**	**78408.**	**6117.3**
Stddev	1.1	1049.	19.5
%RSD	.01592	1.3378	.31889
#1	6966.1	79150.	6131.1
#2	6964.5	77667.	6103.5

Sample Name: CCVL2379751 Acquired: 11/15/2013 6:52:00 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00976**	**.12489**	**.01307**	**.10642**	**.01028**	**.00089**	**.11546**	**.25501**	**.00489**	**.01035**	**.01095**	**.01462**	**.10705**	**2.9749**
Stddev	.00008	.00029	.00005	.00047	.00013	.00005	.00108	.00359	.00003	.00010	.00009	.00013	.00081	.0544
%RSD	.79405	.22833	.41525	.44418	1.2720	5.1899	.93708	1.4062	.69931	.98474	.79043	.91464	.75447	1.8289
#1	.00982	.12469	.01303	.10675	.01038	.00086	.11622	.25247	.00486	.01042	.01089	.01453	.10648	2.9365
#2	.00971	.12509	.01311	.10608	.01019	.00093	.11469	.25754	.00491	.01028	.01102	.01471	.10763	3.0134
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00936**	**.22319**	**.01061**	**.02069**	**1.2022**	**.04439**	**3.0709**	**.00966**	**.00298**	**.00918**	**.01645**	**.49293**	**1.0549**	**.10587**
Stddev	.00010	.00135	.00002	.00013	.0039	.00014	.0027	.00131	.00072	.00207	.00280	.02965	.0635	.00079
%RSD	1.0540	.60500	.14588	.62418	.32243	.32544	.08971	13.566	24.224	22.516	17.040	6.0146	6.0146	.74481
#1	.00929	.22223	.01060	.02060	1.1995	.04429	3.0690	.01059	.00247	.00772	.01843	.47197	1.0100	.10643
#2	.00943	.22414	.01062	.02078	1.2049	.04449	3.0729	.00873	.00348	.01064	.01447	.51390	1.0997	.10532
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00991**	**.01805**	**.01043**	**.01564**	**.06157**	**.00954**	**.02448**	**.01273**
Stddev	.00026	.00085	.00006	.00134	.00241	.00083	.00018	.00095
%RSD	2.6711	4.7217	.58473	8.5882	3.9180	8.6529	.75253	7.4785
#1	.00972	.01745	.01039	.01659	.05986	.01012	.02435	.01341
#2	.01009	.01866	.01048	.01469	.06327	.00896	.02461	.01206
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**6982.2**	**80223.**	**6296.6**
Stddev	10.9	547.	45.1
%RSD	.15550	.68196	.71639
#1	6989.9	80610.	6328.5
#2	6974.5	79836.	6264.7

Sample Name: mb 280-200879/1-a Acquired: 11/15/2013 6:54:23 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **-.00096**	W **.02650**	**-.00174**	**.00178**	**.00066**	**.00000**	**.00192**	F **.21323**	**-.00002**	**-.00028**
Stddev	.00040	.00117	.00092	.00080	.00000	.00007	.00136	.00278	.00007	.00005
%RSD	41.947	4.4156	53.180	45.073	.18272	12451.	70.395	1.3053	325.89	16.769
#1	-.00067	.02732	-.00239	.00234	.00066	-.00005	.00097	.21520	-.00007	-.00031
#2	-.00124	.02567	-.00108	.00121	.00066	.00005	.00288	.21126	.00003	-.00024
Check ?	Chk Fail	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit	.01000	.01647						.20000		
Low Limit	-.00010	-.05000						-.20000		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00005**	**-.00017**	W **.03016**	**.07022**	**.00226**	W **.03917**	W **.00088**	**-.00018**	W **.15530**	**.00093**
Stddev	.00008	.00029	.00250	.01759	.00005	.00151	.00002	.00010	.01606	.00054
%RSD	155.70	166.35	8.3008	25.055	2.4068	3.8494	2.2064	59.156	10.341	57.958
#1	.00010	-.00037	.03193	.05778	.00230	.04024	.00089	-.00025	.14394	.00132
#2	.00000	.00003	.02839	.08266	.00222	.03810	.00086	-.00010	.16665	.00055
Check ?	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Warn	Chk Warn	Chk Pass	Chk Warn	Chk Pass
High Limit			.01710			.01504	.00023		.05054	
Low Limit			-.05000			-.05000	-.00500		-.50000	

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00159**	**.00069**	**.00482**	**.00133**	**-.00348**	**-.00003**	**-.00006**	**-.00066**	**.00050**	W **.00261**
Stddev	.00063	.00038	.00086	.00022	.00273	.00545	.01166	.00001	.00015	.00172
%RSD	39.432	55.410	17.880	16.194	78.257	18311.	18311.	1.3101	30.323	65.943
#1	.00115	.00096	.00543	.00118	-.00156	-.00388	-.00831	-.00065	.00039	.00139
#2	.00203	.00042	.00421	.00149	-.00541	.00382	.00818	-.00066	.00061	.00383
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Warn
High Limit										.00000
Low Limit										-.00500

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00083**	**.00024**	**.01548**	**.00013**	W **.00399**	**-.00068**
Stddev	.00014	.00029	.00777	.00006	.00015	.00166
%RSD	16.425	119.17	50.216	45.679	3.6973	244.87
#1	.00092	.00045	.00998	.00009	.00388	.00050
#2	.00073	.00004	.02097	.00018	.00409	-.00185
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass
High Limit					.00348	
Low Limit					-.00500	

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7099.6**	**81255.**	**6224.9**
Stddev	12.6	114.	36.2
%RSD	.17733	.13981	.58211
#1	7108.5	81335.	6250.6
#2	7090.7	81174.	6199.3

Sample Name: lcs 280-200879/2-a Acquired: 11/15/2013 6:56:44 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05184**	**2.0354**	**1.0387**	F **.00101**	**2.0147**	**.04551**	**2.1758**	F **44.114**	**.09691**	**.48863**
Stddev	.00066	.0039	.0006	.00018	.0244	.00055	.0128	.541	.00039	.00033
%RSD	1.2770	.19238	.05742	17.580	1.2124	1.2142	.58904	1.2271	.40709	.06660
#1	.05230	2.0382	1.0383	.00088	1.9974	.04512	2.1668	43.731	.09663	.48840
#2	.05137	2.0326	1.0391	.00114	2.0320	.04591	2.1849	44.496	.09719	.48886
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Pass
High Limit				1.1050				55.500		
Low Limit				.86000				44.750		

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21345**	**.24923**	**1.0111**	**49.949**	**1.0132**	**50.495**	**.48607**	F **.00028**	**52.820**	**.52445**
Stddev	.00164	.00138	.0048	.570	.0106	.283	.00247	.00010	.798	.00294
%RSD	.77037	.55370	.47508	1.1406	1.0468	.55964	.50715	37.654	1.5109	.56046
#1	.21229	.25020	1.0077	49.546	1.0057	50.695	.48782	.00035	52.256	.52237
#2	.21462	.24825	1.0145	50.352	1.0207	50.295	.48433	.00020	53.385	.52653
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass
High Limit								1.1000		
Low Limit								.90000		

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.626**	**.46532**	**.00150**	F **-.00181**	**2.1095**	F **.00585**	**.01252**	F **-.00019**	**.97570**	**.99503**
Stddev	.003	.00472	.00140	.00056	.0093	.00647	.01384	.00042	.01043	.00506
%RSD	.02356	1.0140	93.337	30.962	.44022	110.50	110.50	218.98	1.0688	.50853
#1	10.624	.46198	.00249	-.00141	2.1029	.00128	.00274	.00010	.96833	.99861
#2	10.628	.46866	.00051	-.00220	2.1161	.01042	.02231	-.00049	.98308	.99146
Check ?	Chk Pass	Chk Pass	None	Chk Fail	Chk Pass	Chk Fail	None	Chk Fail	Chk Pass	Chk Pass
High Limit				.55499		11.000		2.2600		
Low Limit				.44000		9.0000		1.7000		

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	F **.00318**	**1.9083**	F **3.2734**	**.48270**	**.49424**	F **-.01432**
Stddev	.00032	.0094	.0483	.00160	.00031	.00165
%RSD	9.9172	.49477	1.4770	.33142	.06299	11.544
#1	.00341	1.9017	3.2392	.48383	.49446	-.01549
#2	.00296	1.9150	3.3076	.48157	.49402	-.01315
Check ?	Chk Fail	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Fail
High Limit	1.1100		2.3000			.57500
Low Limit	.90000		1.7000			.42500

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6769.7**	**77331.**	**6113.7**
Stddev	11.3	169.	67.7
%RSD	.16680	.21849	1.1074
#1	6777.7	77212.	6161.6
#2	6761.7	77451.	6065.8

Sample Name: 280-49176-b-1-a Acquired: 11/15/2013 6:58:57 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.08750**	**-.00176**	**.23812**	**.11525**	**-.00005**	**.00306**	**127.44**	**.00055**	**-.00017**
Stddev	.00018	.00038	.00162	.00058	.00126	.00001	.00220	1.32	.00021	.00005
%RSD	12.854	.43099	91.733	.24491	1.0909	23.473	71.905	1.0347	37.441	28.004
#1	-.00125	.08777	-.00291	.23770	.11614	-.00006	.00150	128.37	.00041	-.00013
#2	-.00150	.08723	-.00062	.23853	.11436	-.00004	.00461	126.51	.00070	-.00020
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00032**	**.00084**	**.11981**	**4.6265**	**.04784**	**39.010**	**.10612**	**.00378**	**192.17**	**.00141**
Stddev	.00001	.00002	.00496	.0675	.00107	.050	.00021	.00001	1.49	.00021
%RSD	1.6788	2.5909	4.1385	1.4583	2.2435	.12845	.19981	.29035	.77552	15.044
#1	.00033	.00086	.12332	4.6742	.04708	39.045	.10627	.00379	193.23	.00126
#2	.00032	.00083	.11630	4.5788	.04860	38.975	.10597	.00377	191.12	.00156
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05617**	**-.00012**	**134.31**	**.00059**	**.00421**	**5.3731**	**11.498**	**-.00140**	**1.8144**	**.00350**
Stddev	.00003	.00144	.61	.00050	.00292	.0334	.071	.00003	.0178	.00128
%RSD	.05460	1217.1	.45423	83.928	69.415	.62090	.62090	2.3656	.97928	36.639
#1	.05619	.00090	133.87	.00094	.00214	5.3967	11.549	-.00142	1.8269	.00259
#2	.05615	-.00114	134.74	.00024	.00627	5.3495	11.448	-.00137	1.8018	.00440
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00182**	**.00067**	**.01400**	**.00182**	**.00804**	**.00059**
Stddev	.00021	.00189	.03789	.00011	.00007	.00115
%RSD	11.766	284.03	270.58	6.1661	.90471	194.56
#1	.00197	-.00067	.04080	.00190	.00799	-.00022
#2	.00167	.00201	-.01279	.00174	.00809	.00140
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6676.7**	**75101.**	**6061.5**
Stddev	28.1	238.	71.7
%RSD	.42151	.31720	1.1828
#1	6696.6	75270.	6010.8
#2	6656.8	74933.	6112.2

Sample Name: 280-49176-b-1-aSD@5 Acquired: 11/15/2013 7:01:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00151**	**.02638**	**-.00236**	**.05234**	**.02453**	**-.00007**	**.00330**	**27.028**	**-.00009**	**-.00027**
Stddev	.00088	.00049	.00321	.00014	.00003	.00012	.00313	.046	.00003	.00005
%RSD	58.111	1.8563	136.32	.27316	.13231	168.96	94.701	.17074	27.757	18.118
#1	-.00089	.02603	-.00008	.05224	.02450	.00001	.00551	26.995	-.00007	-.00024
#2	-.00213	.02673	-.00463	.05245	.02455	-.00015	.00109	27.061	-.00011	-.00031
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00011**	**-.00023**	**.03961**	**1.0490**	**.01076**	**8.5113**	**.02329**	**.00051**	**41.794**	**.00048**
Stddev	.00009	.00053	.00217	.0370	.00170	.0497	.00004	.00003	.338	.00003
%RSD	83.946	227.75	5.4784	3.5242	15.811	.58342	.16964	5.8535	.80819	7.2238
#1	.00018	-.00061	.04115	1.0752	.01196	8.5464	.02331	.00053	42.033	.00050
#2	.00005	.00014	.03808	1.0229	.00956	8.4762	.02326	.00049	41.556	.00045
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01043**	**-.00055**	**28.235**	**-.00042**	**.00064**	**1.1356**	**2.4301**	**.00117**	**.38282**	**.00338**
Stddev	.00031	.00008	.017	.00022	.00186	.0045	.0095	.00007	.00169	.00035
%RSD	2.9266	13.698	.05906	51.178	291.60	.39195	.39195	6.1811	.44213	10.296
#1	.01022	-.00050	28.223	-.00057	-.00068	1.1387	2.4368	.00122	.38162	.00363
#2	.01065	-.00061	28.247	-.00027	.00195	1.1324	2.4233	.00112	.38402	.00313
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00016**	**.00068**	**-.00059**	**.00061**	**.00789**	**-.00078**
Stddev	.00043	.00012	.02826	.00016	.00013	.00003
%RSD	268.29	17.243	4753.7	26.018	1.6225	3.8332
#1	-.00015	.00076	.01939	.00072	.00779	-.00076
#2	.00047	.00059	-.02058	.00050	.00798	-.00081
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6942.2**	**79021.**	**6313.2**
Stddev	17.6	59.	7.6
%RSD	.25420	.07478	.12113
#1	6929.7	78979.	6318.6
#2	6954.7	79063.	6307.8

Sample Name: 280-49176-b-1-b ms Acquired: 11/15/2013 7:03:41 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05504**	**2.1049**	**1.1162**	**.24110**	**2.2112**	**.04711**	F **2.2438**	**171.10**	**.10219**	**.49735**
Stddev	.00054	.0015	.0019	.00232	.0181	.00097	.0038	1.38	.00005	.00051
%RSD	.98632	.07379	.17010	.96258	.81969	2.0526	.17059	.80562	.05212	.10262
#1	.05542	2.1038	1.1149	.23946	2.2240	.04779	2.2465	172.08	.10223	.49771
#2	.05466	2.1060	1.1176	.24274	2.1984	.04642	2.2411	170.13	.10216	.49699
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21856**	**.26121**	**1.1407**	**57.868**	**1.1151**	**91.523**	**.60696**	**.00426**	**245.86**	**.53124**
Stddev	.00015	.00125	.0252	.433	.0111	.126	.00048	.00003	1.81	.00192
%RSD	.06664	.47771	2.2119	.74900	.99851	.13719	.07837	.60892	.73461	.36075
#1	.21866	.26209	1.1586	58.174	1.1230	91.434	.60729	.00428	247.14	.52988
#2	.21845	.26032	1.1229	57.561	1.1072	91.611	.60662	.00425	244.58	.53259
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.542**	**.46877**	**138.61**	**-.00166**	**2.2440**	**5.4349**	**11.631**	**-.00121**	**2.8248**	**1.0321**
Stddev	.008	.00003	.10	.00064	.0012	.0550	.118	.00081	.0229	.0000
%RSD	.07213	.00549	.07045	38.491	.05410	1.0122	1.0122	66.676	.80936	.00323
#1	11.547	.46875	138.55	-.00121	2.2449	5.4738	11.714	-.00064	2.8409	1.0320
#2	11.536	.46879	138.68	-.00211	2.2432	5.3960	11.547	-.00178	2.8086	1.0321
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00535**	**1.8631**	**3.3771**	**.50471**	**.51140**	W **-.01493**
Stddev	.00016	.0016	.0357	.00232	.00196	.00109
%RSD	3.0601	.08750	1.0579	.45883	.38256	7.3340
#1	.00523	1.8619	3.3518	.50635	.51001	-.01416
#2	.00546	1.8642	3.4024	.50307	.51278	-.01570
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6586.5**	**74723.**	**6242.0**
Stddev	4.2	249.	16.5
%RSD	.06432	.33318	.26381
#1	6583.5	74899.	6230.3
#2	6589.5	74547.	6253.6

Sample Name: 280-49176-b-1-c msd Acquired: 11/15/2013 7:05:51 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05384**	**2.0623**	**1.0983**	**.23800**	**2.1785**	**.04613**	F **2.2134**	**169.49**	**.10038**	**.48997**
Stddev	.00004	.0019	.0019	.00167	.0024	.00015	.0041	.65	.00008	.00000
%RSD	.07253	.09367	.17180	.70008	.11076	.32515	.18552	.38562	.08099	.00086
#1	.05387	2.0637	1.0997	.23682	2.1768	.04624	2.2105	169.03	.10044	.48997
#2	.05382	2.0609	1.0970	.23918	2.1802	.04603	2.2163	169.95	.10033	.48998
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
High Limit							.10000			
Low Limit							-.10000			

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.21519**	**.25641**	**1.1108**	**57.098**	**1.0952**	**89.513**	**.59466**	**.00393**	**244.00**	**.52331**
Stddev	.00099	.00187	.0134	.266	.0033	.082	.00215	.00034	.89	.00383
%RSD	.45915	.72771	1.2062	.46639	.29827	.09175	.36204	8.6768	.36340	.73184
#1	.21450	.25509	1.1202	56.910	1.0975	89.455	.59314	.00369	243.37	.52060
#2	.21589	.25773	1.1013	57.286	1.0929	89.571	.59618	.00417	244.63	.52602
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **11.310**	**.46140**	**137.16**	**-.00216**	**2.2140**	**5.3692**	**11.490**	**-.00028**	**2.7955**	**1.0134**
Stddev	.004	.00116	.22	.00075	.0027	.0220	.047	.00011	.0024	.0038
%RSD	.03521	.25090	.16019	35.030	.12378	.40874	.40874	39.362	.08759	.37516
#1	11.308	.46221	137.01	-.00269	2.2160	5.3847	11.523	-.00021	2.7938	1.0107
#2	11.313	.46058	137.32	-.00162	2.2121	5.3537	11.457	-.00036	2.7972	1.0161
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00489**	**1.8384**	**3.3137**	**.49392**	**.49974**	W **-.01418**
Stddev	.00004	.0019	.0223	.00067	.00006	.00045
%RSD	.74953	.10420	.67322	.13638	.01169	3.1695
#1	.00487	1.8397	3.2979	.49345	.49970	-.01386
#2	.00492	1.8370	3.3295	.49440	.49978	-.01450
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn
High Limit						45.000
Low Limit						-.01000

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6606.2**	**75252.**	**6213.1**
Stddev	8.5	43.	45.7
%RSD	.12898	.05721	.73505
#1	6600.2	75221.	6245.4
#2	6612.2	75282.	6180.8

Sample Name: 280-49176-b-2-a Acquired: 11/15/2013 7:08:01 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.11696**	**-.00415**	**.25441**	**.10992**	**-.00005**	**.00338**	**132.70**	**.00064**	**-.00007**
Stddev	.00029	.00001	.00159	.00004	.00012	.00002	.00322	.60	.00007	.00001
%RSD	28.849	.01197	38.331	.01655	.11359	44.645	95.399	.45342	11.086	12.634
#1	-.00122	.11695	-.00302	.25444	.10983	-.00004	.00566	133.13	.00069	-.00007
#2	-.00080	.11697	-.00527	.25438	.11001	-.00007	.00110	132.28	.00059	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00062**	**.13804**	**4.6605**	**.04768**	**39.450**	**.16006**	**.00386**	**204.94**	**.00123**
Stddev	.00002	.00012	.00027	.0454	.00145	.047	.00043	.00021	.19	.00025
%RSD	6.2587	19.668	.19562	.97430	3.0415	.11787	.26571	5.3436	.09457	20.411
#1	.00024	.00054	.13823	4.6926	.04870	39.417	.16036	.00372	205.08	.00140
#2	.00027	.00071	.13784	4.6284	.04665	39.482	.15976	.00401	204.80	.00105
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05560**	**-.00111**	**151.97**	**-.00040**	**.00670**	**5.2559**	**11.248**	**-.00096**	**1.8549**	**.00438**
Stddev	.00083	.00096	.19	.00117	.00063	.0289	.062	.00046	.0076	.00155
%RSD	1.4900	86.876	.12675	293.68	9.4158	.54996	.54996	48.463	.40984	35.470
#1	.05502	-.00179	151.83	.00043	.00715	5.2764	11.291	-.00063	1.8603	.00548
#2	.05619	-.00043	152.11	-.00122	.00625	5.2355	11.204	-.00129	1.8495	.00328
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00209**	**.00164**	**-.00865**	**.00163**	**.00654**	**.00132**
Stddev	.00016	.00104	.01892	.00039	.00020	.00048
%RSD	7.6637	63.431	218.74	23.595	3.1317	36.289
#1	.00221	.00090	-.02202	.00136	.00669	.00166
#2	.00198	.00237	.00473	.00191	.00640	.00098
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6787.0**	**77586.**	**6353.5**
Stddev	7.7	105.	74.8
%RSD	.11319	.13535	1.1771
#1	6792.4	77512.	6300.6
#2	6781.5	77660.	6406.4

Sample Name: 280-49176-b-3-a Acquired: 11/15/2013 7:10:22 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00123**	**.10528**	**-.00245**	**.25972**	**.10710**	**-.00003**	**.00100**	**127.66**	**.00057**	**-.00003**
Stddev	.00018	.00027	.00047	.00175	.00247	.00005	.00184	2.37	.00018	.00015
%RSD	14.749	.25883	18.978	.67441	2.3062	131.28	183.11	1.8601	30.860	496.40
#1	-.00110	.10508	-.00212	.26096	.10536	.00000	-.00030	125.98	.00045	.00007
#2	-.00136	.10547	-.00278	.25849	.10885	-.00007	.00230	129.34	.00070	-.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00021**	**.00093**	**.11790**	**4.4515**	**.04755**	**39.734**	**.16206**	**.00381**	**199.22**	**.00156**
Stddev	.00017	.00005	.00347	.0563	.00023	.227	.00088	.00039	4.10	.00028
%RSD	80.992	5.6393	2.9408	1.2647	.47781	.57229	.54244	10.206	2.0605	18.214
#1	.00034	.00090	.11545	4.4117	.04771	39.573	.16144	.00409	196.32	.00136
#2	.00009	.00097	.12035	4.4913	.04739	39.894	.16268	.00354	202.12	.00176
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05750**	**.00062**	**153.50**	**-.00060**	**.00138**	**5.0968**	**10.907**	**-.00099**	**1.7954**	**.00260**
Stddev	.00260	.00039	.43	.00112	.00319	.1087	.233	.00044	.0341	.00021
%RSD	4.5206	62.845	.28245	187.47	231.21	2.1321	2.1321	44.097	1.9005	8.1217
#1	.05933	.00089	153.81	-.00139	-.00088	5.0199	10.743	-.00130	1.7712	.00245
#2	.05566	.00034	153.20	.00019	.00363	5.1736	11.071	-.00068	1.8195	.00275
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00205**	**.00103**	**.02362**	**.00149**	**.00671**	**.00034**
Stddev	.00018	.00028	.02001	.00018	.00056	.00056
%RSD	8.6015	27.140	84.720	11.870	8.3392	164.29
#1	.00192	.00083	.03777	.00136	.00710	.00073
#2	.00217	.00123	.00947	.00161	.00631	-.00005
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6726.7**	**77398.**	**6629.1**
Stddev	11.1	138.	33.0
%RSD	.16468	.17883	.49818
#1	6718.9	77495.	6652.5
#2	6734.5	77300.	6605.8

Sample Name: 280-49176-b-4-a Acquired: 11/15/2013 7:12:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00148**	**.16428**	**-.00212**	**.27732**	**.11006**	**.00001**	**.00189**	**141.97**	**.00070**	**-.00004**
Stddev	.00001	.00058	.00240	.00193	.00180	.00001	.00058	2.38	.00007	.00018
%RSD	.57499	.35096	112.95	.69500	1.6341	99.942	30.902	1.6786	10.485	422.03
#1	-.00147	.16469	-.00382	.27868	.11133	.00000	.00230	143.65	.00065	.00008
#2	-.00148	.16387	-.00043	.27596	.10879	.00003	.00147	140.28	.00075	-.00017
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00040**	**.00080**	**.17110**	**4.7663**	**.04968**	**40.960**	**.22078**	**.00406**	**224.71**	**.00158**
Stddev	.00005	.00004	.00236	.0647	.00023	.011	.00016	.00029	2.92	.00028
%RSD	12.826	4.7139	1.3769	1.3574	.45448	.02638	.07159	7.0527	1.3007	17.547
#1	.00036	.00077	.17277	4.8120	.04984	40.968	.22089	.00427	226.77	.00178
#2	.00044	.00083	.16943	4.7205	.04952	40.952	.22067	.00386	222.64	.00139
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05460**	**-.00007**	**165.75**	**.00048**	**.00498**	**5.4761**	**11.719**	**-.00119**	**1.9632**	**.00201**
Stddev	.00039	.00039	.26	.00165	.00015	.0555	.119	.00026	.0318	.00134
%RSD	.71647	555.93	.15681	342.66	3.0304	1.0129	1.0129	21.833	1.6190	66.671
#1	.05432	.00020	165.94	.00165	.00488	5.5153	11.803	-.00101	1.9856	.00296
#2	.05488	-.00034	165.57	-.00069	.00509	5.4369	11.635	-.00137	1.9407	.00106
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00453**	**.00033**	**.01509**	**.00192**	**.00655**	**.00165**
Stddev	.00050	.00024	.01118	.00065	.00029	.00106
%RSD	10.985	72.139	74.100	34.047	4.5011	64.179
#1	.00418	.00016	.00718	.00146	.00634	.00090
#2	.00488	.00049	.02300	.00238	.00676	.00241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6727.5**	**76736.**	**6222.0**
Stddev	23.3	41.	56.4
%RSD	.34688	.05278	.90580
#1	6711.0	76707.	6182.2
#2	6744.0	76765.	6261.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 7:15:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00838**	**48.226**	**-.00190**	**.00128**	**.00194**	**-.00005**	W **1.0827**	**.39101**	**.00093**	**-.00109**	**.00025**	**-.00848**
Stddev	.00016	2.705	.00006	.00053	.00178	.00011	.0007	.49204	.00029	.00004	.00017	.00010
%RSD	1.9102	5.6096	3.0653	41.117	91.762	193.04	.06559	125.84	31.733	3.2969	69.754	1.1896
#1	-.00826	50.139	-.00186	.00091	.00068	-.00013	1.0832	.04309	.00114	-.00106	.00012	-.00855
#2	-.00849	46.314	-.00195	.00165	.00320	.00002	1.0822	.73894	.00072	-.00111	.00037	-.00841
Check ?	None	Chk Pass	None	None	None	None	Chk Warn	None	None	None	None	None
Value							1.0000					
Range							5.0000%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.513**	**.13315**	**.00307**	**.06442**	**-.00024**	**.00078**	**268.61**	**-.00082**	**.00223**	**-.00427**	**5.1411**	**.00062**
Stddev	2.327	.01299	.00023	.00350	.00001	.00001	13.14	.00013	.00198	.00105	.0069	.00147
%RSD	4.6062	9.7547	7.4494	5.4392	2.8974	1.0963	4.8913	15.717	88.829	24.690	.13467	237.43
#1	52.158	.12397	.00291	.06690	-.00025	.00078	277.90	-.00091	.00363	-.00502	5.1362	-.00042
#2	48.868	.14234	.00323	.06194	-.00024	.00079	259.32	-.00073	.00083	-.00353	5.1459	.00166
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Pass	None
Value												
Range												

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00539**	**.02253**	**.04821**	**-.00034**	**.00452**	**5.0188**	**.01293**	**.00227**	F **12.276**	**.00215**	**.00181**	**-.06919**
Stddev	.00148	.01730	.03701	.00038	.00565	.0076	.00077	.00024	.130	.00012	.00007	.00709
%RSD	27.380	76.777	76.777	113.52	124.91	.15127	5.9775	10.657	1.0591	5.7303	3.9511	10.242
#1	-.00434	.01030	.02204	-.00007	.00053	5.0241	.01347	.00244	12.368	.00206	.00176	-.06418
#2	-.00643	.03476	.07438	-.00061	.00852	5.0134	.01238	.00210	12.184	.00223	.00186	-.07420
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7135.5**	**80049.**	**6259.2**
Stddev	22.7	498.	275.6
%RSD	.31815	.62153	4.4028
#1	7119.5	80401.	6064.3
#2	7151.6	79698.	6454.0

Sample Name: CCV-2372889 Acquired: 11/15/2013 7:17:30 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54066**	**.54184**	**1.0221**	**.52686**	**.51392**	**.46083**	**-.00965**	**4.6262**	**.48681**	**.50344**	**.53239**	**.51462**	**2.5058**
Stddev	.00015	.00008	.0011	.00064	.00077	.00020	.00050	.0033	.00022	.00086	.00051	.00023	.0099
%RSD	.02826	.01457	.10437	.12202	.15035	.04255	5.2306	.07051	.04575	.17095	.09494	.04550	.39584
#1	.54077	.54178	1.0213	.52641	.51447	.46069	-.01001	4.6239	.48697	.50405	.53275	.51478	2.4988
#2	.54055	.54190	1.0228	.52732	.51338	.46097	-.00929	4.6285	.48666	.50283	.53203	.51445	2.5128
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.927**	**1.0191**	**20.114**	**.49613**	**.52250**	**5.3558**	**.53359**	**1.0496**	**.95419**	**.03171**	**1.0326**	**1.0523**	**4.8664**
Stddev	.029	.0001	.039	.00015	.00136	.0281	.00009	.0005	.00301	.00109	.0032	.0025	.0020
%RSD	.05896	.00562	.19622	.02983	.26045	.52400	.01739	.04671	.31527	3.4293	.30715	.23389	.04106
#1	49.948	1.0192	20.142	.49624	.52346	5.3359	.53366	1.0492	.95632	.03248	1.0349	1.0506	4.8650
#2	49.906	1.0191	20.086	.49603	.52154	5.3756	.53353	1.0499	.95206	.03094	1.0304	1.0541	4.8678
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.414**	**1.0256**	**.49710**	**.00355**	**.50427**	**.99687**	**.01888**	**.48373**	**.49377**	**.48672**
Stddev	.004	.0019	.00075	.00057	.00062	.00193	.00860	.00044	.00103	.00156
%RSD	.04106	.18427	.15021	16.170	.12350	.19382	45.536	.09099	.20841	.31980
#1	10.411	1.0269	.49763	.00314	.50383	.99823	.01280	.48404	.49304	.48782
#2	10.417	1.0242	.49657	.00395	.50471	.99550	.02495	.48341	.49450	.48562
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7109.7**	**81421.**	**6463.2**
Stddev	7.2	319.	50.1
%RSD	.10143	.39228	.77552
#1	7104.6	81647.	6498.7
#2	7114.8	81195.	6427.8

Sample Name: CCB Acquired: 11/15/2013 7:19:38 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00090**	**.00060**	**-.00140**	**.00126**	**.00008**	**.00000**	**.00294**	**-.00502**	**-.00005**	**.00006**	**-.00018**	**-.00071**	**-.00030**
Stddev	.00049	.00111	.00067	.00000	.00011	.00013	.00180	.00412	.00001	.00017	.00006	.00006	.00060
%RSD	54.087	184.04	47.670	.14373	136.49	3768.1	61.328	82.130	24.095	298.36	32.568	7.7998	196.60
#1	-.00056	-.00018	-.00093	.00126	.00015	.00009	.00166	-.00793	-.00006	.00018	-.00014	-.00074	.00012
#2	-.00124	.00139	-.00188	.00126	.00000	-.00009	.00421	-.00210	-.00004	-.00006	-.00022	-.00067	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit													
Low Limit													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.13495**	**.00109**	**.00258**	**.00007**	**.00001**	F **.20414**	**-.00040**	**-.00007**	**.00031**	**.02809**	**.00313**	**-.00024**	**.00535**
Stddev	.02302	.00204	.00042	.00004	.00006	.00074	.00015	.00060	.00019	.00170	.00014	.00014	.00557
%RSD	17.061	188.05	16.204	50.815	1071.4	.36456	38.765	860.18	61.694	6.0601	4.3523	59.495	104.18
#1	.11867	-.00036	.00287	.00004	.00005	.20361	-.00029	-.00049	.00044	.02689	.00303	-.00014	.00141
#2	.15123	.00253	.00228	.00009	-.00004	.20466	-.00051	.00035	.00017	.02930	.00322	-.00034	.00929
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						.18320							
Low Limit						-.18320							

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01145**	**-.00002**	**-.00006**	**.00381**	**.00008**	**.00047**	**-.01987**	**-.00087**	**.00283**	**.00103**
Stddev	.01193	.00055	.00009	.00030	.00034	.00064	.03549	.00075	.00000	.00114
%RSD	104.18	2542.8	145.37	7.8370	413.16	136.70	178.58	85.609	.03844	109.96
#1	.00301	.00036	.00000	.00360	.00032	.00002	-.04496	-.00140	.00283	.00023
#2	.01988	-.00041	-.00012	.00402	-.00016	.00093	.00522	-.00034	.00283	.00184
Check ?	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7138.8**	**82028.**	**6462.7**
Stddev	25.4	646.	52.4
%RSD	.35625	.78745	.81005
#1	7120.8	81571.	6425.7
#2	7156.7	82484.	6499.8

Sample Name: CCVL2379751 Acquired: 11/15/2013 7:21:58 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01021**	**.11368**	**.01411**	**.10494**	**.01077**	**.00089**	**.11951**	**.19194**	**.00495**	**.01042**	**.01082**	**.01460**	**.10501**	**3.1210**
Stddev	.00023	.00064	.00008	.00038	.00028	.00005	.00039	.00128	.00009	.00025	.00006	.00046	.00040	.0674
%RSD	2.2354	.55974	.55688	.36679	2.6344	5.4238	.32501	.66546	1.8173	2.4466	.51285	3.1666	.37666	2.1609
#1	.01037	.11413	.01417	.10521	.01057	.00086	.11979	.19103	.00501	.01024	.01078	.01492	.10473	3.0734
#2	.01005	.11323	.01406	.10467	.01098	.00093	.11924	.19284	.00488	.01060	.01086	.01427	.10529	3.1687
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01272**	**.21338**	**.01042**	**.02038**	**1.2266**	**.04408**	**3.0683**	**.00881**	**.02040**	**.01023**	**.01688**	**.50273**	**1.0758**	**.10543**
Stddev	.00072	.00298	.00008	.00007	.0006	.00033	.0053	.00060	.00178	.00068	.00493	.01147	.0245	.00030
%RSD	5.6949	1.3951	.78633	.32171	.04478	.75599	.17246	6.8444	8.7099	6.6290	29.230	2.2817	2.2817	.28169
#1	.01323	.21127	.01037	.02043	1.2262	.04385	3.0721	.00923	.01914	.00975	.02037	.49462	1.0585	.10564
#2	.01221	.21548	.01048	.02034	1.2270	.04432	3.0646	.00838	.02165	.01071	.01339	.51084	1.0932	.10522
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value														
Range														

Elem	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01004**	**.01690**	**.00975**	**.01658**	**.04259**	**.00955**	**.02523**	**.01472**
Stddev	.00023	.00092	.00013	.00009	.02156	.00006	.00011	.00057
%RSD	2.2818	5.4655	1.2841	.54294	50.623	.58352	.44497	3.8517
#1	.00987	.01756	.00984	.01665	.02734	.00951	.02531	.01513
#2	.01020	.01625	.00966	.01652	.05783	.00959	.02515	.01432
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value								
Range								

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7316.8**	**83721.**	**6537.4**
Stddev	1.0	43.	32.8
%RSD	.01341	.05095	.50131
#1	7316.2	83691.	6560.6
#2	7317.5	83751.	6514.2

Sample Name: 280-49127-a-2-a Acquired: 11/15/2013 7:24:18 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00137**	**.15547**	**-.00088**	**.07030**	**.01530**	**-.00004**	**.00303**	**18.504**	**-.00008**	**-.00017**
Stddev	.00009	.00020	.00247	.00073	.00007	.00009	.00088	.004	.00004	.00019
%RSD	6.5548	.12936	280.23	1.0381	.46222	227.11	28.984	.02024	53.486	107.08
#1	-.00131	.15561	.00087	.07082	.01525	.00002	.00241	18.501	-.00005	-.00031
#2	-.00144	.15533	-.00263	.06979	.01535	-.00010	.00365	18.506	-.00010	-.00004
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01482**	**.03105**	**.09982**	**.69171**	**.00174**	**1.4563**	**.00221**	**.00033**	**4.8061**	**.00323**
Stddev	.00003	.00064	.00037	.03411	.00046	.0020	.00004	.00019	.0103	.00020
%RSD	.18599	2.0480	.36614	4.9317	26.329	.13505	1.8955	58.551	.21464	6.0707
#1	.01480	.03150	.10008	.71584	.00142	1.4577	.00218	.00046	4.7988	.00337
#2	.01484	.03060	.09956	.66759	.00207	1.4549	.00224	.00019	4.8134	.00309
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.02326**	**.00058**	**4.0801**	**-.00007**	**.00146**	**2.6324**	**5.6334**	**-.00048**	**.05378**	**.00192**
Stddev	.00036	.00005	.0124	.00085	.00254	.0091	.0194	.00070	.00003	.00045
%RSD	1.5288	8.7053	.30272	1159.1	174.43	.34516	.34516	145.74	.05175	23.252
#1	.02351	.00061	4.0888	-.00068	.00325	2.6260	5.6196	-.00098	.05380	.00160
#2	.02301	.00054	4.0714	.00053	-.00034	2.6389	5.6471	.00001	.05376	.00223
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00106**	**-.00001**	**.03026**	**.00072**	**.00999**	**.00663**
Stddev	.00032	.00105	.05110	.00008	.00006	.00177
%RSD	30.137	7760.0	168.89	11.304	.58120	26.666
#1	.00128	-.00075	.06640	.00078	.01003	.00788
#2	.00083	.00073	-.00588	.00066	.00994	.00538
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7199.7**	**82730.**	**6531.9**
Stddev	2.8	396.	7.2
%RSD	.03943	.47844	.11012
#1	7197.7	82450.	6526.8
#2	7201.7	83010.	6536.9

Sample Name: 280-49177-c-11-a Acquired: 11/15/2013 7:27:19 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00106**	**.14645**	**.00595**	**.10338**	**.30631**	**-.00001**	**-.00107**	**74.952**	**.00032**	**.01934**
Stddev	.00017	.00035	.00001	.00085	.00050	.00001	.00168	.219	.00005	.00006
%RSD	15.637	.23945	.20187	.82423	.16381	135.03	157.22	.29162	14.636	.32223
#1	-.00094	.14620	.00596	.10278	.30666	-.00001	-.00225	75.107	.00035	.01939
#2	-.00118	.14670	.00594	.10398	.30595	.00000	.00012	74.797	.00028	.01930
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01287**	**.00083**	**.27360**	**1.3787**	**.03590**	**22.222**	**.32819**	**.00267**	**71.307**	**.00941**
Stddev	.00016	.00003	.00171	.0163	.00230	.092	.00106	.00017	.256	.00033
%RSD	1.2319	3.4813	.62603	1.1821	6.4022	.41266	.32323	6.1846	.35918	3.4748
#1	.01276	.00081	.27239	1.3902	.03753	22.158	.32744	.00279	71.488	.00964
#2	.01298	.00085	.27481	1.3672	.03428	22.287	.32894	.00256	71.126	.00918
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.04190**	**-.00048**	**13.592**	**-.00037**	**.00155**	**13.216**	**28.281**	**-.00068**	**.47261**	**.00134**
Stddev	.00106	.00081	.083	.00210	.00297	.029	.062	.00023	.00062	.00192
%RSD	2.5315	167.75	.60950	569.94	192.11	.21962	.21962	34.463	.13080	143.36
#1	.04265	-.00106	13.533	-.00186	-.00055	13.236	28.325	-.00084	.47305	-.00002
#2	.04115	.00009	13.650	.00112	.00365	13.195	28.238	-.00051	.47217	.00270
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00296**	**.00162**	**.03218**	**.00092**	**.00958**	**-.00032**
Stddev	.00025	.00078	.02100	.00030	.00009	.00061
%RSD	8.4991	48.120	65.260	31.923	.96497	192.91
#1	.00314	.00218	.04702	.00113	.00951	-.00075
#2	.00278	.00107	.01733	.00072	.00964	.00012
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6879.1**	**79709.**	**6441.2**
Stddev	16.8	366.	49.5
%RSD	.24465	.45899	.76898
#1	6891.0	79968.	6406.1
#2	6867.2	79450.	6476.2

Sample Name: 280-49177-c-12-a Acquired: 11/15/2013 7:29:42 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00130**	**.00557**	**-.00180**	**.00064**	**.00036**	**-.00007**	**.00102**	**.03193**	**.00002**	**-.00012**
Stddev	.00013	.00012	.00224	.00023	.00035	.00000	.00043	.00022	.00014	.00014
%RSD	9.7572	2.0783	124.40	35.703	97.451	2.2680	42.201	.68255	876.25	115.41
#1	-.00139	.00549	-.00338	.00080	.00061	-.00007	.00132	.03208	-.00009	-.00022
#2	-.00121	.00565	-.00022	.00048	.00011	-.00007	.00071	.03177	.00012	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00003**	**.00103**	**.01539**	**.11753**	**.00147**	**.00573**	**.00044**	**-.00009**	**.22449**	**-.00018**
Stddev	.00007	.00027	.00116	.01357	.00065	.00080	.00004	.00012	.00325	.00005
%RSD	262.51	26.500	7.5409	11.544	44.244	14.023	9.8058	125.20	1.4474	30.867
#1	.00002	.00122	.01622	.12713	.00193	.00629	.00041	-.00001	.22679	-.00021
#2	-.00007	.00084	.01457	.10794	.00101	.00516	.00047	-.00018	.22220	-.00014
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00062**	**.00560**	**.02217**	**.00114**	**-.00201**	**.01021**	**.02184**	**-.00031**	**.00007**	**.00183**
Stddev	.00006	.00139	.00222	.00172	.00348	.01297	.02776	.00031	.00000	.00286
%RSD	9.6834	24.898	10.006	151.28	172.97	127.09	127.09	100.83	2.7437	156.69
#1	-.00067	.00461	.02374	-.00008	.00045	.01938	.04147	-.00009	.00007	-.00020
#2	-.00058	.00658	.02061	.00236	-.00447	.00103	.00221	-.00053	.00007	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00030**	**-.00008**	**-.01890**	**.00014**	**.00671**	**-.00001**
Stddev	.00044	.00052	.05187	.00002	.00005	.00004
%RSD	146.60	637.86	274.43	16.156	.73295	745.37
#1	.00061	-.00045	.01778	.00016	.00674	.00002
#2	-.00001	.00029	-.05558	.00012	.00667	-.00003
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7147.7**	**82489.**	**6429.2**
Stddev	.1	56.	6.9
%RSD	.00085	.06774	.10685
#1	7147.6	82449.	6434.0
#2	7147.7	82528.	6424.3

Sample Name: 280-49177-c-13-a Acquired: 11/15/2013 7:32:03 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00115**	**.03227**	**-.00040**	**.00103**	**.00090**	**-.00006**	**.00166**	**.28661**	**-.00005**	**-.00023**
Stddev	.00015	.00005	.00239	.00065	.00016	.00003	.00108	.00032	.00006	.00030
%RSD	13.173	.16602	594.38	63.193	17.450	58.517	65.033	.10997	126.86	129.02
#1	-.00126	.03224	-.00209	.00057	.00101	-.00008	.00089	.28638	-.00001	-.00044
#2	-.00104	.03231	.00129	.00149	.00078	-.00003	.00242	.28683	-.00009	-.00002
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00028**	**.00116**	**.03025**	**.11919**	**.00033**	**.01128**	**.00029**	**-.00030**	**.80726**	**-.00003**
Stddev	.00004	.00051	.00526	.02422	.00173	.00282	.00000	.00014	.00811	.00023
%RSD	16.028	44.399	17.395	20.322	518.26	24.981	.22467	47.179	1.0050	667.10
#1	.00025	.00079	.03397	.10206	-.00089	.01327	.00029	-.00020	.81300	-.00020
#2	.00031	.00152	.02653	.13631	.00155	.00929	.00029	-.00040	.80153	.00013
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00026**	**.00007**	**.01502**	**-.00061**	**.00047**	**1.5211**	**3.2551**	**-.00019**	**.00041**	**.00252**
Stddev	.00146	.00004	.00155	.00117	.00012	.0035	.0075	.00035	.00001	.00081
%RSD	555.77	61.348	10.329	191.70	25.152	.23069	.23069	183.38	2.2776	32.219
#1	-.00077	.00010	.01611	-.00144	.00039	1.5186	3.2498	.00006	.00041	.00310
#2	.00129	.00004	.01392	.00022	.00056	1.5236	3.2604	-.00044	.00042	.00195
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00049**	**.00004**	**-.04698**	**-.00045**	**.00400**	**.00080**
Stddev	.00001	.00001	.00726	.00047	.00047	.00143
%RSD	1.7066	23.416	15.453	104.47	11.819	179.08
#1	.00049	.00004	-.05211	-.00012	.00434	-.00021
#2	.00048	.00005	-.04184	-.00078	.00367	.00181
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7191.3**	**82779.**	**6457.7**
Stddev	5.6	205.	103.9
%RSD	.07856	.24760	1.6085
#1	7187.3	82634.	6384.2
#2	7195.3	82924.	6531.1

Sample Name: 280-49089-a-2-a Acquired: 11/15/2013 7:34:24 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00054**	**.37324**	**.00142**	**.18374**	**.10732**	**.00009**	**.00568**	**49.517**	**.00060**	**.00036**
Stddev	.00004	.00029	.00179	.00032	.00158	.00025	.00068	.108	.00003	.00019
%RSD	7.3221	.07744	126.53	.17403	1.4750	274.90	12.047	.21720	4.3278	54.272
#1	-.00057	.37344	.00015	.18351	.10620	-.00009	.00616	49.594	.00059	.00022
#2	-.00051	.37303	.00268	.18396	.10844	.00027	.00519	49.441	.00062	.00049
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	818.326 { 41}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00237**	**.12547**	**.68455**	**15.244**	**.02531**	**10.166**	**.15438**	**.00100**	**55.873**	**.00324**
Stddev	.00011	.00010	.04539	.051	.00124	.044	.00045	.00004	.208	.00012
%RSD	4.4221	.07577	6.6299	.33157	4.9063	.43762	.28895	4.1017	.37269	3.5873
#1	.00230	.12540	.65246	15.280	.02443	10.197	.15469	.00097	55.726	.00332
#2	.00245	.12553	.71664	15.208	.02619	10.135	.15406	.00103	56.021	.00316
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **6.1434**	**.00250**	**17.087**	**.00141**	**.00472**	**7.7055**	**16.490**	**.00377**	**.36160**	**.00267**
Stddev	.0037	.00021	.015	.00072	.00231	.0386	.083	.00031	.00022	.00230
%RSD	.06006	8.4514	.08866	50.945	48.983	.50125	.50125	8.2767	.05957	86.164
#1	6.1460	.00235	17.098	.00192	.00636	7.6782	16.431	.00355	.36145	.00430
#2	6.1407	.00265	17.077	.00090	.00309	7.7328	16.548	.00399	.36175	.00104
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	2.0000									
Low Limit	-1.0000									

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.05298**	**.00049**	**-.03835**	**.00529**	**.11873**	**.00436**
Stddev	.00108	.00138	.03147	.00018	.00004	.00071
%RSD	2.0390	279.89	82.061	3.3717	.03079	16.365
#1	.05222	.00147	-.06060	.00516	.11870	.00486
#2	.05374	-.00048	-.01610	.00541	.11875	.00385
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**6969.8**	**80598.**	**6507.4**
Stddev	21.0	220.	32.9
%RSD	.30127	.27309	.50613
#1	6984.6	80442.	6484.1
#2	6954.9	80754.	6530.7

Sample Name: 280-49089-a-4-b Acquired: 11/15/2013 7:36:43 Type: Unk
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment: 200879 200.7

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286
Line	328.068 {103}	167.079 {502}	189.042 {478}	208.959 {461}	455.403 { 74}	313.042 {108}	223.061 {451}	317.933 {106}	228.802 {447}	228.616 {447}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00101**	**.00984**	**-.00218**	**.00663**	**.00169**	**-.00006**	**.00252**	**.16055**	**-.00001**	**-.00009**
Stddev	.00007	.00004	.00027	.00011	.00007	.00007	.00190	.00700	.00013	.00001
%RSD	6.7919	.45296	12.487	1.5956	3.9041	116.66	75.385	4.3577	1077.9	7.2130
#1	-.00106	.00987	-.00237	.00670	.00174	-.00011	.00118	.16549	.00008	-.00009
#2	-.00096	.00981	-.00198	.00655	.00164	-.00001	.00387	.15560	-.00011	-.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Cr2055	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316
Line	205.552 {464}	324.754 {104}	259.940 {130}	766.490 { 44}	670.784 { 50}	279.079 {121}2	257.610 {131}	202.030 {467}	589.592 { 57}	231.604 {446}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00010**	**.00863**	**.00579**	**.10327**	**.00197**	**.00993**	**.00048**	**-.00005**	**.23981**	**.00007**
Stddev	.00008	.00068	.00116	.00817	.00244	.00263	.00009	.00004	.00731	.00044
%RSD	80.371	7.9169	20.025	7.9159	123.55	26.465	19.598	69.412	3.0485	602.63
#1	.00004	.00815	.00497	.09749	.00370	.01179	.00041	-.00008	.24498	-.00024
#2	.00016	.00911	.00661	.10905	.00025	.00807	.00054	-.00003	.23465	.00039
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837
Line	178.284 {489}	220.353 {453}	182.034 {485}	206.833 {463}	196.090 {472}	288.158 {117}	288.158 {117}2	189.989 {477}	407.771 { 83}	283.730 {119}
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00729**	**-.00016**	**.03731**	**.00095**	**-.00092**	**.02685**	**.05746**	**-.00063**	**.00087**	**-.00011**
Stddev	.00134	.00008	.00185	.00113	.00083	.00003	.00006	.00032	.00012	.00026
%RSD	18.308	50.187	4.9693	119.37	89.848	.09866	.09866	51.018	13.484	247.64
#1	.00635	-.00010	.03600	.00015	-.00150	.02683	.05742	-.00085	.00095	-.00029
#2	.00824	-.00021	.03862	.00175	-.00034	.02687	.05750	-.00040	.00079	.00008
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit										
Low Limit										

Elem	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Line	334.904 {101}	190.856 {477}	370.152 { 91}	292.402 {115}	206.200 {163}	339.198 { 99}
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00009**	**.00071**	**.01451**	**-.00043**	**.02007**	**.00191**
Stddev	.00019	.00086	.00526	.00033	.00005	.00215
%RSD	211.84	121.47	36.239	76.650	.23783	112.71
#1	.00004	.00131	.01823	-.00066	.02010	.00039
#2	-.00022	.00010	.01079	-.00020	.02004	.00343
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Int. Std.	Y_2243	Y_3600	Y_3774
Line	224.306 {450}	360.073 { 94}	377.433 { 89}
Units	Cts/S	Cts/S	Cts/S
Avg	**7255.7**	**84153.**	**6627.1**
Stddev	34.8	223.	6.9
%RSD	.48028	.26455	.10403
#1	7280.4	84310.	6622.2
#2	7231.1	83996.	6631.9

Sample Name: CCVH-2372891 Acquired: 11/15/2013 7:39:04 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3092	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00818**	**47.855**	**.00016**	**.00036**	**.00028**	**-.00005**	F **1.1173**	**.01469**	**.00105**	**-.00139**	**.00025**	**-.00795**
Stddev	.00000	.353	.00200	.00021	.00022	.00001	.0000	.00133	.00009	.00002	.00000	.00090
%RSD	.03926	.73816	1253.0	59.352	79.207	17.716	.00031	9.0261	8.4920	1.6517	.54378	11.287
#1	-.00818	48.105	.00157	.00051	.00043	-.00006	1.1173	.01375	.00111	-.00140	.00025	-.00858
#2	-.00817	47.605	-.00125	.00021	.00012	-.00005	1.1173	.01562	.00099	-.00137	.00025	-.00732
Check ?	None	Chk Pass	None	None	None	None	Chk Fail	None	None	None	None	None
Value							1.0000					
Range							10.490%					

Elem	Fe2714	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na8183	Ni2316	P_1782	Pb2203	S_1820	Sb2068
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**49.802**	**.06780**	**.00222**	**.06364**	**-.00028**	**.00079**	**266.85**	**-.00084**	**.00151**	**-.00410**	W **5.2549**	**-.00011**
Stddev	.325	.00038	.00062	.00075	.00005	.00017	2.03	.00027	.00088	.00064	.0188	.00021
%RSD	.65168	.56310	28.066	1.1843	18.749	21.316	.75920	31.814	58.087	15.613	.35862	188.44
#1	50.032	.06753	.00266	.06417	-.00024	.00091	268.29	-.00065	.00089	-.00455	5.2682	.00004
#2	49.573	.06807	.00178	.06311	-.00032	.00067	265.42	-.00103	.00213	-.00364	5.2415	-.00026
Check ?	Chk Pass	None	None	None	None	None	Chk Pass	None	None	None	Chk Warn	None
Value											5.0000	
Range											5.0000%	

Elem	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00605**	**-.01343**	**-.02875**	**-.00038**	**.00007**	**5.1092**	**.01411**	**.00313**	F **12.661**	**.00165**	**.00163**	**-.07218**
Stddev	.00282	.02151	.04602	.00016	.00002	.0175	.00006	.00004	.010	.00013	.00056	.00287
%RSD	46.680	160.10	160.10	41.865	30.420	.34250	.44694	1.2567	.07889	8.1062	34.113	3.9828
#1	-.00405	.00177	.00380	-.00027	.00005	5.1215	.01407	.00310	12.654	.00156	.00203	-.07421
#2	-.00805	-.02864	-.06129	-.00049	.00008	5.0968	.01416	.00316	12.668	.00175	.00124	-.07015
Check ?	None	None	None	None	None	Chk Pass	None	None	Chk Fail	None	None	None
Value									10.000			
Range									10.490%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7037.8**	**79780.**	**6480.2**
Stddev	7.5	275.	53.8
%RSD	.10717	.34424	.82975
#1	7043.1	79585.	6442.2
#2	7032.5	79974.	6518.3

Sample Name: CCV-2372889 Acquired: 11/15/2013 7:41:31 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.54574**	F **.55470**	**1.0356**	**.53676**	**.52124**	**.46860**	**-.00780**	**4.6152**	**.49553**	**.50974**	**.54143**	**.52138**	**2.5172**
Stddev	.00269	.00612	.0067	.00227	.00095	.00086	.00078	.0225	.00002	.00033	.00005	.00221	.0103
%RSD	.49378	1.1028	.64555	.42287	.18154	.18439	9.9673	.48775	.00378	.06418	.00889	.42460	.40834
#1	.54764	.55038	1.0403	.53836	.52191	.46921	-.00835	4.5993	.49554	.50997	.54139	.52294	2.5100
#2	.54383	.55903	1.0308	.53515	.52057	.46799	-.00725	4.6311	.49552	.50951	.54146	.51981	2.5245
Check ?	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value		.50000											
Range		10.490%											

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**50.422**	**1.0371**	**20.333**	**.50033**	**.52960**	**5.3850**	**.54261**	**1.0686**	**.96400**	**.00930**	**1.0483**	**1.0694**	**4.8809**
Stddev	.023	.0001	.043	.00063	.00287	.0403	.00015	.0145	.00267	.00160	.0047	.0042	.0216
%RSD	.04659	.01201	.20902	.12621	.54156	.74910	.02709	1.3564	.27712	17.232	.44438	.39430	.44204
#1	50.439	1.0371	20.363	.50077	.52757	5.4135	.54251	1.0583	.96211	.01043	1.0450	1.0664	4.8657
#2	50.405	1.0370	20.303	.49988	.53163	5.3565	.54271	1.0788	.96589	.00817	1.0516	1.0724	4.8962
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**10.445**	**1.0380**	**.50498**	**.00658**	**.51071**	**1.0094**	**-.00536**	**.49116**	**.50432**	**.48823**
Stddev	.046	.0054	.00076	.00018	.00038	.0062	.01064	.00098	.00002	.00074
%RSD	.44204	.51724	.15131	2.7768	.07530	.61473	198.44	.20005	.00430	.15086
#1	10.413	1.0342	.50552	.00671	.51099	1.0050	.00216	.49185	.50430	.48771
#2	10.478	1.0418	.50444	.00645	.51044	1.0138	-.01289	.49046	.50433	.48875
Check ?	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value										
Range										

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7043.9**	**80953.**	**6507.9**
Stddev	2.4	180.	23.0
%RSD	.03431	.22219	.35409
#1	7045.6	80826.	6491.6
#2	7042.2	81080.	6524.2

Sample Name: CCB Acquired: 11/15/2013 7:43:41 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	W **-.00106**	**.00030**	**-.00052**	**.00119**	**-.00013**	**-.00004**	**.00168**	**-.00301**	**.00002**	**-.00027**	**-.00007**
Stddev	.00058	.00037	.00029	.00023	.00059	.00005	.00117	.00051	.00026	.00016	.00010
%RSD	54.861	125.86	56.310	19.732	467.26	140.66	69.155	17.012	1325.1	59.049	133.08
#1	-.00065	.00056	-.00072	.00136	.00029	.00000	.00086	-.00265	-.00017	-.00016	-.00014
#2	-.00147	.00003	-.00031	.00102	-.00054	-.00007	.00251	-.00338	.00021	-.00039	.00000
Check ?	Chk Warn	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit	.00093										
Low Limit	-.00093										

Elem	Cu3247	Fe2599	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**-.00059**	**.00003**	**.10870**	**.00241**	**.00119**	**.00002**	**.00004**	W **.16516**	**.00004**	**-.00044**	**-.00019**
Stddev	.00053	.00056	.03637	.00021	.00042	.00008	.00015	.00160	.00013	.00117	.00075
%RSD	90.106	2202.4	33.463	8.6417	35.628	327.23	432.93	.97101	344.66	263.85	387.14
#1	-.00021	-.00037	.08298	.00255	.00089	-.00003	-.00007	.16630	.00013	-.00127	.00034
#2	-.00097	.00042	.13442	.00226	.00149	.00008	.00014	.16403	-.00005	.00038	-.00073
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Warn	Chk Pass	Chk Pass	Chk Pass
High Limit								.09160			
Low Limit								-.09160			

Elem	S_1820	Sb2068	Se1960	Si2881	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.00995**	**.00264**	**-.00035**	**.00237**	**.00508**	**-.00066**	**-.00010**	**.00282**	**.00016**	**.00025**	**-.04747**
Stddev	.00274	.00011	.00076	.00633	.01354	.00070	.00010	.00058	.00021	.00036	.03970
%RSD	27.539	4.0718	216.91	266.79	266.79	106.01	101.69	20.421	133.04	143.06	83.624
#1	.01188	.00271	.00019	.00685	.01465	-.00115	-.00003	.00241	.00031	.00000	-.07554
#2	.00801	.00256	-.00089	-.00210	-.00450	-.00016	-.00017	.00322	.00001	.00050	-.01940
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit											
Low Limit											

Elem	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm
Avg	**-.00004**	**.00337**	**.00140**
Stddev	.00038	.00030	.00090
%RSD	1024.0	9.0280	64.250
#1	-.00030	.00315	.00076
#2	.00023	.00358	.00203
Check ?	Chk Pass	Chk Pass	Chk Pass
High Limit			
Low Limit			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7123.1**	**81772.**	**6443.4**
Stddev	24.9	161.	43.5
%RSD	.34936	.19708	.67501
#1	7105.5	81886.	6412.7
#2	7140.7	81658.	6474.2

Sample Name: CCVL2379751 Acquired: 11/15/2013 7:46:02 Type: QC
Method: 6500_025(v6) Mode: CONC Corr. Factor: 1.000000
User: kharre Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al1670	As1890	B_2089	Ba4554	Be3130	Bi2230	Ca3179	Cd2288	Co2286	Cr2055	Cu3247	Fe2599
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**.01052**	**.11596**	**.01488**	**.10769**	**.01068**	**.00093**	**.12323**	**.18527**	**.00509**	**.01079**	**.01110**	**.01523**	**.10221**
Stddev	.00004	.00020	.00063	.00054	.00013	.00006	.00135	.00039	.00023	.00009	.00006	.00011	.00008
%RSD	.33351	.16972	4.2116	.50596	1.2391	6.5939	1.0920	.21262	4.4474	.79374	.52672	.70417	.07428
#1	.01050	.11582	.01443	.10808	.01059	.00097	.12418	.18500	.00525	.01072	.01114	.01516	.10216
#2	.01055	.11610	.01532	.10731	.01077	.00089	.12228	.18555	.00493	.01085	.01106	.01531	.10227
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	K_7664	Li6707	Mg2790	Mn2576	Mo2020	Na5895	Ni2316	P_1782	Pb2203	S_1820	Sb2068	Se1960	Si2881
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**3.0815**	**.01105**	**.21971**	**.01059**	**.02055**	**1.2134**	**.04518**	**3.1587**	**.00761**	**.00706**	**.01090**	**.01745**	**.49485**
Stddev	.0778	.00041	.00182	.00002	.00005	.0028	.00016	.0043	.00117	.00164	.00003	.00092	.00695
%RSD	2.5242	3.6876	.82698	.23155	.24107	.23246	.36372	.13780	15.315	23.217	.31548	5.2931	1.4045
#1	3.0265	.01134	.22099	.01060	.02059	1.2154	.04530	3.1556	.00679	.00590	.01088	.01810	.48994
#2	3.1364	.01076	.21843	.01057	.02052	1.2114	.04507	3.1618	.00843	.00822	.01093	.01679	.49977
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
Value													
Range													

Elem	SiO2	Sn1899	Sr4077	Th2837	Ti3349	Tl1908	U_3701	V_2924	Zn2062	Zr3391
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	**1.0590**	**.10762**	**.01006**	**.01668**	**.00999**	**.01754**	F **.08137**	**.00966**	**.02596**	**.01499**
Stddev	.0149	.00167	.00012	.00048	.00009	.00045	.03197	.00013	.00017	.00124
%RSD	1.4045	1.5502	1.1871	2.9036	.92000	2.5372	39.293	1.3424	.66323	8.2930
#1	1.0485	.10880	.00998	.01702	.00993	.01786	.10398	.00975	.02583	.01587
#2	1.0695	.10644	.01014	.01634	.01006	.01723	.05876	.00956	.02608	.01412
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Fail	Chk Pass	Chk Pass	Chk Pass
Value							.06000			
Range							30.000%			

Int. Std.	Y_2243	Y_3600	Y_3774
Units	Cts/S	Cts/S	Cts/S
Avg	**7269.6**	**83594.**	**6630.7**
Stddev	2.4	184.	43.1
%RSD	.03280	.22060	.64955
#1	7271.3	83463.	6661.2
#2	7268.0	83724.	6600.3

Method(s):

245.1 245.1_DW

7470A 7471A 7471B

Applicable QC Batches: 200988

Mercury Analysis Raw Data Checklist

Analyst's Checklist

		yes	no	n/a
1.	Were the special instructions for prep and/or analysis followed?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is the blank less than one-half the reporting limit or properly anomalized?	☑	☐	☐
4.	Are the LCSs within limits or properly anomalized?	☑	☐	☐
5.	Are the ICV and all CCVs within limits?	☑	☐	☐
6.	Are the ICB and all CCBs within ± one-half the reporting limit from zero?	☑	☐	☐
7.	Were the CCVs and CCBs run with at most 10 samples between each set?	☑	☐	☐
8.	Are the reporting limits correct and reflect any dilutions?	☑	☐	☐
9.	Are the benchsheets complete (including calibration and standard verification #'s)?	☑	☐	☐
10.	Are all comments, footnotes, and anomalies properly documented?	☑	☐	☐
11.	Are holding time violation forms completed and attached?	☑	☐	☐
12.	Have all sample data been entered into LIMS?	☑	☐	☐
13.	Have all QC data been entered into LIMS?	☑	☐	☐
14.	Have the data entered into LIMS been checked for errors?	☑	☐	☐
15.	For TCLP results, is the sample data within 20% of Regulatory Level (0.2 mg/L)?	☐	☐	☑
16.	Are all passing CRAs set to acceptable?	☑	☐	☐
17.	Is the PDF attached?	☑	☐	☐

Analyst's Name: Joe Mooney Date: 11/14/13

Data Review's Checklist

		yes	no	n/a
1.	Have the calculations been checked?	☑	☐	☐
2.	Is the correlation coefficient ≥ 0.995?	☑	☐	☐
3.	Is all the QC data within the control limits and/or properly anomalized?	☑	☐	☐
4.	Are all the significant figures and reporting limits correct?	☑	☐	☐
5.	Have any comments, footnotes, and anomalies been properly documented?	☑	☐	☐
6.	Have any data errors been documented and entered into LIMS?	☑	☐	☐
7.	Is prep date correct in LIMS?	☑	☐	☐
8.	If TCLP result within 20% of Reg. Level (0.2 mg/l) and MS < 50%, was MSA performed?	☑	☐	☐

Reviewed by: Cm Trelle Date: 11/15/13

Comments:

Anomalies:

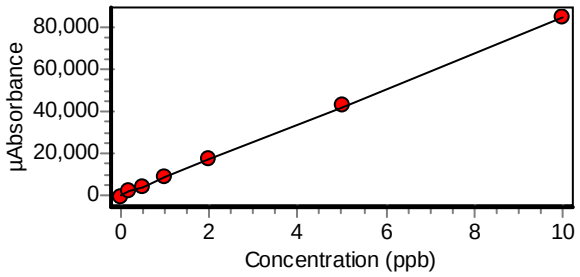
Report Generated By CETAC QuickTrace
Analyst: MooneyJ
Worksheet file: C:\Program Files\QuickTrace\Worksheets\2013\11-NOV\131113aa.wsz
Date Started: 11/13/2013 4:42:27 PM
Comment:

Results

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
Cal Blank	STD	11/13/13 05:33:34 pm	0.000	-682	2.96		1.00	1.00	1.00
Std1	STD	11/13/13 05:35:52 pm	0.200	1713	0.42		1.00	1.00	1.00
Std2	STD	11/13/13 05:38:10 pm	0.500	4328	0.33		1.00	1.00	1.00
Std3	STD	11/13/13 05:40:29 pm	1.000	8677	0.53		1.00	1.00	1.00
Std4	STD	11/13/13 05:42:48 pm	2.000	17139	0.18		1.00	1.00	1.00
Std5	STD	11/13/13 05:45:08 pm	5.000	42829	0.08		1.00	1.00	1.00
Std6	STD	11/13/13 05:47:28 pm	10.000	84208	0.27		1.00	1.00	1.00

Calibration

Equation: A = 21.296 + 8452.581C
R2: 0.99983
SEE: 447.2808
Flags:



ICV 2378630	ICV	11/13/13 05:57:56 pm	4.232	35790	0.36		1.00	1.00	1.00
% Recovery 105.79									
ICB	ICB	11/13/13 06:01:34 pm	-0.001	9	44.22		1.00	1.00	1.00
CRA 2378631	CRDL	11/13/13 06:06:23 pm	0.203	1739	0.27		1.00	1.00	1.00
% Recovery 101.60									

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
CCV 2378629	CCV	11/13/13 06:08:43 pm	5.141	43472	0.27		1.00	1.00
% Recovery 102.81							1.00	
CCB	CCB	11/13/13 06:11:00 pm	-0.003	-6	54.59		1.00	1.00
							1.00	
MB 280-200319/1-A	UNK	11/13/13 06:13:17 pm	-0.004	-13	20.64		1.00	1.00
							1.00	
LCS 280-200319/2-A	UNK	11/13/13 06:18:01 pm	5.118	43278	0.08		1.00	1.00
							1.00	
280-49047-A-2-G	UNK	11/13/13 06:20:18 pm	0.743	6302	0.51		1.00	1.00
							1.00	
280-49047-A-2-G sd@5	UNK	11/13/13 06:22:36 pm	0.160	1371	0.65		1.00	1.00
							1.00	
280-49047-A-2-H MS	UNK	11/13/13 06:24:54 pm	5.024	42487	0.10		1.00	1.00
							1.00	
280-49047-A-2-I MSD	UNK	11/13/13 06:27:12 pm	4.874	41222	0.89		1.00	1.00
							1.00	
280-49047-A-3-C	UNK	11/13/13 06:29:31 pm	1.362	11533	0.95		1.00	1.00
							1.00	
280-49047-A-4-C	UNK	11/13/13 06:31:49 pm	0.325	2767	0.54		1.00	1.00
							1.00	
280-49047-A-5-C	UNK	11/13/13 06:34:09 pm	0.191	1632	0.17		1.00	1.00
							1.00	
280-49047-A-6-C	UNK	11/13/13 06:36:28 pm	0.859	7283	0.46		1.00	1.00
							1.00	
CCV 2378629	CCV	11/13/13 06:38:48 pm	5.309	44897	0.48		1.00	1.00
% Recovery 106.18							1.00	
CCB	CCB	11/13/13 06:41:04 pm	-0.003	-2	38.33		1.00	1.00
							1.00	
280-49047-A-7-C	UNK	11/13/13 06:43:24 pm	0.340	2897	0.41		1.00	1.00
							1.00	
280-49047-A-8-C	UNK	11/13/13 06:45:44 pm	1.148	9723	1.02		1.00	1.00
							1.00	
280-49047-A-9-C	UNK	11/13/13 06:48:01 pm	1.583	13400	0.64		1.00	1.00
							1.00	

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
MB 280-199719/1-A	UNK	11/13/13 06:50:17 pm	-0.015	-103	6.10		1.00	1.00	1.00
LCS 280-199719/2-A	UNK	11/13/13 06:52:34 pm	3.848	32549	0.51		1.00	1.00	1.00
280-48486-A-1-F	UNK	11/13/13 06:54:52 pm	0.132	1138	0.18		1.00	1.00	1.00
280-48651-A-1-D	UNK	11/13/13 06:57:09 pm	0.216	1847	0.20		1.00	1.00	1.00
280-48651-A-2-B	UNK	11/13/13 06:59:27 pm	0.073	635	0.73		1.00	1.00	1.00
280-48651-A-3-B	UNK	11/13/13 07:01:45 pm	0.238	2030	0.48		1.00	1.00	1.00
280-48651-A-4-B	UNK	11/13/13 07:04:04 pm	0.216	1849	0.22		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:06:23 pm	5.414	45781	0.18		1.00	1.00	1.00
% Recovery 108.27									
CCB	CCB	11/13/13 07:08:40 pm	-0.004	-10	26.42		1.00	1.00	1.00
280-48651-A-5-B	UNK	11/13/13 07:10:59 pm	0.082	716	0.45		1.00	1.00	1.00
280-48651-A-5-B sd@5	UNK	11/13/13 07:13:18 pm	0.014	139	1.39		1.00	1.00	1.00
280-48651-A-5-C MS	UNK	11/13/13 07:15:37 pm	5.452	46106	0.58		1.00	1.00	1.00
280-48651-A-5-D MSD	UNK	11/13/13 07:18:23 pm	5.186	43857	0.20		1.00	1.00	1.00
LCS 280-199719/2-A	UNK	11/13/13 07:20:40 pm	4.360	36877	0.16		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:22:59 pm	5.372	45429	0.22		1.00	1.00	1.00
% Recovery 107.44									
CCB	CCB	11/13/13 07:25:16 pm	-0.007	-35	8.51		1.00	1.00	1.00
MB 280-199718/1-A	UNK	11/13/13 07:27:33 pm	-0.008	-44	13.74		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
LCS 280-199718/2-A	UNK	11/13/13 07:29:50 pm	4.107	34733	0.46		1.00	1.00	1.00
280-48840-A-1-B	UNK	11/13/13 07:32:07 pm	0.441	3753	0.18		1.00	1.00	1.00
280-48840-A-2-B	UNK	11/13/13 07:34:24 pm	0.141	1211	0.19		1.00	1.00	1.00
280-48840-A-3-B	UNK	11/13/13 07:36:41 pm	0.064	566	0.59		1.00	1.00	1.00
280-48840-A-4-B	UNK	11/13/13 07:38:59 pm	0.216	1845	0.35		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 07:41:19 pm	5.413	45778	0.16		1.00	1.00	1.00
% Recovery 108.27									
CCB	CCB	11/13/13 07:43:36 pm	-0.002	4	105.30		1.00	1.00	1.00
280-48840-A-5-D	UNK	11/13/13 07:45:54 pm	0.119	1023	0.39		1.00	1.00	1.00
280-48840-A-5-D sd@5	UNK	11/13/13 07:48:12 pm	0.026	240	0.64		1.00	1.00	1.00
280-48840-A-5-E MS	UNK	11/13/13 07:50:31 pm	5.270	44563	0.27		1.00	1.00	1.00
280-48840-A-5-F MSD	UNK	11/13/13 07:52:50 pm	5.122	43317	0.34		1.00	1.00	1.00
280-48840-A-6-B	UNK	11/13/13 07:55:09 pm	0.070	612	0.06		1.00	1.00	1.00
280-48840-A-7-B	UNK	11/13/13 07:57:29 pm	0.657	5577	0.23		1.00	1.00	1.00
280-48840-A-8-B	UNK	11/13/13 07:59:46 pm	0.388	3298	0.16		1.00	1.00	1.00
280-48840-A-9-B	UNK	11/13/13 08:02:03 pm	0.201	1717	0.12		1.00	1.00	1.00
280-48840-A-10-B	UNK	11/13/13 08:04:20 pm	0.088	768	0.15		1.00	1.00	1.00
280-48840-A-11-B	UNK	11/13/13 08:06:37 pm	0.183	1564	0.30		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
CCV 2378629	CCV	11/13/13 08:08:57 pm	5.455	46127	0.36		1.00	1.00	1.00
% Recovery 109.09									
CCB	CCB	11/13/13 08:11:14 pm	-0.003	0	281.45		1.00	1.00	1.00
280-48840-A-12-B	UNK	11/13/13 08:13:31 pm	0.289	2460	0.32		1.00	1.00	1.00
280-48840-A-13-B	UNK	11/13/13 08:15:49 pm	0.041	370	0.80		1.00	1.00	1.00
280-48840-A-14-B	UNK	11/13/13 08:18:07 pm	0.194	1662	0.23		1.00	1.00	1.00
280-48840-A-15-B	UNK	11/13/13 08:20:26 pm	0.190	1626	0.50		1.00	1.00	1.00
280-48840-A-16-B	UNK	11/13/13 08:22:45 pm	0.193	1650	0.31		1.00	1.00	1.00
280-48840-A-17-B	UNK	11/13/13 08:25:04 pm	0.061	536	0.30		1.00	1.00	1.00
MB 280-200317/1-A	UNK	11/13/13 08:27:23 pm	0.002	37	13.41		1.00	1.00	1.00
LCS 280-200317/2-A	UNK	11/13/13 08:29:42 pm	4.247	35923	0.17		1.00	1.00	1.00
280-48987-A-1-E	UNK	11/13/13 08:32:00 pm	0.154	1324	0.26		1.00	1.00	1.00
280-48987-A-1-E sd@5	UNK	11/13/13 08:34:17 pm	0.032	290	1.36		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 08:36:37 pm	5.456	46136	0.41		1.00	1.00	1.00
% Recovery 109.11									
CCB	CCB	11/13/13 08:38:54 pm	-0.005	-18	23.40		1.00	1.00	1.00
280-48987-A-1-F MS	UNK	11/13/13 08:41:11 pm	5.494	46461	0.17		1.00	1.00	1.00
280-48987-A-1-G MSD	UNK	11/13/13 08:43:28 pm	5.425	45873	0.45		1.00	1.00	1.00
280-48987-A-2-C	UNK	11/13/13 08:45:46 pm	0.042	376	0.71		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF
280-48987-A-4-C	UNK	11/13/13 08:48:04 pm	0.088	767	0.49		1.00	1.00 1.00
280-48987-A-5-C	UNK	11/13/13 08:50:22 pm	0.079	692	0.11		1.00	1.00 1.00
280-48987-A-7-C	UNK	11/13/13 08:52:40 pm	0.279	2379	0.14		1.00	1.00 1.00
280-48987-A-8-C	UNK	11/13/13 08:54:59 pm	0.046	407	0.49		1.00	1.00 1.00
280-49040-A-1-C	UNK	11/13/13 08:57:18 pm	0.134	1152	0.46		1.00	1.00 1.00
280-49040-A-2-C	UNK	11/13/13 08:59:37 pm	0.040	361	0.84		1.00	1.00 1.00
280-49040-A-4-C	UNK	11/13/13 09:01:57 pm	0.115	997	0.47		1.00	1.00 1.00
CCV 2378629 % Recovery 109.80	CCV	11/13/13 09:04:16 pm	5.490	46427	0.31		1.00	1.00 1.00
CCB	CCB	11/13/13 09:06:33 pm	0.000	19	8.84		1.00	1.00 1.00
280-49040-A-5-C	UNK	11/13/13 09:08:51 pm	0.048	426	0.71		1.00	1.00 1.00
MB 280-200734/1-A	UNK	11/13/13 09:11:09 pm	-0.002	8	9.57		1.00	1.00 1.00
LCS 280-200734/2-A	UNK	11/13/13 09:13:26 pm	5.410	45747	0.31		1.00	1.00 1.00
280-48835-A-1-B	UNK	11/13/13 09:15:44 pm	0.377	3210	0.43		1.00	1.00 1.00
280-48835-A-1-B sd@5	UNK	11/13/13 09:18:02 pm	0.080	698	0.42		1.00	1.00 1.00
280-48835-A-1-C MS	UNK	11/13/13 09:20:20 pm	5.662	47882	0.21		1.00	1.00 1.00
280-48835-A-1-D MSD	UNK	11/13/13 09:22:38 pm	5.545	46886	0.28		1.00	1.00 1.00
280-48835-A-2-B	UNK	11/13/13 09:24:56 pm	0.086	744	0.12		1.00	1.00 1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-48835-A-4-B	UNK	11/13/13 09:27:15 pm	0.224	1918	0.38		1.00	1.00	1.00
280-48835-A-6-B	UNK	11/13/13 09:29:34 pm	0.126	1087	0.05		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 09:31:54 pm	5.514	46631	0.22		1.00	1.00	1.00
% Recovery 110.28									
CCB	CCB	11/13/13 09:34:11 pm	-0.004	-13	8.62		1.00	1.00	1.00
280-48835-A-7-B	UNK	11/13/13 09:36:30 pm	0.044	397	0.68		1.00	1.00	1.00
280-48835-A-9-B	UNK	11/13/13 09:38:50 pm	0.066	578	0.48		1.00	1.00	1.00
280-49098-A-1-A	UNK	11/13/13 09:41:08 pm	0.134	1154	0.67		1.00	1.00	1.00
280-49098-A-2-A	UNK	11/13/13 09:43:26 pm	0.147	1267	0.23		1.00	1.00	1.00
280-49098-A-3-A	UNK	11/13/13 09:45:44 pm	0.035	319	0.54		1.00	1.00	1.00
280-49098-A-5-A	UNK	11/13/13 09:48:02 pm	0.177	1514	0.13		1.00	1.00	1.00
280-49098-A-6-A	UNK	11/13/13 09:50:20 pm	0.013	134	2.52		1.00	1.00	1.00
MB 280-200738/1-A	UNK	11/13/13 09:52:38 pm	-0.003	-7	28.48		1.00	1.00	1.00
LCS 280-200738/2-A	UNK	11/13/13 09:54:56 pm	5.472	46274	0.38		1.00	1.00	1.00
280-49045-A-1-C	UNK	11/13/13 09:57:14 pm	1.006	8529	0.25		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 09:59:34 pm	5.490	46424	0.04		1.00	1.00	1.00
% Recovery 109.80									
CCB	CCB	11/13/13 10:01:51 pm	-0.003	-7	54.71		1.00	1.00	1.00
280-49045-A-2-D	UNK	11/13/13 10:04:09 pm	4.700	39747	0.12		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-49045-A-4-C	UNK	11/13/13 10:06:28 pm	0.105	907	0.24		1.00	1.00	1.00
280-49045-A-6-D	UNK	11/13/13 10:08:48 pm	0.148	1274	0.49		1.00	1.00	1.00
280-49045-A-8-C	UNK	11/13/13 10:11:07 pm	0.172	1471	0.63		1.00	1.00	1.00
280-49045-A-10-C	UNK	11/13/13 10:13:26 pm	0.131	1132	0.60		1.00	1.00	1.00
280-49045-A-12-C	UNK	11/13/13 10:15:44 pm	1.313	11117	0.11		1.00	1.00	1.00
280-49045-A-13-C	UNK	11/13/13 10:18:02 pm	5.270	44564	0.44		1.00	1.00	1.00
280-49045-A-14-C	UNK	11/13/13 10:20:20 pm	2.391	20234	0.06		1.00	1.00	1.00
280-49045-A-15-G	UNK	11/13/13 10:22:39 pm	1.374	11638	0.09		1.00	1.00	1.00
280-49045-A-15-H MS	UNK	11/13/13 10:24:57 pm	6.875	58131	0.20		1.00	1.00	1.00
CCV 2378629 % Recovery 118.32	CCV	11/13/13 10:27:16 pm	5.916	50028	0.14		1.00	1.00	1.00
CCB	CCB	11/13/13 10:29:33 pm	-0.005	-19	17.40		1.00	1.00	1.00
280-49045-A-15-I MSD	UNK	11/13/13 10:31:52 pm	7.877	66598	0.39		1.00	1.00	1.00
280-49045-A-16-C	UNK	11/13/13 10:34:10 pm	3.186	26950	0.10		1.00	1.00	1.00
280-49045-A-17-C	UNK	11/13/13 10:36:29 pm	0.068	596	0.42		1.00	1.00	1.00
280-49045-A-18-C	UNK	11/13/13 10:38:48 pm	2.800	23693	1.28		1.00	1.00	1.00
280-49111-A-6-D	UNK	11/13/13 10:41:07 pm	0.098	853	0.43		1.00	1.00	1.00
280-49141-A-1-B	UNK	11/13/13 10:43:27 pm	0.337	2873	0.39		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol.	ODF
280-49126-A-1-D	UNK	11/13/13 10:45:45 pm	9.274	78412	0.59		1.00	1.00	1.00
280-49126-A-2-D	UNK	11/13/13 10:48:04 pm	47.611	402461	0.21	O	1.00	1.00	1.00
280-49126-A-3-D	UNK	11/13/13 10:52:32 pm	65.858	556691	0.19	O	1.00	1.00	1.00
280-49126-A-4-D	UNK	11/13/13 10:57:06 pm	2.518	21310	0.26		1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 10:59:26 pm	5.888	49789	0.16		1.00	1.00	1.00
% Recovery 117.76									
CCB	CCB	11/13/13 11:01:43 pm	-0.001	12	35.15		1.00	1.00	1.00
280-49126-A-5-D	UNK	11/13/13 11:04:01 pm	59.706	504690	0.57	O	1.00	1.00	1.00
MB 280-200739/1-A	UNK	11/13/13 11:08:16 pm	-0.006	-32	20.19		1.00	1.00	1.00
LCS 280-200739/2-A	UNK	11/13/13 11:10:35 pm	6.027	50962	0.13		1.00	1.00	1.00
280-49079-A-1-C	UNK	11/13/13 11:12:53 pm	1.431	12114	0.54		1.00	1.00	1.00
280-49079-A-2-C	UNK	11/13/13 11:15:12 pm	2.419	20467	0.89		1.00	1.00	1.00
280-49079-A-3-C	UNK	11/13/13 11:17:31 pm	4.010	33918	0.58		1.00	1.00	1.00
280-49079-A-4-C	UNK	11/13/13 11:19:51 pm	7.209	60959	0.43		1.00	1.00	1.00
280-49079-A-5-C	UNK	11/13/13 11:22:10 pm	9.376	79274	0.13		1.00	1.00	1.00
280-49079-A-6-G	UNK	11/13/13 11:24:29 pm	13.256	112068	0.57	O	1.00	1.00	1.00
CCV 2378629	CCV	11/13/13 11:27:56 pm	5.953	50341	0.09		1.00	1.00	1.00
% Recovery 119.06									
CCB	CCB	11/13/13 11:30:12 pm	-0.008	-44	4.83		1.00	1.00	1.00

Sample Name	Type	Date/Time	Conc (ppb)	µAbs	%RSD	Flags	Wt.	Vol. ODF

Analysis Parameters

Instrument M-7500 Mercury Analyzer

Conditions

Gas flow (mL/min)	Sample Uptake (s)	Rinse (s)	Read delay (s)	Replicates (#)	Replicate time (s)	Pump speed (%)	Wavelength (nm)
100	40.00	90.00	61.00	4	1.50	50	253.65

Instrumental Zero

Zero before first sample: No

Zero periodically: Yes

Before each calibration.

Baseline Correction

#1 Start time (s)	#1 End time (s)	#2 Start time (s)	#2 End time (s)
20.00	24.00		

Standby Mode

Enabled: Yes

Standby Options: pump slow

Autodilution

Enabled: No

Condition:

Tube # range:

If no autodilution tubes remaining

Calibration

Settings

Algorithm	Through blank	Weighted fit	Cal. Type	Racalibration rate	Reslope rate	Reslope standard
Linear	No	No	Normal	0	0	N/A

Limits

Calibration slope		Reslope		Coeff. of Determination
Lower (%)	Upper (%)	Lower (%)	Upper (%)	
20	150	75	125	0.99500

Error action: Flag and continue

QC

GLP Override: Yes

QC Tests

CCB

Concentration (ppb)
0.1000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICB

Concentration (ppb)
0.0500

Failure flag: Z

Error action for manually inserted QC: Stop analysis

CCV

Concentration (ppb)	Low Limit %	High Limit %
5.0000	80.0000	120.0000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

ICV

Concentration (ppb)	Low Limit %	High Limit %
4.0000	94.6000	110.4000

Failure flag: Q

Error action for manually inserted QC: Stop analysis

CRDL

Concentration (ppb)	Low Limit %	High Limit %
0.2000	50.0000	150.0000

Failure flag: Y

Error action for manually inserted QC: Stop analysis

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 199600 Batch Start Date: 11/08/13 07:50 Batch Analyst: Rhoades, Chris R

Batch Method: 3050B Batch End Date: 11/08/13 12:50

Lab Sample ID	Client Sample ID	Method Chain	Basis	CalcMsg	InitialAmount	FinalAmount	ICP SPK 2A 00066	ICP SPK 3A 00070	
MB 280-199600/1		3050B, 6010C		CALC NOT SET TO RUN	1.08 g	100 mL			
LCS 280-199600/2		3050B, 6010C		CALC NOT SET TO RUN	1.16 g	100 mL	1 mL	1 mL	
280-48486-A-1	AOI474BF	3050B, 6010C	T	CALC NOT SET TO RUN	1.01 g	100 mL			

Batch Notes	
Acid used for pH adjustment	0000050770-10/21
Balance ID	24750836
Filter Paper Lot Number	400064
Hydrogen peroxide lot number	0000036261-9/30
Lot # of hydrochloric acid	0000055129-10/31
Lot # of Nitric Acid	000050770-10/21
Hood ID or number	09
Hot Block ID number	02 E5
Oven, Bath or Block Temperature 1	92 Degrees C
Oven, Bath or Block Temperature 2	95 Degrees C
Pipette ID	MET-007
Temperature	94 Degrees C
ID number of the thermometer	MP2
Digestion Tube/Cup Lot #	1303205
Uncorrected Temperature	92 Celsius
Uncorrected Temperature 2	95 Degrees C

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 199719 Batch Start Date: 11/13/13 15:00 Batch Analyst: Mooney, Joseph C

Batch Method: 7471B Batch End Date: 11/13/13 15:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	Hg Daily Spk 00943			
MB 280-199719/1		7471B, 7471B		.58 g	50 mL				
LCS 280-199719/2		7471B, 7471B		.58 g	50 mL	2.5 mL			
280-48486-A-1	AOI474BF	7471B, 7471B	T	.58 g	50 mL				

Batch Notes	
Hydroxylamine Hydrochloride Lot	2CF0261-11/12
Aqua Regia Lot Number	42514-11/13
Balance ID	24750837
Lot # of hydrochloric acid	40272-11/11
Lot # of Nitric Acid	42514-11/13
Hood ID or number	HOOD3
Hot Block ID number	12 E-6
Potassium Permanganate Lot Number	0000047557-11/13
NaCL Lot #	0000041327-9/25
Oven, Bath or Block Temperature 1	95 Celsius
Oven, Bath or Block Temperature 2	95 Celsius
Pipette ID	MET58
Stannous Chloride Lot Number	0000055057-11/12
SOP Number	DVMT0023
ID number of the thermometer	HG-1
Digestion Tube/Cup Lot #	MH21KK06
Uncorrected Temperature	95 Celsius
Uncorrected Temperature 2	95 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG No.:

Project: Griffiss AFB Building 3

Client Sample ID	Lab Sample ID
AOI474BF	280-48486-1

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job Number: 280-48486-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture LOQ Date: 11/01/2009 00:00

Analyte	Wavelength/ Mass	LOQ (%)	
Percent Moisture		0.1	
Percent Solids		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/30/2013 14:00 End Date: 10/30/2013 14:00

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			14:00																					
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280-48486-1	1	T	14:00	X	X																			
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 10/30/2013 14:00 End Date: 10/30/2013 14:00

Prep Types
T = Total/NA

Wet Chemistry Data Review Checklist For Gravimetric Methods

Test Name/Method #: % m Analysis Date: 10/30/13 - 10/31/13

SOP #: WC-0066 Analyst: Beth Neeley Instrument: Balance

Lot / Sample Numbers	Matrix	Prep Batch	Batch	Method	Special Inst
48469	Soil	T	198522	% m	Q4
48505	↓	↓	↓	↓	↓
48486	↓	↓	↓	↓	↓
48380	↓	↓	↓	↓	↓
48399	↓	↓	↓	↓	↓
	↓	↓	↓	↓	↓
	↓	↓	↓	↓	↓

A. Balance, Oven, and DI Water QC Checks	Yes	No	N/A	2nd Level
1. Was the balance calibration verified before and after processing samples and noted in the "Balance Calibration Log" for the date(s) the samples were processed?	✓			X
2. Was the oven temperature within method requirements and recorded in the "Oven Temperature" logbook for the date(s) the samples were processed?	✓			X
3. Was the daily conductivity check of the deionized water recorded in the "Conductivity Logbook"?			✓	X
B. Method Requirements				
1. If sample is visibly oily, was this noted on the benchsheet?			✓	✓
2. Was final residue weight within minimum/maximum requirements?	✓			✓
3. Were the initial and final drying dates and times recorded on the benchsheet and were all samples dried for at least one hour?	✓			✓
C. Sample Results				
1. TDS/Conductivity ratio or historical data checked?			✓	✓
2. For % Moisture, was the Final Dried Weight < the Initial Pan Weight or is the result greater than 100%?		✓		✓
3. Were sample analyses done within holding time?			✓	✓
4. Were special client requirements met?	✓			✓
5. Were data that were manually transcribed from instrument printouts into TALS verified 100% including significant figures and units?			✓	✓
6. Do the prep and analysis dates in TALS reflect the actual dates? Lots/Dates report checked?	✓			✓
7. STD/True Value information is updated and included?	✓			✓
8. Are raw data copies prepared, scanned, and uploaded?	✓			✓
D. Preparation/Matrix QC				
1. Method blank < RL or all reported samples > 10 X RL?			✓	✓
2. Method blank < ½ RL or NCM provided?			✓	✓
3. LCS/LCSD run for batch and within QC limits?			✓	✓
4. DUP run for batch and RPD < 20% for samples >5 X RL?	✓			✓

Analyst: Beth Neeley Date: 10/31/13

Comments:

2nd Level Reviewer: [signature] Date: 10/31/13

Comments:

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Denver Job No.: 280-48486-1

SDG No.:

Batch Number: 198522 Batch Start Date: 10/30/13 14:00 Batch Analyst: Neeley, Beth A

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
280-48486-A-1	AOI474BF	Moisture	T	10	1.34 g	17.72 g	16.06 g		

Batch Notes	
Balance ID	H31422 No Unit
Date samples were placed in the oven	10/30/13
Oven Temp when samples are put in oven	104 Degrees C
Time samples were place in the oven	1457
Date samples were removed from oven	10/31/13
Oven Temp when samples removed from oven	105 Degrees C
Time Samples were removed from oven	0720
Oven ID	Moisture
ID number of the thermometer	F
Uncorrected In Temperature	104 Celsius
Uncorrected Out Temperature	105 Celsius

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

280-46486 Chain of Custody

41 IRA
MG 10/25/13

AFCEE
CHAIN OF CUSTODY RECORD (WO)

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

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

Analyses requested

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

Sample Condition Upon Receipt at Laboratory: Cooler temperature:

Special Instructions/Comments: Parameter List: (According to AFCEE QAPP 4.0)
Note 1: VOCs: AFCEE QAPP 4.0 List.
Note 2: SVOCs: AFCEE QAPP 4.0 List, PCBs: AFCEE QAPP 4.0 List, Pesticides: AFCEE QAPP 4.0 List.
Note 3: Metals: AFCEE QAPP 4.0 List.

#1 Released by: (Sig)	Date:	#2 Released by: (Sig)	Date: 10/25/13	#3 Released by: (Sig)	Date:
Company Name:	Time:	Company Name: FPM	Time: 1500	Company Name:	Time:
#1 Received by: (Sig) Daniel Baldyga	Date:	#2 Received by: (Sig)	Date: 10/28/13	#3 Received by: (Sig)	Date:
Company Name: FPM	Time:	Company Name: TAD	Time: 835	Company Name:	Time:

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

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

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

Login Sample Receipt Checklist

Client: FPM Remediations Inc

Job Number: 280-48486-1

Login Number: 48486

List Source: TestAmerica Denver

List Number: 1

Creator: Branda, Alex N

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Appendix D
Waste Profile and Disposal Manifests

Oneida Herkimer Solid Waste Management Authority

Generators Waste Profile Sheet For the Oneida Herkimer Regional Landfill

Waste Profile On File? Yes ☐ No☒ Profile Number: OHSWA _____

☐ Hazardous ☒ Non-Hazardous ☐ TSCA Renewal Date: _____

A. Waste Generator Information

1. Generator's Name: Air Force (AFCEC) 2. SIC Code: _____
3. Generator's Street Address: 706 Brooks Road 4. Phone: (315) 356-0810 ext.204
5. Generator's City: Rome 6. State: New York
7. Zip/Postal Code: 13441 8. Generator USEPA/Federal ID#: NY4571924451
9. County: Oneida 10. State ID#: _____
11. Company Name (Billing): FPM Remediations 12. Customer Phone: (315) 336-7721 ext. 207
13. Billing Contact: Daniel Baldyga 14. Customer Fax: (315) 336-7722
15. Billing Address: 584 Phoenix Drive Rome, New York 13441 Same as Above☐
16. Credit Application on file: ☒ YES ☐ NO 17. Authority Account Number: _____

B. Description of Waste Stream

1. Description

a. Name of Waste: Excavated Soils, Area of Interest 72

b. Process Generating Waste: Excavation of soils.

c. Color	d. Strong odor (describe)	e. Physical State @ 70° F	f. Layers	g. Free Liquid Range
Brown	No odor	☒ Solid ☐Liquid ☐Gas ☐Sludge ☐Other	☒ Single Layer ☐ Multi Layer	_____ to _____ %
				h. pH Range _____ to _____ %

i. Liquid Flash Point: ☐<73°F ☐73-99°F ☐100-139°F ☐140-199°F ☐>200°F ☒Not Applicable

j. Chemical Composition (List all constituents (including halogenated organics, debris, and UHC'S) present in any concentration and submit representative analysis)

Constituents	Concentration Range	Constituents	Concentration Range
***See Lab Results in attached spreadsheet and attached CD containing lab packets (file names - *J50385-1 **Std**_Tal_L4_ Package_Mini Final Report, AOI 72 TCLP Results, and AOI72 Site Investigation Results*			

Total Composition Must Equal Or Exceed 100%

k. ☐ Oxidizer ☐ Pyrophoric ☐ Explosive ☐ Radioactive
☐ Carcinogen ☐ Infectious ☐ Shock Sensitive ☐ Water Reactive

l. Does the waste represented by this profile contain any carcinogens which require OHSA notification (List in Section B.1.j)..... ☐ Yes ☒No

m. Does the waste represented by this profile contain any dioxins? (List Section B.1.j)..... ☐ Yes ☒No

n. Does the waste represented by this profile contain any asbestos..... ☐ Yes ☒No
If yes ..... ☐Friable ☐ Non-Friable

o. Does the waste represented by this profile contain benzene?..... ☐ Yes ☒No
If yes, concentration _____ ppm
Is the waste subject to the benzene waste operations NESHAP?..... ☐ Yes ☒No

Oneida Herkimer Solid Waste Management Authority

Generators Waste Profile Sheet For the Oneida Herkimer Regional Landfill

p. Is the waste subject to RCRA Subpart CC Controls? ☐ Yes ☒ No
q. Does the waste contain any Class I or Class II ozone depleting chemicals? ☐ Yes ☒ No
r. Does the waste contain debris? ☐ Yes ☒ No

2. Quantity of Waste

Estimated Annual Volume 150 ☒ Yards ☐ Tons ☐ Drums ☐ Other (specify) _____

3. Shipping Information

a. Packaging:

☒ Bulk Solid; Type/Size: **10 wheeler dump truck (20y)** ☐ Bulk Liquid; Type/Size: _____

☐ Drum; Type; Size: _____ ☐ Other: _____

b. Shipping Frequency: Units **8** Per: ☐ Month ☐ Quarter ☐ Year ☐ One Time

Other: **One dump truck will be used making 8 trips.**

c. Is this a US Department of Transportation (USDOT) Hazardous Material? (if no skip d, e, and f) ☐ Yes ☒ No

d. Reportable Quantity: (lbs,kgs): _____ e. Hazard Class/ID # _____

f. USDOT Shipping Name: _____

g. Personal Protective Equipment Requirement: None

h. Hauler / Transporters Name: Fred Burrows Trucking

i. DEC 364 Permit on file: ☒ Yes ☐ No

C. Generators Certification (Please check appropriate responses, sign, and date below.)

1. Is this a USEPA hazardous waste (40 CFR part 261)? If the answer is no skip to 2 ☐ Yes ☒ No
   a. If yes, identify ALL USEPA listed and characteristic waste codes (D, F, K, P, U)

   _____

   b. If a characteristic hazardous waste, do underlying hazardous constituents (UHCs) apply? (If yes list in section (B.1.j) ☐ Yes ☐ No
   c. Does this waste contain debris? (If yes list the size and type in chemical composition B.1) ☐ Yes ☐ No

2. Is this a state hazardous waste? ☐ Yes ☒ No
   Identify **ALL** state hazardous waste codes _____

   _____

3. Is the waste from a CERCLA (40 CFR 300, Appendix B) or state mandated clean up? ☒ Yes ☐ No
   If yes, attach Record of Decision (ROD), 104/106 or 122 order or court order that governs site clean-up activity. For state mandated clean-up, provide relevant documentation.

ROD not required for this site. Reference Final Removal Action Work Plan AOI 72 December 2013

4. Does the waste represented by this waste profile sheet contain radioactive material, or is disposal regulated by the Nuclear Regulatory Commission? ☐ Yes ☒ No

5. Does the waste represented by this waste profile sheet contain concentrations of Polychlorinated Biphenyls (PCBs) regulated by 40 CFR 761? ☐ Yes ☒ No
   (If yes, list chemical composition B.1.j)
   a. If yes, were the PCBs imported into the U.S.? ☐ Yes ☐ No

6. Do the waste profile sheet and all attachments contain true and accurate descriptions of the Waste material, and has all relevant information within the possession of the Generator Regarding known or suspected hazards pertaining to the waste been disclosed to the Contractor? ☒ Yes ☐ No

Oneida Herkimer Solid Waste Management Authority

Generators Waste Profile Sheet For the Oneida Herkimer Regional Landfill

7. Will all changes which occur in the character of the waste be identified by the Generator and disclosed to the Contractor prior to providing the waste to the Contractor?..... ☒Yes ☐No

☒ Check here if Certification of Destruction or Disposal is required.

Any Sample submitted is representative as defined in 40 CFR 261 – Appendix I or by using an equivalent method. I authorize OHSWA to obtain a sample from any waste shipment for purposes of recertification. If this certification is made by a broker, the undersigned signs as authorized agent of the generator and has confirmed the information contained in this profile sheet from information provided by the generator and additional information as it has determined to be reasonably necessary. If approved for management, Contractor has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

Certification Signature: Catherine Jerrard Title: BMRC Env. Coordinator

Name (Type or Print): CATHERINE JERRARD Company Name: AFCEC Date: 4/2/2014

☒Check if additional information is attached. Indicate the number of attached pages 5

D. OHSWA Management's Decision

1. Precautions, Special Handling Procedures, or Limitation on Approval: _____

2. Direct haul to Regional Landfill:..... ☐ Yes ☐ No

3. Commingle waste at Eastern or Western Transfer Stations:..... ☐ Yes ☐ No

4. Waste Form: _____

5. Waste Class: ☐ DH SW ☐ MSW ☐ C&D ☐Sludge ☐ CS ☐ ADC ☐ Select C&D ☐ Asbestos

Special Waste Decision:..... ☐ Approved ☐Disapproved

Special Waste Approvals Signature: _____ Date: _____

Instructions

ONEIDA-HERKIMER SOLID WASTE AUTHORITY
UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 733-1224

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72

DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Baldyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] Title: BRAC ENV. COORDINATOR Date: 4/16/14

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows

AUTHORITY PERMIT NUMBER: 6A-108

DRIVER'S NAME (PRINT): Harold Rosenkranse JR.

TICKET NUMBER:

DRIVERS SIGNATURE: [signature]

TRAILER NUMBER: B-485

DATE OF SHIPMENT OF MATERIAL: 4/16/14

COMMENTS:

CONTAINER SIZE / TYPE:

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: ONSWA RLF

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont

DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
990592	83700	28440	27.63 / 55260

DISPOSAL FACILITY CERTIFICATION:

SIGNATURE: [signature] TITLE: Dedeep DATE: 4-16-15

COMMENTS:

COPY DISTRIBUTION:
WHITE COPY – ONEIDA-HERKIMER SOLID WASTE AUTHORITY
YELLOW COPY – DISPOSAL FACILITY
PINK COPY – GENERATOR/HAULER/TRANSPORTER COPY

L490

ONEIDA-HERKIMER SOLID WASTE AUTHORITY
UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 733-1224

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72

DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Baldyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

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Generators Signature: [signature] Title: BRAC ENV. COORD. Date: 4/16/14

AFCEC

HAULER

TRANSPORTING COMPANY NAME: MLB Trucking

AUTHORITY PERMIT NUMBER: 6A 378

DRIVER'S NAME (PRINT): C.F. Lorraine

TICKET NUMBER:

DRIVERS SIGNATURE: C.F. Lorraine

TRAILER NUMBER: L490

DATE OF SHIPMENT OF MATERIAL: 4/16/14

COMMENTS:

CONTAINER SIZE / TYPE:

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: OHSCA RLF

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil

DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
1990601	76280	28560	47720 / 2386

DISPOSAL FACILITY CERTIFICATION: [signature] Scalper Operator 4-16-14

SIGNATURE TITLE DATE

COMMENTS:

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GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72

DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Baldyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] AFCEC — Title: BRAC ENV. COORD — Date:

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows Trucking

AUTHORITY PERMIT NUMBER: 6A108

DRIVER'S NAME (PRINT): Steve Green

TICKET NUMBER:

DRIVERS SIGNATURE: [signature]

TRAILER NUMBER: B530

DATE OF SHIPMENT OF MATERIAL: 4-16-14

COMMENTS:

CONTAINER SIZE / TYPE: Dump

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: OHSLW RLF

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil

DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
199066	78600	27140	25 72 51460

DISPOSAL FACILITY CERTIFICATION: [signature] SIGNATURE — Scalep TITLE — 4-16-14 DATE

COMMENTS:

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UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 733-1224

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72

DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Balyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] Title: BRAC ENV. COORD Date:

AFCEC

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows Trucking

AUTHORITY PERMIT NUMBER:

DRIVER'S NAME (PRINT): Scott Wakefield

TICKET NUMBER:

DRIVERS SIGNATURE: [signature]

TRAILER NUMBER:

DATE OF SHIPMENT OF MATERIAL: 4/16/14

COMMENTS:

CONTAINER SIZE / TYPE: B455

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: OHSWA RLF

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil

DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
990497	81300	28280	26.51. 53020

DISPOSAL FACILITY CERTIFICATION:

[signature] SIGNATURE Scalecp TITLE 4-16-14 DATE

COMMENTS:

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GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72

DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Balyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

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Generators Signature: [signature] Title: BRAC ENV. COORD AFCEC Date:

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows Trucking / Excavating

AUTHORITY PERMIT NUMBER: 6A-378

DRIVER'S NAME (PRINT): Larry Sullivan

TICKET NUMBER: 465

DRIVERS SIGNATURE: [signature]

TRAILER NUMBER:

DATE OF SHIPMENT OF MATERIAL: 4/16/14

COMMENTS:

CONTAINER SIZE / TYPE: 16 yard

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: OHSUNRLF

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil

DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
990511	53100	28100	~~30.08~~ 28.99 tons 57980

DISPOSAL FACILITY CERTIFICATION: [signature] SIGNATURE; Oper TITLE; 4-16-14 DATE

COMMENTS:

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GENERATION SITE

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DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Baldyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

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Generators Signature: Esther Dennard — Title: BHAC ENV. COORD — Date: AFTEC

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows

AUTHORITY PERMIT NUMBER: 64-108

DRIVER'S NAME (PRINT): Harold Rosenkranse JR

TICKET NUMBER:

DRIVERS SIGNATURE: Harold Rosenkranse JR

TRAILER NUMBER: B-485

DATE OF SHIPMENT OF MATERIAL: 4/16/14

COMMENTS:

CONTAINER SIZE / TYPE:

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: OHSWA Bluff

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil

DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
1990510	82460	28500	53960 26.98

DISPOSAL FACILITY CERTIFICATION: Pat Carpenter — SIGNATURE — Scalep — TITLE — 4-16-15 — DATE

COMMENTS:

COPY DISTRIBUTION:
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L490

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GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72

DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Bardyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] NFGEC — Title: BRAC ENV. COORD — Date: 4/16/14

HAULER

TRANSPORTING COMPANY NAME: ALB Trucking

AUTHORITY PERMIT NUMBER: 6A 378

DRIVER'S NAME (PRINT): C.F. Lorraine

TICKET NUMBER:

DRIVERS SIGNATURE: C.F. Lorraine

TRAILER NUMBER: L490

DATE OF SHIPMENT OF MATERIAL: 4/16/14

COMMENTS:

CONTAINER SIZE / TYPE:

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: OHSWD RLF

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil

DATE RECEIVED:

SCALE TICKET NUMBER: 190519	FULL WEIGHT: 58260	EMPTY WEIGHT: 28660	NET WEIGHT: 29600

DISPOSAL FACILITY CERTIFICATION: [signature] — SIGNATURE — Scalper — TITLE — 4-16-14 — DATE

COMMENTS:

COPY DISTRIBUTION:
WHITE COPY – ONEIDA-HERKIMER SOLID WASTE AUTHORITY
YELLOW COPY – DISPOSAL FACILITY
PINK COPY – GENERATOR/HAULER/TRANSPORTER COPY

ONEIDA-HERKIMER SOLID WASTE AUTHORITY
UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 733-1224

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72

DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Balyga / FPM

TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441

TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] Title: BRAC ENV. COORDINATOR Date: 4/16/14

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows' Trucking

AUTHORITY PERMIT NUMBER: 671 of

DRIVER'S NAME (PRINT): Steve Treen

TICKET NUMBER:

DRIVERS SIGNATURE: [signature]

TRAILER NUMBER: B530

DATE OF SHIPMENT OF MATERIAL: 4-16-14

COMMENTS:

CONTAINER SIZE / TYPE: Dump

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: ONUNDA RLF

DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil

DATE RECEIVED:

SCALE TICKET NUMBER: 1990528	FULL WEIGHT: 60820	EMPTY WEIGHT: 27200	NET WEIGHT: 32.81 / 65620

DISPOSAL FACILITY CERTIFICATION: [signature] SIGNATURE Scalcop TITLE 4-16-14 DATE

COMMENTS:

COPY DISTRIBUTION:
WHITE COPY – ONEIDA-HERKIMER SOLID WASTE AUTHORITY
YELLOW COPY – DISPOSAL FACILITY
PINK COPY – GENERATOR/HAULER/TRANSPORTER COPY

ONEIDA–HERKIMER SOLID WASTE AUTHORITY
UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 733-1224

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72
DATE: 4/15/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Baldyga / FPM
TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441
TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature AFCEC — Title BASE ENV COORDINATOR — Date

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows Trucking
AUTHORITY PERMIT NUMBER:

DRIVER'S NAME (PRINT): Scott Wakefield
TICKET NUMBER:

DRIVERS SIGNATURE:
TRAILER NUMBER:

DATE OF SHIPMENT OF MATERIAL: 4/16/14
COMMENTS: B-455
CONTAINER SIZE / TYPE:

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: ONSLO RLA
DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil
DATE RECEIVED:

SCALE TICKET NUMBER:	FULL WEIGHT:	EMPTY WEIGHT:	NET WEIGHT:
990575	77820	58320	24800 49600

DISPOSAL FACILITY CERTIFICATION:

Patrick Bentley — SIGNATURE — Dc Supp — TITLE — 4-16-14 — DATE

COMMENTS:

COPY DISTRIBUTION:
WHITE COPY – ONEIDA-HERKIMER SOLID WASTE AUTHORITY
YELLOW COPY – DISPOSAL FACILITY
PINK COPY – GENERATOR/HAULER/TRANSPORTER COPY

ONEIDA–HERKIMER SOLID WASTE AUTHORITY
UNIFORM TRACKING DOCUMENT

1600 Genesee Street, Utica, NY 13502 (315) 733-1224

GENERATION SITE

FACILITY NAME OR ORIGIN OF MATERIAL/STREET LOCATION: Former Griffiss AFB / AOI 72
DATE: 4/16/14

CONTACT PERSON OR SITE REPRESENTATIVE: Daniel Baldyga / EPM
TITLE: P.M.

FACILITY LOCATION/MAILING ADDRESS: 584 Phoenix Drive, Rome NY 13441
TELEPHONE NUMBER: 336-7721 ext 207

WASTE TYPE / PROFILE #	Estimate Yards	Container Type	Container #
A: Contaminated Soils / CS0414-03	A. 20	A.	A.
B:	B.	B.	B.

Certification - I hereby declare that the contents of this consignment are classified as non-hazardous and are in fact sewage sludge, construction and demolition debris or special handling waste as defined in NYCRR Part 364 for which disposal has been approved or which tracking has been requested. The disposal of material has been approved and the tracking is requested by the Oneida – Herkimer Solid Waste Authority. I certify that the above information is true and correct and that if waste shipment is not as I have stated, I will accept the return of the load at my (generator's) expense.

Generators Signature: [signature] AFCEC | Title: BRAC ENV. COORD. | Date:

HAULER

TRANSPORTING COMPANY NAME: Fred Burrows Trucking Freedom
AUTHORITY PERMIT NUMBER: 6A 378

DRIVER'S NAME (PRINT): Larry Sullivan
TICKET NUMBER: T-4165

DRIVERS SIGNATURE: [signature]
TRAILER NUMBER:

DATE OF SHIPMENT OF MATERIAL: 4/16/14
COMMENTS:
CONTAINER SIZE / TYPE: 16 yard

DISPOSAL FACILITY

DISPOSAL FACILITY NAME: CWSLF
DISPOSAL SITE REPRESENTATIVE NAME:

WASTE TYPE RECEIVED: Cont Soil
DATE RECEIVED:

SCALE TICKET NUMBER: 190594	FULL WEIGHT: 58dd	EMPTY WEIGHT: 28dd	NET WEIGHT: 27300 / 54600

DISPOSAL FACILITY CERTIFICATION:
[signature] SIGNATURE | Dir Coop TITLE | 4-16-14 DATE

COMMENTS:

COPY DISTRIBUTION:
WHITE COPY – ONEIDA-HERKIMER SOLID WASTE AUTHORITY
YELLOW COPY – DISPOSAL FACILITY
PINK COPY – GENERATOR/HAULER/TRANSPORTER COPY

Appendix E
Field Activities Photos



Pre-excavation, Northwest corner

Pre-excavation, Southeast corner





Pre-excavation, Bucket Cleaning

Pre-excavation, Equipment Blank Collection





Pre-excavation, Dump Truck

Excavation and Dump Truck





Excavation, Top 2 ft of soil for backfill in background

Excavation, Southern Portion with backfill in background





Excavation, Southern Portion

Excavation, Southern Portion





Excavation, Southern Portion moving into Northern Portion

Excavation, Northern Portion





Excavation, Northern Portion

Excavation, Backfill of Northern Portion





Excavation, Backfill

Excavation, Backfill





Excavation, Backfill

Excavation, Backfill





Excavation, Backfill



Excavation, Restoration



Excavation, Restoration

Appendix F
Validated Laboratory Results

FPM Remediations
Data Verification and Usability Report
Former Griffiss AFB
AOI 72

Contract No. FA8903-10-D-8595, Delivery Order No. 0014
FPM Project No. 1015-11-01

TestAmerica Job # 280-54473-1

Laboratory:	TestAmerica Laboratories, Inc.
Sample Matrix:	Soil
Number of Samples:	5
Analytical Protocol:	DOD QSM version 4.2, as per project-specific UFP QAPP
Data Reviewer:	Connie van Hoesel
Sample Date:	April 16, 2014

LIST OF DATA VERIFICATION SAMPLES

This verification report pertains to the following environmental samples and corresponding QC samples:

Sample ID	Date	QC Samples	Date
AOI72BT0106AA	4/16/14		
AOI72BT0206AA	4/16/14	041614AE, 041614AF, 041614AR	4/16/14

Notes:

Refer to attached chain-of-custody for detailed sampling information and sample specific analyses requested.
AA – Primary environmental samples
AE – Equipment blank sample
AF – Field blank sample
AR – Trip blank sample

DELIVERABLES

The data deliverable report was per requirements of the DOD QSM, version 4.2, as specified in the project-specific QAPP. The report consisted of the following major sections: lab attachment letter, case narrative, chain-of-custody, lab qualifier definitions, analytical results (sheet 2) based on analytical batch, calibration summaries, method blank summaries, laboratory control sample summaries, matrix spike/matrix spike duplicate summaries, holding time forms, performance checks, surrogate and internal standard recoveries, as applicable.

ANALYTICAL METHODS

The analytical test methods and QA/QC requirements used for the sample analyses were per methods as specified in the DOD QSM, version 4.2, with project-specific modifications as listed in the project-specific QAPP. The analytical method employed included SW-846: Volatile Organic Compounds (VOCs) by Method 8260B,.

VERIFICATION GUIDANCE

The analytical work was performed by TestAmerica Denver in accordance with the DOD QSM, version 4.2, and QC requirements of the respective analytical methods and of the project-specific QAPP. The data usability analysis was based on the reviewer's professional judgment and on an assessment of how this data would fare with respect to the DOD QSM, and the criteria as listed in the project-specific QAPP.

QA/QC CRITERIA

The following QA/QC criteria were reviewed for the VOCs analyses, as applicable:

- Limits of Detection and Limits of Quantitation (LOD, LOQ)
- Holding times
- GC/MS tune performance
- Initial and Continuing calibration summaries
- Method blanks
- Field duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) analysis
- Surrogate spike recoveries
- Internal standard areas counts and retention times
- Laboratory control samples (LCS)
- Results reported between LOD and LOQ (J-flag)
- Sample storage and preservation
- Data system printouts
- Qualitative and quantitative compound identification
- Chain-of-custody (COC)
- Case narrative and deliverables compliance

The items listed above were in compliance with DOD QSM, version 4.2, and project-specific QAPP criteria and protocols with exceptions discussed in the text below. The data have been verified according to the procedures outlined above and qualified accordingly.

GENERAL NOTES:

SAMPLE LABELING/CHAIN-OF-CUSTODY

No errors in the chain-of-custody were noted. There were no discrepancies noted between the sample labels and the chain-of-custody, or the cooler contents and the chain-of-custody.

MS/MSD

For VOCs, the lab performed matrix spike and matrix spike duplicate samples for an internal quality control sample. Since these samples were not requested by FPM in the chain-of-custody, no action was taken for the MS/MSD criterion.

VOLATILE ORGANIC COMPOUNDS (VOCs)

- Laboratory control samples (LCS) are samples spiked with all analytes of interest at known concentrations. The following table summarizes QC exceedances of the LCS analysis. The LCS ID, percent recovery, and QC limits are listed.

LCS Job Number Spike Analytes	LCS %Rec	QC Limits (%)	Flag Applied	Rationale
TestAmerica Job #280-54473-1: LCS 280-222940/6 and /7				
LCS: 2-Hexanone	***76***	55-130	None	%Rec within control limits, but RPD for LCS/LCSD 34%
LCSD: 2-Hexanone	***107***			
LCS: 4-methyl-2-pentanone	***74***	60-135	None	%Rec within control limits, but RPD for LCS/LCSD 36%
LCSD: 4-methyl-2-pentanone	***106***			

The LCS analyses are used to assess the overall laboratory performance pertaining to the analytical method. The QAPP includes method-specific QC acceptance criteria for the percent recovery of the spike compounds. The LCS results are used to evaluate each analytical batch and to determine if the method is within control limits. When an LCS analyte is outside the acceptance limit, the laboratory shall perform corrective action. If the corrective action is ineffective in resolving the exceedance, then that analyte's results in all the associated samples are qualified. According to the QAPP, when the percent recovery (%Rec) is greater than the upper control limit, positive results are considered estimated (flagged "J"); and when the %Rec is less than the lower control limit, positive values are estimated (flagged "J") and non-detects are estimated (flagged "UJ"), unless a very low bias (<30%) is observed, in which case the non-detects are rejected (flagged "R").
Corrective Action: An LCS exceedance requires corrective action when the recovery is outside the control limits. Although the RPD between the two LCS samples was greater than the control limit (30%), no corrective action was required since the individual recoveries were within limits. Using professional judgment, no flagging was deemed required in the associated samples.

DATA USABILITY RETS

VOCs

Based on the evaluation of all information in the analytical data groups, the results for VOCs are usable with the data qualifiers as noted. Using the verification approach as presented above, the results for all above samples are 100% usable.

DATA USABILITY SUMMARY

All data in Job # 280-54473-1 are valid and usable with qualifications as noted in the data review.

Signed: Concordia Van Hoesel Date: 6/23/14

ATTACHMENTS

- Laboratory's case narrative
- Chains of Custody
- Qualified final data verification results on annotated Lab Sheet 2s

SAMPLE SUMMARY

Client: FPM Remediations Inc

Job Number: 280-54473-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
280-54473-1	AOI72BT0106AA	Solid	04/16/2014 0945	04/18/2014 1000
280-54473-2	AOI72BT0206AA	Solid	04/16/2014 0810	04/18/2014 1000
280-54473-3	041614AE	Water	04/16/2014 0655	04/18/2014 1000
280-54473-4	041614AF	Water	04/16/2014 0950	04/18/2014 1000
280-54473-5	041614AR	Water	04/16/2014 0645	04/18/2014 1000

CASE NARRATIVE
Client: FPM Remediations Inc
Project: Griffiss AFB AOI 72
Report Number: 280-54473-1

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

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

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

RECEIPT

Five samples were received on 4/18/2014 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.7° C.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - SOIL

Samples AOI72BT0106AA (280-54473-1) and AOI72BT0206AA (280-54473-2) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/21/2014.

Carbon disulfide and Naphthalene were detected in method blank MB 280-222190/1-A at levels that were above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. However, because the result concentration was less than ½ the reporting limit, no corrective action was necessary.

1,2,3-Trichloropropane failed the recovery criteria low, and exhibited RPD data outside of QC control limits for the MS/MSD of sample AOI72BT0106AA (280-54473-1) in batch 280-222190. The associated laboratory control sample (LCS) recoveries met acceptance criteria, and the sample results have been flagged accordingly.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS) - WATER

Samples 041614AE (280-54473-3), 041614AF (280-54473-4) and 041614AR (280-54473-5) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/25/2014.

The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) recovered outside control limits for the following analytes: 4-Methyl-2-pentanone and/or 2-Hexanone. The associated LCS/LCSD recoveries were in control, demonstrating that operating procedures were in control; therefore; corrective action was deemed unnecessary. The associated data have been flagged accordingly.

No other difficulties were encountered during the VOC analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS

Samples AOI72BT0106AA (280-54473-1) and AOI72BT0206AA (280-54473-2) were analyzed for percent solids in accordance with EPA SW846 3550C. The samples were analyzed on 04/28/2014.

No difficulties were encountered during the % solids analysis.

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: AOI72BT0106AA

Lab Sample ID: 280-54473-1
Client Matrix: Solid

% Moisture: 19.1

Date Sampled: 04/16/2014 0945
Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1382.D
Dilution:	1.0			Initial Weight/Volume:	4.694 g
Analysis Date:	04/21/2014 1947			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane		1.3	U	0.74	6.6
1,1,1-Trichloroethane		1.3	U	0.68	6.6
1,1,2,2-Tetrachloroethane		1.3	U	0.80	6.6
1,1,2-Trichloro-1,2,2-trifluoroethane		26	U	0.59	26
1,1,2-Trichloroethane		1.3	U	1.2	6.6
1,1-Dichloroethane		1.1	U	0.28	6.6
1,1-Dichloroethene		1.3	U	0.78	6.6
1,1-Dichloropropene		1.3	U	0.71	6.6
1,2,3-Trichlorobenzene		1.3	U	0.99	6.6
1,2,3-Trichloropropane		1.3	U	1.1	6.6
1,2,4-Trichlorobenzene		1.3	U	0.96	6.6
1,2,4-Trimethylbenzene		1.3	U	0.76	6.6
1,2-Dibromo-3-Chloropropane		1.3	U	0.79	13
1,2-Dichlorobenzene		1.3	U	0.59	6.6
1,2-Dichloroethane		1.3	U	0.92	6.6
1,2-Dichloropropane		1.3	U	0.72	6.6
1,3,5-Trimethylbenzene		1.3	U	0.75	6.6
1,3-Dichlorobenzene		1.3	U	0.63	6.6
1,3-Dichloropropane		1.3	U	0.67	6.6
1,4-Dichlorobenzene		1.3	U	1.0	6.6
1,4-Dioxane		110	U	74	660
1-Chlorohexane		1.1	U	0.83	6.6
2,2-Dichloropropane		1.3	U	0.58	6.6
2-Butanone (MEK)		8.4	U	2.4	26
2-Chlorotoluene		1.3	U	0.67	6.6
2-Hexanone		13	U	6.4	26
4-Chlorotoluene		1.3	U	1.0	6.6
4-Isopropyltoluene		1.3	U	0.64	6.6
4-Methyl-2-pentanone (MIBK)		13	U	5.7	26
Acetone		10	J	7.1	26
Benzene		1.3	U	0.62	6.6
Bromobenzene		1.3	U	0.64	6.6
Bromoform		1.1	U	0.30	6.6
Bromomethane		1.3	U	0.66	13
Carbon disulfide		1.3	U	0.55	6.6
Carbon tetrachloride		1.3	U	0.83	6.6
Chlorobenzene		1.3	U	0.71	6.6
Chlorobromomethane		1.3	U	0.39	6.6
Chlorodibromomethane		1.3	U	0.75	6.6
Chloroethane		1.3	U	1.2	13
Chloroform		1.3	U	0.38	13
Chloromethane		1.3	U	1.0	13
cis-1,2-Dichloroethene		1.3	U	0.74	6.6
cis-1,3-Dichloropropene		2.6	U	1.7	6.6
Cyclohexane		2.1	U	0.53	6.6
Dibromomethane		1.3	U	1.1	6.6

ACT 6/23/14

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: AOI72BT0106AA

Lab Sample ID: 280-54473-1
Client Matrix: Solid

% Moisture: 19.1

Date Sampled: 04/16/2014 0945
Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1382.D
Dilution:	1.0			Initial Weight/Volume:	4.694 g
Analysis Date:	04/21/2014 1947			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Dichlorobromomethane		1.1	U	0.29	6.6
Dichlorodifluoromethane		1.3	U	0.68	13
Ethylbenzene		1.3	U	0.88	6.6
Ethylene Dibromide		1.3	U	0.68	6.6
Hexachlorobutadiene		1.3	U	0.72	6.6
Isopropylbenzene		1.3	U	0.78	6.6
Methyl acetate		5.3	U	3.6	11
Methyl tert-butyl ether		1.3	U	0.45	26
Methylcyclohexane		1.1	U	0.55	6.6
Methylene Chloride		4.2	U	2.1	6.6
m-Xylene & p-Xylene		2.6	U	1.4	4.2
Naphthalene		1.3	U	0.83	6.6
n-Butylbenzene		1.3	U	0.74	6.6
N-Propylbenzene		1.3	U	0.76	6.6
o-Xylene		1.3	U	0.80	6.6
sec-Butylbenzene		1.3	U	1.0	6.6
Styrene		1.3	U	0.83	6.6
tert-Butylbenzene		1.3	U	0.66	6.6
Tetrachloroethene		1.3	U	0.78	6.6
Toluene		1.3	U	0.91	6.6
trans-1,2-Dichloroethene		1.3	U	0.51	6.6
trans-1,3-Dichloropropene		1.3	U	0.88	6.6
Trichloroethene		1.1	U	0.30	6.6
Trichlorofluoromethane		2.6	U	1.4	13
Vinyl chloride		2.6	U	1.8	6.6

CVA 6/23/14

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	86		61 - 129
4-Bromofluorobenzene (Surr)	99		85 - 120
Dibromofluoromethane (Surr)	94		71 - 126
Toluene-d8 (Surr)	101		85 - 115

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: **AOI72BT0206AA**

Lab Sample ID: 280-54473-2
Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 04/16/2014 0810
Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1385.D
Dilution:	1.0			Initial Weight/Volume:	5.256 g
Analysis Date:	04/21/2014 2050			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte (DryWt Corrected: Y)	Result (ug/Kg)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	1.2	U	0.66	5.9
1,1,1-Trichloroethane	1.2	U	0.61	5.9
1,1,2,2-Tetrachloroethane	1.2	U	0.72	5.9
1,1,2-Trichloro-1,2,2-trifluoroethane	23	U	0.53	23
1,1,2-Trichloroethane	1.2	U	1.0	5.9
1,1-Dichloroethane	0.94	U	0.25	5.9
1,1-Dichloroethene	1.2	U	0.69	5.9
1,1-Dichloropropene	1.2	U	0.63	5.9
1,2,3-Trichlorobenzene	1.2	U	0.88	5.9
1,2,3-Trichloropropane	1.2	U	0.95	5.9
1,2,4-Trichlorobenzene	1.2	U	0.86	5.9
1,2,4-Trimethylbenzene	1.2	U	0.68	5.9
1,2-Dibromo-3-Chloropropane	1.2	U	0.70	12
1,2-Dichlorobenzene	1.2	U	0.53	5.9
1,2-Dichloroethane	1.2	U	0.82	5.9
1,2-Dichloropropane	1.2	U	0.65	5.9
1,3,5-Trimethylbenzene	1.2	U	0.67	5.9
1,3-Dichlorobenzene	1.2	U	0.56	5.9
1,3-Dichloropropane	1.2	U	0.60	5.9
1,4-Dichlorobenzene	1.2	U	0.92	5.9
1,4-Dioxane	94	U	66	590
1-Chlorohexane	0.94	U	0.74	5.9
2,2-Dichloropropane	1.2	U	0.52	5.9
2-Butanone (MEK)	7.5	U	2.1	23
2-Chlorotoluene	1.2	U	0.60	5.9
2-Hexanone	12	U	5.7	23
4-Chlorotoluene	1.2	U	0.92	5.9
4-Isopropyltoluene	1.2	U	0.57	5.9
4-Methyl-2-pentanone (MIBK)	12	U	5.1	23
Acetone	12	U	6.3	23
Benzene	1.2	U	0.55	5.9
Bromobenzene	1.2	U	0.57	5.9
Bromoform	0.94	U	0.27	5.9
Bromomethane	1.2	U	0.59	12
Carbon disulfide	1.2	U	0.49	5.9
Carbon tetrachloride	1.2	U	0.74	5.9
Chlorobenzene	1.2	U	0.63	5.9
Chlorobromomethane	1.2	U	0.35	5.9
Chlorodibromomethane	1.2	U	0.67	5.9
Chloroethane	1.2	U	1.0	12
Chloroform	1.2	U	0.34	12
Chloromethane	1.2	U	0.90	12
cis-1,2-Dichloroethene	1.2	U	0.66	5.9
cis-1,3-Dichloropropene	2.3	U	1.5	5.9
Cyclohexane	1.9	U	0.47	5.9
Dibromomethane	1.2	U	0.99	5.9

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: AOI72BT0206AA

Lab Sample ID: 280-54473-2
Client Matrix: Solid

% Moisture: 18.9

Date Sampled: 04/16/2014 0810
Date Received: 04/18/2014 1000

8260B/DoD Volatile Organic Compounds (GC/MS)

Analysis Method:	8260B/DoD	Analysis Batch:	280-222203	Instrument ID:	VMS_J
Prep Method:	5030B	Prep Batch:	280-222190	Lab File ID:	J1385.D
Dilution:	1.0			Initial Weight/Volume:	5.256 g
Analysis Date:	04/21/2014 2050			Final Weight/Volume:	5 mL
Prep Date:	04/21/2014 1600				

Analyte	DryWt Corrected: Y	Result (ug/Kg)	Qualifier	DL	LOQ
Dichlorobromomethane		0.94	U	0.26	5.9
Dichlorodifluoromethane		1.2	U	0.61	12
Ethylbenzene		1.2	U	0.79	5.9
Ethylene Dibromide		1.2	U	0.61	5.9
Hexachlorobutadiene		1.2	U	0.65	5.9
Isopropylbenzene		1.2	U	0.69	5.9
Methyl acetate		4.7	U	3.2	10
Methyl tert-butyl ether		1.2	U	0.40	23
Methylcyclohexane		0.94	U	0.49	5.9
Methylene Chloride		3.8	U	1.9	5.9
m-Xylene & p-Xylene		2.3	U	1.2	3.8
Naphthalene		1.2	U	0.74	5.9
n-Butylbenzene		1.2	U	0.66	5.9
N-Propylbenzene		1.2	U	0.68	5.9
o-Xylene		1.2	U	0.72	5.9
sec-Butylbenzene		1.2	U	0.90	5.9
Styrene		1.2	U	0.74	5.9
tert-Butylbenzene		1.2	U	0.59	5.9
Tetrachloroethene		1.2	U	0.69	5.9
Toluene		1.2	U	0.81	5.9
trans-1,2-Dichloroethene		1.2	U	0.46	5.9
trans-1,3-Dichloropropene		1.2	U	0.79	5.9
Trichloroethene		0.94	U	0.27	5.9
Trichlorofluoromethane		2.3	U	1.2	12
Vinyl chloride		2.3	U	1.6	5.9

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	89		61 - 129
4-Bromofluorobenzene (Surr)	102		85 - 120
Dibromofluoromethane (Surr)	96		71 - 126
Toluene-d8 (Surr)	106		85 - 115

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: 041614AE

Lab Sample ID: 280-54473-3
Client Matrix: Water

Date Sampled: 04/16/2014 0655
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0025.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2109			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2109				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.40	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.40	U	0.16	1.0
1,1-Dichloroethene	0.40	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.40	U	0.13	1.0
1,2-Dichloropropane	0.40	U	0.13	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.40	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U ⌀	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U ⌀	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.40	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

ems 6/23/14

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: 041614AE

Lab Sample ID: 280-54473-3
Client Matrix: Water

Date Sampled: 04/16/2014 0655
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0025.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2109			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2109				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.40	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.80	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.40	U	0.10	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		70 - 120
4-Bromofluorobenzene (Surr)	94		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115
Toluene-d8 (Surr)	92		85 - 120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: **041614AF**

Lab Sample ID: 280-54473-4
Client Matrix: Water

Date Sampled: 04/16/2014 0950
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0026.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2129			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2129				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.40	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.40	U	0.16	1.0
1,1-Dichloroethene	0.40	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.40	U	0.13	1.0
1,2-Dichloropropane	0.40	U	0.13	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.40	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.40	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

cwt 6/23/14

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: 041614AF

Lab Sample ID: 280-54473-4
Client Matrix: Water

Date Sampled: 04/16/2014 0950
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0026.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2129			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2129				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.40	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.80	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.40	U	0.10	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105		70 - 120
4-Bromofluorobenzene (Surr)	106		75 - 120
Dibromofluoromethane (Surr)	100		85 - 115
Toluene-d8 (Surr)	102		85 - 120

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: 041614AR

Lab Sample ID: 280-54473-5
Client Matrix: Water

Date Sampled: 04/16/2014 0645
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0027.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2149			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2149				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
1,1,1,2-Tetrachloroethane	0.40	U	0.17	1.0
1,1,1-Trichloroethane	0.20	U	0.16	1.0
1,1,2,2-Tetrachloroethane	0.40	U	0.20	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	2.8	U	0.79	3.0
1,1,2-Trichloroethane	0.40	U	0.32	1.0
1,1-Dichloroethane	0.40	U	0.16	1.0
1,1-Dichloroethene	0.40	U	0.14	1.0
1,1-Dichloropropene	0.40	U	0.15	1.0
1,2,3-Trichlorobenzene	0.40	U	0.18	1.0
1,2,3-Trichloropropane	0.80	U	0.77	3.0
1,2,4-Trichlorobenzene	0.80	U	0.32	1.0
1,2,4-Trimethylbenzene	0.20	U	0.14	1.0
1,2-Dibromo-3-Chloropropane	1.6	U	0.81	5.0
1,2-Dichlorobenzene	0.20	U	0.13	1.0
1,2-Dichloroethane	0.40	U	0.13	1.0
1,2-Dichloropropane	0.40	U	0.13	1.0
1,3,5-Trimethylbenzene	0.40	U	0.14	1.0
1,3-Dichlorobenzene	0.20	U	0.16	1.0
1,3-Dichloropropane	0.40	U	0.15	1.0
1,4-Dichlorobenzene	0.40	U	0.16	1.0
1,4-Dioxane	80	U	71	220
1-Chlorohexane	0.20	U	0.17	1.0
2,2-Dichloropropane	0.40	U	0.20	1.0
2-Butanone (MEK)	3.2	U	1.8	6.0
2-Chlorotoluene	0.40	U	0.17	1.0
2-Hexanone	3.2	U	1.4	5.0
4-Chlorotoluene	0.40	U	0.17	1.0
4-Isopropyltoluene	0.40	U	0.17	1.0
4-Methyl-2-pentanone (MIBK)	3.2	U	1.0	5.0
Acetone	6.4	U	1.9	10
Benzene	0.20	U	0.16	1.0
Bromobenzene	0.20	U	0.17	1.0
Bromoform	0.40	U	0.19	1.0
Bromomethane	0.40	U	0.21	2.0
Carbon disulfide	0.80	U	0.45	2.0
Carbon tetrachloride	0.40	U	0.19	2.0
Chlorobenzene	0.20	U	0.17	1.0
Chlorobromomethane	0.40	U	0.10	1.0
Chlorodibromomethane	0.40	U	0.17	1.0
Chloroethane	1.6	U	0.41	2.0
Chloroform	0.20	U	0.16	1.0
Chloromethane	0.80	U	0.30	2.0
cis-1,2-Dichloroethene	0.20	U	0.15	1.0
cis-1,3-Dichloropropene	0.20	U	0.16	1.0
Cyclohexane	0.40	U	0.28	2.0
Dibromomethane	0.40	U	0.17	1.0

CMT 6/23/14

Client: FPM Remediations Inc

Job Number: 280-54473-1

Client Sample ID: 041614AR

Lab Sample ID: 280-54473-5
Client Matrix: Water

Date Sampled: 04/16/2014 0645
Date Received: 04/18/2014 1000

8260C Volatile Organic Compounds (GC/MS)

Analysis Method:	8260C	Analysis Batch:	280-222940	Instrument ID:	VMS_G2
Prep Method:	5030B	Prep Batch:	N/A	Lab File ID:	G2_0027.D
Dilution:	1.0			Initial Weight/Volume:	20 mL
Analysis Date:	04/25/2014 2149			Final Weight/Volume:	20 mL
Prep Date:	04/25/2014 2149				

Analyte	Result (ug/L)	Qualifier	DL	LOQ
Dichlorobromomethane	0.20	U	0.17	1.0
Dichlorodifluoromethane	0.80	U	0.31	2.0
Ethylbenzene	0.20	U	0.16	1.0
Ethylene Dibromide	0.40	U	0.18	1.0
Hexachlorobutadiene	0.40	U	0.36	1.0
Isopropylbenzene	0.40	U	0.19	1.0
Methyl acetate	2.0	U	1.6	5.0
Methyl tert-butyl ether	0.40	U	0.25	5.0
Methylcyclohexane	0.40	U	0.36	2.0
Methylene Chloride	0.80	U	0.32	5.0
m-Xylene & p-Xylene	0.80	U	0.34	2.0
Naphthalene	0.80	U	0.22	1.0
n-Butylbenzene	0.40	U	0.32	1.0
N-Propylbenzene	0.20	U	0.16	1.0
o-Xylene	0.40	U	0.19	1.0
sec-Butylbenzene	0.40	U	0.17	1.0
Styrene	0.40	U	0.17	1.0
tert-Butylbenzene	0.40	U	0.16	1.0
Tetrachloroethene	0.40	U	0.20	1.0
Toluene	0.40	U	0.17	1.0
trans-1,2-Dichloroethene	0.20	U	0.15	1.0
trans-1,3-Dichloropropene	0.40	U	0.19	1.0
Trichloroethene	0.20	U	0.16	1.0
Trichlorofluoromethane	0.80	U	0.29	2.0
Vinyl chloride	0.40	U	0.10	1.5

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94		70 - 120
4-Bromofluorobenzene (Surr)	92		75 - 120
Dibromofluoromethane (Surr)	90		85 - 115
Toluene-d8 (Surr)	90		85 - 120

General Chemistry

Client Sample ID: **AOI72BT0106AA**

Lab Sample ID: 280-54473-1
Client Matrix: Solid

Date Sampled: 04/16/2014 0945
Date Received: 04/18/2014 1000

Analyte	Result	Qual	Units	DL	LOQ	Dil	Method
Percent Moisture	19		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-223219	Analysis Date: 04/28/2014 1327						DryWt Corrected: N
Percent Solids	81		%	0.10	0.10	1.0	Moisture
Analysis Batch: 280-223219	Analysis Date: 04/28/2014 1327						DryWt Corrected: N